APPENDIX A

Urban Water Management Planning Act

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Chapter 1. General Declaration and Policy

SECTION 10610-10610.4

10610. This part shall be known and may be cited as the "Urban Water Management Planning Act."

10610.2. (a) The Legislature finds and declares all of the following:

(1) The waters of the state are a limited and renewable resource subject to ever-increasing demands.

(2) The conservation and efficient use of urban water supplies are of statewide concern; however, the planning for that use and the implementation of those plans can best be accomplished at the local level.

(3) A long-term, reliable supply of water is essential to protect the productivity of California's businesses and economic climate.

(4) As part of its long-range planning activities, every urban water supplier should make every effort to ensure the appropriate level of reliability in its water service sufficient to meet the needs of its various categories of customers during normal, dry, and multiple dry water years.

(5) Public health issues have been raised over a number of contaminants that have been identified in certain local and imported water supplies.

(6) Implementing effective water management strategies, including groundwater storage projects and recycled water projects, may require specific water quality and salinity targets for meeting groundwater basins water quality objectives and promoting beneficial use of recycled water.

(7) Water quality regulations are becoming an increasingly important factor in water agencies' selection of raw water sources, treatment alternatives, and modifications to existing treatment facilities.

(8) Changes in drinking water quality standards may also impact the usefulness of water supplies and may ultimately impact supply reliability.

(9) The quality of source supplies can have a significant impact on water management strategies and supply reliability.

(b) This part is intended to provide assistance to water agencies in carrying out their long-term resource planning responsibilities to ensure adequate water supplies to meet existing and future demands for water.

10610.4. The Legislature finds and declares that it is the policy of the state as follows:

(a) The management of urban water demands and efficient use of water shall be actively pursued to protect both the people of the state and their water resources.

(b) The management of urban water demands and efficient use of urban water supplies shall be a guiding criterion in public decisions.

(c) Urban water suppliers shall be required to develop water management plans to actively pursue the efficient use of available supplies.

Chapter 2. Definitions

SECTION 10611-10617

10611. Unless the context otherwise requires, the definitions of this chapter govern the construction of this part.

10611.5. “Demand management" means those water conservation measures, programs, and incentives that prevent the waste of water and promote the reasonable and efficient use and reuse of available supplies.

10612. "Customer" means a purchaser of water from a water supplier who uses the water for municipal purposes, including residential, commercial, governmental, and industrial uses.

10613. "Efficient use" means those management measures that result in the most effective use of water so as to prevent its waste or unreasonable use or unreasonable method of use.

10614. "Person" means any individual, firm, association, organization, partnership, business, trust, corporation, company, public agency, or any agency of such an entity.

10615. "Plan" means an urban water management plan prepared pursuant to this part. A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses,

reclamation and demand management activities. The components of the plan may vary according to an individual community or area's characteristics and its capabilities to efficiently use and conserve water. The plan shall address measures for residential, commercial, governmental, and industrial water demand management as set forth in Article 2 (commencing with Section 10630) of Chapter 3. In addition, a strategy and time schedule for implementation shall be included in the plan.

10616. "Public agency" means any board, commission, county, city and county, city, regional agency, district, or other public entity.

10616.5. "Recycled water" means the reclamation and reuse of wastewater for beneficial use.

10617. "Urban water supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers. This part applies only to water supplied from public water systems subject to Chapter 4 (commencing with Section 116275) of Part 12 of Division 104 of the Health and Safety Code.

Chapter 3. Urban Water Management Plans

Article 1. General Provisions

SECTION 10620-10621

10620. (a) Every urban water supplier shall prepare and adopt an urban water management plan in the manner set forth in Article 3 (commencing with Section 10640).

(b) Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.

(c) An urban water supplier indirectly providing water shall not include planning elements in its water management plan as provided in Article 2 (commencing with Section 10630) that would be applicable to urban water suppliers or public agencies directly providing water, or to their customers, without the consent of those suppliers or public agencies.

(d) (1) An urban water supplier may satisfy the requirements of this part by participation in areawide, regional, watershed, or basinwide urban water management planning where those plans will reduce preparation costs and contribute to the achievement of conservation and efficient water use.

(2) Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that

share a common source, water management agencies, and relevant public agencies, to the extent practicable.

(e) The urban water supplier may prepare the plan with its own staff, by contract, or in cooperation with other governmental agencies.

(f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.

10621. (a) Each urban water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero, except as provided in subdivision (d).

(b) Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days before the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.

(c) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640).

(d) Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.

Article 2. Contents of Plan

SECTION 10630-10634

10630. It is the intention of the Legislature, in enacting this part, to permit levels of water management planning commensurate with the numbers of customers served and the volume of water supplied.

10631. A plan shall be adopted in accordance with this chapter that shall do all of the following:

(a) Describe the service area of the supplier, including current and projected population, climate, and other demographic factors affecting the supplier's water management planning. The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available.

(b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a). If groundwater is identified as an existing or planned source of

water available to the supplier, all of the following information shall be included in the plan:

(1) A copy of any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management.

(2) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater. For basins that a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. For basins that have not been adjudicated, information as to whether the department has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to eliminate the long-term overdraft condition.

(3) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.

(4) A detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.

(c) (1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following:

(A) An average water year.

(B) A single-dry water year.

(C) Multiple-dry water years.

(2) For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.

(d) Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.

(e) (1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, identifying the uses among water use sectors, including, but not necessarily limited to, all of the following uses:

(A) Single-family residential.

(B) Multifamily.

(C) Commercial.

(D) Industrial.

(E) Institutional and governmental.

(F) Landscape.

(G) Sales to other agencies.

(H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof.

(I) Agricultural.

(J) Distribution system water loss.

(2) The water use projections shall be in the same five-year increments described in subdivision (a).

(3) (A) For the 2015 urban water management plan update, the distribution system water loss shall be quantified for the most recent 12-month period available. For all subsequent updates, the distribution system water loss shall be quantified for each of the five years preceding the plan update.

(B) The distribution system water loss quantification shall be reported in accordance with a worksheet approved or developed by the department through a public process. The water loss quantification worksheet shall be based on the water system balance methodology developed by the American Water Works Association.

(4) (A) If available and applicable to an urban water supplier, water use projections may display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans identified by the urban water supplier, as applicable to the service area.

(B) To the extent that an urban water supplier reports the information described in subparagraph (A), an urban water supplier shall do both of the following:

(i) Provide citations of the various codes, standards, ordinances, or transportation and land use plans utilized in making the projections.

(ii) Indicate the extent that the water use projections consider savings from codes, standards, ordinances, or transportation and land use plans. Water use projections that do not account for these water savings shall be noted of that fact.

(f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:

(1) (A) For an urban retail water supplier, as defined in Section 10608.12, a narrative description that addresses the nature and extent of each water demand management measure implemented over the past five years. The narrative shall describe the water demand management measures that the supplier plans to implement to achieve its water use targets pursuant to Section 10608.20.

(B) The narrative pursuant to this paragraph shall include descriptions of the following water demand management measures:

(i) Water waste prevention ordinances.

(ii) Metering.

(iii) Conservation pricing.

(iv) Public education and outreach.

(v) Programs to assess and manage distribution system real loss.

(vi) Water conservation program coordination and staffing support.

(vii) Other demand management measures that have a significant impact on water use as measured in gallons per capita per day, including innovative measures, if implemented.

(2) For an urban wholesale water supplier, as defined in Section 10608.12, a narrative description of the items in clauses (ii), (iv), (vi), and (vii) of subparagraph (B) of paragraph (1), and a narrative description of its distribution system asset management and wholesale supplier assistance programs.

(g) Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water

use, as established pursuant to subdivision (a) of Section 10635. The urban water supplier shall include a detailed description of expected future projects and programs that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in average, single-dry, and multiple-dry water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each project. The description shall include an estimate with regard to the implementation timeline for each project or program.

(h) Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.

(i) For purposes of this part, urban water suppliers that are members of the California Urban Water Conservation Council shall be deemed in compliance with the requirements of subdivision (f) by complying with all the provisions of the "Memorandum of Understanding Regarding Urban Water Conservation in California," dated December 10, 2008, as it may be amended, and by submitting the annual reports required by Section 6.2 of that memorandum.

(j) An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (c). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (c).

10631.1. (a) The water use projections required by Section 10631 shall include projected water use for single-family and multifamily residential housing needed for lower income households, as defined in Section 50079.5 of the Health and Safety Code, as identified in the housing element of any city, county, or city and county in the service area of the supplier.

(b) It is the intent of the Legislature that the identification of projected water use for single-family and multifamily residential housing for lower income households will assist a supplier in complying with the requirement under Section 65589.7 of the Government Code to grant a priority for the provision of service to housing units affordable to lower income households.

10631.2. (a) In addition to the requirements of Section 10631, an urban water management plan may, but is not required to, include any of the following information:

(1) An estimate of the amount of energy used to extract or divert water supplies.

(2) An estimate of the amount of energy used to convey water supplies to the water treatment plants or distribution systems.

(3) An estimate of the amount of energy used to treat water supplies.

(4) An estimate of the amount of energy used to distribute water supplies through its distribution systems.

(5) An estimate of the amount of energy used for treated water supplies in comparison to the amount used for nontreated water supplies.

(6) An estimate of the amount of energy used to place water into or withdraw from storage.

(7) Any other energy-related information the urban water supplier deems appropriate.

(b) The department shall include in its guidance for the preparation of urban water management plans a methodology for the voluntary calculation or estimation of the energy intensity of urban water systems. The department may consider studies and calculations conducted by the Public Utilities Commission in developing the methodology.

10631.5. (a) (1) Beginning January 1, 2009, the terms of, and eligibility for, a water management grant or loan made to an urban water supplier and awarded or administered by the department, state board, or California Bay-Delta Authority or its successor agency shall be conditioned on the implementation of the water demand management measures described in Section 10631, as determined by the department pursuant to subdivision (b).

(2) For the purposes of this section, water management grants and loans include funding for programs and projects for surface water or groundwater storage, recycling, desalination, water conservation, water supply reliability, and water supply augmentation. This section does not apply to water management projects funded by the federal American Recovery and Reinvestment Act of 2009 (Public Law 111-5).

(3) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if the urban water supplier has

submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for implementation of the water demand management measures. The supplier may request grant or loan funds to implement the water demand management measures to the extent the request is consistent with the eligibility requirements applicable to the water management funds.

(4) (A) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if an urban water supplier submits to the department for approval documentation demonstrating that a water demand management measure is not locally cost effective. If the department determines that the documentation submitted by the urban water supplier fails to demonstrate that a water demand management measure is not locally cost effective, the department shall notify the urban water supplier and the agency administering the grant or loan program within 120 days that the documentation does not satisfy the requirements for an exemption, and include in that notification a detailed statement to support the determination.

(B) For purposes of this paragraph, "not locally cost effective" means that the present value of the local benefits of implementing a water demand management measure is less than the present value of the local costs of implementing that measure.

(b) (1) The department, in consultation with the state board and the California Bay-Delta Authority or its successor agency, and after soliciting public comment regarding eligibility requirements, shall develop eligibility requirements to implement the requirement of paragraph (1) of subdivision (a). In establishing these eligibility requirements, the department shall do both of the following:

(A) Consider the conservation measures described in the Memorandum of Understanding Regarding Urban Water Conservation in California, and alternative conservation approaches that provide equal or greater water savings.

(B) Recognize the different legal, technical, fiscal, and practical roles and responsibilities of wholesale water suppliers and retail water suppliers.

(2) (A) For the purposes of this section, the department shall determine whether an urban water supplier is implementing all of the water demand management measures described in Section 10631 based on either, or a combination, of the following:

(i) Compliance on an individual basis.

(ii) Compliance on a regional basis. Regional compliance shall require participation in a regional conservation program consisting of two or more urban water suppliers that achieves the level of conservation or water efficiency savings equivalent to the amount of conservation or savings achieved if each of the participating urban water suppliers implemented the water demand management measures. The urban water supplier administering the regional program shall provide participating urban water suppliers and the department with data to demonstrate that the regional program is consistent with this clause. The department shall review the data to determine whether the urban water suppliers in the regional program are meeting the eligibility requirements.

(B) The department may require additional information for any determination pursuant to this section.

(3) The department shall not deny eligibility to an urban water supplier in compliance with the requirements of this section that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the water demand management measures described in Section 10631.

(c) In establishing guidelines pursuant to the specific funding authorization for any water management grant or loan program subject to this section, the agency administering the grant or loan program shall include in the guidelines the eligibility requirements developed by the department pursuant to subdivision (b).

(d) Upon receipt of a water management grant or loan application by an agency administering a grant and loan program subject to this section, the agency shall request an eligibility determination from the department with respect to the requirements of this section. The department shall respond to the request within 60 days of the request.

(e) The urban water supplier may submit to the department copies of its annual reports and other relevant documents to assist the department in determining whether the urban water supplier is implementing or scheduling the implementation of water demand management activities. In addition, for urban water suppliers that are signatories to the Memorandum of Understanding Regarding Urban Water Conservation in California and submit biennial reports to the California Urban Water Conservation Council in accordance with the memorandum, the department may use these reports to assist in tracking the implementation of water demand management measures.

(f) This section shall remain in effect only until July 1, 2016, and as of that date is repealed, unless a later enacted statute, that is enacted before July 1, 2016, deletes or extends that date.

10631.7. The department, in consultation with the California Urban Water Conservation Council, shall convene an independent technical panel to provide information and recommendations to the department and the Legislature on new demand management measures, technologies, and approaches. The panel shall consist of no more than seven members, who shall be selected by the department to reflect a balanced representation of experts. The panel shall have at least one, but no more than two, representatives from each of the following: retail water suppliers, environmental organizations, the business community, wholesale water suppliers, and academia. The panel shall be convened by January 1, 2009, and shall report to the Legislature no later than January 1, 2010, and every five years thereafter. The department shall review the panel report and include in the final report to the Legislature the department's recommendations and comments regarding the panel process and the panel's recommendations.

10632. (a) The plan shall provide an urban water shortage contingency analysis that includes each of the following elements that are within the authority of the urban water supplier:

(1) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions that are applicable to each stage.

(2) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.

(3) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.

(4) Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.

(5) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are

appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.

(6) Penalties or charges for excessive use, where applicable.

(7) An analysis of the impacts of each of the actions and conditions described in paragraphs (1) to (6), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.

(8) A draft water shortage contingency resolution or ordinance.

(9) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.

(b) Commencing with the urban water management plan update due July 1, 2016, for purposes of developing the water shortage contingency analysis pursuant to subdivision (a), the urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas, as defined in subdivision (a) of Section 115921 of the Health and Safety Code.

10633. The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:

(a) A description of the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.

(b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.

(c) A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.

(d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.

(e) The projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected pursuant to this subdivision.

(f) A description of actions, including financial incentives, which may be taken to encourage the use of recycled water, and the projected results of these actions in terms of acre-feet of recycled water used per year.

(g) A plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.

10634. The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.

Article 2.5. Water Service Reliability

SECTION 10635

10635. (a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

(b) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.

(c) Nothing in this article is intended to create a right or entitlement to water service or any specific level of water service.

(d) Nothing in this article is intended to change existing law concerning an urban water supplier's obligation to provide water service to its existing customers or to any potential future customers.

Article 3. Adoption and Implementation of Plans

SECTION 10640-10645

10640. Every urban water supplier required to prepare a plan pursuant to this part shall prepare its plan pursuant to Article 2 (commencing with Section 10630). The supplier shall likewise periodically review the plan as required by Section 10621, and any amendments or changes required as a result of that review shall be adopted pursuant to this article.

10641. An urban water supplier required to prepare a plan may consult with, and obtain comments from, any public agency or state agency or any person who has special expertise with respect to water demand management methods and techniques.

10642. Each urban water supplier shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan. Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon. Prior to the hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code. The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area.

After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

10643. An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.

10644. (a) (1) An urban water supplier shall submit to the department, the California State Library, and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. Copies of amendments or changes to the plans shall be submitted to the department, the California State Library, and any city or county within which the supplier provides water supplies within 30 days after adoption.

(2) The plan, or amendments to the plan, submitted to the department pursuant to paragraph (1) shall be submitted electronically and shall include any standardized forms, tables, or displays specified by the department.

(b) (1) Notwithstanding Section 10231.5 of the Government Code, the department shall prepare and submit to the Legislature, on or before December 31, in the years ending in six and one, a report summarizing the status of the plans adopted pursuant to this part.

The report prepared by the department shall identify the exemplary elements of the individual plans. The department shall provide a copy of the report to each urban water supplier that has submitted its plan to the department. The department shall also prepare reports and provide data for any legislative hearings designed to consider the effectiveness of plans submitted pursuant to this part.

(2) A report to be submitted pursuant to paragraph (1) shall be submitted in compliance with Section 9795 of the Government Code.

(c) (1) For the purpose of identifying the exemplary elements of the individual plans, the department shall identify in the report water demand management measures adopted and implemented by specific urban water suppliers, and identified pursuant to Section 10631, that achieve water savings significantly above the levels established by the department to meet the requirements of Section 10631.5.

(2) The department shall distribute to the panel convened pursuant to Section 10631.7 the results achieved by the implementation of those water demand management measures described in paragraph (1).

(3) The department shall make available to the public the standard the department will use to identify exemplary water demand management measures.

10645. Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

Chapter 4. Miscellaneous Provisions

SECTION 10650-10656

10650. Any actions or proceedings to attack, review, set aside, void, or annul the acts or decisions of an urban water supplier on the grounds of noncompliance with this part shall be commenced as follows:

(a) An action or proceeding alleging failure to adopt a plan shall be commenced within 18 months after that adoption is required by this part.

(b) Any action or proceeding alleging that a plan, or action taken pursuant to the plan, does not comply with this part shall be commenced within 90 days after filing of the plan or amendment thereto pursuant to Section 10644 or the taking of that action.

10651. In any action or proceeding to attack, review, set aside, void, or annul a plan, or an action taken pursuant to the plan by an urban water supplier on the grounds of noncompliance with this part, the inquiry shall extend only to whether there was a prejudicial abuse of discretion. Abuse of discretion is established if the supplier has not proceeded in a manner required by law or if the action by the water supplier is not supported by substantial evidence.

10652. The California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) does not apply to the preparation and adoption of plans pursuant to this part or to the implementation of actions taken pursuant to Section 10632. Nothing in this part shall be interpreted as exempting from the California Environmental Quality Act any project that would significantly affect water supplies for fish and wildlife, or any project for implementation of the plan, other than projects implementing Section 10632, or any project for expanded or additional water supplies.

10653. The adoption of a plan shall satisfy any requirements of state law, regulation, or order, including those of the State Water Resources Control Board and the Public Utilities Commission, for the preparation of water management plans or conservation plans; provided, that if the State Water Resources Control Board or the Public Utilities Commission requires additional information concerning water conservation to implement its existing authority, nothing in this part shall be deemed to limit the board or the commission in obtaining that information. The requirements of this part shall be satisfied by any urban water demand management plan prepared to meet federal laws or regulations after the effective date of this part, and which substantially meets the requirements of this part, or by any existing urban water management plan which includes the contents of a plan required under this part.

10654. An urban water supplier may recover in its rates the costs incurred in preparing its plan and implementing the reasonable water conservation measures included in the plan. Any best water management practice that is included in the plan that is identified in the "Memorandum of Understanding Regarding Urban Water Conservation in California" is deemed to be reasonable for the purposes of this section.

10655. If any provision of this part or the application thereof to any person or circumstances is held invalid, that invalidity shall not affect other provisions or applications of this part which can be given effect without the invalid provision or application thereof, and to this end the provisions of this part are severable.

10656. An urban water supplier that does not prepare, adopt, and submit its urban water management plan to the department in accordance with this part, is ineligible to receive funding pursuant to Division 24 (commencing with Section 78500) or Division 26

(commencing with Section 79000), or receive drought assistance from the state until the urban water management plan is submitted pursuant to this article.

APPENDIX B

Notification of Preparation of Urban Water Management Plan

City of Whittier
13230 Penn Street, Whittier, California 90602-1772
(562) 567-9500

MEMORANDUM

TO: **County of Los Angeles**
Attn: Registrar – Recorder / County Clerk

FROM: **City of Whittier Water Utility Authority**

SUBJECT: **2015 Urban Water Management Plan Update**

DATE: **January 28, 2016**

The Urban Water Management Planning Act requires every "urban water supplier[1]" to prepare and adopt an Urban Water Management Plan (UWMP) and periodically update that plan at least once every five years on or before December 31, in years ending in five and zero. Pursuant to Section 10621(d) of the UWMP Act, each urban water supplier shall update and submit its 2015 UWMP by July 1, 2016 to the California Department of Water Resources. The UWMP is a planning document and a source document to direct urban water suppliers to evaluate and compare their water supply and reliability to their existing water conservation efforts. City of Whittier Water Utility Authority is currently in the process of preparing the 2015 UWMP Update.

As an urban water supplier, City of Whittier Water Utility Authority is required pursuant to Section 10620(d)(2) of the UWMP Act to coordinate with water management agencies, relevant public agencies and other water suppliers on the preparation of the UWMP. City of Whittier Water Utility Authority will be reviewing the UWMP and will make amendments and changes, as appropriate. City of Whittier Water Utility Authority invites you to submit comments in anticipation of the development of our 2015 UWMP Update.

Please provide written comments within the next 30 days to the City of Whittier Water Utility Authority.

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[1]Section 10617 of the Urban Water Management Planning Act states, ""*Urban Water Supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually.*

City of Whittier
13230 Penn Street, Whittier, California 90602-1772
(562) 567-9500

MEMORANDUM

TO: **Main San Gabriel Basin Watermaster**

FROM: **City of Whittier Water Utility Authority**

SUBJECT: **2015 Urban Water Management Plan Update**

DATE: **January 28, 2016**

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City of Whittier
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(562) 567-9500

MEMORANDUM

TO: **Upper San Gabriel Valley Municipal Water District**

FROM: **City of Whittier Water Utility Authority**

SUBJECT: **2015 Urban Water Management Plan Update**

DATE: **January 28, 2016**

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City of Whittier
13230 Penn Street, Whittier, California 90602-1772
(562) 567-9500

MEMORANDUM

TO: **Central Basin Municipal Water District**

FROM: **City of Whittier Water Utility Authority**

SUBJECT: **2015 Urban Water Management Plan Update**

DATE: **January 28, 2016**

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City of Whittier
13230 Penn Street, Whittier, California 90602-1772
(562) 567-9500

MEMORANDUM

TO: **City of Whittier**
Attn: City Clerk

FROM: **City of Whittier Water Utility Authority**

SUBJECT: **2015 Urban Water Management Plan Update**

DATE: **January 28, 2016**

The Urban Water Management Planning Act requires every "urban water supplier[1]" to prepare and adopt an Urban Water Management Plan (UWMP) and periodically update that plan at least once every five years on or before December 31, in years ending in five and zero. Pursuant to Section 10621(d) of the UWMP Act, each urban water supplier shall update and submit its 2015 UWMP by July 1, 2016 to the California Department of Water Resources. The UWMP is a planning document and a source document to direct urban water suppliers to evaluate and compare their water supply and reliability to their existing water conservation efforts. City of Whittier Water Utility Authority is currently in the process of preparing the 2015 UWMP Update.

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APPENDIX C

AWWA Water Loss Audit Calculation

AWWA Free Water Audit Software v5.0

American Water Works Association Copyright © 2014, All Rights Reserved.

This spreadsheet-based water audit tool is designed to help quantify and track water losses associated with water distribution systems and identify areas for improved efficiency and cost recovery. It provides a "top-down" summary water audit format, and is not meant to take the place of a full-scale, comprehensive water audit format.

Auditors are strongly encouraged to refer to the most current edition of AWWA M36 Manual for Water Audits for detailed guidance on the water auditing process and targetting loss reduction levels

The spreadsheet contains several separate worksheets. Sheets can be accessed using the tabs towards the bottom of the screen, or by clicking the buttons below.

Please begin by providing the following information

Name of Contact Person:	Jared Macias	
Email Address:	jmacias@cityofwhittier.org	
Telephone | Ext.:	562-567-9549	
Name of City / Utility:	City of Whittier/Water Division	
City/Town/Municipality:	Whittier	
State / Province:	California (CA)	
Country:	USA	
Year:	2015	Financial Year
Start Date:	07/2014	Enter MM/YYYY numeric format
End Date:	06/2015	Enter MM/YYYY numeric format
Audit Preparation Date:	3/1/2016	
Volume Reporting Units:	Acre-feet	
PWSID / Other ID:	1910173	

The following guidance will help you complete the Audit

All audit data are entered on the ***Reporting Worksheet***

- Value can be entered by user
- Value calculated based on input data
- These cells contain recommended default values

Use of Option (Radio) Buttons: Pcnt: 0.25% Value:

Select the default percentage by choosing the option button on the left

To enter a value, choose this button and enter a value in the cell to the right

The following worksheets are available by clicking the buttons below or selecting the tabs along the bottom of the page

Instructions
The current sheet. Enter contact information and basic audit details (year, units etc)

Reporting Worksheet
Enter the required data on this worksheet to calculate the water balance and data grading

Comments
Enter comments to explain how values were calculated or to document data sources

Performance Indicators
Review the performance indicators to evaluate the results of the audit

Water Balance
The values entered in the Reporting Worksheet are used to populate the Water Balance

Dashboard
A graphical summary of the water balance and Non-Revenue Water components

Grading Matrix
Presents the possible grading options for each input component of the audit

Service Connection Diagram
Diagrams depicting possible customer service connection line configurations

Definitions
Use this sheet to understand the terms used in the audit process

Loss Control Planning
Use this sheet to interpret the results of the audit validity score and performance indicators

Example Audits
Reporting Worksheet and Performance Indicators examples are shown for two validated audits

Acknowledgements
Acknowledgements for the AWWA Free Water Audit Software v5.0

If you have questions or comments regarding the software please contact us via email at: wlc@awwa.org

AWWA Free Water Audit Software:
Reporting Worksheet

WAS v5.0
American Water Works Association.

? Click to access definition
+ Click to add a comment

Water Audit Report for: City of Whittier/Water Division (1910173)
Reporting Year: 2015 | 7/2014 - 6/2015

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: ACRE-FEET PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

<---------- Enter grading in column 'E' and 'J' ---------->

Master Meter and Supply Error Adjustments

WATER SUPPLIED

Volume from own sources:	9	8,240.720	acre-ft/yr	4	Pcnt: 0.90%	Value:	acre-ft/yr
Water imported:	n/a	0.000	acre-ft/yr				acre-ft/yr
Water exported:	n/a	0.000	acre-ft/yr				acre-ft/yr
WATER SUPPLIED:		**8,167.215**	acre-ft/yr				

Enter negative % or value for under-registration
Enter positive % or value for over-registration

AUTHORIZED CONSUMPTION

Click here: ? for help using option buttons below

				Pcnt:	Value:	
Billed metered:	9	7,482.920	acre-ft/yr			
Billed unmetered:	n/a	0.000	acre-ft/yr			
Unbilled metered:	n/a	0.000	acre-ft/yr			
Unbilled unmetered:		102.090	acre-ft/yr	1.25%		acre-ft/yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION: ? **7,585.010** acre-ft/yr

Use buttons to select percentage of water supplied **OR** value

WATER LOSSES (Water Supplied - Authorized Consumption) **582.205** acre-ft/yr

Apparent Losses

				Pcnt:	Value:	
Unauthorized consumption:		20.418	acre-ft/yr	0.25%		acre-ft/yr
Customer metering inaccuracies:	9	24.457	acre-ft/yr		24.457	acre-ft/yr
Systematic data handling errors:		18.707	acre-ft/yr	0.25%		acre-ft/yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: ? **63.582** acre-ft/yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: ? **518.623** acre-ft/yr

WATER LOSSES: **582.205** acre-ft/yr

NON-REVENUE WATER

NON-REVENUE WATER: ? **684.295** acre-ft/yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	9	124.2	miles
Number of active AND inactive service connections:	10	11,449	
Service connection density:		92	conn./mile main
Are customer meters typically located at the curbstop or property line?		Yes	
Average length of customer service line:			(length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure:	7	85.4	psi

COST DATA

Total annual cost of operating water system:	10	$7,885,982	$/Year
Customer retail unit cost (applied to Apparent Losses):	9	$4.82	$/100 cubic feet (ccf)
Variable production cost (applied to Real Losses):	6	$619.59	$/acre-ft

☐ Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 83 out of 100 ***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

1: Volume from own sources
2: Variable production cost (applied to Real Losses)
3: Unauthorized consumption

AWWA Free Water Audit Software:
System Attributes and Performance Indicators

WAS v5.0

American Water Works Association.

Water Audit Report for: City of Whittier/Water Division (1910173)

Reporting Year: 2015 | 7/2014 - 6/2015

*** YOUR WATER AUDIT DATA VALIDITY SCORE IS: 83 out of 100 ***

System Attributes:

	Apparent Losses:	63.582	acre-ft/yr
+	Real Losses:	518.623	acre-ft/yr
=	Water Losses:	582.205	acre-ft/yr
?	Unavoidable Annual Real Losses (UARL):	228.57	acre-ft/yr
	Annual cost of Apparent Losses:	$133,497	
	Annual cost of Real Losses:	$321,333	Valued at Variable Production Cost

Return to Reporting Worksheet to change this assumpiton

Performance Indicators:

Financial:	Non-revenue water as percent by volume of Water Supplied:	8.4%	
	Non-revenue water as percent by cost of operating system:	6.6%	Real Losses valued at Variable Production Cost
Operational Efficiency:	Apparent Losses per service connection per day:	4.96	gallons/connection/day
	Real Losses per service connection per day:	40.44	gallons/connection/day
	Real Losses per length of main per day*:	N/A	
	Real Losses per service connection per day per psi pressure:	0.47	gallons/connection/day/psi
	From Above, Real Losses = Current Annual Real Losses (CARL):	518.62	acre-feet/year
?	Infrastructure Leakage Index (ILI) [CARL/UARL]:	2.27	

* This performance indicator applies for systems with a low service connection density of less than 32 service connections/mile of pipeline

APPENDIX D

Water Conservation Act of 2009

California Water Code Division 6, Part 2.55.

Chapter 1. General Declarations and Policy §10608-10608.8
Chapter 2. Definitions §10608.12
Chapter 3. Urban Retail Water Suppliers §10608.16-10608.44
Chapter 4. Agricultural Water Suppliers §10608.48
Chapter 5. Sustainable Water Management §10608.50
Chapter 6 Standardized Data Collection §10608.52
Chapter 7 Funding Provisions §10608.56-10608.60
Chapter 8 Quantifying Agricultural Water Use Efficiency §10608.64

Chapter 1. General Declarations and Policy

SECTION 10608-10608.8

10608. The Legislature finds and declares all of the following:

(a) Water is a public resource that the California Constitution protects against waste and unreasonable use.

(b) Growing population, climate change, and the need to protect and grow California's economy while protecting and restoring our fish and wildlife habitats make it essential that the state manage its water resources as efficiently as possible.

(c) Diverse regional water supply portfolios will increase water supply reliability and reduce dependence on the Delta.

(d) Reduced water use through conservation provides significant energy and environmental benefits, and can help protect water quality, improve streamflows, and reduce greenhouse gas emissions.

(e) The success of state and local water conservation programs to increase efficiency of water use is best determined on the basis of measurable outcomes related to water use or efficiency.

(f) Improvements in technology and management practices offer the potential for increasing water efficiency in California over time, providing an essential water management tool to meet the need for water for urban, agricultural, and environmental uses.

(g) The Governor has called for a 20 percent per capita reduction in urban water use statewide by 2020.

(h) The factors used to formulate water use efficiency targets can vary significantly from location to location based on factors including weather, patterns of urban and suburban development, and past efforts to enhance water use efficiency.

(i) Per capita water use is a valid measure of a water provider's efforts to reduce urban water use within its service area. However, per capita water use is less useful for measuring relative water use efficiency between different water providers. Differences in weather, historical patterns of urban and suburban development, and density of housing in a particular location need to be considered when assessing per capita water use as a measure of efficiency.

10608.4. It is the intent of the Legislature, by the enactment of this part, to do all of the following:

(a) Require all water suppliers to increase the efficiency of use of this essential resource.

(b) Establish a framework to meet the state targets for urban water conservation identified in this part and called for by the Governor.

(c) Measure increased efficiency of urban water use on a per capita basis.

(d) Establish a method or methods for urban retail water suppliers to determine targets for achieving increased water use efficiency by the year 2020, in accordance with the Governor's goal of a 20-percent reduction.

(e) Establish consistent water use efficiency planning and implementation standards for urban water suppliers and agricultural water suppliers.

(f) Promote urban water conservation standards that are consistent with the California Urban Water Conservation Council's adopted best management practices and the requirements for demand management in Section 10631.

(g) Establish standards that recognize and provide credit to water suppliers that made substantial capital investments in urban water conservation since the drought of the early 1990s.

(h) Recognize and account for the investment of urban retail water suppliers in providing recycled water for beneficial uses.

(i) Require implementation of specified efficient water management practices for agricultural water suppliers.

(j) Support the economic productivity of California's agricultural, commercial, and industrial sectors.

(k) Advance regional water resources management.

10608.8. (a) (1) Water use efficiency measures adopted and implemented pursuant to this part or Part 2.8 (commencing with Section 10800) are water conservation measures subject to the protections provided under Section 1011.

(2) Because an urban agency is not required to meet its urban water use target until 2020 pursuant to subdivision (b) of Section 10608.24, an urban retail water supplier's failure to meet those targets shall not establish a violation of law for purposes of any state administrative or judicial proceeding prior to

January 1, 2021. Nothing in this paragraph limits the use of data reported to the department or the board in litigation or an administrative proceeding. This paragraph shall become inoperative on January 1, 2021.

(3) To the extent feasible, the department and the board shall provide for the use of water conservation reports required under this part to meet the requirements of Section 1011 for water conservation reporting.

(b) This part does not limit or otherwise affect the application of Chapter 3.5 (commencing with Section 11340), Chapter 4 (commencing with Section 11370), Chapter 4.5 (commencing with Section 11400), and Chapter 5 (commencing with Section 11500) of Part 1 of Division 3 of Title 2 of the Government Code.

(c) This part does not require a reduction in the total water used in the agricultural or urban sectors, because other factors, including, but not limited to, changes in agricultural economics or population growth may have greater effects on water use. This part does not limit the economic productivity of California's agricultural, commercial, or industrial sectors.

(d) The requirements of this part do not apply to an agricultural water supplier that is a party to the Quantification Settlement Agreement, as defined in subdivision (a) of Section 1 of Chapter 617 of the Statutes of 2002, during the period within which the Quantification Settlement Agreement remains in effect. After the expiration of the Quantification Settlement Agreement, to the extent conservation water projects implemented as part of the Quantification Settlement Agreement remain in effect, the conserved water created as part of those projects shall be credited against the obligations of the agricultural water supplier pursuant to this part.

Chapter 2 Definitions

SECTION 10608.12

10608.12. Unless the context otherwise requires, the following definitions govern the construction of this part:

(a) "Agricultural water supplier" means a water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding recycled water. "Agricultural water supplier" includes a supplier or contractor for water, regardless of the basis of right, that distributes or sells water for ultimate resale to customers. "Agricultural water supplier" does not include the department.

(b) "Base daily per capita water use" means any of the following:

(1) The urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous 10-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

(2) For an urban retail water supplier that meets at least 10 percent of its 2008 measured retail water demand through recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier, the urban retail water supplier may extend the calculation described in paragraph (1) up to an additional five years to a maximum of a continuous 15-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

(3) For the purposes of Section 10608.22, the urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous five-year period ending no earlier than December 31, 2007, and no later than December 31, 2010.

(c) "Baseline commercial, industrial, and institutional water use" means an urban retail water supplier's base daily per capita water use for commercial, industrial, and institutional users.

(d) "Commercial water user" means a water user that provides or distributes a product or service.

(e) "Compliance daily per capita water use" means the gross water use during the final year of the reporting period, reported in gallons per capita per day.

(f) "Disadvantaged community" means a community with an annual median household income that is less than 80 percent of the statewide annual median household income.

(g) "Gross water use" means the total volume of water, whether treated or untreated, entering the distribution system of an urban retail water supplier, excluding all of the following:

(1) Recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier.

(2) The net volume of water that the urban retail water supplier places into long-term storage.

(3) The volume of water the urban retail water supplier conveys for use by another urban water supplier.

(4) The volume of water delivered for agricultural use, except as otherwise provided in subdivision (f) of Section 10608.24.

(h) "Industrial water user" means a water user that is primarily a manufacturer or processor of materials as defined by the North American Industry Classification System code sectors 31 to 33, inclusive, or an entity that is a water user primarily engaged in research and development.

(i) "Institutional water user" means a water user dedicated to public service. This type of user includes, among other users, higher education institutions, schools, courts, churches, hospitals, government facilities, and nonprofit research institutions.

(j) "Interim urban water use target" means the midpoint between the urban retail water supplier's base daily per capita water use and the urban retail water supplier's urban water use target for 2020.

(k) "Locally cost effective" means that the present value of the local benefits of implementing an agricultural efficiency water management practice is greater than or equal to the present value of the local cost of implementing that measure.

(l) "Process water" means water used for producing a product or product content or water used for research and development, including, but not limited to, continuous manufacturing processes, water used for testing and maintaining equipment used in producing a product or product content, and water used in combined heat and power facilities used in producing a product or product content. Process water does not mean incidental water uses not related to the production of a product or product content, including, but not limited to, water used for restrooms, landscaping, air conditioning, heating, kitchens, and laundry.

(m) "Recycled water" means recycled water, as defined in subdivision (n) of Section 13050, that is used to offset potable demand, including recycled water supplied for direct use and indirect potable reuse, that meets the following requirements, where applicable:

(1) For groundwater recharge, including recharge through spreading basins, water supplies that are all of the following:

(A) Metered.

(B) Developed through planned investment by the urban water supplier or a wastewater treatment agency.

(C) Treated to a minimum tertiary level.

(D) Delivered within the service area of an urban retail water supplier or its urban wholesale water supplier that helps an urban retail water supplier meet its urban water use target.

(2) For reservoir augmentation, water supplies that meet the criteria of paragraph (1) and are conveyed through a distribution system constructed specifically for recycled water.

(n) "Regional water resources management" means sources of supply resulting from watershed-based planning for sustainable local water reliability or any of the following alternative sources of water:

(1) The capture and reuse of stormwater or rainwater.

(2) The use of recycled water.

(3) The desalination of brackish groundwater.

(4) The conjunctive use of surface water and groundwater in a manner that is consistent with the safe yield of the groundwater basin.

(o) "Reporting period" means the years for which an urban retail water supplier reports compliance with the urban water use targets.

(p) "Urban retail water supplier" means a water supplier, either publicly or privately owned, that directly provides potable municipal water to more than 3,000 end users or that supplies more than 3,000 acre-feet of potable water annually at retail for municipal purposes.

(q) "Urban water use target" means the urban retail water supplier's targeted future daily per capita water use.

(r) "Urban wholesale water supplier," means a water supplier, either publicly or privately owned, that provides more than 3,000 acre-feet of water annually at wholesale for potable municipal purposes.

Chapter 3 Urban Retail Water Suppliers

SECTION 10608.16-10608.44

10608.16.(a) The state shall achieve a 20-percent reduction in urban per capita water use in California on or before December 31, 2020.

(b) The state shall make incremental progress towards the state target specified in subdivision (a) by reducing urban per capita water use by at least 10 percent on or before December 31, 2015.

10608.20.(a) (1) Each urban retail water supplier shall develop urban water use targets and an interim urban water use target by July 1, 2011. Urban retail water suppliers may elect to determine and report progress toward achieving these targets on an individual or regional basis, as provided in subdivision (a) of Section 10608.28, and may determine the targets on a fiscal year or calendar year basis.

(2) It is the intent of the Legislature that the urban water use targets described in paragraph (1) cumulatively result in a 20-percent reduction from the baseline daily per capita water use by December 31, 2020.

(b) An urban retail water supplier shall adopt one of the following methods for determining its urban water use target pursuant to subdivision (a):

(1) Eighty percent of the urban retail water supplier's baseline per capita daily water use.

(2) The per capita daily water use that is estimated using the sum of the following performance standards:

(A) For indoor residential water use, 55 gallons per capita daily water use as a provisional standard. Upon completion of the department's 2016 report to the Legislature pursuant to Section 10608.42, this standard may be adjusted by the Legislature by statute.

(B) For landscape irrigated through dedicated or residential meters or connections, water efficiency equivalent to the standards of the Model Water Efficient Landscape Ordinance set forth in Chapter 2.7 (commencing with Section 490) of Division 2 of Title 23 of the California Code of Regulations, as in effect the later of the year of the landscape's installation or 1992. An urban retail water supplier using the approach specified in this subparagraph shall use satellite imagery, site visits, or other best available technology to develop an accurate estimate of landscaped areas.

(C) For commercial, industrial, and institutional uses, a 10-percent reduction in water use from the baseline commercial, industrial, and institutional water use by 2020.

(3) Ninety-five percent of the applicable state hydrologic region target, as set forth in the state's draft 20x2020 Water Conservation Plan (dated April 30, 2009). If the service area of an urban water supplier includes more than one hydrologic region, the supplier shall apportion its service area to each region based on population or area.

(4) A method that shall be identified and developed by the department, through a public process, and reported to the Legislature no later than December 31, 2010. The method developed by the department shall identify per capita targets that cumulatively result in a statewide 20-percent reduction in urban daily per capita water use by December 31, 2020. In developing urban daily per capita water use targets, the department shall do all of the following:

(A) Consider climatic differences within the state.

(B) Consider population density differences within the state.

(C) Provide flexibility to communities and regions in meeting the targets.

(D) Consider different levels of per capita water use according to plant water needs in different regions.

(E) Consider different levels of commercial, industrial, and institutional water use in different regions of the state.

(F) Avoid placing an undue hardship on communities that have implemented conservation measures or taken actions to keep per capita water use low.

(c) If the department adopts a regulation pursuant to paragraph (4) of subdivision (b) that results in a requirement that an urban retail water supplier achieve a reduction in daily per capita water use that is greater than 20 percent by December 31, 2020, an urban retail water supplier that adopted the method

described in paragraph (4) of subdivision (b) may limit its urban water use target to a reduction of not more than 20 percent by December 31, 2020, by adopting the method described in paragraph (1) of subdivision (b).

(d) The department shall update the method described in paragraph (4) of subdivision (b) and report to the Legislature by December 31, 2014. An urban retail water supplier that adopted the method described in paragraph (4) of subdivision (b) may adopt a new urban daily per capita water use target pursuant to this updated method.

(e) An urban retail water supplier shall include in its urban water management plan due in 2010 pursuant to Part 2.6 (commencing with Section 10610) the baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.

(f) When calculating per capita values for the purposes of this chapter, an urban retail water supplier shall determine population using federal, state, and local population reports and projections.

(g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan required pursuant to Part 2.6 (commencing with Section 10610).

(h) (1) The department, through a public process and in consultation with the California Urban Water Conservation Council, shall develop technical methodologies and criteria for the consistent implementation of this part, including, but not limited to, both of the following:

(A) Methodologies for calculating base daily per capita water use, baseline commercial, industrial, and institutional water use, compliance daily per capita water use, gross water use, service area population, indoor residential water use, and landscaped area water use.

(B) Criteria for adjustments pursuant to subdivisions (d) and (e) of Section 10608.24.

(2) The department shall post the methodologies and criteria developed pursuant to this subdivision on its Internet Web site, and make written copies available, by October 1, 2010. An urban retail water supplier shall use the methods developed by the department in compliance with this part.

(i) (1) The department shall adopt regulations for implementation of the provisions relating to process water in accordance with subdivision (l) of Section 10608.12, subdivision (e) of Section 10608.24, and subdivision (d) of Section 10608.26.

(2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the

Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

(j) (1) An urban retail water supplier is granted an extension to July 1, 2011, for adoption of an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) due in 2010 to allow the use of technical methodologies developed by the department pursuant to paragraph (4) of subdivision (b) and subdivision (h). An urban retail water supplier that adopts an urban water management plan due in 2010 that does not use the methodologies developed by the department pursuant to subdivision (h) shall amend the plan by July 1, 2011, to comply with this part.

(2) An urban wholesale water supplier whose urban water management plan prepared pursuant to Part 2.6 (commencing with Section 10610) was due and not submitted in 2010 is granted an extension to July 1, 2011, to permit coordination between an urban wholesale water supplier and urban retail water suppliers.

10608.22. Notwithstanding the method adopted by an urban retail water supplier pursuant to Section 10608.20, an urban retail water supplier's per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use as defined in paragraph(3) of subdivision (b) of Section 10608.12. This section does not apply to an urban retail water supplier with a base daily per capita water use at or below 100 gallons per capita per day.

10608.24.(a) Each urban retail water supplier shall meet its interim urban water use target by December 31, 2015.

(b) Each urban retail water supplier shall meet its urban water use target by December 31, 2020.

(c) An urban retail water supplier's compliance daily per capita water use shall be the measure of progress toward achievement of its urban water use target.

(d) (1) When determining compliance daily per capita water use, an urban retail water supplier may consider the following factors:

(A) Differences in evapotranspiration and rainfall in the baseline period compared to the compliance reporting period.
(B) Substantial changes to commercial or industrial water use resulting from increased business output and economic development that have occurred during the reporting period.

(C) Substantial changes to institutional water use resulting from fire suppression services or other extraordinary events, or from new or expanded operations, that have occurred during the reporting period.

(2) If the urban retail water supplier elects to adjust its estimate of compliance daily per capita water use due to one or more of the factors described in

paragraph (1), it shall provide the basis for, and data supporting, the adjustment in the report required by Section 10608.40.

(e) When developing the urban water use target pursuant to Section 10608.20, an urban retail water supplier that has a substantial percentage of industrial water use in its service area may exclude process water from the calculation of gross water use to avoid a disproportionate burden on another customer sector.

(f) (1) An urban retail water supplier that includes agricultural water use in an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) may include the agricultural water use in determining gross water use. An urban retail water supplier that includes agricultural water use in determining gross water use and develops its urban water use target pursuant to paragraph (2) of subdivision (b) of Section 10608.20 shall use a water efficient standard for agricultural irrigation of 100 percent of reference evapotranspiration multiplied by the crop coefficient for irrigated acres.

(2) An urban retail water supplier, that is also an agricultural water supplier, is not subject to the requirements of Chapter 4 (commencing with Section 10608.48), if the agricultural water use is incorporated into its urban water use target pursuant to paragraph (1).

10608.26.(a) In complying with this part, an urban retail water supplier shall conduct at least one public hearing to accomplish all of the following:

(1) Allow community input regarding the urban retail water supplier's implementation plan for complying with this part.

(2) Consider the economic impacts of the urban retail water supplier's implementation plan for complying with this part.

(3) Adopt a method, pursuant to subdivision (b) of Section 10608.20, for determining its urban water use target.

(b) In complying with this part, an urban retail water supplier may meet its urban water use target through efficiency improvements in any combination among its customer sectors. An urban retail water supplier shall avoid placing a disproportionate burden on any customer sector.

(c) For an urban retail water supplier that supplies water to a United States Department of Defense military installation, the urban retail water supplier's implementation plan for complying with this part shall consider the conservation of that military installation under federal Executive Order 13514.

(d) (1) Any ordinance or resolution adopted by an urban retail water supplier after the effective date of this section shall not require existing customers as of the effective date of this section, to undertake changes in product formulation, operations, or equipment that would reduce process water use, but may provide technical assistance and financial incentives to those customers to implement efficiency measures for process water. This section shall not limit

an ordinance or resolution adopted pursuant to a declaration of drought emergency by an urban retail water supplier.

(2) This part shall not be construed or enforced so as to interfere with the requirements of Chapter 4 (commencing with Section 113980) to Chapter 13 (commencing with Section 114380), inclusive, of Part 7 of Division 104 of the Health and Safety Code, or any requirement or standard for the protection of public health, public safety, or worker safety established by federal, state, or local government or recommended by recognized standard setting organizations or trade associations.

10608.28.(a) An urban retail water supplier may meet its urban water use target within its retail service area, or through mutual agreement, by any of the following:

(1) Through an urban wholesale water supplier.

(2) Through a regional agency authorized to plan and implement water conservation, including, but not limited to, an agency established under the Bay Area Water Supply and Conservation Agency Act (Division 31 (commencing with Section 81300)).

(3) Through a regional water management group as defined in Section 10537.

(4) By an integrated regional water management funding area.

(5) By hydrologic region.

(6) Through other appropriate geographic scales for which computation methods have been developed by the department.

(b) A regional water management group, with the written consent of its member agencies, may undertake any or all planning, reporting, and implementation functions under this chapter for the member agencies that consent to those activities. Any data or reports shall provide information both for the regional water management group and separately for each consenting urban retail water supplier and urban wholesale water supplier.

10608.32. All costs incurred pursuant to this part by a water utility regulated by the Public Utilities Commission may be recoverable in rates subject to review and approval by the Public Utilities Commission, and may be recorded in a memorandum account and reviewed for reasonableness by the Public Utilities Commission.

10608.36. Urban wholesale water suppliers shall include in the urban water management plans required pursuant to Part 2.6 (commencing with Section 10610) an assessment of their present and proposed future measures, programs, and policies to help achieve the water use reductions required by this part.

10608.40. Urban water retail suppliers shall report to the department on their progress in meeting their urban water use targets as part of their urban water management plans

submitted pursuant to Section 10631. The data shall be reported using a standardized form developed pursuant to Section 10608.52.

10608.42.(a) The department shall review the 2015 urban water management plans and report to the Legislature by July 1, 2017, on progress towards achieving a 20-percent reduction in urban water use by December 31, 2020. The report shall include recommendations on changes to water efficiency standards or urban water use targets to achieve the 20-percent reduction and to reflect updated efficiency information and technology changes.

(b) A report to be submitted pursuant to subdivision (a) shall be submitted in compliance with Section 9795 of the Government Code.

10608.43. The department, in conjunction with the California Urban Water Conservation Council, by April 1, 2010, shall convene a representative task force consisting of academic experts, urban retail water suppliers, environmental organizations, commercial water users, industrial water users, and institutional water users to develop alternative best management practices for commercial, industrial, and institutional users and an assessment of the potential statewide water use efficiency improvement in the commercial, industrial, and institutional sectors that would result from implementation of these best management practices. The taskforce, in conjunction with the department, shall submit a report to the Legislature by April 1, 2012, that shall include a review of multiple sectors within commercial, industrial, and institutional users and that shall recommend water use efficiency standards for commercial, industrial, and institutional users among various sectors of water use. The report shall include, but not be limited to, the following:

(a) Appropriate metrics for evaluating commercial, industrial, and institutional water use.

(b) Evaluation of water demands for manufacturing processes, goods, and cooling.

(c) Evaluation of public infrastructure necessary for delivery of recycled water to the commercial, industrial, and institutional sectors.

(d) Evaluation of institutional and economic barriers to increased recycled water use within the commercial, industrial, and institutional sectors.

(e) Identification of technical feasibility and cost of the best management practices to achieve more efficient water use statewide in the commercial, industrial, and institutional sectors that is consistent with the public interest and reflects past investments in water use efficiency.

10608.44. Each state agency shall reduce water use at facilities it operates to support urban retail water suppliers in meeting the target identified in Section 10608.16.

Chapter 4 Agricultural Water Suppliers

SECTION 10608.48

10608.48.(a) On or before July 31, 2012, an agricultural water supplier shall implement efficient water management practices pursuant to subdivisions (b) and (c).

(b) Agricultural water suppliers shall implement all of the following critical efficient management practices:

(1) Measure the volume of water delivered to customers with sufficient accuracy to comply with subdivision (a) of Section 531.10 and to implement paragraph (2).

(2) Adopt a pricing structure for water customers based at least in part on quantity delivered.

(c) Agricultural water suppliers shall implement additional efficient management practices, including, but not limited to, practices to accomplish all of the following, if the measures are locally cost effective and technically feasible:

(1) Facilitate alternative land use for lands with exceptionally high water duties or whose irrigation contributes to significant problems, including drainage.

(2) Facilitate use of available recycled water that otherwise would not be used beneficially, meets all health and safety criteria, and does not harm crops or soils.

(3) Facilitate the financing of capital improvements for on-farm irrigation systems.

(4) Implement an incentive pricing structure that promotes one or more of the following goals:

(A) More efficient water use at the farm level.

(B) Conjunctive use of groundwater.

(C) Appropriate increase of groundwater recharge.

(D) Reduction in problem drainage.

(E) Improved management of environmental resources.

(F) Effective management of all water sources throughout the year by adjusting seasonal pricing structures based on current conditions.

(5) Expand line or pipe distribution systems, and construct regulatory reservoirs to increase distribution system flexibility and capacity, decrease maintenance, and reduce seepage.

(6) Increase flexibility in water ordering by, and delivery to, water customers within operational limits.

(7) Construct and operate supplier spill and tailwater recovery systems.

(8) Increase planned conjunctive use of surface water and groundwater within the supplier service area.

(9) Automate canal control structures.

(10) Facilitate or promote customer pump testing and evaluation.

(11) Designate a water conservation coordinator who will develop and implement the water management plan and prepare progress reports.

(12) Provide for the availability of water management services to water users. These services may include, but are not limited to, all of the following:

(A) On-farm irrigation and drainage system evaluations.

(B) Normal year and real-time irrigation scheduling and crop evapotranspiration information.

(C) Surface water, groundwater, and drainage water quantity and quality data.

(D) Agricultural water management educational programs and materials for farmers, staff, and the public.

(13) Evaluate the policies of agencies that provide the supplier with water to identify the potential for institutional changes to allow more flexible water deliveries and storage.

(14) Evaluate and improve the efficiencies of the supplier's pumps.

(d) Agricultural water suppliers shall include in the agricultural water management plans required pursuant to Part 2.8 (commencing with Section 10800) a report on which efficient water management practices have been implemented and are planned to be implemented, an estimate of the water use efficiency improvements that have occurred since the last report, and an estimate of the water use efficiency improvements estimated to occur five and 10 years in the future. If an agricultural water supplier determines that an efficient water management practice is not locally cost effective or technically feasible, the supplier shall submit information documenting that determination.

(e) The data shall be reported using a standardized form developed pursuant to Section 10608.52.

(f) An agricultural water supplier may meet the requirements of subdivisions (d) and (e) by submitting to the department a water conservation plan submitted to the United States Bureau of Reclamation that meets the requirements described in Section 10828.

(g) On or before December 31, 2013, December 31, 2016, and December 31, 2021, the department, in consultation with the board, shall submit to the Legislature a report on the agricultural efficient water management practices that have been implemented and are planned to be implemented and an assessment of the manner in which the implementation of those efficient water management practices has affected and will affect agricultural operations, including estimated water use efficiency improvements, if any.

(h) The department may update the efficient water management practices required pursuant to subdivision (c), in consultation with the Agricultural Water Management Council, the United States Bureau of Reclamation, and the board. All efficient water management practices for agricultural water use pursuant to this chapter shall be adopted or revised by the department only after the department conducts public hearings to allow participation of the diverse geographical areas and interests of the state.

(i) (1) The department shall adopt regulations that provide for a range of options that agricultural water suppliers may use or implement to comply with the measurement requirement in paragraph (1) of subdivision (b).

(2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

Chapter 5 Sustainable Water Management

Section 10608.50

10608.50.(a) The department, in consultation with the board, shall promote implementation of regional water resources management practices through increased incentives and removal of barriers consistent with state and federal law. Potential changes may include, but are not limited to, all of the following:

(1) Revisions to the requirements for urban and agricultural water management plans.

(2) Revisions to the requirements for integrated regional water management plans.

(3) Revisions to the eligibility for state water management grants and loans.

(4) Revisions to state or local permitting requirements that increase water supply opportunities, but do not weaken water quality protection under state and federal law.

(5) Increased funding for research, feasibility studies, and project construction.

(6) Expanding technical and educational support for local land use and water management agencies.

(b) No later than January 1, 2011, and updated as part of the California Water Plan, the department, in consultation with the board, and with public input, shall propose new statewide targets, or review and update existing statewide targets, for regional water resources management practices, including, but not limited to, recycled water, brackish groundwater desalination, and infiltration and direct use of urban stormwater runoff.

Chapter 6 Standardized Data Collection

SECTION 10608.52

10608.52.(a) The department, in consultation with the board, the California Bay-Delta Authority or its successor agency, the State Department of Public Health, and the Public Utilities Commission, shall develop a single standardized water use reporting form to meet the water use information needs of each agency, including the needs of urban water suppliers that elect to determine and report progress toward achieving targets on a regional basis as provided in subdivision (a) of Section 10608.28.

(b) At a minimum, the form shall be developed to accommodate information sufficient to assess an urban water supplier's compliance with conservation targets pursuant to Section 10608.24 and an agricultural water supplier's compliance with implementation of efficient water management practices pursuant to subdivision (a) of Section 10608.48. The form shall accommodate reporting by urban water suppliers on an individual or regional basis as provided in subdivision (a) of Section 10608.28.

Chapter 7 Funding Provisions

Section 10608.56-10608.60

10608.56.(a) On and after July 1, 2016, an urban retail water supplier is not eligible for a water grant or loan awarded or administered by the state unless the supplier complies with this part.

(b) On and after July 1, 2013, an agricultural water supplier is not eligible for a water grant or loan awarded or administered by the state unless the supplier complies with this part.

(c) Notwithstanding subdivision (a), the department shall determine that an urban retail water supplier is eligible for a water grant or loan even though the supplier has not met the per capita reductions required pursuant to Section 10608.24, if the urban retail water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for achieving the per capita reductions. The supplier may request grant or loan funds to achieve the per capita reductions to the extent the request is consistent with the eligibility requirements applicable to the water funds.

(d) Notwithstanding subdivision (b), the department shall determine that an agricultural water supplier is eligible for a water grant or loan even though the supplier is not implementing all of the efficient water management practices described in Section 10608.48, if the agricultural water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for implementation of the efficient water management practices. The supplier may request grant or loan funds to implement the efficient water management practices to the extent the request is consistent with the eligibility requirements applicable to the water funds.

(e) Notwithstanding subdivision (a), the department shall determine that an urban retail water supplier is eligible for a water grant or loan even though the supplier has not met the per capita reductions required pursuant to Section 10608.24, if the urban retail water supplier has submitted to the department for approval documentation demonstrating that its entire service area qualifies as a disadvantaged community.

(f) The department shall not deny eligibility to an urban retail water supplier or agricultural water supplier in compliance with the requirements of this part and Part 2.8 (commencing with Section 10800), that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the requirements of this part or Part 2.8 (commencing with Section 10800).

10608.60.(a) It is the intent of the Legislature that funds made available by Section 75026 of the Public Resources Code should be expended, consistent with Division 43 (commencing with Section 75001) of the Public Resources Code and upon appropriation by the Legislature, for grants to implement this part. In the allocation of funding, it is the intent of the Legislature that the department give consideration to disadvantaged communities to assist in implementing the requirements of this part.

(b) It is the intent of the Legislature that funds made available by Section 75041 of the Public Resources Code, should be expended, consistent with Division 43 (commencing with Section 75001) of the Public Resources Code and upon appropriation by the Legislature, for direct expenditures to implement this part.

Chapter 8 Quantifying Agricultural Water Use Efficiency

SECTION 10608.64

10608.64. The department, in consultation with the Agricultural Water Management Council, academic experts, and other stakeholders, shall develop a methodology for quantifying the efficiency of agricultural water use. Alternatives to be assessed shall include, but not be limited to, determination of efficiency levels based on crop type or irrigation system distribution uniformity. On or before December 31, 2011, the department shall report to the Legislature on a proposed methodology and a plan for implementation. The plan shall include the estimated implementation costs and the types of data needed to support the methodology. Nothing in this section authorizes the department to implement a methodology established pursuant to this section.

APPENDIX E

Technical Methodology 2:

Service Area Population

Backup and Calculation

DEPARTMENT OF WATER RESOURCES
1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

September 19, 2014

Mr. Jeff Collier
City Manager
City of Whittier
13230 Penn Street
Whittier, California 90602-1772

Dear Mr. Collier:

The Department of Water Resources (DWR) has reviewed the City of Whittier's 2010 Urban Water Management Plan (UWMP) received in July 2014. The California Water Code (CWC) directs DWR to report to the legislature once every five years on the status of submitted plans. In meeting this legislative reporting requirement, DWR reviews all submitted plans.

DWR's review of the City's Revised 2010 plan has found that the plan has addressed the overall requirements of the CWC.

DWR's review of plans is limited to assessing whether suppliers have addressed the required legislative elements. In its review DWR does not evaluate or analyze the supplier's UWMP data, projections, or water management strategies. This letter is simply meant to acknowledge that the City of Whittier has addressed these requirements. The results of the review will also be provided to DWR's Financial Assistance Branch.

If you have any questions regarding the review of the plan or urban water management planning, please do not hesitate to contact me.

Sincerely,

Peter Brostrom
UWMP Program Manager
Peter.Brostrom@water.ca.gov
(916) 651-7034

cc: Mr. Dan Wall
Assistant Dir. of Public Works
City of Whittier

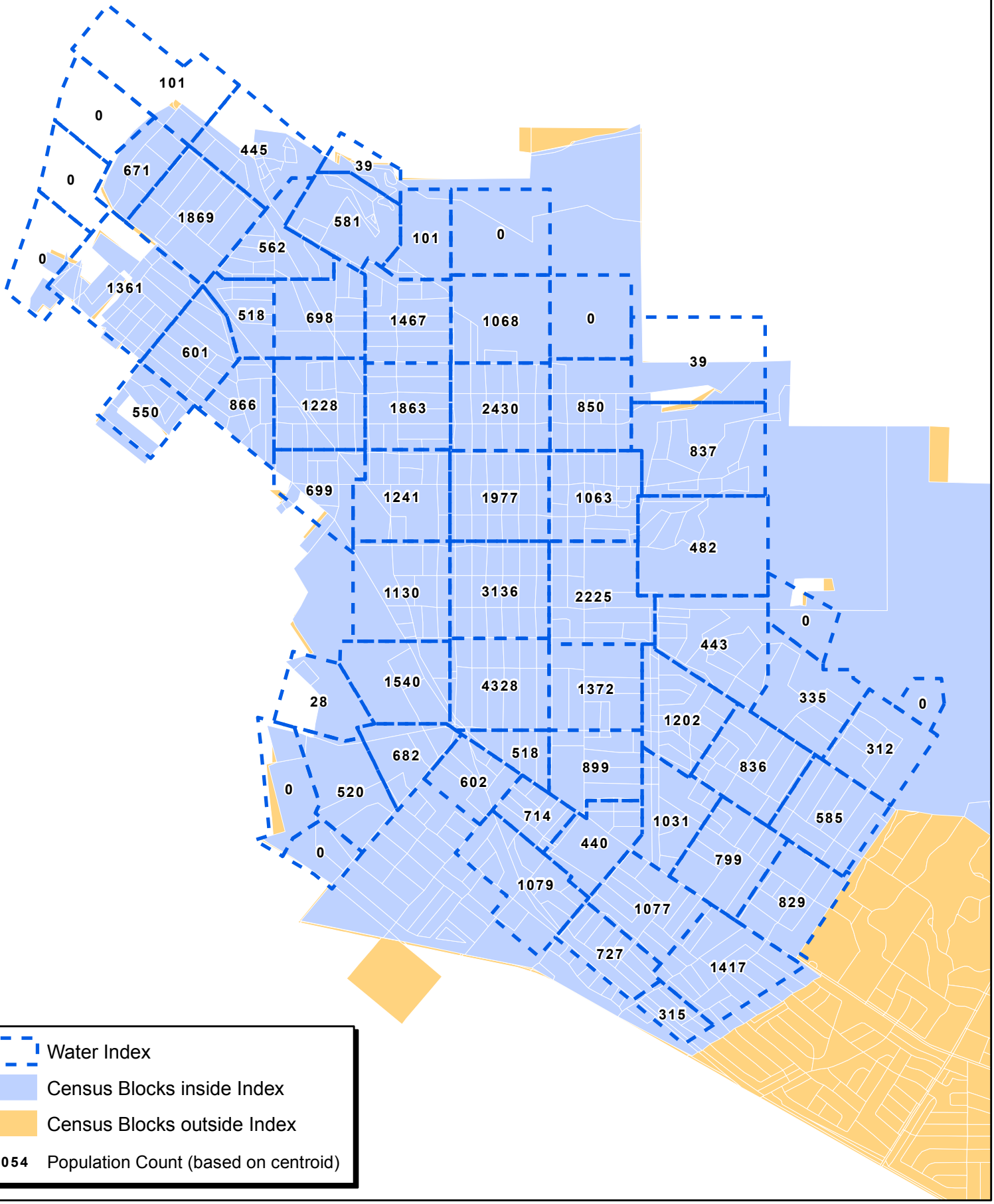
Sergio Fierro
DWR Southern Regional Office

Marty Berbach
Gwen Huff
DWR Headquarters

2000 Population: 83680

Water Population: 53328

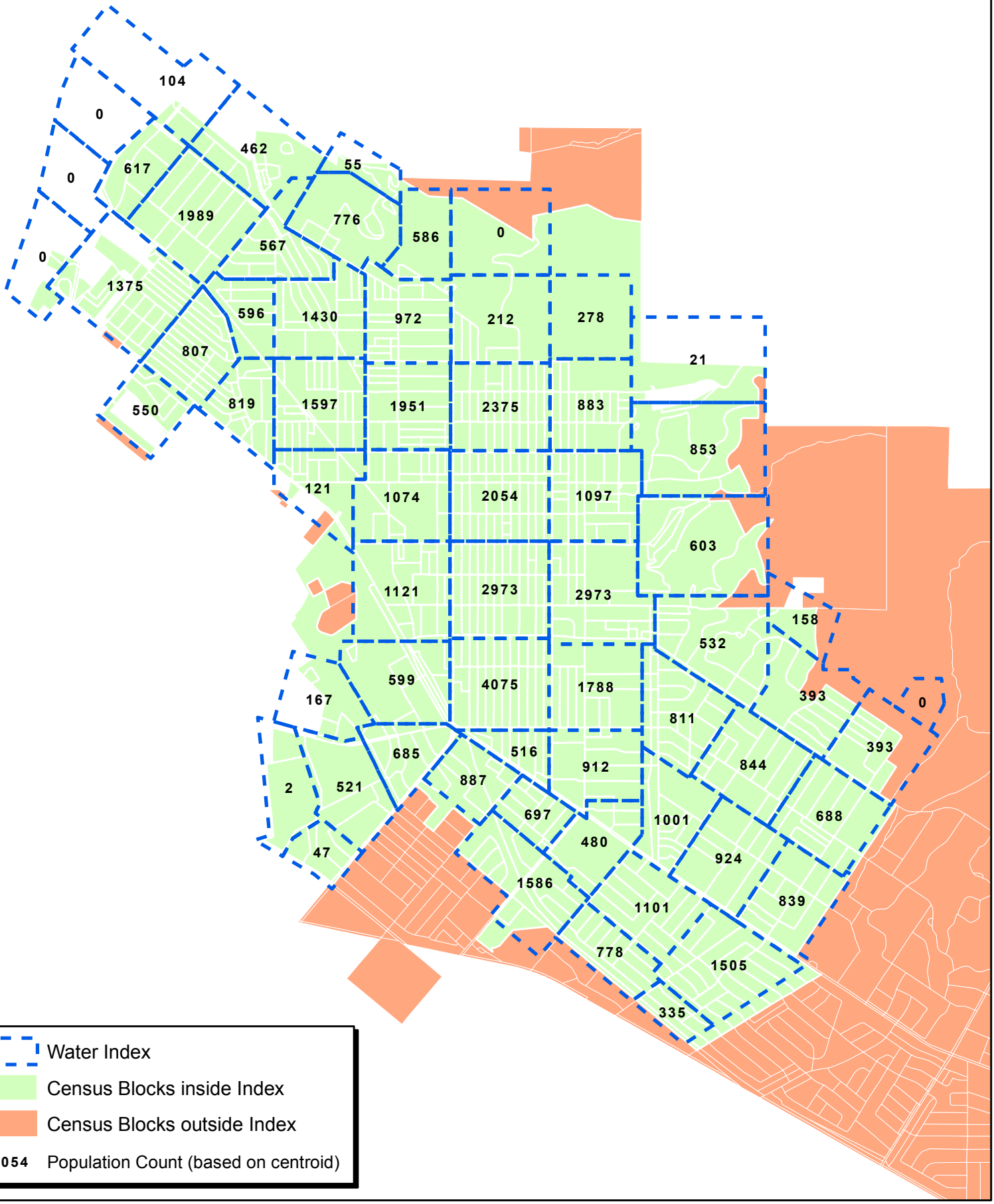
64%



2010 Population: 85331

Water Population: 55155

65%



ADDENDUM NO. 1
TABLE 2A
HISTORICAL POPULATION

Fiscal Year	Residential Connections [1]	Persons Per Residential Connection for Calendar Year 2000 [2]	Calculated Population [3]
1995-96	10,326	5.05	52,141
1996-97	10,373	5.05	52,379
1997-98	10,420	5.05	52,616
1998-99	10,467	5.05	52,853
1999-2000	10,514	5.05	53,091
2000-01	10,561	5.05	53,328

Fiscal Year	Calculated Population Based on GIS Method [4]
2001-02	53,511
2002-03	53,694
2003-04	53,877
2004-05	54,060
2005-06	54,243
2006-07	54,426
2007-08	54,609
2008-09	54,792
2009-10	54,975
2010-11	55,155

[1] Data from City of Whittier

[2] Based on calendar year 2000 population divded by fiscal year 2000-01 number of service connections (53,328 / 10,561 = 5.05)

[3] Calculated population is the Residential Connections times by the Persons per Residential Connection for calendar year 2000

[4] Based on Technical Methodology 2, the City used its Geographic Information System (GIS) water service area boundaries to overlay over the US Census shape files for the years 2000 and 2010. Data between 2000 and 2010 were extrapolated.

County Name	City Name	2008 Population	2020 Population	2035 Population	2008 Households	2020 Households	2035 Households	2008 Employment	2020 Employment	2035 Employment
LOS ANGELES COUNTY	Lomita city	20,300	21,000	21,900	8,100	8,100	8,200	4,700	5,000	5,200
LOS ANGELES COUNTY	Long Beach city	462,200	491,000	534,100	163,500	175,600	188,900	168,100	176,000	184,800
LOS ANGELES COUNTY	Los Angeles city	3,770,500	3,991,700	4,320,600	1,309,900	1,455,700	1,626,600	1,735,200	1,817,700	1,906,800
LOS ANGELES COUNTY	Lynwood city	69,300	72,300	74,300	14,600	15,300	15,700	13,200	13,800	14,500
LOS ANGELES COUNTY	Malibu city	12,600	13,800	14,800	5,300	5,400	6,100	8,900	8,900	9,900
LOS ANGELES COUNTY	Manhattan Beach city	35,100	35,500	36,000	14,100	14,100	14,100	15,100	16,100	17,200
LOS ANGELES COUNTY	Maywood city	27,400	27,600	28,000	6,600	6,600	6,700	3,700	3,900	4,000
LOS ANGELES COUNTY	Monrovia city	36,300	37,700	39,400	13,600	14,300	14,800	17,700	18,300	19,100
LOS ANGELES COUNTY	Montebello city	62,500	66,400	66,400	19,000	20,500	20,500	25,700	26,400	27,400
LOS ANGELES COUNTY	Monterey Park city	60,100	67,900	77,700	19,900	20,900	21,700	30,400	32,000	33,700
LOS ANGELES COUNTY	Norwalk city	105,500	109,100	114,200	27,100	27,400	27,700	24,600	25,700	27,000
LOS ANGELES COUNTY	Palmdale city	149,200	179,300	206,100	41,900	51,300	58,800	32,700	38,900	47,200
LOS ANGELES COUNTY	Palos Verdes Estates city	13,400	13,500	13,500	5,100	5,100	5,100	3,500	3,400	3,400
LOS ANGELES COUNTY	Paramount city	54,100	57,100	62,600	13,900	14,100	14,400	18,300	18,500	19,100
LOS ANGELES COUNTY	Pasadena city	135,300	143,400	152,500	54,500	58,400	61,400	117,300	124,400	131,300
LOS ANGELES COUNTY	Pico Rivera city	62,900	65,900	70,100	16,600	17,600	18,700	16,100	16,400	16,900
LOS ANGELES COUNTY	Pomona city	149,100	168,500	197,400	38,500	43,400	48,900	54,700	57,000	59,600
LOS ANGELES COUNTY	Rancho Palos Verdes city	41,600	41,700	41,700	15,500	15,600	15,600	6,300	6,700	7,100
LOS ANGELES COUNTY	Redondo Beach city	66,500	69,700	73,000	28,900	30,700	32,000	30,100	30,600	31,600
LOS ANGELES COUNTY	Rolling Hills city	1,900	1,900	1,900	700	700	700	40	40	40
LOS ANGELES COUNTY	Rolling Hills Estates city	8,100	8,100	8,200	3,000	3,000	3,000	3,800	4,000	4,200
LOS ANGELES COUNTY	Rosemead city	53,600	55,500	58,100	14,200	15,000	15,800	16,400	16,900	17,600
LOS ANGELES COUNTY	San Dimas city	33,400	35,000	35,600	12,000	12,600	12,900	13,100	13,600	14,100
LOS ANGELES COUNTY	San Fernando city	23,600	24,400	25,500	5,900	6,200	6,600	15,000	15,300	15,900
LOS ANGELES COUNTY	San Gabriel city	39,700	42,800	46,100	12,500	13,800	14,800	14,200	15,000	15,700
LOS ANGELES COUNTY	San Marino city	13,100	13,200	13,300	4,300	4,300	4,300	4,800	5,000	5,300
LOS ANGELES COUNTY	Santa Clarita city	175,900	201,100	237,100	59,300	70,100	81,900	92,900	108,700	122,600
LOS ANGELES COUNTY	Santa Fe Springs city	16,200	17,900	20,300	4,800	5,200	5,800	49,600	49,600	50,500
LOS ANGELES COUNTY	Santa Monica city	89,100	92,400	94,700	46,600	49,200	51,400	99,500	101,600	104,200
LOS ANGELES COUNTY	Sierra Madre city	10,900	10,900	11,000	4,800	4,900	5,000	3,400	3,400	3,400
LOS ANGELES COUNTY	Signal Hill city	11,000	11,800	12,900	4,100	4,400	4,700	11,700	12,300	12,700
LOS ANGELES COUNTY	South El Monte city	20,100	20,800	21,800	4,600	4,800	5,000	15,700	15,300	15,400
LOS ANGELES COUNTY	South Gate city	94,400	101,200	110,000	23,400	24,800	26,100	19,700	20,000	20,600
LOS ANGELES COUNTY	South Pasadena city	25,600	25,900	26,300	10,500	10,600	10,800	9,000	9,500	10,000
LOS ANGELES COUNTY	Temple City city	35,400	36,900	39,000	11,600	12,300	13,000	6,700	7,000	7,300
LOS ANGELES COUNTY	Torrance city	145,000	150,800	158,500	55,800	57,800	59,800	105,800	109,100	113,300
LOS ANGELES COUNTY	Vernon city	100	100	100	30	30	30	44,600	45,700	47,300
LOS ANGELES COUNTY	Walnut city	29,000	32,600	33,200	8,500	9,800	10,000	9,000	9,500	10,000
LOS ANGELES COUNTY	West Covina city	106,100	112,200	120,200	31,600	32,600	33,900	27,700	29,300	30,900
LOS ANGELES COUNTY	West Hollywood city	34,400	35,100	36,100	22,700	23,100	23,800	32,300	34,500	36,600
LOS ANGELES COUNTY	Westlake Village city	8,300	8,600	9,000	3,300	3,300	3,400	9,300	9,600	10,000
LOS ANGELES COUNTY	Whittier city	85,300	87,600	90,500	28,300	29,400	30,500	31,300	33,000	34,800
LOS ANGELES COUNTY	Unincorporated	1,052,800	1,159,100	1,399,500	298,100	336,100	405,500	237,000	266,100	318,100
		9,778,000	10,404,000	11,353,000	3,228,000	3,513,000	3,852,000	4,340,000	4,558,000	4,827,000
ORANGE COUNTY	Aliso Viejo city	47,200	51,500	51,000	18,000	19,000	19,000	17,200	19,600	19,700
ORANGE COUNTY	Anaheim city	333,900	369,100	405,800	97,700	107,600	124,700	192,200	193,700	224,200
ORANGE COUNTY	Brea city	39,200	48,300	49,800	14,300	17,000	17,800	48,900	49,100	49,500
ORANGE COUNTY	Buena Park city	80,000	83,500	83,200	23,600	24,200	24,500	33,900	35,500	35,700
ORANGE COUNTY	Costa Mesa city	109,100	113,700	114,000	39,700	40,100	40,900	94,200	88,300	88,800
ORANGE COUNTY	Cypress city	47,800	50,300	51,400	15,700	16,000	16,500	26,900	27,500	28,200
ORANGE COUNTY	Dana Point city	33,400	35,900	36,200	14,200	14,800	15,200	13,600	13,500	13,700
ORANGE COUNTY	Fountain Valley city	54,900	58,300	59,500	18,500	19,100	19,700	34,400	32,900	33,000
ORANGE COUNTY	Fullerton city	134,700	145,500	164,500	45,300	47,400	54,800	65,300	63,400	91,600
ORANGE COUNTY	Garden Grove city	170,400	179,400	180,300	46,000	47,000	47,800	50,900	49,700	49,800
ORANGE COUNTY	Huntington Beach city	189,700	199,800	205,500	74,300	75,800	79,200	82,900	80,100	80,600

Table I-1 Add.
Population Estimates for California and SCAG Region Counties and Cities 1970-2012

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	CENSUS 2010	2011	2012
Pico Rivera	63,757	64,232	64,757	64,869	64,635	64,128	63,688	63,323	63,095	62,997	62,942	63,053	63,168
Pomona	150,428	150,841	151,731	151,938	152,106	152,166	150,513	150,865	149,935	149,311	149,058	149,452	149,950
Rancho Palos Verdes	41,571	41,957	42,260	42,450	42,457	41,931	41,728	41,633	41,537	41,654	41,643	41,721	41,897
Redondo Beach	63,963	65,184	65,844	66,008	65,931	65,782	65,738	65,839	66,162	66,716	66,748	66,895	67,007
Rolling Hills	1,884	1,890	1,898	1,910	1,912	1,889	1,876	1,868	1,868	1,867	1,860	1,866	1,875
Rolling Hills Estates	7,775	7,874	7,987	8,041	8,058	7,973	7,939	8,045	8,036	8,064	8,067	8,084	8,097
Rosemead	54,145	54,398	54,867	54,880	54,677	54,405	54,045	53,849	53,877	53,844	53,764	53,978	54,172
San Dimas	35,115	35,194	35,274	35,166	34,906	34,516	34,153	33,789	33,596	33,434	33,371	33,432	33,499
San Fernando	23,725	23,843	23,915	23,965	23,867	23,846	23,677	23,677	23,680	23,671	23,645	23,687	23,752
San Gabriel	40,014	40,235	40,470	40,440	40,365	40,109	39,974	39,870	39,798	39,774	39,718	39,796	39,926
San Marino	13,039	13,188	13,298	13,397	13,397	13,220	13,163	13,136	13,107	13,150	13,147	13,170	13,195
Santa Clarita	153,479	157,536	161,744	163,396	165,431	165,243	173,979	174,355	175,103	176,056	176,320	176,779	177,445
Santa Fe Springs	16,445	16,550	16,542	16,980	16,840	16,633	16,450	16,281	16,177	16,206	16,223	16,432	16,516
Santa Monica	85,116	87,084	88,019	88,795	88,692	88,181	87,860	88,170	89,295	89,494	89,736	90,080	90,223
Sierra Madre	10,662	10,786	10,872	10,932	10,939	10,820	10,785	10,881	10,881	10,917	10,917	10,936	10,963
Signal Hill	9,572	9,819	10,111	10,397	10,614	10,741	10,786	10,955	10,988	11,016	11,016	11,060	11,129
South El Monte	21,166	21,199	21,162	21,026	20,982	20,690	20,497	20,257	20,326	20,171	20,116	20,151	20,190
South Gate	96,775	97,500	97,734	97,953	97,461	96,499	95,893	96,080	95,741	94,502	94,396	94,563	94,320
South Pasadena	24,592	24,865	25,078	25,264	25,376	25,312	25,324	25,358	25,486	25,596	25,619	25,664	25,725
Temple City	33,679	34,145	34,433	34,965	35,087	34,979	35,024	35,098	35,284	35,516	35,558	35,634	35,749
Torrance	139,270	140,818	142,528	143,709	143,738	143,445	143,825	144,326	144,702	145,392	145,438	145,770	146,115
Vernon	93	96	99	102	103	105	107	109	111	114	112	120	120
Walnut	30,053	30,174	30,304	30,174	29,887	29,879	29,540	29,305	29,285	29,222	29,172	29,407	29,661
West Covina	106,676	107,508	108,109	108,184	107,955	107,651	106,985	106,426	106,231	106,189	106,098	106,284	106,713
West Hollywood	35,869	36,154	36,178	36,255	36,008	35,297	34,906	34,616	34,462	34,481	34,399	34,599	34,681
Westlake Village	8,406	8,448	8,554	8,553	8,518	8,441	8,376	8,320	8,292	8,277	8,270	8,284	8,300
Whittier	**84,248**	**84,936**	**85,490**	**85,843**	**85,433**	**85,102**	**84,905**	**84,792**	**84,841**	**85,293**	**85,331**	**85,482**	**85,654**
Unincorporated	998,963	1,015,350	1,029,987	1,043,952	1,055,523	1,059,556	1,050,546	1,050,594	1,053,979	1,057,223	1,057,426	1,058,894	1,062,073
LOS ANGELES COUNTY	9,590,100	9,679,200	9,756,900	9,806,900	9,816,200	9,798,600	9,780,800	9,785,500	9,801,100	9,822,100	9,818,600	9,847,700	9,884,600

Prepared by Research and Analysis Department
Southern California Association of Governments

Table I-1 Add.
Population Estimates for California and SCAG Region Counties and Cities 1970-2012

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	CENSUS 2000
Pico Rivera	59,086	59,456	59,750	59,921	59,710	59,738	59,998	60,622	61,673	63,177	63,428
Pomona	133,213	136,614	137,958	139,268	139,349	139,998	141,182	143,163	145,370	148,725	149,473
Rancho Palos Verdes	41,027	41,083	41,055	40,788	40,445	40,249	40,182	40,319	40,561	41,043	41,145
Redondo Beach	59,686	60,204	61,225	61,067	61,136	61,002	61,071	61,713	62,199	63,024	63,261
Rolling Hills	1,826	1,819	1,847	1,839	1,865	1,856	1,848	1,846	1,851	1,867	1,871
Rolling Hills Estates	7,703	7,712	7,678	7,595	7,589	7,498	7,459	7,460	7,554	7,657	7,676
Rosemead	51,845	52,064	51,952	52,371	52,034	51,992	52,032	52,301	52,739	53,374	53,505
San Dimas	32,745	32,735	32,866	33,007	33,535	33,505	33,795	34,226	34,448	34,859	34,980
San Fernando	23,090	23,281	23,268	23,275	22,811	22,774	22,869	23,005	23,193	23,477	23,564
San Gabriel	37,191	37,551	37,521	38,008	38,372	38,330	38,447	38,664	39,101	39,663	39,804
San Marino	12,751	12,738	12,716	12,658	12,787	12,717	12,715	12,747	12,806	12,913	12,945
Santa Clarita	119,103	122,292	123,898	128,569	128,159	128,819	129,752	142,080	144,953	150,094	151,131
Santa Fe Springs	15,399	15,487	15,420	15,521	15,813	15,574	15,688	15,900	16,088	16,335	16,413
Santa Monica	85,394	85,093	85,289	85,142	83,614	82,613	82,156	82,116	82,372	83,998	84,084
Sierra Madre	10,659	10,600	10,554	10,518	10,517	10,450	10,419	10,447	10,484	10,553	10,578
Signal Hill	8,326	8,438	8,687	8,827	8,725	8,757	8,813	8,965	9,083	9,260	9,333
South El Monte	21,032	21,007	20,844	20,855	20,844	20,729	20,698	20,747	20,881	21,086	21,144
South Gate	87,409	88,429	88,901	89,307	90,586	91,119	91,829	92,937	94,265	95,904	96,375
South Pasadena	23,796	23,888	23,869	23,677	23,870	23,775	23,777	23,880	24,021	24,268	24,339
Temple City	31,065	31,236	31,604	31,679	32,013	32,069	32,243	32,508	32,812	33,255	33,377
Torrance	131,995	132,083	132,776	133,190	133,900	133,578	133,764	134,930	135,932	137,534	137,946
Vernon	81	80	81	81	81	82	83	84	86	88	91
Walnut	28,878	29,082	29,458	29,664	29,688	29,581	29,513	29,580	29,719	29,942	30,004
West Covina	96,407	96,879	97,750	98,891	99,676	99,842	100,671	101,823	103,130	104,649	105,080
West Hollywood	35,736	35,751	35,895	35,869	35,376	35,171	35,113	35,174	35,394	35,700	35,794
Westlake Village	7,460	7,518	7,584	7,558	7,662	7,658	7,701	8,088	8,219	8,336	8,368
Whittier	78,304	78,732	79,312	79,685	80,507	80,586	80,883	81,550	82,224	83,313	83,639
Unincorporated	961,598	938,509	946,480	941,765	948,382	941,943	947,771	946,990	960,217	980,459	986,050
LOS ANGELES COUNTY	8,908,300	9,008,000	9,072,200	9,095,200	9,103,900	9,104,700	9,147,100	9,225,800	9,330,200	9,477,700	9,519,300

Prepared by Research and Analysis Department
Southern California Association of Governments

APPENDIX F

Standardized Tables SB X7-7

Verification Form

SB X7-7 Table 0: Units of Measure Used in UWMP* *(select one from the drop down list)*
Acre Feet
**The unit of measure must be consistent with Table 2-3*
NOTES:

SB X7-7 Table-1: Baseline Period Ranges			
Baseline	**Parameter**	**Value**	**Units**
10- to 15-year baseline period	2008 total water deliveries	8,009	Acre Feet
	2008 total volume of delivered recycled water	90	Acre Feet
	2008 recycled water as a percent of total deliveries	1.12%	Percent
	Number of years in baseline period[1]	10	Years
	Year beginning baseline period range	1996	
	Year ending baseline period range[2]	2005	
5-year baseline period	Number of years in baseline period	5	Years
	Year beginning baseline period range	2004	
	Year ending baseline period range[3]	2008	

[1] *If the 2008 recycled water percent is less than 10 percent, then the first baseline period is a continuous 10-year period. If the amount of recycled water delivered in 2008 is 10 percent or greater, the first baseline period is a continuous 10- to 15-year period.*

[2] *The ending year must be between December 31, 2004 and December 31, 2010.*

[3] *The ending year must be between December 31, 2007 and December 31, 2010.*

NOTES:

SB X7-7 Table 2: Method for Population Estimates	
Method Used to Determine Population (may check more than one)	
☑	**1. Department of Finance** (DOF) DOF Table E-8 (1990 - 2000) and (2000-2010) and DOF Table E-5 (2011 - 2015) when available
☐	**2. Persons-per-Connection Method**
☑	**3. DWR Population Tool**
☐	**4. Other** DWR recommends pre-review
NOTES:	

SB X7-7 Table 3: Service Area Population		
Year		**Population**
10 to 15 Year Baseline Population		
Year 1	1996	52,141
Year 2	1997	52,379
Year 3	1998	52,616
Year 4	1999	52,853
Year 5	2000	53,091
Year 6	2001	53,328
Year 7	2002	53,511
Year 8	2003	53,694
Year 9	2004	53,877
Year 10	2005	54,060
Year 11		
Year 12		
Year 13		
Year 14		
Year 15		
5 Year Baseline Population		
Year 1	2004	53,877
Year 2	2005	54,060
Year 3	2006	54,243
Year 4	2007	54,426
Year 5	2008	54,609
2015 Compliance Year Population		
2015		56,200
NOTES:		

SB X7-7 Table 4: Annual Gross Water Use *								
	Baseline Year *Fm SB X7-7 Table 3*	**Volume Into Distribution System** *Fm SB X7-7 Table(s) 4-A*	**Deductions**					**Annual Gross Water Use**
			Exported Water	Change in Dist. System Storage (+/-)	Indirect Recycled Water *Fm SB X7-7 Table 4-B*	Water Delivered for Agricultural Use	Process Water *Fm SB X7-7 Table(s) 4-D*	
10 to 15 Year Baseline - Gross Water Use								
Year 1	1996	8801	0	0	0	0	0	8,801
Year 2	1997	9413	0	0	0	0	0	9,413
Year 3	1998	10088	0	0	0	0	0	10,088
Year 4	1999	9441	0	0	0	0	0	9,441
Year 5	2000	9848	0	0	0	0	0	9,848
Year 6	2001	9000	0	0	0	0	0	9,000
Year 7	2002	9095	0	0	0	0	0	9,095
Year 8	2003	8652	0	0	0	0	0	8,652
Year 9	2004	9234	0	0	0	0	0	9,234
Year 10	2005	8536	0	0	0	0	0	8,536
Year 11	0	0			0		0	0
Year 12	0	0			0		0	0
Year 13	0	0			0		0	0
Year 14	0	0			0		0	0
Year 15	0	0			0		0	0
10 - 15 year baseline average gross water use								**6,141**
5 Year Baseline - Gross Water Use								
Year 1	2004	9,234	0	0	0	0	0	9,234
Year 2	2005	8,536	0	0	0	0	0	8,536
Year 3	2006	8,399	0	0	0	0	0	8,399
Year 4	2007	8,687	0	0	0	0	0	8,687
Year 5	2008	7,901	0	0	0	0	0	7,901
5 year baseline average gross water use								**8,551**
2015 Compliance Year - Gross Water Use								
2015		7,823	0	0	0	0	0	7,823

* NOTE that the units of measure must remain consistent throughout the UWMP, as reported in Table 2-3

NOTES:

SB X7-7 Table 4-A: Volume Entering the Distribution System(s)

Complete one table for each source.

Name of Source	Groundwater
This water source is:	
☑	The supplier's own water source
☐	A purchased or imported source

Baseline Year *Fm SB X7-7 Table 3*		Volume Entering Distribution System	Meter Error Adjustment* *Optional (+/-)*	Corrected Volume Entering Distribution System
10 to 15 Year Baseline - Water into Distribution System				
Year 1	1996	8801	0	8,801
Year 2	1997	9413	0	9,413
Year 3	1998	10088	0	10,088
Year 4	1999	9441	0	9,441
Year 5	2000	9848	0	9,848
Year 6	2001	9000	0	9,000
Year 7	2002	9095	0	9,095
Year 8	2003	8652	0	8,652
Year 9	2004	9234	0	9,234
Year 10	2005	8536	0	8,536
Year 11	0			0
Year 12	0			0
Year 13	0			0
Year 14	0			0
Year 15	0			0
5 Year Baseline - Water into Distribution System				
Year 1	2004	9234	0	9,234
Year 2	2005	8536	0	8,536
Year 3	2006	8399	0	8,399
Year 4	2007	8687	0	8,687
Year 5	2008	7901	0	7,901
2015 Compliance Year - Water into Distribution System				
2015		7,823	0	7,823

** Meter Error Adjustment - See guidance in Methodology 1, Step 3 of Methodologies Document*

NOTES:

SB X7-7 Table 4-B: Indirect Recycled Water Use Deduction *(For use only by agencies that are deducting indirect recycled water)*

Baseline Year *Fm SB X7-7 Table 3*		**Surface Reservoir Augmentation**					**Groundwater Recharge**			**Total Deductible Volume of Indirect Recycled Water Entering the Distribution System**
		Volume Discharged from Reservoir for Distribution System Delivery	Percent Recycled Water	Recycled Water Delivered to Treatment Plant	Transmission/ Treatment Loss	Recycled Volume Entering Distribution System from Surface Reservoir Augmentation	Recycled Water Pumped by Utility*	Transmission/ Treatment Losses	Recycled Volume Entering Distribution System from Groundwater Recharge	
10-15 Year Baseline - Indirect Recycled Water Use										
Year 1	1996			0		0			0	0
Year 2	1997			0		0			0	0
Year 3	1998			0		0			0	0
Year 4	1999			0		0			0	0
Year 5	2000			0		0			0	0
Year 6	2001			0		0			0	0
Year 7	2002			0		0			0	0
Year 8	2003			0		0			0	0
Year 9	2004			0		0			0	0
Year 10	2005			0		0			0	0
Year 11	0			0		0			0	0
Year 12	0			0		0			0	0
Year 13	0			0		0			0	0
Year 14	0			0		0			0	0
Year 15	0			0		0			0	0
5 Year Baseline - Indirect Recycled Water Use										
Year 1	2004			0		0			0	0
Year 2	2005			0		0			0	0
Year 3	2006			0		0			0	0
Year 4	2007			0		0			0	0
Year 5	2008			0		0			0	0
2015 Compliance - Indirect Recycled Water Use										
2015				0		0			0	0

**Suppliers will provide supplemental sheets to document the calculation for their input into "Recycled Water Pumped by Utility". The volume reported in this cell must be less than total groundwater pumped - See Methodology 1, Step 8, section 2.c.*

NOTES:

SB X7-7 Table 5: Gallons Per Capita Per Day (GPCD)				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Annual Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use (GPCD)
10 to 15 Year Baseline GPCD				
Year 1	1996	52,141	8,801	151
Year 2	1997	52,379	9,413	160
Year 3	1998	52,616	10,088	171
Year 4	1999	52,853	9,441	159
Year 5	2000	53,091	9,848	166
Year 6	2001	53,328	9,000	151
Year 7	2002	53,511	9,095	152
Year 8	2003	53,694	8,652	144
Year 9	2004	53,877	9,234	153
Year 10	2005	54,060	8,536	141
Year 11	0	0	0	
Year 12	0	0	0	
Year 13	0	0	0	
Year 14	0	0	0	
Year 15	0	0	0	
10-15 Year Average Baseline GPCD				**155**
5 Year Baseline GPCD				
Baseline Year *Fm SB X7-7 Table 3*		Service Area Population *Fm SB X7-7 Table 3*	Gross Water Use *Fm SB X7-7 Table 4*	Daily Per Capita Water Use
Year 1	2004	53,877	9,234	153
Year 2	2005	54,060	8,536	141
Year 3	2006	54,243	8,399	138
Year 4	2007	54,426	8,687	142
Year 5	2008	54,609	7,901	129
5 Year Average Baseline GPCD				**141**
2015 Compliance Year GPCD				
2015		56,200	7,823	124
NOTES:				

SB X7-7 Table 6: Gallons per Capita per Day *Summary From Table SB X7-7 Table 5*	
10-15 Year Baseline GPCD	155
5 Year Baseline GPCD	141
2015 Compliance Year GPCD	124
NOTES:	

SB X7-7 Table 7: 2020 Target Method *Select Only One*		
Target Method		Supporting Documentation
☐	Method 1	SB X7-7 Table 7A
☐	Method 2	SB X7-7 Tables 7B, 7C, and 7D *Contact DWR for these tables*
☑	Method 3	SB X7-7 Table 7-E
☐	Method 4	Method 4 Calculator
NOTES:		

SB X7-7 Table 7-A: Target Method 1 20% Reduction	
10-15 Year Baseline GPCD	2020 Target GPCD
155	124
NOTES:	

SB X7-7 Table 7-E: Target Method 3				
Agency May Select More Than One as Applicable	Percentage of Service Area in This Hydrological Region	Hydrologic Region	"2020 Plan" Regional Targets	Method 3 Regional Targets (95%)
☐		North Coast	137	130
☐		North Lahontan	173	164
☐		Sacramento River	176	167
☐		San Francisco Bay	131	124
☐		San Joaquin River	174	165
☐		Central Coast	123	117
☐		Tulare Lake	188	179
☐		South Lahontan	170	162
☑	100%	South Coast	149	142
☐		Colorado River	211	200
Target *(If more than one region is selected, this value is calculated.)*				**142**
NOTES:				

SB X7-7 Table 7-F: Confirm Minimum Reduction for 2020 Target			
5 Year Baseline GPCD *From SB X7-7 Table 5*	Maximum 2020 Target*	Calculated 2020 Target *Fm Appropriate Target Table*	Confirmed 2020 Target
141	134	142	134
** Maximum 2020 Target is 95% of the 5 Year Baseline GPCD*			
NOTES:			

SB X7-7 Table 8: 2015 Interim Target GPCD		
Confirmed 2020 Target *Fm SB X7-7 Table 7-F*	10-15 year Baseline GPCD *Fm SB X7-7 Table 5*	2015 Interim Target GPCD
134	155	145
NOTES:		

SB X7-7 Table 9: 2015 Compliance								
Actual 2015 GPCD	2015 Interim Target GPCD	Optional Adjustments *(in GPCD)*					2015 GPCD *(Adjusted if applicable)*	Did Supplier Achieve Targeted Reduction for 2015?
		Extraordinary Events	Weather Normalization	Economic Adjustment	TOTAL Adjustments	Adjusted 2015 GPCD		
124	145	*0*	*0*	*0*	0	124	124	YES
NOTES:								

APPENDIX G

Long Beach Judgment

Superior Court of the State of California
For the County of Los Angeles

BOARD OF WATER COMMISSIONERS OF THE CITY OF LONG BEACH, et al.,
Plaintiffs

vs.

SAN GABRIEL VALLEY WATER COMPANY, et al.,
Defendants

No. 722647

SETTLEMENT DOCUMENTS

STIPULATION FOR JUDGMENT
JUDGMENT
MAP OF WHITTIER NARROWS
ENGINEERING APPENDIX
REIMBURSEMENT CONTRACT

Approved by Joint Negotiating Committees July 6, 1964.

EXHIBIT NO. 7

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

BOARD OF WATER COMMISSIONERS OF THE CITY OF LONG BEACH, a municipal corporation; CENTRAL BASIN MUNICIPAL WATER DISTRICT, a municipal water district; and CITY OF COMPTON, a municipal corporation,

Plaintiffs,

vs.

SAN GABRIEL VALLEY WATER COMPANY, a corporation; AZUSA AGRICULTURAL WATER COMPANY, a corporation; AZUSA VALLEY WATER COMPANY, a corporation; CALIFORNIA WATER & TELEPHONE COMPANY, a corporation; THE COLUMBIA LAND AND WATER COMPANY, a corporation; COVINA IRRIGATING COMPANY, a corporation; CROSS WATER COMPANY, a corporation; DUARTE WATER COMPANY, a corporation; EAST PASADENA WATER CO. LTD., a corporation; GLENDORA IRRIGATING COMPANY, a corporation; SAN DIMAS WATER COMPANY, a corporation; SOUTHERN CALIFORNIA WATER COMPANY, a corporation; SUBURBAN WATER SYSTEMS, a corporation; SUNNY SLOPE WATER CO., a corporation; VALLECITO WATER CO., a corporation; CITY OF ALHAMBRA, a municipal corporation; CITY OF ARCADIA, a municipal corporation; CITY OF AZUSA, a municipal corporation; CITY OF COVINA, a municipal corporation; CITY OF EL MONTE, a municipal corporation; CITY OF GLENDORA, a municipal corporation; CITY OF MONROVIA, a municipal corporation; CITY OF MONTEREY PARK, a municipal corporation; CITY OF SOUTH PASADENA, a municipal corporation; BALDWIN PARK COUNTY WATER DISTRICT, a county water district; and SAN GABRIEL COUNTY WATER DISTRICT, a county water district,

Defendants,

UPPER SAN GABRIEL VALLEY MUNICIPAL WATER

NO. 722,647

STIPULATION FOR JUDGMENT

DISTRICT, a municipal water district, and CALIFORNIA DOMESTIC WATER COMPANY, a corporation,

Intervenors.

Plaintiffs Central Basin Municipal Water District, a municipal water district (herein sometimes referred to as Central Municipal); City of Long Beach, a municipal corporation, acting by and through the Board of Water Commissioners of the City of Long Beach; and City of Compton, a municipal corporation; and defendants City of Alhambra, a municipal corporation; City of Arcadia, a municipal corporation; City of Azusa, a municipal corporation; Azusa Agricultural Water Company, a corporation, sued herein as DOE 1; Azusa Valley Water Company, a corporation, for itself and as successor by merger to Azusa Irrigating Company, a corporation; Baldwin Park County Water District, a county water district; California Water and Telephone Company, a corporation; Columbia Land and Water Company, a corporation; City of Covina, a municipal corporation; Covina Irrigating Company, a corporation; Cross Water Company, a corporation, sued herein as DOE 2; Duarte Water Company (formerly Duarte Domestic Water Company), a corporation; East Pasadena Water Company, Ltd., a corporation, for itself and as successor by merger to California-Michigan Land and Water Company, a corporation; City of El Monte, a municipal corporation; City of Glendora, a municipal corporation; Glendora Irrigating Company, a corporation; City of Monrovia, a municipal corporation; City of Monterey Park, a municipal corporation; San Dimas Water Company, a corporation, sued herein as DOE 3; San Gabriel County Water District, a county water district; San Gabriel Valley Water Company, a corporation; Southern California Water Company, a corporation; City of South Pasadena, a municipal corporation; Suburban Water Systems, a corporation; Sunny Slope Water Company, a corporation; and Vallecito Water Company, a corporation; and

intervening defendant Upper San Gabriel Valley Municipal Water District, a municipal water district (herein sometimes referred to as Upper District); and intervening defendant California Domestic Water Company, a corporation; stipulate and agree as follows:

1. A Judgment in the form attached hereto as Exhibit I may be made and entered by the Court in the above-entitled action.

2. The following facts, considerations and objectives, among others, provide the basis for this Stipulation for Judgment:

(a) By their complaint plaintiffs seek a determination of the rights of the defendants, other than Upper District, in and to the waters of the San Gabriel River System and further seek to restrain defendants, other than Upper District, from an alleged interference with the rights of plaintiffs and persons represented by Central Municipal in and to said waters.

(b) At the present time, and for some time prior to the commencement of this action, the water supply of the San Gabriel River System has been inadequate to supply the diversions and extractions of both plaintiffs and defendants other than Central Municipal and Upper District but including the persons represented by Central Municipal and by Upper District, and as a result said diversions and extractions have exceeded, and still exceed, the natural replenishment of the water supply of the San Gabriel River System.

(c) The parties recognize and agree that the natural outflow from the San Gabriel Valley

to the Lower Area as defined in the Judgment has varied, and will vary from year to year, depending on the amount of precedent rainfall and other conditions.

(d) The parties recognize and agree that there is a need for a declaration of rights and a physical solution for the problems resulting from the inadequate and varying water supplies of the San Gabriel River System.

(e) The parties agree that the physical solution contained in said Judgment will bring about a fair division of the water of the San Gabriel River System as between plaintiffs and defendants other than Central Municipal and Upper District but including the persons represented by Central Municipal and by Upper District.

(f) The parties recognize that it may be necessary for defendants or some of them to use supplemental water in order to comply with the obligations imposed under said physical solution.

(g) Defendant Upper District is now a member unit of The Metropolitan Water District of Southern California, which will be supplied with water from sources in northern California under an existing contract with the State of California. Certain of the defendants not within the area of defendant Upper District are within the area of San Gabriel Valley Municipal Water District, which district also has contracted with the State of California for delivery of water from sources in northern California. It is anticipated that the

importation of this water will augment the natural supply of ground water within Upper Area as defined in the Judgment. Defendant Upper District intends to replenish the San Gabriel Valley with supplemental supplies.

3. The parties hereto hereby waive any and all Findings of Fact, Conclusions of Law, and any and all notice of the making or entry herein of the attached form of Judgment, and all rights of appeal, if any, from such Judgment.

4. Plaintiffs and defendants agree that during the period prior to entry of the attached form of Judgment, they will cooperate in endeavoring to collect such information as the Watermaster would obtain if the attached form of Judgment had been entered and the Watermaster had been appointed by the Court pursuant to paragraph 6 of the Judgment, which information is herein referred to as "said information." To that end, the parties hereto hereby agree that promptly following the complete execution of this stipulation by all parties, Upper District and Central Municipal shall each notify the other in writing as to the identity of the person who it expects will be nominated as the representative of Upper Area Parties or Lower Area Parties, as the case may be, under paragraph 6 of the Judgment. Upon receiving such notice, Upper District and Central Municipal shall each instruct its designated nominee that until the attached form of Judgment is entered and the Watermaster has been appointed pursuant to paragraph 6 of the Judgment he shall in cooperation with the other designated nominee do all things reasonably necessary to obtain such of said information as is available from the parties hereto or any public agency.

5. Judgment shall not be rendered pursuant hereto unless and until the execution of this stipulation by Central Basin Municipal Water District and by Upper San Gabriel Valley

Municipal Water District shall have been validated by a decree or decrees rendered in a proceeding or proceedings instituted in a court of competent jurisdiction of the State of California, and either such decree or decrees shall have become final or both of said Districts shall have further stipulated that said Judgment shall be rendered.

6. This stipulation may be executed in counterparts (each counterpart being an exact copy or duplicate of the original) and all counterparts collectively shall be considered as constituting one complete Stipulation for Judgment.

DATED: _____, 1964.

Attorneys (for the respective party listed opposite and to the right of the respective attorneys listed below)	Signature of Stipulating Party and Its Designation of Mailing Address
Leonard Putnam City Attorney Clifford E. Hayes Principal Deputy City Attorney City of Long Beach By _____	Board of Water Commissioners of the City of Long Beach By _____ Its _____ President By _____ Its _____ Secretary 1800 East Wardlow Road Long Beach 7, California
Burris & Lagerlof Stanley C. Lagerlof H. Jess Senecal Jack T. Swafford By _____	

Burris & Lagerlof Stanley C. Lagerlof H. Jess Senecal Jack T. Swafford By _____	Central Basin Municipal Water District By _____ Its President By _____ Its Secretary 7439 East Florence Avenue Downey, California
Lloyd A. Bulloch City Attorney City of Compton _____	City of Compton By _____ Its Mayor 205 South Willowbrook Avenue Compton, California
Burris & Lagerlof Stanley C. Lagerlof H. Jess Senecal Jack T. Swafford By _____	
Don D. Bercu City Attorney City of Alhambra _____	City of Alhambra By _____ Its Mayor City Hall 111 South First Street Alhambra, California
Taylor & Smith By _____	

James A. Nicklin
City Attorney
City of Arcadia

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

City of Arcadia

By _____

Its Mayor

City Hall
Arcadia, California

Harry C. Williams
City Attorney
City of Azusa

_____

Taylor & Smith

By _____

City of Azusa

By _____

Its Mayor

City Hall
213 East Foothill Boulevard
Azusa, California

Taylor & Smith

By _____

Azusa Agricultural Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

18352 East Foothill Boulevard
Azusa, California

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Azusa Valley Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

P. O. Box "W"
Azusa, California

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Baldwin Park County Water District

By _____

Its ____ President

By _____

Its _____ Secretary

14521 East Ramona Boulevard
Baldwin Park, California

Bacigalupi, Elkus &
Salinger

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

California Water & Telephone
Company

By _____

Its ____ President

By _____

Its _____ Secretary

300 Montgomery Street
San Francisco, California

Allard, Shelton & O'Connor

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Columbia Land & Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

P. O. Box 296
San Dimas, California

Allard, Shelton & O'Connor

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Kerckhoff & Kerckhoff

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

George C. Gillette

_____

Henry W. Shatford
Shatford & Shatford

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

City of Covina

By _____

Its Mayor

City Hall
Covina, California

Covina Irrigating Company

By _____

Its ____ President

By _____

Its _____ Secretary

146 East College Street
Covina, California

Cross Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

15825 East Main Street
La Puente, California

Duarte Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

1101 South Oak Avenue
Duarte, California

Gray & Maddox

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

James A. Nicklin
City Attorney
City of El Monte

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Leonard A. Shelton
City Attorney
City of Glendora

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

East Pasadena Water Company, Ltd.

By _____

Its ____ President

By _____

Its _____ Secretary

269 South Rosemead
Pasadena, California

City of El Monte

By _____

Its Mayor

City Hall
El Monte, California

City of Glendora

By _____

Its Mayor

City Hall
Glendora, California

Allard, Shelton & O'Connor

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Glendora Irrigating Company

By _____

Its ____ President

By _____

Its _____ Secretary

224 North Michigan Avenue
Glendora, California

Homer H. Bell
City Attorney
City of Monrovia

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

City of Monrovia

By _____

Its Mayor

City Hall
Monrovia, California

Charles R. Martin
City Attorney
City of Monterey Park

_____

Taylor & Smith

By _____

City of Monterey Park

By _____

Its Mayor

City Hall
320 West Newmark Avenue
Monterey Park, California

Allard, Shelton & O'Connor

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

San Dimas Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

P. O. Box 181
San Dimas, California

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

San Gabriel County Water District

By _____

Its ____ President

By _____

Its _____ Secretary

8229 East Las Tunas Drive
San Gabriel, California

J. E. Skelton

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

San Gabriel Valley Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

11142 Garvey Avenue
El Monte, California

O'Melveny & Myers

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Charles R. Martin
City Attorney
City of South Pasadena

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Frank E. Gray

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Hahn & Hahn

By _____

Southern California Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

11911 South Vermont Avenue
Los Angeles 44, California

City of South Pasadena

By _____

Its Mayor

825 Mission Street
South Pasadena, California

Suburban Water Systems

By _____

Its ____ President

By _____

Its _____ Secretary

16340 East Maplegrove Street
La Puente, California

Sunny Slope Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

1040 El Campo Drive
Pasadena, California

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Stearns, Gross and Moore

By _____

Ralph B. Helm

_____

Vallecito Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

749 South Ninth Avenue
City of Industry, California

California Domestic Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

P. O. Box 1026, Perry Annex
Whittier, California

Upper San Gabriel Valley
Municipal Water District

By _____

Its ____ President

By _____

Its _____ Secretary

11229 East Valley Boulevard
El Monte, California

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

BOARD OF WATER COMMISSIONERS OF THE CITY OF LONG BEACH, a municipal corporation; CENTRAL BASIN MUNICIPAL WATER DISTRICT, a municipal water district; and CITY OF COMPTON, a municipal corporation,

Plaintiffs,

vs.

SAN GABRIEL VALLEY WATER COMPANY, a corporation; AZUSA AGRICULTURAL WATER COMPANY, a corporation; AZUSA VALLEY WATER COMPANY, a corporation; CALIFORNIA WATER & TELEPHONE COMPANY, a corporation; THE COLUMBIA LAND AND WATER COMPANY, a corporation; COVINA IRRIGATING COMPANY, a corporation; CROSS WATER COMPANY, a corporation; DUARTE WATER COMPANY, a corporation; EAST PASADENA WATER CO. LTD., a corporation; GLENDORA IRRIGATING COMPANY, a corporation; SAN DIMAS WATER COMPANY, a corporation; SOUTHERN CALIFORNIA WATER COMPANY, a corporation; SUBURBAN WATER SYSTEMS, a corporation; SUNNY SLOPE WATER CO., a corporation; VALLECITO WATER CO., a corporation; CITY OF ALHAMBRA, a municipal corporation; CITY OF ARCADIA, a municipal corporation; CITY OF AZUSA, a municipal corporation; CITY OF COVINA, a municipal corporation; CITY OF EL MONTE, a municipal corporation; CITY OF GLENDORA, a municipal corporation; CITY OF MONROVIA, a municipal corporation; CITY OF MONTEREY PARK, a municipal corporation; CITY OF SOUTH PASADENA, a municipal corporation; BALDWIN PARK COUNTY WATER DISTRICT, a county water district; and SAN GABRIEL COUNTY WATER DISTRICT, a county water district,

Defendants,

UPPER SAN GABRIEL VALLEY MUNICIPAL WATER

NO. 722,647

JUDGMENT

Exhibit I

DISTRICT, a municipal water district, and CALIFORNIA DOMESTIC WATER COMPANY, a corporation,

Intervenors.

The original complaint herein was filed by Plaintiffs on May 12, 1959, and an amended complaint was filed herein on June 8, 1961. Each Defendant in this action filed an answer to the amended complaint denying the material allegations therein. On _____, 1964, and _____, 1964, respectively, Upper San Gabriel Valley Municipal Water District, a municipal water district, and California Domestic Water Company, a corporation, intervened in the action as Defendants. On _____, 1964, there was filed herein a Stipulation for Judgment signed by all of the parties to this action.

After due examination and consideration of the pleadings, said Stipulation for Judgment and other documents and papers on file herein, it appears to the Court that:

(a) In bringing and maintaining this action, plaintiff Central Basin Municipal Water District, a municipal water district, has done so as a representative of and for the benefit of all owners of water rights within, all owners of land within, and all inhabitants of, the district, except to the extent that defendant California Domestic Water Company is representing itself.

(b) In intervening in this action, defendant Upper San Gabriel Valley Municipal Water District, a municipal water district, has done so as representative of and for the benefit of all owners of water rights within, all owners of land within, and all inhabitants of, the district, except to the extent that other Defendants who are within the district are representing themselves.

(c) There is a need for a physical solution to the complex water problems which have given rise to this action.

(d) The physical solution embodied in this Judgment is a feasible, equitable and just resolution of the issues presented by the amended complaint and answers thereto on file herein, and it will bring about a fair division of the water supply of the San Gabriel River System between Upper Area and Lower Area, as those terms are hereinafter defined.

(e) On the basis of the Stipulation for Judgment filed herein and the consent of all Plaintiffs and Defendants it is in the interests of justice and in furtherance of the water policy of the State of California to proceed without trial and to make and enter this Judgment.

Now, therefore, it is hereby ORDERED, ADJUDGED AND DECREED:

JURISDICTION 1. The Court has jurisdiction of the subject matter of this action and of the Upper Area Parties and Lower Area Parties, as those terms are hereinafter defined.

EXHIBITS 2. The following Exhibits marked A and B, are attached to this Judgment and made a part hereof:

(a) Exhibit A -- Map entitled "Rio Hondo and San Gabriel River in Vicinity of Whittier Narrows Dam".

(b) Exhibit B -- Engineering Appendix.

DEFINITIONS 3. As used in this Judgment, the following terms shall have the meanings assigned to them:

(a) Central Municipal -- Central Basin Municipal Water District.

(b) Upper District -- Upper San Gabriel Valley Municipal Water District.

(c) Lower Area Parties -- the Plaintiffs, and

all persons, firms and corporations, public or private, who are represented by Central Municipal.

(d) Upper Area Parties -- the Defendants, and all persons, firms and corporations, public or private, who are represented by Upper District.

(e) Upper Area -- the area (exclusive of the Raymond Basin and the portion of San Gabriel Mountains tributary thereto) wherein surface and subsurface waters are tributary to Whittier Narrows upstream from the common boundary of Upper District and Central Municipal through Whittier Narrows.

(f) Lower Area -- the area which lies downstream from the common boundary of Central Municipal and Upper District through Whittier Narrows and which is included within the incorporated limits of the Plaintiffs.

(g) Whittier Narrows -- a gap between Merced Hills and Puente Hills shown on Exhibit A.

(h) Montebello Forebay -- the area designated as such on Exhibit A.

(i) Export to Lower Area -- water diverted from surface streams in Upper Area or pumped or developed from underground sources in Upper Area, and in either case conveyed by conduit through Whittier Narrows.

(j) Subsurface Flow -- all water which passes as ground water through Whittier Narrows at the "narrowest section" as shown on Exhibit A.

(k) Surface Flow -- all water other than Export to Lower Area and Subsurface Flow, which passes from Upper Area to Lower Area through Whittier Narrows.

(l) Usable Water -- all Surface Flow, Subsurface Flow and Export to Lower Area, but excluding:

(1) that portion of Surface Flow, if any, which crosses the southerly boundary of Montebello Forebay as surface runoff less the amount of Surface Flow which has been caused to flow out of Montebello Forebay as surface runoff by any spreading of water in Montebello Forebay by or on behalf of Lower Area Parties, or any of them;

(2) water imported by or on behalf of Lower Area Parties from outside of the watershed of the San Gabriel River System;

(3) Reclaimed Water, as defined in subparagraph (o) herein, provided, however, that Reclaimed Water (other than that reclaimed by or on behalf of Lower Area Parties) which is percolated and commingled with ground water in Upper Area shall be deemed Subsurface Flow, Surface Flow, or Export to Lower Area as the case may be, when and if it passes through Whittier Narrows;

(4) that portion, if any, of Export to Lower Area which in any Water Year after September 30, 1966, exceeds 23,395 acre-feet;

(5) Make-up Water, as defined in subparagraph (m) herein; and

(6) any water whether flowing on the surface or beneath the surface of the ground which has passed any of the points of surface measurement in Whittier Narrows shown on Exhibit B and prior to its passing from Upper Area to Lower Area is intercepted and returned upstream by conduit or otherwise so that it could again pass any such points of measurement.

(m) Make-up Water -- water of usable quality for ground water recharge required to be delivered to Lower Area under terms of paragraph 5 of this Judgment.

(n) Water Year -- October 1 through the following September 30.

(o) Reclaimed Water -- water reclaimed from sewage generated in the watershed of the San Gabriel River System above Whittier Narrows.

DECLARATION OF RIGHT

4. Lower Area Parties have rights in the water supply of the San Gabriel River System. The nature and extent of such rights is not known; however, Lower Area Parties and all other persons downstream from Whittier Narrows who receive water from the San Gabriel River System or have rights in and to such water, shall have, as against Upper Area Parties and all other pumpers of water in the San Gabriel Valley, a right to receive from Upper Area an average annual usable supply of ninety-eight thousand four hundred fifteen (98,415) acre-feet of water over a long-term period of normal rainfall derived as set forth in Exhibit B, consisting

of Surface Flow, Subsurface Flow, Export to Lower Area and Make-up Water. If in the future a court of competent jurisdiction shall decree that any person downstream from Whittier Narrows within Central and West Basin Water Replenishment District who is not bound by this Judgment, shall have, as against Upper Area Parties and substantially all other pumpers in the San Gabriel Valley, a right to receive from Upper Area a stated amount of usable supply consisting of Surface Flow, Subsurface Flow, Export to Lower Area or Make-up Water, which right arose out of and is based upon the ownership of land or the production of water downstream from Whittier Narrows and within Central and West Basin Water Replenishment District, then and in that event the stated amount of such right so decreed shall not increase the declared rights as set forth in this paragraph 4.

PHYSICAL SOLUTION

5. In recognition of the complexities of annual supply and demand and variations in the components thereof, the Court hereby declares the following physical solution to be a fair and equitable basis for satisfaction of the declared right set forth in paragraph 4 hereof. Compliance with this paragraph 5 shall constitute full and complete satisfaction of said declared right.

AVERAGE ANNUAL ENTITLEMENT

(a) It is determined that the amount of Lower Area average annual entitlement to Usable Water is ninety-eight thousand four hundred fifteen (98,415) acre-feet.

BASIS OF ANNUAL ENTITLEMENT

(b) The outflow of water from Upper Area through Whittier Narrows to Lower Area has

varied from year to year and will vary from year to year in the future depending on changing conditions of supply and demand; and as to any Water Year, the average annual rainfall for the San Gabriel Valley during the ten (10) consecutive Water Years ending with that Water Year, is a reasonable basis for determining the entitlement of Lower Area to Usable Water for such Water Year.

DETERMINATION OF RAINFALL

(c) The rainfall in each Water Year for the San Gabriel Valley shall be determined by application of the procedures described in Exhibit B.

RAINFALL ADJUSTMENT TABLE

(d) The quantity of water which Lower Area is entitled to receive in any Water Year (hereinafter called Lower Area Annual Entitlement) shall be determined in accordance with the following table, except that no determination of Lower Area Annual Entitlement shall be made for the last year of any Long-term Accounting Period as hereinafter defined.

TABLE A

LOWER AREA ANNUAL ENTITLEMENT
BASED ON 10-YEAR AVERAGE RAINFALL
FOR SAN GABRIEL VALLEY

(In Acre-feet)

Inches of Rain-fall	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
14	64,200	64,900	65,700	66,500	67,200	68,000	68,700	69,500	70,300	71,100
15	71,800	72,600	73,400	74,100	74,900	75,600	76,400	77,200	77,900	78,700
16	79,500	80,200	81,000	81,800	82,600	83,300	84,000	84,800	85,600	86,400
17	87,100	87,900	88,700	89,400	90,200	91,000	91,500	92,500	93,200	94,000
18	94,800	95,300	96,200	96,900	97,600	98,300	98,800	99,500	100,100	100,800
19	101,400	102,000	102,700	103,300	103,900	104,500	105,100	105,700	106,300	107,000
20	107,600	108,200	108,800	109,400	110,100	110,700	111,300	111,900	112,500	113,100
21	113,700	114,300	115,000	115,600	116,200	116,800	117,400	118,100	118,600	119,300
22	119,900	120,400	121,000	121,600	122,200	122,700	123,300	123,900	124,400	125,000
23	125,500	126,100	126,700	127,200	127,800	128,400	128,900	129,500	130,100	130,600
24	131,200	131,700	132,200	132,700	133,100	133,700	134,100	134,700	135,100	135,600

DETERMINATION OF ACCRUED DEBIT OR CREDIT

(e) The difference between the aggregate of water entitlements determined as provided in this Judgment and the aggregate of Usable Water and delivered Make-up Water shall be computed as of the end of each Water Year. Any excess of water entitlements over the quantity of Usable Water and Make-up Water received by Lower Area after September 30, 1963, is hereinafter referred to as Accrued Debit of Upper Area. Any excess of Usable Water and Make-up Water received by Lower Area after September 30, 1963, over water entitlements, is hereinafter referred to as Accrued Credit of Upper Area.

ACCRUED DEBIT

(f) If at the end of any Water Year it is determined pursuant to subparagraph (e) of this paragraph 5 that there is an Accrued Debit of Upper Area, then Upper District shall cause Make-up Water to be delivered to Lower Area during the following Water Year in an amount not less than the sum of (1) one-third of such Accrued Debit of Upper Area, and (2) that portion, if any, of such Accrued Debit of Upper Area over 25,000 acre-feet which remains after deducting said one-third. If Upper District shall fail to deliver Make-up Water as next above provided and Plaintiffs shall have diligently pursued their legal and equitable remedies to cause Upper District to so deliver, and either: (1) it shall be finally determined that Upper District is not obligated to so deliver, or (2) it shall appear that Upper District will not thereafter deliver Make-up Water, then Defendants and any successor or successors in interest by title to a Defendant's water right in Upper Area shall be obligated to so deliver Make-up Water. The provisions of this paragraph are subject to the provisions of paragraph 5(h) below.

ACCRUED CREDIT

(g) If at the end of any Water Year it is determined pursuant to subparagraph (e) of this paragraph 5 that there is an Accrued Credit of Upper Area, then there shall be no obligation to deliver Make-up Water to Lower Area during the following Water Year.

LONG-TERM ACCOUNTING

(h) Following September 30, 1963, a Long-term Accounting shall be made from time to time but not sooner than at the end of 15 Water Years, nor later than 25 Water Years after September 30, 1963, or after the last such accounting, whichever is later. A Long-term Accounting shall be made sooner than said 25-year period whenever the average annual rainfall in the San Gabriel Valley for a period of 15 Water Years or more after September 30, 1963, or after the last such accounting, whichever is later, is at least 18 inches but not more than 19 inches.

In making such Long-term Accounting for any such period (herein called Long-term Accounting Period), the aggregate of all Usable Water and Make-up Water received by Lower Area during such period shall be determined and (a) there shall be deducted from said aggregate the amount of Make-up Water, if any, delivered during such period by reason of the existence of an Accrued Debit of Upper Area at the end of the immediately preceding Long-term Accounting Period, or (b) there shall be added to said aggregate the amount of any Accrued Credit of Upper Area determined to exist at the end of the immediately preceding Long-term Accounting Period. The net aggregate amount of Usable Water and Make-up Water so computed shall be compared to the result to be obtained by (1) multiplying the 98,415 acre-feet of water to be received by

Lower Area as its average annual usable supply by the number of Water Years in the Long-term Accounting Period, and (2) adjusting the product by the percentage by which the average annual rainfall (to the nearest one hundredth of an inch) for the Long-term Accounting Period involved exceeds or is less than 18.52 inches. (i.e.:

$$98{,}415 \times (\text{number of Water Years in Period}) \times \left(\frac{\text{average rainfall for the Period}}{18.52}\right).)$$

If as a result of such comparison it is determined that there is a deficiency in the net aggregate amount of Usable Water and Make-up Water received during the Long-term Accounting Period, then such deficiency shall be compensated in the following Water Year by delivery of Make-up Water to Lower Area in the manner and by the means provided herein. If it is determined as a result of such comparison that there is an excess of net aggregate Usable Water and Make-up Water received, then the amount of such excess shall be carried forward as an Accrued Credit of Upper Area.

MAKE-UP WATER DELIVERY

(i) Make-up Water which Defendants are obligated to deliver through Upper District may be delivered by any one or more of the following means:

SURFACE FLOW DELIVERY

(1) By causing water other than Reclaimed Water to flow on the surface into Montebello Forebay by any means and from any source, provided that such deliveries shall

be at such rates or flows and at such times as may be scheduled by the Watermaster.

RECLAIMED WATER CREDIT

(2) By paying to Central Municipal for the benefit of all Lower Area Parties the total amount or any portion of the total amount which Central and West Basin Water Replenishment District or any Plaintiff shall have expended in reclaiming water or for the purchase of Reclaimed Water in the preceding Water Year, and which water when so reclaimed or purchased shall have been passed through Whittier Narrows to Lower Area. Upon written request made by Upper District not later than three months after the end of a Water Year, Central Municipal shall give a written notice to Upper District and the Watermaster of the total number of acre-feet of such Reclaimed Water so reclaimed or purchased during the preceding Water Year and of the cost per acre-foot therefor at the existing Whittier Narrows Water Reclamation Plant for reclamation of waste water, and at any future additions thereto, and payment therefor at said cost, or costs, may be made not later than one year after receipt of such written notice. Such payment shall be made for the total production of Reclaimed Water from the existing plant in the preceding Water Year before Upper District shall be entitled to make payment for all, or any portion of,

Reclaimed Water produced in that year by any future addition to that plant. Such payment by Upper District on behalf of Defendants shall be deemed a delivery of Make-up Water equal to the quantity of Reclaimed Water for which the expenditure of a like sum would have paid at the cost, or costs, per acre-foot so paid for such Reclaimed Water. In no event, however, shall any payment by Upper District under this subparagraph (i)(2) be deemed a delivery of Make-up Water in excess of 14,735 acre-feet in any Water Year during which the amount of Make-up Water required to be furnished by Upper Area is available to it at ground water replenishment rates for delivery to Lower Area, except with the prior written consent of Plaintiffs.

DIRECT DELIVERY

(3) By delivering, or causing to be delivered, water to any of Lower Area Parties with consent of Plaintiffs for use in Lower Area.

WATER RIGHTS BOUND

(j) It is further determined and adjudicated that the obligations provided above in subparagraphs (f) and (h) of this paragraph 5 for each Defendant shall constitute and be a servitude upon the existing water rights of each Defendant in and to the water supply of the San Gabriel River System upstream from Lower Area and shall run with and forever bind said water rights for the benefit of the water

rights of Lower Area Parties.

TRANSFER OF WATER RIGHTS

(k) If any Defendant, other than Upper District, shall desire to transfer all or any of its said water rights to a person, firm or corporation, public or private, who or which is not then bound by this Judgment as a Defendant, such Defendant shall as a condition to being discharged as hereinafter provided cause such transferee to appear in this action and file a valid and effective express assumption of the obligations imposed upon such Defendant under this Judgment as to such transferred water rights. Such appearance and assumption of obligations shall include the filing of a designation of the address to which shall be mailed all notices, requests, objections, reports and other papers permitted or required by the terms of this Judgment.

If any Defendant shall have transferred all of its said water rights and each transferee not theretofore bound by this Judgment as a Defendant shall have appeared in this action and filed a valid and effective express assumption of the obligations imposed upon such Defendant under this Judgment as to such transferred water rights, such transferring Defendant shall thereupon be discharged from all obligations hereunder. If any Defendant other than Upper District shall cease to own any rights in and to the water supply of the San Gabriel River System upstream from Lower Area, and shall have caused the appearance

and assumption provided for in the third preceding sentence with respect to each voluntary transfer, then upon application to this Court and after notice and hearing such Defendant shall thereupon be relieved and discharged from all further obligations hereunder. Any such discharge of any Defendant hereunder shall not impair the aggregate rights of Lower Area Parties or the responsibility hereunder of the remaining Defendants or any of the successors.

WATERMASTER PROVISIONS

WATERMASTER APPOINTMENT

6. A Watermaster comprised of three persons to be nominated as hereinafter provided shall be appointed by and serve at the pleasure of and until further order of this Court. One shall be a representative of Upper Area Parties nominated by and through Upper District, one shall be a representative of Lower Area Parties nominated by and through Central Municipal, and one shall be jointly nominated by Upper District and Central Municipal. If a dispute arises in choosing the joint appointee, the Court shall make the appointment. If Central Municipal or Upper District shall at any time or times nominate a substitute appointee in place of the appointee last appointed to represent Lower Area Parties, in the case of Central Municipal, or to represent Upper Area Parties, in the case of Upper District, or if Central Municipal and Upper District shall at any time or times jointly nominate a substitute appointee in place of the joint appointee last appointed,

such substitute appointee shall be appointed by the Court in lieu of such last appointee or joint appointee. Each such nomination shall be made in writing, served upon the other parties to this action and filed with the Court. The Watermaster when so appointed shall administer and enforce the provisions of this Judgment and the instructions and subsequent orders of this Court.

POWERS AND DUTIES

7. The Watermaster shall have the following powers and duties and shall take all steps necessary to make the following determinations for each Water Year promptly after the end of such Water Year:

(a) the amount of Surface Flow,

(b) the amount of Subsurface Flow,

(c) the amount of Export to Lower Area,

(d) the amount of water which passed as Surface Flow or Subsurface Flow across the boundary between Upper Area and Lower Area through Whittier Narrows and which was imported by or on behalf of Lower Area Parties from outside of the watershed of the San Gabriel River System above Whittier Narrows,

(e) the amount and quality of Reclaimed Water reclaimed by or on behalf of Lower Area,

(f) the total amount of Make-up Water delivered to Lower Area, together with the respective amounts delivered by each method specified in paragraph 5 of this Judgment,

(g) the amount of Usable Water received by Lower Area,

(h) the amount of local storm inflow, originating in Lower Area, to the channel of

each of Rio Hondo and San Gabriel River within Montebello Forebay,

(i) the surface outflow from Montebello Forebay in the channel of each of the Rio Hondo and San Gabriel River,

(j) the number of inches of depth of average rainfall in the San Gabriel Valley,

(k) the average annual rainfall in the San Gabriel Valley for the ten consecutive Water Years just ended,

(l) Lower Area Annual Entitlement or the entitlement for the Long-term Accounting Period, determined pursuant to subparagraph (d) or (h), respectively, of paragraph 5 of this Judgment,

(m) Accrued Debit of Upper Area, if any, or Accrued Credit of Upper Area, if any, as it exists at the end of such Water Year, and

(n) the amount, if any, of Make-up Water which Upper District is obligated to deliver during the following Water Year.

DETERMINATIONS TO BE BASED ON EXHIBIT B

8. Each of the above required determinations shall be based on and conform to the procedures specified in this Judgment and in Exhibit B insofar as said exhibit provides a procedure.

REPORTS MEASUREMENTS AND DATA

9. The Watermaster shall report to the Court and to each party in writing at the same time and not more than five months after the end of each Water Year the determinations required by paragraph 7 above.

The Watermaster shall cause to be installed and maintained in good working order such measuring

devices in Whittier Narrows and elsewhere as are necessary or required and not otherwise available for the making of the determinations required by paragraph 7 above.

The Watermaster shall collect and assemble from each of the parties, and the parties shall make available to the Watermaster, such records, reports and other data as may reasonably be required in the making of the determinations required of the Watermaster under paragraph 7 above. All records, reports and data received, maintained or compiled by the Watermaster shall be open to inspection by any party or its representative.

OBJECTIONS

10. Any party who objects to any determination made by the Watermaster pursuant to paragraph 7 above, may make such objection in writing to the Watermaster within thirty (30) days after the Watermaster gives the required written notice of such determination. Within thirty (30) days after expiration of the time within which objection may be made to such determination, the Watermaster shall consider all objections thereto and shall amend, modify or affirm the determination and give notice thereof at the same time to all parties and shall file a copy of such final determination with the Court. If the Watermaster denies any objection in whole or in part, the party whose objection was so denied may within thirty (30) days after service of the final determination upon it, make written objection to such denial by filing its objections with the Court after first mailing a copy of such objections to the

Watermaster and to each party, and such party shall bring its objections on for hearing before the Court upon notice and motion and at such time as the Court may direct. If the Watermaster shall change or modify any determination, then any party may within fifteen (15) days after service of such final determination upon it object to such change or modification by following the procedure prescribed above in the case of a denial of an objection to the first determination. If objection to a final determination is filed with the Court as herein provided and brought on for hearing, then such final determination may be confirmed or modified in whole or in part as the Court may deem proper.

CHANGE IN METHOD OF MEASUREMENT

11. If the Watermaster shall deem it advisable to make a change in the method of making any measurement required under the terms of this Judgment, the Watermaster shall notify all parties of such proposed change, and if within sixty (60) days of such notification no party shall file written objections to such change with the Watermaster, the Watermaster may put such proposed change into effect. If, however, any party files its written objection to the proposed change, it shall by notice of motion filed not later than fifteen (15) days after the expiration of said 60-day period and served on the Watermaster and all parties bring its objection on for hearing before the Court at such time as the Court may direct, and the Court shall rule on whether the Watermaster may make such proposed change.

BUDGET

12. In addition to the above-specified administrative powers and duties, the Watermaster shall prepare a tentative budget for each Water Year, stating the estimated expense for discharging the duties of the Watermaster set forth in this Judgment. The Watermaster shall mail a copy of the tentative budget to each of the parties at the same time at least sixty (60) days before the beginning of each Water Year. However, with respect to the first Water Year following the entry of this Judgment, the tentative budget shall be mailed not later than one hundred and twenty (120) days from the entry of this Judgment. If any party has an objection to a tentative budget, or any suggestions with respect thereto, that party shall present the same in writing to the Watermaster within fifteen (15) days after service of the tentative budget upon it. If no objections are received, the tentative budget shall become the final budget. If objections to the tentative budget are received, the Watermaster shall, within fifteen (15) days after the expiration of the time for presenting objections, consider all such objections, prepare a final budget, and mail a copy thereof to each party, together with a statement of the amount assessed, if any, to each party, computed as provided in paragraph 13. If the Watermaster denies any objection in whole or in part, the party whose objection was so denied may, within fifteen (15) days after service of the final budget upon it, make written objection to such denial by filing

its objections with the Court after first mailing a copy of such objections to each party, and such party shall bring its objections on for hearing before the Court upon notice and motion and at such time as the Court may direct. If the Watermaster makes a change in the tentative budget, then any party may within fifteen (15) days after service of the final budget upon it object to any such change by following the procedure prescribed above in the case of a denial of an objection to the tentative budget. If objection to the final budget is filed with the Court as herein provided and brought on for hearing, then such final budget may be confirmed or adjusted in whole or part as the Court may deem proper.

FEES AND EXPENSES

13. The fees, compensation and expenses of the Watermaster hereunder shall be borne by the parties in the following proportions: 50% by Upper District, 41.2% by Central Municipal, 7.125% by the City of Long Beach, and 1.675% by the City of Compton, or such other division among the Plaintiffs as they may agree upon in writing and file with the Watermaster.

Payment of the amount assessed to a party, whether or not subject to adjustment by the Court as provided in paragraph 12, shall be paid on or prior to the beginning of the Water Year to which the final budget and statement of assessed costs is applicable. If such payment by any party is not made on or before said date, the Watermaster shall add a penalty of 5% thereof to such party's

statement. Payment required of any party hereunder may be enforced by execution issued out of this Court, or as may be provided by order hereinafter made by this Court. All such payments and penalties received by the Watermaster shall be expended by him for the administration of this Judgment. Any money remaining at the end of any Water Year shall be available for use in the following Water Year.

SUCCESSOR OF UPPER DISTRICT

14. If a public agency or district shall be formed hereafter which shall include the present area of Upper District and shall have ability equal to or greater than that which Upper District now has to perform the obligations under this Judgment, and shall appear in this action and file a valid and effective assumption of such obligations, then Upper District upon application to this Court, and after notice and hearing, shall thereupon be relieved and discharged from all further obligations hereunder.

CONTINUING JURISDICTION OF THE COURT

15. Full jurisdiction, power and authority is retained and reserved by the Court for the purpose of enabling the Court upon application of any party by motion and upon at least thirty (30) days notice thereof, and after hearing thereon (i) to make such further or supplemental orders or directions as may be necessary or appropriate for the construction, enforcement or carrying out of this Judgment, and (ii) to modify, amend or amplify any of the provisions of this Judgment whenever substantial developments affecting the physical, hydrological or other conditions dealt

with herein may, in the Court's opinion, justify or require such modification, amendment or amplification.

If at any time Plaintiffs and at least two-thirds of the Defendants including any two of the cities of Alhambra, Azusa and Monterey Park, shall file with the Court a written stipulation (i) that henceforth in determining any one or more of the component parts of Usable Water received by Lower Area in any Water Year, the Watermaster shall not use the method specified in this Judgment but shall use instead a new, different or altered method as specified and described in such stipulation, and (ii) that such new, different or altered method or methods shall be applied to redetermine the average annual amount of Usable Surface Flow, Subsurface Flow and Export to Lower Area which Lower Area received each Water Year during the period October 1, 1934 to September 30, 1959, referred to as the base period, and that on the basis of such redetermination the Court may modify paragraphs 4 and 5 of this Judgment to establish a new and different water entitlement and yearly adjustment thereto which shall thereafter control, then and in that event, after hearing pursuant to motion and notice to all parties, held at such time as the Court may direct, the Court may deny the motion or it may grant it and (a) approve the future use of the stipulated new, different or altered method or methods, by the Watermaster, and (b) by use of the stipulated new, different or altered method or

methods, redetermine the average annual amount of Usable Surface Flow, Subsurface Flow and Export to Lower Area received each Water Year during the base period, and on the basis thereof modify paragraphs 4 and 5 of this Judgment to provide for a new and different water entitlement and yearly adjustment thereto, which modifications shall be effective and control commencing with the Water Year following the entry of the order so modifying paragraphs 4 and 5.

REPORT OF TRANSFER OF WATER RIGHTS

16. Every transfer of any of those water rights of Defendants which are the subject of Paragraph 5(j) of this Judgment, whether such transfer is voluntary or involuntary, shall be reported promptly in writing by the transferor to the Watermaster; and the Watermaster shall give prompt written notice of such transfer to each party and to each transferee involved in every other transfer of any of those water rights. Such report by the transferor and notice by the Watermaster shall contain the following information as to each such transfer:

(a) The identity of the transferor;

(b) The identity of the transferee;

(c) The effective date of the transfer;

(d) A brief description of the document by which such transfer is made, and the recording data, if any;

(e) A statement as to whether the transfer was voluntary or involuntary;

(f) A statement whether or not after such transfer the transferor still has or

claims to have any of the water rights which are the subject of Paragraph 5(j) of this Judgment.

NOTICES

17. All notices, requests, objections, reports and other papers permitted or required by the terms of this Judgment shall be given or made by written document and shall be served by mail on each party and on each transferee of water rights who has appeared and filed the assumption of obligations required by paragraph 5(k) of this Judgment, and where required or appropriate, on the Watermaster. For all purposes of this paragraph the mailing address of each party shall be that set forth below its signature to the Stipulation for Judgment, and the mailing address of each transferee of water rights shall be that set forth in the appearance and assumption of obligations required by paragraph 5(k) of this Judgment, until changed as provided below. No further notice of any kind as to any matter arising hereunder, including notice to attorneys of record for any party or such transferee, need be given, made or served.

If any party or any such transferee of water rights shall desire to change its designation of mailing address, it shall file a written notice of such change with the clerk of this court and shall serve a copy thereof by mail on the Watermaster. Upon the receipt of any such notice the Watermaster shall promptly give written notice thereof to each party and to each transferee of water rights.

EFFECTIVE DATE

18. The rights decreed and the obligations imposed by this Judgment shall be effective October 1, 1963, and shall accrue from that date.

COSTS

19. None of the parties shall recover any costs from any other party.

Dated: _____, 1964.

_____
Judge

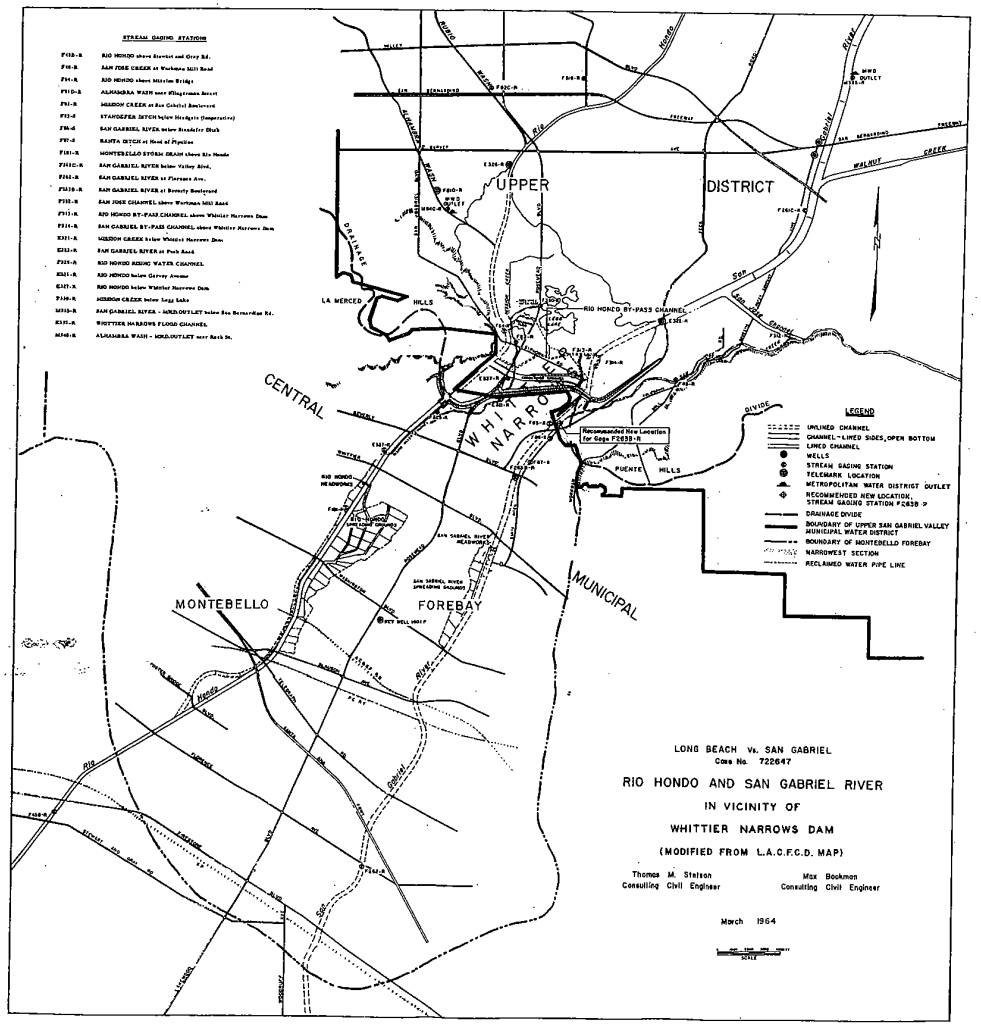


EXHIBIT A

LONG BEACH v. SAN GABRIEL

ENGINEERING APPENDIX

EXHIBIT B

ENGINEERING APPENDIX

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ENGINEERING APPENDIX

INTRODUCTION

Pursuant to the declaration of rights contained in paragraph 4 of the Judgment and the physical solution contained in paragraph 5 of the Judgment, the purpose of this exhibit is to establish the basis for calculations and measurements to provide for operation of the Judgment in the future.

Unless otherwise provided in this exhibit, all terms used herein are used in the same sense as defined or used in the Judgment.

The derivation of the Lower Area average annual entitlement is based upon the data presented herein covering the base period. However, if a more accurate method of determining Subsurface Flow is developed at some future time, it will be acceptable for use in carrying out the terms of this Judgment so long as it can also apply to the base period and to the years over which the Judgment shall have operated to that time.

I. DERIVATION OF LOWER AREA AVERAGE ANNUAL ENTITLEMENT

The Lower Area average annual entitlement is stipulated in paragraph 5 (a) of the Judgment to be 98,415 acre-feet. It was derived from three components of water supply over the base period, October 1, 1934, through September 30, 1959. Said components were: (1) Usable Surface Flow, (2) Subsurface Flow, and (3) Export to Lower Area.

A. Usable Surface Flow

For the base period, Usable Surface Flow was calculated as that portion of Surface Flow which percolated

in Montebello Forebay, less the calculated amounts of Lower Area Replenishment Water (hereby defined as water imported from outside of the watershed of the San Gabriel River system by or on behalf of Lower Area Parties for replenishment of Montebello Forebay and passing from Upper Area to Lower Area), and less one-half of the Raymond Basin sewage discharged in Upper Area from the Tri-City Sewage Treatment Plant.

Table 1 presents the calculation of Usable Surface Flow during the base period. The average annual quantity was calculated to be 51,620 acre-feet. Its derivation is summarized in the following tabulation.

		Average annual quantity in acre-feet
1. Surface Flow		108,560
2. Montebello Forebay surface outflow	45,000	
3. Local storm inflow within Montebello Forebay	1,660	
4. Portion of Surface Flow leaving Montebello Forebay (2 minus 3)		43,340
5. Surface Flow percolated in Montebello Forebay (1 minus 4)		65,220
6. Lower Area Replenishment Water (Colorado River water) passing through Whittier Narrows	11,870	
7. One-half of Raymond Basin sewage discharged in Upper Area	1,730	
8. Usable Surface Flow (5 minus 6 minus 7)		51,620

B. Subsurface Flow

The State of California, Department of Water Resources, published in April 1962, Appendix B, "Safe Yield Determinations", of Bulletin No. 104, a report entitled "Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County". That report included estimates of the seasonal Subsurface Flow through Whittier Narrows for each Water Year during the period 1934-35 through 1956-57. By applying the same methods of computation, the estimates have been extended through the Water Year 1958-59 and a 25-year average of 28,400 acre-feet derived.

Table 2 sets out the Subsurface Flow for each Water Year in the base period and the average annual Subsurface Flow during the base period.

TABLE 1

CALCULATION OF USABLE SURFACE FLOW

DURING BASE PERIOD

(Acre-Feet)

	Surface Flow							Monterbello Forebay surface outflow							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Water Year	Rio Hondo F-64	Mission Creek F-83	Rio Hondo Bypass F-313	Sycamore Canyon	San Gabriel River at maximum raising water	Total (2+3+4+5+6)	Rio Hondo F-45	San Gabriel River F-262	Subtotal (8+9)	Monterbello Storm Drain F-181	Outflow of Surface Flow (10-11)	Surface Flow precipited in Monterbello Forebay (7-12)	Colorado River water passing Whittier Narrows	One-half of Raymond Basin sewage discharged in Upper Area	Usable Surface Flow (13-14-15)
1934-35	29,230	9,140	0	390	22,410	61,170	6,000	4,700	10,700	1,650	9,050	52,120		2,650	49,470
36	20,700	9,810	0	70	16,140	46,720	4,220	1,750	5,970	890	5,080	41,640		2,735	38,905
37	50,900	10,840	0	260	47,750	109,750	26,870	21,000	47,870	2,170	45,700	64,050		2,865	61,185
38	209,330	14,700	0	510	109,120	333,660	172,100	60,000	232,100	2,050	230,050	103,610		2,960	100,650
39	30,650	16,330	0	200	38,380	85,560	9,540	2,540	12,080	980	11,100	74,460		2,970	71,490
1939-40	27,660	16,210	0	110	29,510	73,490	4,850	1,900	6,750	890	5,860	67,630		2,985	64,645
41	130,650	18,120	0	1,070	112,440	262,280	93,260	75,780	169,040	4,090	164,950	97,330		3,205	94,125
42	28,810	18,740	0	80	43,770	91,400	6,730	13,570	20,300	960	19,340	72,060		3,140	68,920
43	59,470	17,410	0	150	222,670	299,700	41,910	186,420	228,330	2,580	225,750	73,950		3,235	70,715
44	51,390	18,850	0	220	121,420	191,880	26,820	79,930	106,750	2,390	104,360	87,520		3,545	83,975
1944-45	32,300	18,020	0	70	57,130	107,520	8,460	26,110	34,570	770	33,800	73,720		3,490	70,230
46	43,160	15,630	0	70	51,580	110,440	11,280	16,480	27,760	870	26,890	83,550		3,635	79,915
47	48,410	14,230	0	110	56,790	119,540	16,030	27,650	43,680	1,350	42,330	77,210		3,785	73,425
48	25,370	12,670	0	20	20,970	59,030	3,510	0	3,510	910	2,600	56,430		2,065	54,365
49	11,100	10,640	0	40	13,590	35,370	1,490	0	1,490	860	630	34,740		0	34,740
1949-50	12,280	8,780	0	110	11,780	32,950	2,840	0	2,840	1,240	1,600	31,350		0	31,350
51	7,880	6,700	0	0	8,420	23,000	780	0	780	890	-110	23,110		0	23,110
52	34,570	6,090	0	530	56,800	97,990	26,040	24,250	50,290	3,330	46,960	51,030		0	51,030
53	16,120	6,210	0	50	22,350	44,730	3,450	980	4,430	1,430	3,000	41,730		0	41,730
54	23,390	3,580	7,230	100	16,130	52,430	10,760	3,790	14,550	2,190	12,360	40,070	15,690	0	24,380
1954-55	11,350	3,100	9,730	70	14,630	38,880	8,000	1,000	9,000	1,210	7,790	31,090	23,130	0	7,960
56	16,180	2,310	14,990	150	28,930	62,560	14,540	10,360	24,900	2,110	22,790	39,770	42,870	0	-3,100
57	16,840	1,840	20,400	50	22,220	61,350	4,640	1,390	6,030	1,120	4,910	56,440	51,870	0	4,570
58	119,320	2,660	15,300	540	91,320	229,140	30,260	23,960	54,220	3,250	50,970	178,170	103,900	0	74,270
1958-59	39,800	3,920	0	10	39,790	83,520	3,900	3,130	7,030	1,230	5,800	77,720	59,390	0	18,330
TOTALS	1,096,860	266,530	67,650	4,980	1,278,040	2,714,060	538,280	586,690	1,124,970	41,410	1,083,560	1,630,500	296,850	43,265	1,290,385
Averages	43,870	10,660	2,710	200	51,120	108,560	21,530	23,470	45,000	1,660	43,340	65,220	11,870	1,730	51,620

TABLE 2

SUBSURFACE FLOW
DURING BASE PERIOD

Water Year	Acre-Feet
1934-35	33,500
36	33,500
37	31,100
38	25,600
39	25,000
1939-40	23,900
41	23,300
42	21,800
43	21,900
44	23,700
1944-45	23,500
46	23,100
47	22,400
48	25,700
49	30,300
1949-50	34,000
51	32,800
52	32,100
53	32,800
54	33,200
1954-55	33,600
56	32,200
57	32,600
58	30,500
1958-59	27,800
TOTAL	709,900
Average	28,400

C. Export to Lower Area

During the base period there were a number of water producers or water service agencies which produced water by surface diversions or wells in Upper Area and exported it to Lower Area. At the present time, and for the past several years, all such water has been pumped from wells in Upper Area.

There are four water service agencies which currently so export water. They are the Rincon Ditch Company, California Domestic Water Company, Suburban Water Systems, and the City of Whittier.

Table 3 sets forth Export to Lower Area for each Water Year during the base period and the average annual Export to Lower Area during the base period.

TABLE 3

EXPORT TO LOWER AREA
DURING BASE PERIOD

Water Year	Acre-Feet
1934-35	15,049
35-36	21,644
36-37	22,668
37-38	25,151
38-39	27,532
1939-40	22,566
40-41	24,191
41-42	27,514
42-43	30,484
43-44	31,182
1944-45	25,953
45-46	27,456
46-47	29,877
47-48	30,165
48-49	25,515
1949-50	18,363
50-51	21,651
51-52	16,302
52-53	18,141
53-54	18,360
1954-55	18,796
55-56	20,728
56-57	19,686
57-58	22,031
58-59	23,881
TOTAL	584,886
Average	23,395

D. Derivation of Lower Area Average Annual Entitlement

Table 4 presents the derivation of the Lower Area average annual entitlement.

TABLE 4

LOWER AREA AVERAGE ANNUAL ENTITLEMENT

(In acre-feet for base period)

Usable Surface Flow (Table 1)	51,620
Subsurface Flow (Table 2)	28,400
Export to Lower Area (Table 3)	23,395
Sub-total	103,415
Stipulated deduction	5,000
Lower Area average annual entitlement	98,415

II. DETERMINATION OF FUTURE LOWER AREA ANNUAL ENTITLEMENT

In determining a future Lower Area Annual Entitlement, as set forth in paragraph 5 (d) of the Judgment, the annual rainfall for San Gabriel Valley shall be determined in accordance with procedures set forth below, which are those presently utilized by the Los Angeles County Flood Control District. The 90-year (1872-73 through 1961-62) average rainfall for San Gabriel Valley has been calculated by said District to be eighteen and fifty-two one-hundredths (18.52) inches. For purposes of this Judgment, this quantity shall be the long-term average annual rainfall for San Gabriel Valley and shall not be subject to change.

The arithmetic average of the annual rainfall recorded at the four precipitation stations listed below shall constitute the rainfall for San Gabriel Valley for the respective Water Year.

Station No.	Location
95	114 East First Street, San Dimas
102C	19711 East Valley Blvd., Walnut
108C	119 South Hoyt Avenue, El Monte
610B	City Hall, Pasadena

Table 5 presents the annual rainfall for San Gabriel Valley for the Water Years 1954-55 through 1962-63.

TABLE 5

ANNUAL RAINFALL FOR SAN GABRIEL VALLEY

Water Year	Rainfall, Inches
1954-55	13.9
56	16.7
57	13.7
58	30.2
59	8.5
1959-60	10.6
61	5.9
62	22.4
63	12.3

The average rainfall in inches for the ten (10) consecutive Water Years ending with the year for which entitlement is being calculated shall be used as the basis for determining Lower Area Annual Entitlement.

Lower Area Annual Entitlements have been computed for 10-year average rainfall in increments of one-tenth (0.1) inch between fourteen (14) and twenty-five (25) inches and are set forth in Table A in paragraph 5 (d) of the Judgment. The following outlines the procedure for determining Lower Area Annual Entitlement from Table A:

(1) Derive the 10-year average rainfall for San Gabriel Valley to the nearest one-tenth (0.1) inch;

(2) Enter Table A in left-hand column at whole number of inches of rainfall; and

(3) Read horizontally to the vertical column representing the appropriate tenth of an inch of rainfall to obtain the quantity of Lower Area Annual Entitlement in acre-feet.

III. FUTURE MEASUREMENTS

It will be necessary to maintain records of measurement of stream flow, flow in pipelines, rainfall and depth to ground water at a number of locations. The purpose of this Part III is to locate and identify those measurement stations and to specify the manner in which the measurements are to be used in the future operation of the Judgment. The line through Whittier Narrows shown on Exhibit A as "narrowest section" is the line at which accounting shall be made of the water to be received in the future by Lower Area Parties. The Watermaster shall, insofar as practicable, utilize measurement data available from existing sources. When such data are not available the Watermaster may make such measurements as may be necessary or reasonably required for the purposes of this Judgment. The Watermaster is hereby authorized to re-establish, rebuild or replace measuring stations whenever necessary for the operation of this Judgment.

A. Surface Water Measurements and Calculations.

There may be several categories of water flowing on the surface through Whittier Narrows. Among them may be local stream flow, Lower Area Replenishment Water, Reclaimed Water and Make-up Water. The Watermaster shall have the responsibility of determining the quantities of each category of water flowing through Whittier Narrows in the future.

The approximate locations of stream measuring stations in and near Whittier Narrows are shown on Exhibit A. The surface

water measurements and calculations shall include the following:

1. Measurements of Surface Flow.
   a. Rio Hondo above Mission Bridge, Station F64-R.
   b. Mission Creek at San Gabriel Boulevard, Station F83-R.
   c. Rio Hondo By-pass Channel, Station F313-R.
   d. Whittier Narrows Flood Channel, Station E337-R.
   e. Calculation of Sycamore Canyon runoff based on annual rainfall to nearest inch at Station 170-C as shown on Table 6.
   f. San Gabriel River near Parkway Bridge. This is to be a new station to replace the existing station on San Gabriel River at Beverly Boulevard, Station F263B-R.
   g. The portion of Reclaimed Water from Whittier Narrows Reclamation Plant diverted to Rio Hondo.
2. Measurement of local storm inflow to the channel of each of the Rio Hondo and San Gabriel River within Montebello Forebay.
   a. Montebello storm drain, Station F181-R.
   b. Calculation of unmeasured local storm inflow.
3. Measurements of diversions to spreading grounds Montebello Forebay.
4. Measurement of surface outflow from Montebello Forebay in the channel of each of Rio Hondo and

San Gabriel River.
   a. Rio Hondo above Stewart and Gray Road, Station F45B-R.
   b. San Gabriel River at Florence Avenue, Station F262-R.
5. Measurement of Lower Area Replenishment Water imported to Upper Area from outside the watershed of the San Gabriel River system.
   a. Rio Hondo By-pass Channel, Station F313-R.
   b. San Gabriel By-pass Channel, Station F314-R.
   c. San Gabriel River MWD Outlet, Station M335-R.
   d. Alhambra Wash MWD Outlet, Station M340-R.
   e. Any other measuring point or points in Upper Area at which such replenishment water is released.
6. Measurement of total Reclaimed Water from Whittier Narrows Reclamation Plant reclaimed by or on behalf of Lower Area Parties.

In the event that any of the aforementioned gaging stations are inoperative for any reason and for any period of time the Watermaster shall estimate the quantity that would have been measured at the station had it been operative. The estimate shall be based on correlation to nearby operative measuring stations or on other reasonable engineering methods.

TABLE 6

RAINFALL - RUNOFF RELATIONSHIP OF SYCAMORE CANYON*

Annual rainfall, in inches at Precipitation Station No. 170-C	Estimated runoff in acre-feet
6	5
7	10
8	15
9	25
10	35
11	45
12	60
13	75
14	90
15	105
16	125
17	145
18	170
19	200
20	240
21	275
22	315
23	355
24	400
25	445
26	490
27	535
28	580
29	630
30	685

Extrapolate for rainfall values in excess of 30 inches.

* Located on Westerly side of Whittier Narrows, upstream from dam and downstream from stream gaging Station F64-R. Approximate drainage area is 2.77 square miles.

B. Subsurface Flow

The determination of Subsurface Flow involves certain measurements and procedures which are set forth in this section. In connection with a recent comprehensive study made by the State of California, Department of Water Resources, for Bulletin No. 104, "Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County", estimates were made of Subsurface Flow through Whittier Narrows. The State concluded that a reasonable method of determining Subsurface Flow was by the transmissibility method, which is based on Darcy's Law applied

at the location shown on Exhibit A as "narrowest section". Darcy's Law states that Q = PIA, in which

Q = Subsurface Flow

P = Permeability, in gallons per day per square foot under unit hydraulic gradient

I = Slope of water table

A = Cross-sectional area

Under this Judgment calculations shall be made by the Watermaster for the spring and fall of each year and because of slight variations due to the nature of the data available, Subsurface Flow for any one year will be equal to the tri-annual average of the quantities calculated for the three years ending with the year of calculation. In this manner, annual Subsurface Flow shall be based on the average of six calculations, the first of which shall be the spring of 1962.

The elevation of the ground surface at the "narrowest section" of Whittier Narrows is deemed to be 208 feet above sea level, and the width of the section is deemed to be 7,900 feet. Water levels fluctuate at Whittier Narrows and the cross-sectional area of the ground water at Whittier Narrows will vary with fluctuations in ground water elevation.

It should be noted that T = PD, where T = transmissibility in gallons per day per foot of width under unit hydraulic gradient and D = saturated depth in feet. Therefore PA = TW and Q = PAI = TWI. The product TW (or PA) for the entire cross-sectional area was determined to be 4,739.5 x 1,000,000 gallons per day, or 7,333.6 cfs. The actual slope of the water table, I, would then be applied to the calculated quantity of TW (or PA).

The average permeability of the material to a depth of 100 feet below the ground surface has been determined to be equal to 2,000 gallons per day per square foot, which is

equal to .003095 cubic feet per second per square foot. This represents the average permeability in the zone of water level fluctuation.

In order to correct for the unsaturated depth, the equation $Q = TWI$ is modified to $Q = (TW - C)I$ where

$C = P_1Wd$,

C = The flow which would occur in the unsaturated section if it were saturated, in cubic feet per second under unit hydraulic gradient.

P_1 = Average permeability for a distance of 100 feet below the ground surface.

W = The cross-sectional width, or 7,900 feet.

d = The distance from the water surface to the top of the ground, or 208 feet minus ground water elevation.

Utilizing the values of permeability shown above, then

C = 24.45 d, in cubic feet per second, for values of "d" to a depth of 100 feet below the ground surface.

The "effective transmissibility" is equal to the total transmissibility times the width at the narrowest section minus C, or,

$Tw_e = TW - C$

$Tw_e = 7{,}334 - C$, in cubic feet per second.

Subsurface Flow is equal to the effective transmissibility times the average slope of the water table. The formula derived from the foregoing, may be stated as follows:

$Q = 724\ I\ [7{,}334 - 24.45\ (208 - E)]$

Where: Q = Subsurface Flow in acre-feet per year,

I = Average adjusted slope of ground water surface at narrowest section, and

E = Ground water elevation of the water surface in feet above sea level at the narrowest cross-section.

The detailed steps to be carried out by the Watermaster are as follows:

(1) Ground water level contour maps in the vicinity of Whittier Narrows are drawn on the basis of water level measurements.

(2) A line representing the narrowest cross-section is drawn on the ground water contour maps.

(3) This line is subdivided into four equal lengths.

(4) The average slope of the water table at each of the three points within the narrowest section is determined along a line perpendicular to the ground water contours in the manner heretofore used by the State of California, Department of Water Resources.

(5) Adjustment is made to the ground water slope at each of the three points so that it is perpendicular to the narrowest section by:

(a) measuring the angle, in degrees, between the line representing the narrowest cross-section and the tangent to the flow line at the narrowest cross-section,

(b) applying the sine of that angle to the previously determined slope to determine the adjusted slope, and

(c) obtaining an average of the three adjusted slopes to represent the average slope through the narrowest cross-section.

(6) The elevation of the water surface at the narrowest cross-section is determined by interpolating between the ground water contours.

(7) The distance to the ground water surface is computed from the top of the ground by the formula: $d = 208 - E$, where E represents the average water level elevation of the narrowest cross-section, in feet.

(8) The correction factors for the transmissibility for the area from the top of ground to the water surface is computed by the formula $C = 24.45\ d$, in cubic feet per second.

(9) The effective transmissibility is computed by the formula $Tw_e = 7,334 - C$, in cubic feet per second.

(10) Subsurface Flow is computed by multiplying the effective transmissibility by the average adjusted slope.

(11) The computed Subsurface Flow, in cubic feet per second, is converted to acre-feet per year by multiplying it by 724.

The selected wells within the vicinity of Whittier Narrows which have been used for drawing the ground water contours are as follows:

Location No.	State No.
2927B	2S 11W 06M01S
2927D	06K01S
2928	07B01S
2936	06A01S
2936A	1S 11W 31J03S
2938A	2S 11W 07H1S
2938D	05N05S
2939	08N01S
2939B	18B01S
2939G	07R01S
2947C	-
2947F	05L01S
2947N	05P01S
2948	05N04S
2948E	08B02S
2948F	08L03S
2957H	-

The Watermaster shall obtain measurements of ground water elevations in the spring and fall of each year when they are at their approximate high and low levels, respectively. Such measurements may be made at, but need not be limited to, all of the above listed wells.

C. Export to Lower Area

If present measuring devices on existing conduits are inadequate, the Watermaster shall install or cause to be installed adequate measuring devices to determine the amount of Export to Lower Area.

IV. ACCOUNTING

Utilizing the appropriate measurements described in the previous portion of this Exhibit B, the Watermaster shall maintain accounts for the determination of Lower Area Annual Entitlement, the annual amount of Usable Water, Make-up Water to be delivered, Make-up Water received, the annual total amount of Usable Water and Make-up Water, the accumulated Lower Area Annual Entitlements, the accumulated amounts of Usable Water and Make-up Water received subsequent to September 30, 1963, Accrued Debit of Upper Area or Accrued Credit of Upper Area, and records necessary for accomplishing the Long-term Accounting.

In maintaining the accounting records listed above, the Watermaster shall establish the necessary accounting procedures to accomplish the recordation of data and required calculations for accomplishment of the provisions set forth in paragraph 5 of the Judgment.

A. Components of Usable Water

1. Surface Flow. Surface Flow shall be measured as set forth in Part III.A. of this exhibit to include all water other than Export to Lower Area and Subsurface Flow which passes from Upper Area to Lower Area through Whittier Narrows. When the new station to be constructed on the San Gabriel River near Parkway Bridge is completed, it shall replace the gaging station on the San Gabriel River at Beverly Boulevard, Station F263B-R. Until such new station is in operation, Surface Flow as measured at Station F263B-R shall be increased by the amount of Surface Flow which has percolated or been diverted between Station F263B-R and the point of maximum rising water. The Watermaster shall determine the quantity so percolated or diverted based upon available measurements by the Los Angeles County Flood Control District.

2. Subsurface Flow. Subsurface Flow shall be calculated in accordance with the procedures heretofore set forth.

3. Export to Lower Area. The Watermaster shall reduce to acre-feet the meter readings on each of the conduits transporting through Whittier Narrows water diverted from surface streams in Upper Area or pumped or developed from underground sources in Upper Area. These quantities shall be used to determine Export to Lower Area except that after September 30, 1966, Export to Lower Area used for determination of Usable Water shall not exceed 23,395 acre-feet per year. (Paragraph 3(1) of this Judgment.)

B. Calculation of Usable Water

After determining the amounts of Surface Flow, Subsurface Flow and Export to Lower Area during a Water Year, as provided above, the Watermaster, in order to determine the extent to which such water constitutes the receipt of Usable Water by Lower Area during such Water Year, shall deduct from the total of such amounts, the following:

1. Lower Area Replenishment Water. An amount equal to the total quantity of Lower Area Replenishment Water released in Upper Area in each Water Year subsequent to September 30, 1963, less such amount, if any, as the Watermaster determines to be lost due to evaporation or transpiration prior to the receipt of such water in Lower Area;

2. Reclaimed Water. An amount equal to the total quantity of Reclaimed Water which is reclaimed by or on behalf of Lower Area Parties;

3. Make-up Water. An amount equal to the quantity of Make-up Water delivered to Lower Area during such Water Year, calculated as hereafter provided, to the extent included in

Surface Flow or Export to Lower Area;

4. Paragraph 3(1)(6) Water. An amount equal to the quantity of any water which falls within the scope of paragraph 3(1)(6) of the Judgment; and

5. Unusable Surface Flow. An amount equal to the quantity of Unusable Surface Flow, which is determined by deducting from the total outflow as measured at Stations F45B-R and F262-R: (1) Local Storm Outflow and (2) the portion of Surface Flow which has been caused to pass said stations by reason of any spreading of water in Montebello Forebay by or on behalf of Lower Area Parties.

Local Storm Outflow is a portion of local storm inflow originating in Montebello Forebay upstream from said measuring stations, the amount of which outflow is to be determined as hereinafter provided. When actual measurements of local storm inflow are not available, the amount thereof discharging to the channels of Rio Hondo or San Gabriel River within Montebello Forebay upstream from stations F45B-R and F262-R shall be estimated by correlation with the local storm inflow measured at Montebello Storm Drain, Station F181-R. Such quantities shall be estimated on the basis of the individual drainage areas of storm drain projects and the runoff per unit area determined from the Montebello Storm Drain, Station F181-R, during the particular time interval under consideration. When water is flowing out of Montebello Forebay on the surface in the Rio Hondo or San Gabriel River channels, the Watermaster shall determine Local Storm Outflow as follows:

a. Local Storm Outflow from Rio Hondo. When outflow occurs at Station F45B-R, all local storm inflow, both measured and estimated, which enters the Rio Hondo channel between that station and Upper Area shall constitute Local Storm Outflow from Rio Hondo, but the amount thereof shall not exceed the amount of

outflow at Station F45B-R for such periods.

b. Local Storm Outflow from San Gabriel River. At such times as local storm inflow does not join Surface Flow in San Gabriel River, the portion of such local storm inflow passing Station F262-R shall constitute Local Storm Outflow. In addition, at such times as Surface Flow in the San Gabriel River commingles with the local storm inflow, then the Watermaster shall determine Local Storm Outflow as follows:

(1) Calculate the total amount of local storm inflow to the San Gabriel River during such times, but such amount to be used in the determination of Local Storm Outflow shall not exceed the amount of San Gabriel River outflow passing Station F262-R during such periods.

(2) Calculate the Local Storm Outflow passing Station F262-R during such times, which calculation shall be based on the Surface Flow and local storm inflow to the San Gabriel River channel, giving appropriate weight to the quantities involved and the distance the respective quantities of water traverse Montebello Forebay in said channel.

(3) These two calculations shall then be averaged arithmetically and the resulting amount shall be Local Storm Outflow from San Gabriel River.

C. Determination and Delivery of Make-up Water

1. By Additions to Surface Flow (paragraph 5(i)(1) of Judgment). The determination of the amount of Make-up Water which is delivered to Lower Area as an addition to Surface Flow shall be based upon (a) measurements of Make-up Water at the

delivery outlet of such water upstream from Whittier Narrows, (b) measurements of water consisting in whole or in part of Make-up Water passing the applicable stations listed in Part III.A.1. of this Exhibit B, and (c) such deductions from the measurements of Make-up Water at said stations so listed as are necessary to take into account (i) the amount of any water other than Make-up Water included in the measurements at said stations so listed, (ii) any losses due to evaporation or transpiration of Make-up Water after such measurement and prior to its receipt in Lower Area, and (iii) any percolation of Make-up Water after such measurement and prior to the time it reaches the "narrowest section" in Whittier Narrows.

As changing conditions may require, the Watermaster shall change the points of measurement of Make-up Water in order to obtain those measurements necessary to determine the amount of Make-up Water delivered to Lower Area Parties by means of increasing Surface Flow.

2. By Payment for Reclaimed Water (paragraph 5(i)(2) of the Judgment). The Watermaster shall determine (a) the quantity of Reclaimed Water reclaimed at the Whittier Narrows Water Reclamation Plant as it existed October 1, 1963, and which when so reclaimed shall have been passed through Whittier Narrows, and (b) the quantity, if any, of Reclaimed Water reclaimed at any future additions to said plant after September 30, 1963, and which when so reclaimed shall have been passed through Whittier Narrows. Such quantities shall be ascertained from the records of Los Angeles County Flood Control District.

Upon being advised that a payment has been made by Upper District or Defendants to Central Municipal pursuant to the provisions of paragraph 5(i)(2) of the Judgment, the Watermaster shall credit Upper Area Parties with the delivery of Make-up Water computed according to said paragraph of the

Judgment.

3. By Deliveries to a Lower Area Party (paragraph 5(i)(3) of the Judgment). Any Make-up Water delivered directly to a Lower Area Party with the consent of Plaintiffs shall be metered and the meter records reduced to acre-feet per year. Upon being advised that a Lower Area Party has received a direct delivery of Make-up Water pursuant to the provisions of paragraph 5(i)(3) of the Judgment, the Watermaster shall credit Upper Area Parties with delivery of such Make-up Water in the Water Year in which it was so delivered.

D. Long-term Accounting

The Watermaster shall maintain a record of the annual rainfall in the San Gabriel Valley, including a running average of such rainfall, so that the Watermaster will be informed when a Long-term Accounting shall be carried out as specified in paragraph 5(h) of the Judgment, and shall thereafter perform the necessary calculations for accomplishment of the adjustment, if any, between the aggregate amount of water received compared to the aggregate entitlement for the period.

E. Water Usable for Ground Water Replenishment

With respect to any delivery of Make-up Water the Watermaster shall determine the suitability of such water for ground water replenishment. The Watermaster shall gather, insofar as readily available from public and private agencies, data relating to the quality of all categories of water, Surface Flow, Subsurface Flow, Export to Lower Area, Reclaimed Water, Lower Area Replenishment Water and Make-up Water.

REIMBURSEMENT CONTRACT

LONG BEACH v. SAN GABRIEL

REIMBURSEMENT CONTRACT

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ed.

REIMBURSEMENT CONTRACT

THIS CONTRACT is made by and between UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT, herein called "Upper District", and the cities of ALHAMBRA, ARCADIA, AZUSA, COVINA, EL MONTE, GLENDORA, MONTEREY PARK, MONROVIA, SOUTH PASADENA, and WHITTIER; BALDWIN PARK COUNTY WATER DISTRICT, and SAN GABRIEL COUNTY WATER DISTRICT; AZUSA AGRICULTURAL WATER COMPANY, AZUSA VALLEY WATER COMPANY, CALIFORNIA DOMESTIC WATER COMPANY, CALIFORNIA WATER & TELEPHONE COMPANY, COLUMBIA LAND AND WATER COMPANY, COVINA IRRIGATING COMPANY, CROSS WATER COMPANY, DUARTE WATER COMPANY, EAST PASADENA WATER COMPANY, LTD., GLENDORA IRRIGATING COMPANY, SAN DIMAS WATER COMPANY, SAN GABRIEL VALLEY WATER COMPANY, SOUTHERN CALIFORNIA WATER COMPANY, SUBURBAN WATER SYSTEMS, SUNNYSLOPE WATER COMPANY, and VALLECITO WATER COMPANY, corporations, herein collectively called "Pumpers."

ed.

RECITALS

1. The Action. In the matter of Board of Water Commissioners of the City of Long Beach, et al. v. San Gabriel Valley Water Company, et al., (L. A. Superior Court No. 722,647) the water rights of substantially all major water producers in the main San Gabriel Valley are sought to be restricted.

2. Judgment. The parties named above, except City

of Whittier, are concurrently executing a Stipulation that a Judgment substantially in the form annexed hereto shall be rendered and it is anticipated that such Judgment will be rendered in the action.

3. Public Interest in Settlement. It is in the best interests of the Pumpers and in the best interests of the water users and taxpayers within the corporate boundaries of those Pumpers which are public agencies, of the consumers of those Pumpers which are utilities or mutual water companies, and of all residents and taxpayers of Upper District, that said action be settled and disposed of in accordance with the terms of said judgment in order to preserve the water supplies within Upper Area.

DEFINITIONS

1. "Contract Costs" -- All costs hereafter paid by Upper District:

ed.

(a) In providing Make-up Water under the terms of the judgment. In computing such cost of providing Make-up Water, any cost which Upper District shall pay which it would have paid even though it had not provided Make-up Water shall be excluded; and particularly but not exclusively, no amount which shall be paid to The Metropolitan Water District of Southern California as a condition to any past or future annexation shall be

deemed a cost of providing Make-up Water. Such costs may include interest paid by Upper District upon money borrowed for advancements made by it or interest which would have been received by the District, but which it lost by reason of making such advancements.

(b) In complying with the terms of said judgment.

(c) In keeping the records, making the determinations and collecting the moneys required by the later provisions of this contract.

2. "Assessable Pumpage" -- The amount of ground water produced in the applicable calendar year by or on behalf of any Pumper by pumping or extraction thereof from the Upper Area, including ground water produced under rights hereafter acquired from any source.

ed.

3. Common Terms With Judgment -- All terms specially defined in said judgment are used herein in the sense in which they are therein defined, and said special definitions are incorporated herein by this reference.

OPERATIVE PROVISIONS

1. Consideration for Execution. The great majority of the defendants in the action are situated in whole or in part within Upper District and pump water therein. Certain defendants, including the Cities of Alhambra, Azusa and

Monterey Park, as well as the City of Whittier which is not a defendant, lie outside Upper District. Execution of this agreement by all parties to it is essential to induce each party hereto to execute this agreement, and likewise, execution of the Stipulation for Judgment by all defendants in the action is necessary to induce each party hereto to execute this contract. Each party executes this contract in consideration of its execution by the other parties, and in consideration of the execution of the Stipulation by the parties thereto. Moreover, by this contract each party other than City of Whittier waives its right to cross-complain in the action so as to bring City of Whittier into the action as a party.

2. Intervention by Upper District. In consideration of the execution of this contract by Pumpers and to contribute to the physical solution of providing adequate
ed. water for its inhabitants, Upper District has intervened as a defendant in the action and agrees to execute the stipulation for said judgment.

3. Administration. Upper District shall administer the provisions of Paragraphs 6 through 9, below, as to all Pumpers, including additional parties hereto mentioned in Paragraph 16.

4. Covenant to Reimburse. Each Pumper hereby agrees to pay to Upper District such Pumper's share of Contract

Costs allocated and determined as provided below.

5. Allocation of Costs Among Pumpers. Pumpers agree among themselves, each for the benefit of all other Pumpers, to share and participate in the payment of any sums due Upper District hereunder in such proportion as the Assessable Pumpage of each Pumper bears to the total Assessable Pumpage of all Pumpers for the applicable period covered by any assessment as hereinafter provided, subject to the provisions of Paragraph 9 below.

6. Reports by Pumpers. Pumpers shall file under penalty of perjury the reports hereinafter specified in the form provided by Upper District, as follows:

(a) Time and Procedure for Filing. Each year, on or before March 1, each Pumper shall file with Upper District a written report of its extractions of water from Upper Area for the pre-
ed. ceding calendar year containing the information set forth in subparagraph (b) of this paragraph.

(b) Contents of the Report. Such annual reports to Upper District shall set forth:

(1) The name and address of the Pumper; and

(2) The number of acre feet of water which was pumped or extracted from Upper Area by or on behalf of the Pumper during

the calendar year covered.

(c) Determination in Lieu of Report. In the event any Pumper fails to so file such report, Upper District may make a determination of the Assessable Pumpage of such Pumper, which determination shall be final and binding.

7. Notice of Assessment. On or before June 1 of each year, Upper District shall serve a Notice of Assessment on each Pumper covering the preceding calendar year which will contain a statement of:

(a) The amount of Assessable Pumpage by each Pumper;

(b) A detailed statement of Contract Costs during the preceding calendar year, if any; and

(c) A statement of the amount of such Contract Costs which are assessable to and payable by the Pumper to whom such notice is sent.

ed.

8. Payment--Delinquency and Default. All assessments herein provided for shall be due and payable on the following July 31. In the event of nonpayment of any assessment, Upper District may bring an action and shall have the right to recover such assessment, together with interest thereon at the rate of 7% per annum from the date of delinquency and costs of suit, including any reasonable attorneys' fees incurred.

If, after due diligence, Upper District is unable to collect a Pumper's allocated cost, such uncollectible amount (including interest, costs and attorneys' fees) shall be prorated among and paid by the other Pumpers in the same proportions as they paid assessments for the year or years in question. Said proration shall be billed and payable with the next succeeding assessment.

9. Redetermination of Assessable Pumpage. Any Pumper may at any time within 90 days after receipt of any Notice of Assessment request a redetermination of the Assessable Pumpage of such Pumper or of any other Pumper or Pumpers reflected in such notice. Such request shall be addressed in writing to Upper District and shall set forth the basis of the requesting Pumper's belief that such data are incorrect. Upon the receipt of any request, the following procedures shall be undertaken by Upper District:

ed.

(a) Notice of Request for Redetermination. Upper District shall forthwith notify in writing any Pumper whose Assessable Pumpage has been questioned, of the fact of such request and the name of the requesting Pumper. Notice shall further be sent to all Pumpers that procedures will be undertaken pursuant to this paragraph, and shall state briefly the issues to be determined.

(b) Availability of Records. Subsequent to such notice, the records of the Pumper whose Assessable Pumpage is subject to a request for redetermination shall be made available at reasonable hours and upon reasonable demand to Upper District, insofar as such records are relevant to a determination of the Assessable Pumpage of the Pumper during the period involved.

(c) Investigation and Notice of Hearing. Upper District shall conduct an investigation and shall by written decision served on all Pumpers redetermine or affirm such Assessable Pumpage. Upper District may at its option set a date for hearing. In such event, at least ten days' notice in writing of said hearing date shall be given to all Pumpers.

ed.

(d) Conduct of Hearing and Decision. If hearing be held, Upper District shall not be bound therein by strict rules of evidence, but may rely on any evidence which it deems of probative value. Any Pumper may present evidence and arguments thereat. The written decision of Upper District, with or without such hearing, shall be served on all Pumpers and shall be conclusive for purposes of this contract, unless said issue is submitted

to a court of competent jurisdiction within 90 days from notice of such decision.

(e) Reallocation of Contract Costs. If Assessable Pumpage is modified by any such decision, Contract Costs shall be reallocated in accordance therewith. Said reallocation shall be billed and payable with the next succeeding assessment.

10. Water Rights Unaffected. This contract relates solely to the equitable allocation of Contract Costs and does not involve or constitute an admission or agreement as to the water rights of any Pumper. Execution of this contract shall not prevent any party hereto from bringing or maintaining any action or proceeding to determine rights to pump, extract or store water, or to limit or curtail any pumping, extraction or storage of water in or from Upper Area or elsewhere, except as limited by Paragraphs 1 and 16 of the Operative Provisions hereof.

ed.

11. Changed Conditions. It is recognized that conditions in Upper Area may hereafter change to such an extent that it may become equitable to modify either the total obligation of Pumpers to Upper District hereunder or the allocation of Contract Costs. While this contract is entered into to assure Upper District of reimbursement of an amount up to its entire Contract Costs, it is not intended hereby, and this contract shall not be deemed, to prevent Upper District

from modifying and reducing such obligation or from applying other relief which may reduce the burden on Pumpers. Without limitation upon the power of Upper District to otherwise reduce the aggregate amount payable under this contract, the following specific instances of changed conditions are contemplated:

(a) Allocation of Portion of Burden to Taxes. It may at some future date appear equitable and fair to allocate all or a portion of Contract Costs to ad valorem taxes or other revenues of Upper District. In such event, Upper District may, in the discretion of its Board of Directors, allocate all or a portion of Contract Costs to such revenue sources and the remainder, if any, thereof, shall be payable under the terms of this contract.

ed.

(b) Imposition of Pump Tax. If Upper District should acquire and exercise the right to levy a tax upon the pumping or extraction of ground water, then the aggregate of such tax shall be credited proportionally amongst Pumpers with respect to Assessable Pumpage within Upper District.

(c) Adjudication of Rights. If all or substantially all of the water rights within Upper Area shall be adjudicated (including the rights of all Pumpers), and its natural and safe yield

determined, then this contract shall be deemed modified to the extent that Assessable Pumpage shall include only that amount of water produced over and above the safe yield portion of adjudicated rights owned by any Pumper; provided that this subparagraph (c) shall not apply to any year in which the aggregate of all Assessable Pumpage as so modified is less than 25,000 acre feet.

12. Effective Date. This contract shall be effective ten (10) days after notice in writing of execution thereof by all parties, which notice shall be given to all Pumpers by Upper District, but shall cease and terminate on July 1, 1966, unless by said date (a) this contract shall have been validated as provided below, and (b) the Judgment shall have been rendered.

ed.

13. Validation. Within four months after this contract becomes effective, a proceeding or proceedings shall be instituted by Upper District in a court of competent jurisdiction by an appropriate action or actions for determination of the validity of this contract.

14. Term. The term of this contract shall commence upon its effective date and continue so long as the Judgment, as entered or as modified, shall remain in effect, subject, however, to the provisions of Paragraph 12 above.

15. Notices. Any notice to be served upon any party hereunder may be served either personally or by mail. If served by mail, such notice shall be mailed in the County of Los Angeles, State of California, by certified mail, postage prepaid, return receipt requested, or by registered mail, and shall be addressed to the party to be served at its address as set forth below, or (in the case of Upper District) at such other address as it may have last specified in writing to the Pumper or Pumpers involved for the service of notices hereunder, or (in the case of a Pumper) at such other address as it may have last specified in writing to Upper District for the service of notices hereunder. Any notice so served by mail shall be deemed to have been served upon the first business day (excluding Saturdays, Sundays and holidays) after such mailing.

ed.

16. Additional Parties. In addition to Pumpers and their successors and assigns referred to in Paragraph 17 below, any other person or entity who or which shall pump or extract water in or from Upper Area (herein referred to as an "additional party"), may become a party to this contract, provided (a) Upper District shall give its written consent thereto, and (b) no Pumper or additional party shall serve upon Upper District its written objection thereto. If Upper District shall give its written consent to execution of this contract by an applying additional party, it shall

then give written notice of such application and consent by Upper District to each Pumper and each additional party, and if within thirty (30) days after such notice no Pumper or additional party shall have served upon Upper District its written objection to execution of this contract by the applying additional party, such additional party's application shall be deemed to have been accepted and it may become a party to this contract by delivery to Upper District of a duly executed instrument in writing stating that such person or entity joins in and becomes a party to this contract.

Any additional party so joining shall become bound by all obligations of this contract, becoming due or which should be performed within the terms of this contract on and after the ensuing January 1. Such obligations include the duty to make the report of extractions during the preceding calendar year (i.e., the year in which the contract is executed) required by Paragraph 6, and to make the payment based upon such extractions as required by Paragraph 5, provided, however, that such additional party shall have no liability under Paragraph 8 with respect to any nonpayments of an assessment based upon extractions by a Pumper or other additional party prior to the year in which such additional party joins in this contract.

ed.

As to each Pumper who executes this contract after it becomes effective, Upper District agrees that for a

period of 90 days after giving its said written consent, it will bring no action against such additional party to limit or define its rights to pump water in or from Upper Area. Further, if more than one such Pumper shall become a party to this agreement at the same time as any other pumper, each will execute and shall be deemed to have executed this contract and to have joined therein in consideration of the joinder in this contract by the other or others concurrently joining in this contract.

Any such additional party shall be deemed a Pumper for all purposes of this agreement.

17. Successors and Assigns. This contract shall inure to the benefit of and bind the successors in ownership of the water rights of the parties. If any Pumper shall sell or transfer or agree to sell or transfer its water rights in Upper Area or any part of such water rights, such Pumper shall require as a condition of any such sale, transfer or agreement that the purchaser or transferee, if not already a party to this contract, shall execute this contract and become a party thereto. Upon a full transfer of such rights by a Pumper and assumption by the assignee as above provided, the assigning Pumper shall be discharged of obligation hereunder. If such Pumper fails to obtain such assumption (except in cases of a transfer under order of court or by operation of law) the assigning Pumper shall

remain bound by the contract and production of water by said assignee by the exercise of the right assigned shall be treated as production by such Pumper.

18. Execution in Counterparts. This contract may be executed in counterparts (each counterpart being an exact copy or duplicate of the original) and all counterparts collectively shall be considered as constituting one complete contract.

IN WITNESS WHEREOF this contract is executed by the undersigned by its duly authorized officer.

Dated: _____.

_____

(SEAL) By _____

By _____

APPENDIX H

Main San Gabriel Basin Judgment

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SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

Upper San Gabriel Valley Municipal Water District, Plaintiff, vs. City of Alhambra, et al, Defendants	Case No.: 924128 **AMENDED JUDGMENT** (And Exhibits Thereto)

HONORABLE MAUREEN DUFFY-LEWIS

Assigned Judge Presiding

DEPARTMENT 38

June 21, 2012

(This version includes prior Amendments and updated Exhibits through June 21, 2012.)

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"B" – Boundaries of Relevant Watershed
"C" – Table Showing Base Annual Diversion Rights of Certain Diverters
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"L" – List of Producers and Other Parties and Their Designees (June 2012) (New)
"M" – Watermaster Members, Officers, and Staff, Including Calendar Year 2012 (New)

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SUPERIOR COURT OF CALIFORNIA, COUNTY OF LOS ANGELES

Upper San Gabriel Valley Municipal Water District, Plaintiff, vs. City of Alhambra, et al, Defendant	Case No.: 924128 **AMENDED JUDGMENT** Hearing: June 21, 2012 Department 38, 9:30 A.M.

The Petition of the MAIN SAN GABRIEL BASIN WATERMASTER for this AMENDED JUDGMENT herein, came on regularly for hearing in this Court before the **HONORABLE MAUREEN DUFFY-LEWIS**, ASSIGNED JUDGE PRESIDING, on June 21, 2012; Frederic A. Fudacz appeared as attorney for Watermaster - Petitioner; and good cause appearing, the following **ORDER** and **AMENDED JUDGMENT** are, hereby, made:

I. INTRODUCTION

1. Pleadings, Parties, and Jurisdiction. The complaint herein was filed on January 2, 1968, seeking an adjudication of water rights. By amendment of said complaint and dismissals of certain parties, said adjudication was limited to the Main San Gabriel Basin and its Relevant Watershed. Substantially all defendants and the cross-defendant have appeared herein, certain defaults have been entered, and other defendants dismissed. By the pleadings herein and by

Order of this Court, the issues have been made those of a full inter se adjudication of water rights as between each and all of the parties. This Court has jurisdiction of the subject matter of this action and of the parties herein.

2. Stipulation for Entry of Judgment. A substantial majority of the parties, by number and by quantity of rights herein Adjudicated, Stipulated for entry of a Judgment in substantially the form of the original Judgment herein.

3. Lis Pendens. (New) A Lis Pendens was recorded August 20, 1970, as Document 2650, in Official Records of Los Angeles County, California, in Book M 3554, Page 866.

4. Findings and Conclusions. (Prior Judgment Section 3) Trial was had before the Court, sitting without a jury, John Shea, Judge Presiding, commencing on October 30, 1972, and Findings of Fact and Conclusions of Law have been entered herein.

5. Judgment. (New) Judgment (and Exhibits Thereto), Findings of Fact and Conclusions of Law (and Exhibits Thereto), Order Appointing Watermaster, and Initial Watermaster Order were signed and filed December 29, 1972, and Judgment was entered January 4, 1973, in Book 6791, Page 197.

6. Intervention After Judgment. (New) Certain defendants have, pursuant to the Judgment herein and the Court's continuing jurisdiction, intervened and appeared herein after entry of Judgment.

7. Amendments of Judgment. (New) The original Judgment herein was previously amended on March 29 1979, by: (1) adding definition (r [1]) thereto, (2) amending definition (bb) therein, (3) adding Exhibit "K" thereto, (4) adding Sections 14.5 and 16.5 thereto, and (5) amending Sections 37(b), 37(c), 37(d), and Section 47 therein; it was again amended on December 21, 1979, by amending Section 38(c) thereof; again amended on February 21, 1980, by amending Section 24 thereof; again amended on September 12, 1980, by amending Sections 35(a), 37(a), and 38(a); again amended on December 22, 1987, by adding Section 37(e) thereto; amended again on July 22, 1988 by amending Section 37(e) thereof and Ordering an Amended Judgment herein; again amended on January 29, 1991, by amending Sections 10(j), 40, and by adding Sections 40(a), 40(b), 40(c), 40(d), 40(e) and 40(f); again amended on April 2, 1991, by

amending Sections 10(ff), 10(jj), and 34(h); again amended on February 24, 1992, by amending Section 40(b); again amending Appendices in 2000; and again on June 21, 2012 by amending Sections 10(ff), 26, 29(d), 34(b), 34(c), 34(g), 34(h), 34(j), 36, 42, 44, 45, 46(a), 47, 50, 54, Exhibit H Sections 2, 3(d), 4; adding Sections 34(p), 34(q), 34(r); and deleting Section 53 entirely.

8. Transfers. (New) Since the entry of Judgment herein there have been numerous transfers of Adjudicated water rights. To the date hereof, said transfers are reflected in Exhibits "C", "D", and "E".

9. Producers and Their Designees. (New) The current status of Producers and their Designees is shown on Exhibit "L".

10. Definitions. (Prior Judgment Section 4) As used in this Judgment, the following terms shall have the meanings herein set forth:

(a) Base Annual Diversion Right – The average annual quantity of water which a Diverter is herein found to have the right to Divert for Direct Use.

(b) Direct Use – Beneficial use of water other than for spreading or Ground Water recharge.

(c) Divert or Diverting – To take waters of any surface stream within the Relevant Watershed.

(d) Diverter – Any party who Diverts.

(e) Elevation – Feet above mean sea level.

(f) Fiscal Year – A period July 1 through June 30, following.

g) Ground Water – Water beneath the surface of the ground and within the zone of saturation.

(h) Ground Water Basin – An interconnected permeable geologic formation capable of storing a substantial Ground Water supply.

(i) Integrated Producer – Any party that is both a Pumper and a Diverter, and has elected to have its rights adjudicated under the optional formula provided in Section 18 of this Judgment.

(j) In-Lieu Water Cost – The differential between a particular Producer's cost of Watermaster directed produced, treated, blended, substituted, or Supplemental Water delivered or substituted to, for, or taken by, such Producer in-lieu of his cost of otherwise normally Producing a like amount of Ground Water from the Basin. (Amended 1/29/91)

(k) Key Well – Baldwin Park Key Well, being elsewhere designated as State Well No. 1S/10W-7R2, or Los Angeles County Flood Control District Well No. 3030-F. Said well has a ground surface Elevation of 386.7.

(l) Long Beach Case – Los Angeles Superior Court Civil Action No. 722647, entitled, "Long Beach, et al., v. San Gabriel Valley Water Company, et al."

(m) Main San Gabriel Basin or Basin – The Ground Water Basin underlying the area shown as such on Exhibit "A".

(n) Make-Up Obligation – The total cost of meeting the obligation of the Basin to the area at or below Whittier Narrows, pursuant to the Judgment in the Long Beach Case.

(o) Minimal Producer – Any party whose Production in any Fiscal Year does not exceed five (5) acre-feet. (Prior to June 21, 2012)

(p) Natural Safe Yield – The quantity of natural water supply which can be extracted annually from the Basin under conditions of long term average annual supply, net of the requirement to meet downstream rights as determined in the Long Beach Case (exclusive of Pumped export), and under cultural conditions as of a particular year.

(q) Operating Safe Yield – The quantity of water which the Watermaster determines hereunder may be Pumped from the Basin in a particular Fiscal Year, free of the Replacement Water Assessment under the Physical Solution herein.

(r) Overdraft – A condition wherein the total annual Production from the Basin exceeds the Natural Safe Yield thereof.

(s) Overlying Rights – (Prior Judgment Section 4(r)[1]) The right to Produce water from the Basin for use on Overlying Lands, which rights are exercisable only on specifically defined Overlying Lands and which cannot be separately conveyed or

transferred apart therefrom.

(t) Physical Solution – (Prior Judgment Section 4(s)) The Court decreed method of managing the waters of the Basin so as to achieve the maximum utilization of the Basin and its water supply, consistent with the rights herein declared.

(u) Prescriptive Pumping Right – (Prior Judgment Section 4(t)) The highest continuous extractions of water by a Pumper from the Basin for beneficial use in any five (5) consecutive years after commencement of Overdraft and prior to filing of this action, as to which there has been no cessation of use by that Pumper during any subsequent period of five (5) consecutive years, prior to the said filing of this action.

(v) Produce or Producing – (Prior Judgment Section 4(u)) To Pump or Divert Water.

(w) Producer – (Prior Judgment Section 4(v)) A party who Produces water.

(x) Production – (Prior Judgment Section 4(w)) The annual quantity of water Produced, stated in acre feet.

(y) Pump or Pumping – (Prior Judgment Section 4(x)) To extract Ground Water from the Basin by Pumping or any other method.

(z) Pumper – (Prior Judgment Section 4(y)) Any party who Pumps water.

(aa) Pumper's Share – (Prior Judgment Section 4(z)) A Pumper's right to a percentage of the entire Natural Safe Yield, Operating Safe Yield and appurtenant Ground Water storage.

(bb) Relevant Watershed – (Prior Judgment Section 4(aa)) That portion of the San Gabriel River watershed tributary to Whittier Narrows which is shown as such on Exhibit "A", and the exterior boundaries of which are described in Exhibit "B".

(cc) Replacement Water – (Prior Judgment Section 4(bb)) Water purchased by Watermaster to replace: (1) Production in excess of a Pumper's Share of Operating Safe Yield; (2) The consumptive use portion resulting from the exercise of an Overlying Right; and (3) Production in excess of a Diverter's right to Divert for Direct Use.

(dd) Responsible Agency – (Prior Judgment Section 4(cc)) The municipal water

district which is the normal and appropriate source from whom Watermaster shall purchase Supplemental Water for replacement purposes under the Physical Solution, being one of the following:

(1) Upper District – Upper San Gabriel Valley Municipal Water District, a member public agency of the Metropolitan Water District of Southern California (MWD).

(2) San Gabriel District – San Gabriel Valley Municipal Water District, which has a direct contract with the State of California for State Project Water.

(3) Three Valleys District – Three Valleys Municipal Water District, formerly, "Pomona Valley Municipal Water District", a member public agency of MWD.

(ee) Stored Water – (Prior Judgment Section 4(dd)) Supplemental Water stored in the Basin pursuant to a contract with Watermaster as authorized by Section 34(n).

(ff) Supplemental Water – (Prior Judgment Section 4(ee)) Nontributary water imported through a Responsible Agency and reclaimed water or water obtained from other available sources when water is not available in a timely fashion from a Responsible Agency. (Amended 6/21/12)

(gg) Transporting Parties – (Prior Judgment Section 4(ff)) Any party presently transporting water (i.e., during the 12 months immediately preceding the making of the findings herein) from the Relevant Watershed or Basin to an area outside thereof, and any party presently or hereafter having an interest in lands or having a service area outside the Basin or Relevant Watershed contiguous to lands in which it has an interest or a service area within the Basin or Relevant Watershed. Division by a road, highway, or easement shall not interrupt contiguity. Said term shall also include the City of Sierra Madre, or any party supplying water thereto, so long as the corporate limits of said City are included within one of the Responsible Agencies and if said City, in order to supply water to its corporate area from the Basin, becomes a party to this action bound by this Judgment.

(hh) Water Level – (Prior Judgment Section 4(gg)) The measured Elevation of water in the Key Well, corrected for any temporary effects of mounding caused by replenishment or local depressions caused by Pumping.

(ii) Year – (Prior Judgment Section 4(hh)) A calendar year, unless the context clearly indicates a contrary meaning.

(jj) Reclaimed Water – Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur. (Amended 4/2/91)

11. Exhibits. (Prior Judgment Section 5) The following exhibits are attached to this Judgment and incorporated herein by this reference:

Exhibit "A" – Map entitled, "San Gabriel River Watershed Tributary to Whittier Narrows", showing the boundaries and relevant geologic and hydrologic features in the portion of the watershed of the San Gabriel River lying upstream from Whittier Narrows.

Exhibit "B" – Boundaries of Relevant Watershed.

Exhibit "C" – Table Showing Base Annual Diversion Rights of Certain Diverters.

Exhibit "D" – Table Showing Prescriptive Pumping Rights and Pumper's Share of Each Pumper.

Exhibit "E" – Table Showing Production Rights of Each Integrated Producer.

Exhibit "F" – Table Showing Special Category Rights.

Exhibit "G" – Table Showing Non-consumptive Users.

Exhibit "H" – Watermaster Operating Criteria.

Exhibit "J" – Puente Narrows Agreement.

Exhibit "K" – Overlying Rights, Nature of Overlying Right, Description of Overlying Lands to which Overlying Rights are Appurtenant, Producers Entitled to Exercise Overlying Rights and their Respective Consumptive Use Portions, and Map of Overlying Lands.

Exhibit "L" – (New) List of Producers And Their Designees, as of June 2012.

Exhibit "M" – (New) Watermaster Members, Officers and Staff, Including

Calendar Year 2012.

II. DECREE

NOW, THEREFORE, IT IS HEREBY DECLARED, ORDERED, ADJUDGED AND DECREED:

A. DECLARATION OF HYDROLOGIC CONDITIONS

12. Basin as Common Source of Supply. (Prior Judgment Section 6) The area shown on Exhibit "A" as Main San Gabriel Basin overlies a Ground Water basin. The Relevant Watershed is the watershed area within which rights are herein adjudicated. The waters of the Basin and Relevant Watershed constitute a common source of natural water supply to the parties herein.

13. Determination of Natural Safe Yield. (Prior Judgment Section 7) The Natural Safe Yield of the Main San Gabriel Basin is found and declared to be one hundred fifty-two thousand seven-hundred (152,700) acre-feet under Calendar Year 1967 cultural conditions.

14. Existence of Overdraft. (Prior Judgment Section 8) In each and every Calendar year commencing with 1953, the Basin has been and is in Overdraft.

B. DECLARATION OF RIGHTS

15. Prescription. (Prior Judgment Section 9) The use of water by each and all parties and their predecessors in interest has an open, notorious, hostile, adverse, under claim of right, and with notice of said overdraft continuously from January 1, 1953 to January 4, 1973. The rights of each party herein declared are prescriptive in nature. The following aggregate consequences of said prescription within the Basin and Relevant Watershed are hereby declared:

(a) Prior Prescription. Diversions within the Relevant Watershed have created rights for direct consumptive use within the Basin, as declared and determined in Sections 16 and 18 hereof, which are of equal priority inter se, but which are prior and paramount to Pumping Rights in the Basin.

(b) Mutual Prescription. The aggregate Prescriptive Pumping Rights of the parties who are Pumpers now exceed, and for many years prior to filing of this action, have exceeded, the Natural Safe Yield of the Basin. By reason of said condition, all

rights of said Pumpers are declared to be mutually prescriptive and of equal priority, inter se.

(c) Common Ownership of Safe Yield and Incidents Thereto. By reason of said Overdraft and mutual Prescription, the entire Natural Safe Yield of the Basin, the Operating Safe Yield thereof and the appurtenant rights to Ground Water storage capacity of the Basin are owned by Pumpers in undivided Pumpers' Shares as hereinafter individually declared, subject to the control of Watermaster, pursuant to the Physical Solution herein decreed. Nothing herein shall be deemed in derogation of the rights to spread water pursuant to rights set forth in Exhibit "G".

16. Surface Rights. (Prior Judgment Section 10) Certain of the aforesaid prior and paramount prescriptive water rights of Diverters to Divert for Direct Use stream flow within the Relevant Watershed are hereby declared and found in terms of Base Annual Diversion Right as set forth in Exhibit "C". Each Diverter shown on Exhibit "C" shall be entitled to Divert for Direct Use up to two hundred percent (200%) of said Base Annual Diversion Right in any one (1) Fiscal Year; provided that the aggregate quantities of water Diverted in any consecutive ten (10) Fiscal Year period shall not exceed ten (10) times such Diverter's Base Annual Diversion Right.

17. Ground Water Rights. (Prior Judgment Section 11) The Prescriptive Pumping Right of each Pumper, who is not an Integrated Producer, and his Pumper's Share are declared as set forth in Exhibit "D".

18. Optional Integrated Production Rights. (Prior Judgment Section 12) Those parties listed on Exhibit "E" have elected to be treated as Integrated Producers. Integrated Production Rights have two (2) historical components:

(1) a fixed component based upon historic Diversions for Direct Use; and

(2) a mutually prescriptive Pumper's Share component based upon Pumping during the period 1953 through 1967.

Assessment and other Watermaster regulation of the rights of such parties shall relate to and be based upon each such component. So far as future exercise of such rights is concerned,

however, the gross quantity of the aggregate right in any Fiscal Year may be exercised, in the sole discretion of such party, by either Diversion or Pumping or any combination or apportionment thereof; provided, that for Assessment purposes the first water Produced in any Fiscal Year (other than "Carry-over", under Section 49 hereof) shall be deemed an exercise of the Diversion Component, and any Production over said quantity shall be deemed Pumped water, regardless of the actual method of Production.

19. Special Category Rights. (Prior Judgment Section 13) The parties listed on Exhibit "F" have water rights in the Relevant Watershed which are not ordinary Production rights. The nature of each such right is as described in Exhibit "F".

20. Non-consumptive Practices. (Prior Judgment Section 14) Certain Producers have engaged in Water Diversion and spreading practices which have caused such Diversions to have a non-consumptive or beneficial impact upon the aggregate water supply available in the Basin. Said parties, and a statement of the nature of their rights, uses and practices, are set forth in Exhibit "G". The Physical Solution decreed herein, and particularly its provisions for Assessments, shall not apply to such non-consumptive uses. Watermaster may require reports on the operations of said parties.

21. Overlying Rights. (Prior Judgment Section 14.5) Producers listed in Exhibit "K" hereto were not parties herein at the time of the original entry of Judgment herein. They have exercised in good faith Overlying Rights to Produce water from the Basin during the periods subsequent to the entry of Judgment herein and have by self-help initiated or maintained appurtenant Overlying Rights. Such rights are exercisable without quantitative limit only on specifically described Overlying Land and cannot be separately conveyed or transferred apart therefrom. As to such rights and their exercise, the owners thereof shall become parties to this action and be subject to Watermaster Replacement Water assessments under Section 45(b) hereof, sufficient to purchase Replenishment Water to offset the net consumptive use of such Production and practices. In addition, the gross amount of such Production for such overlying use shall be subject to Watermaster Administration Assessments under Section 45(a) hereof and the consumptive use portion of such Production for overlying use shall be subject to

Watermaster's In-Lieu Water Cost Assessments under Section 45(d) hereof. The Producers presently entitled to exercise Overlying Rights, a description of the Overlying Land to which Overlying Rights are appurtenant, the nature of use and the consumptive use portion thereof are set forth in Exhibit "K" hereto. Watermaster may require reports and make inspections of the operations of said parties for purposes of verifying the uses set forth in said Exhibit "K", and, in the event of a material change, to redetermine the net amount of consumptive use by such parties as changed, in the exercise of such Overlying Rights.

Annually, during the first two (2) weeks of June in each calendar year, such Overlying Rights Producers shall submit to Watermaster a verified statement as to the nature of the then current uses of said Overlying Rights on said Overlying Lands for the next ensuing Fiscal Year, whereupon Watermaster shall either affirm the prior determination or redetermine the net amount of the consumptive use portion of the exercise of such Overlying Right by said Overlying Rights Producer.

C. INJUNCTION

22. Injunction Against Unauthorized Production. (Prior Judgment Section 15) Effective July 1, 1973, each and every party, its officers, agents, employees, successors and assigns, to whom rights to waters of the Basin or Relevant Watershed have been declared and decreed herein is **ENJOINED AND RESTRAINED** from Producing water for Direct Use from the Basin or the Relevant Watershed except pursuant to rights and Pumpers' Shares herein decreed or which may hereafter be acquired by transfer pursuant to Section 55, or under the provisions of the Physical Solution in this Judgment and the Court's continuing jurisdiction, provided that no party is enjoined from Producing up to five (5) acre feet per Fiscal Year.

23. Injunction re Non-consumptive Uses. (Prior Judgment Section 16) Each party listed in Exhibit "G", its officers, agents, employees, successors and assigns, is **ENJOINED AND RESTRAINED** from materially changing said non-consumptive method of use.

24. Injunction re Change in Overlying Use Without Notice Thereof to Watermaster. (Prior Judgment Section 16.5) Each party listed in Exhibit "K", its officers, agents, employees, successors and assigns, is **ENJOINED AND RESTRAINED** from materially changing said

overlying uses at any time without first notifying Watermaster of the intended change of use, in which event Watermaster shall promptly redetermine the consumptive use portion thereof to be effective after such change.

25. Injunction Against Unauthorized Recharge. (Prior Judgment Section 17) Each party, its officers, agents, employees, successors and assigns, is **ENJOINED AND RESTRAINED** from spreading, injecting or otherwise recharging water in the Basin except pursuant to: (a) an adjudicated non-consumptive use, or (b) consent and approval of or Cyclic Storage Agreement with Watermaster, or (c) subsequent order of this Court.

26. Injunction Against Transportation from Basin or Relevant Watershed. (Prior Judgment Section 18) Except upon further order of Court and except as provided in section 34(r) herein, all parties, other than Transporting Parties and MWD in its exercise of its Special Category Rights, to the extent authorized therein, are **ENJOINED AND RESTRAINED** from transporting water hereafter Produced from the Relevant Watershed or Basin outside the areas thereof. For purposes of this Section, water supplied through a city water system which lies chiefly within the Basin shall be deemed entirely used within the Basin. Transporting Parties are entitled to continue to transport water to the extent that any Production of water by any such party does not violate the injunctive revisions contained in Section 22 hereof; provided that said water shall be used within the present service areas or corporate or other boundaries and additions thereto so long as such additions are contiguous to the then existing service area or corporate or other boundaries; except that a maximum of ten percent (10%) of use in any Fiscal Year may be outside said then existing service areas or corporate or other boundaries. Notwithstanding the foregoing and without in any way changing or limiting the Transporting Parties' entitlement to transport water as set forth herein, any party may enter into an agreement with Watermaster to store Supplemental Water and export said stored Supplemental Water under specific terms and conditions approved by Watermaster. Such storage and export shall be subject to (1) a determination by Watermaster that no material injury to the Basin or parties will result therefrom; (2) execution of an agreement with Watermaster setting forth the terms and conditions upon which water may be stored in or exported from the Basin; and (3) compliance

with Watermaster Rules and Regulations respecting Basin storage and export. (Amended 6/21/12)

D. CONTINUING JURISDICTION

27. Jurisdiction Reserved. (Prior Judgment Section 19) Full jurisdiction, power and authority are retained by and reserved to the Court for purposes of enabling the Court upon application of any party or of the Watermaster, by motion and upon at least thirty (30) days notice thereof, and after hearing thereon, to make such further or supplemental orders or directions as may be necessary or appropriate for interim operation before the Physical Solution is fully operative, or for interpretation, enforcement or carrying out of this Judgment, and to modify, amend or amplify any of the provisions of this Judgment or to add to the provisions thereof consistent with the rights herein decreed. Provided, that nothing in this paragraph shall authorize:

(1) modification or amendment of the quantities specified in the declared rights of any party;

(2) modification or amendment of the manner of exercise of the Base Annual Diversion Right or Integrated Production Right of any party; or

(3) the imposition of an injunction prohibiting transportation outside the Relevant Watershed or Basin as against any Transporting Party transporting in accordance with the provisions of this Judgment or against MWD as to its Special Category Rights.

E. WATERMASTER

28. Watermaster to Administer Judgment. (Prior Judgment Section 20) A Watermaster comprised of nine (9) persons, to be nominated as hereinafter provided and appointed by the Court, shall administer and enforce the provisions of this Judgment and any subsequent instructions or orders of the Court thereunder.

29. Qualification, Nomination and Appointment. (Prior Judgment Section 21) The nine (9) member Watermaster shall be composed of six (6) Producer representatives and three (3) public representatives qualified, nominated and appointed as follows:

(a) Qualification. Any adult citizen of the State of California shall be eligible to serve as Watermaster; provided, however, that no officer, director, employee or agent of Upper District or San Gabriel District shall be qualified as a Producer member of Watermaster.

(b) Nomination of Producer Representatives. A meeting of all parties shall be held at the regular meeting of Watermaster in November of each year, at the offices of Watermaster. Nomination of the six (6) Producer representatives shall be by cumulative voting, in person or by proxy, with each Producer entitled to one (1) vote for each one hundred (100) acre-feet, or portion thereof, of Base Annual Diversion Right or Prescriptive Pumping Right or Integrated Production Right.

(c) Nomination of Public Representatives. On or before the regular meeting of Watermaster in November of each year, the three (3) public representatives shall be nominated by the boards of directors of Upper District (which shall select two [2]) and San Gabriel District (which shall select one [1]). Said nominees shall be members of the board of directors of said public districts.

(d) Appointment. All Watermaster nominations shall be promptly certified to the Court, which will in ordinary course confirm the same by an appropriate order appointing said Watermaster; provided, however, that the Court at all times reserves the right and power to refuse to appoint, or to remove, any member of Watermaster. Notwithstanding section 27 herein, Watermaster nominations may be promptly certified by the Court upon 10 calendar days' notice thereof, plus the time prescribed by statute for service by mail, e-mail or other electronic means. (Amended 6/21/12)

30. Term and Vacancies. (Prior Judgment Section 22) Each member of Watermaster shall serve for a one (1) year term commencing on January 1, following his appointment, or until his successor is appointed. In the event of a vacancy on Watermaster, a successor shall be nominated at a special meeting to be called by Watermaster within ninety (90) days (in the case of a Producer representative) or by action of the appropriate district board of directors (in the case of a public representative).

31. Quorum. (Prior Judgment Section 23) Five (5) members of the Watermaster shall constitute a quorum for the transaction of affairs of the Watermaster. Action by the affirmative vote of five (5) members shall constitute action by Watermaster, except that the affirmative vote of six (6) members shall be required:

(a) to approve the purchase, spreading or injection of water for Ground Water recharge, or

(b) to enter in any Agreement pursuant to Section 34 (n) hereof.

32. Compensation. (Prior Judgment Section 24) Each Watermaster member shall receive compensation of One Hundred Dollars ($100.00) per day for each day's attendance at meetings of Watermaster or for each day's service rendered as a Watermaster member at the request of Watermaster, together with any expenses incurred in the performance of his duties required or authorized by Watermaster. No member of the Watermaster shall be employed by or compensated for professional services rendered by him to Watermaster, other than the compensation herein provided, and any authorized travel or related expense.

33. Organization. (Prior Judgment Section 25) At its first meeting in each year, Watermaster shall elect a chairman and a vice chairman from its membership. It shall also select a secretary, a treasurer and such assistant secretaries and assistant treasurers as may be appropriate, any of whom may, but need not be, members of Watermaster.

(a) Minutes. Minutes of all Watermaster meetings shall be kept, which shall reflect all actions taken by Watermaster. Draft copies thereof shall be furnished to any party who files a request therefor in writing with Watermaster. Said draft copies of minutes shall constitute notice of any Watermaster action therein reported; failure to request copies thereof shall constitute waiver of notice.

(b) Regular Meetings. Watermaster shall hold regular meetings at places and times to be specified in Watermaster's rules and regulations to be adopted by Watermaster. Notice of the scheduled or regular meetings of Watermaster and of any changes in the time or place thereof shall be mailed to all parties who shall have filed a request therefor in writing with Watermaster.

(c) Special Meetings. Special meetings of Watermaster may be called at any time by the chairman or vice chairman or by any three (3) members of Watermaster by written notice delivered personally or mailed to each member of Watermaster and to each party requesting notice, at least twenty-four (24) hours before the time of each such meeting in the case of personal delivery, and forty-eight (48) hours prior to such meeting in the case of mail. The calling notice shall specify the time and place of the special meeting and the business to be transacted at such meeting. No other business shall be considered at such meeting.

(d) Adjournments. Any meeting of Watermaster may be adjourned to a time and place specified in the order of adjournment. Less than a quorum may so adjourn from time to time. A copy of the order or notice of adjournment shall be conspicuously posted on or near the door of the place where the meeting was held within twenty-four (24) hours after adoption of the order of adjournment.

34. Powers and Duties. (Prior Judgment Section 26) Subject to the continuing supervision and control of the Court, Watermaster shall have and may exercise the following express powers, and shall perform the following duties, together with any specific powers, authority and duties granted or imposed elsewhere in this Judgment or hereafter ordered or authorized by the Court in the exercise of its continuing jurisdiction.

(a) Rules and Regulations. To make and adopt any and all appropriate rules and regulations for conduct of Watermaster affairs. A copy of said rules and regulations and any amendments thereof shall be mailed to all parties.

(b) Acquisition of Facilities. To purchase, own, lease, acquire and hold, as trustee for the benefit of the Parties, all necessary personal property and equipment, and such limited real property such as office quarters, monitoring wells, the key well, and other facilities necessary to fulfill Watermaster's basin management responsibilities under this Judgment. (Amended 6/21/12)

(c) Employment of Experts and Agents. To employ such administrative personnel, engineering, geologic, accounting, legal, public policy education or other

specialized services (but not including registered lobbyists) and consulting assistants as may be deemed appropriate in the carrying out of its powers and to require appropriate bonds from all officers and employees handling Watermaster funds. (Amended 6/21/12)

(d) Measuring Devices, etc. To cause parties, pursuant to uniform rules, to install and maintain in good operating condition, at the cost of each party, such necessary measuring devices or meters as may be appropriate; and to inspect and test any such measuring device as may be necessary.

(e) Assessments. To levy and collect all Assessments specified in the Physical Solution.

(f) Investment of Funds. To hold and invest any and all funds which Watermaster may possess in investments authorized from time to time for public agencies in the State of California.

(g) Borrowing. To borrow in anticipation of receipt of Assessment proceeds an amount not to exceed the annual amount of Assessments levied but uncollected, or in accordance with the provisions of Sections 45 and 46 hereto. Upon approval by the Watermaster at its regularly scheduled public meeting, when necessary to secure Supplemental Water, Watermaster may borrow funds in excess of the annual amount of Assessments levied but uncollected. Prior to borrowing funds, Watermaster shall meet and confer with Responsible Agencies and seek their input. Watermaster shall adopt Rules and Regulations specifying: (i) how debt repayment will be allocated among the Parties; (ii) that Watermaster obtain prior approval of the Court before incurring debt that exceeds the total of one year's levied Assessments; and (iii) such other matters as Watermaster deems appropriate for Rules and Regulations respecting the purchase of Supplemental Water using debt. (Amended 6/21/12)

(h) Purchase of and Recharge with Supplemental Water. To purchase Supplemental Water and to introduce the same into the Basin, including Reclaimed Water, for replenishment, Replacement Water, and cyclic storage purposes in the Basin subject to the affirmative vote of six (6) members of Watermaster, provided, the

California Department of Public Health and the Los Angeles Regional Water Quality Control Board have approved such Reclaimed Water for said uses, Watermaster has given prior notice to all parties of its intention to use said Reclaimed Water for such purposes, held noticed hearings thereon, and approves such uses. Reclaimed Water used by Watermaster as Supplemental Water for said purposes shall not be a violation of Sections 3(b) or 3(c) of Exhibit "H" hereto. (Amended 4/2/91 and 6/21/12)

(i) Contracts. To enter into contracts for the performance of any administrative powers herein granted, subject to approval of the Court.

(j) Cooperation with Existing Agencies. To act jointly or cooperate with agencies of the United States and the State of California or any political subdivision, municipality or district to the end that the purposes of the Physical Solution may be fully and economically carried out. (Amended 6/21/12)

(k) Assumption of Make-Up Obligation. Watermaster shall assume the Make-Up Obligation for and on behalf of the Basin.

(m) Water Quality. Water quality in the Basin shall be a concern of Watermaster, and all reasonable steps shall be taken to assist and encourage appropriate regulatory agencies to enforce reasonable water quality regulations affecting the Basin, including regulation of solid and liquid waste disposal.

(n) Cyclic Storage Agreements. To enter into appropriate contracts, to be approved by the Court, for utilization of Ground Water storage capacity of the Basin for cyclic or regulatory storage of Supplemental Water by parties and non-parties, for subsequent recovery or Watermaster credit by the storing entity, pursuant to uniform rules and conditions, which shall include provision for:

(1) Watermaster control of all spreading or injection and extraction scheduling and procedures for such stored water;

(2) calculation by Watermaster of any special costs, damages or burdens resulting from such operations;

(3) determination by Watermaster of, and accounting for, all losses in

stored water, assuming that such stored water floats on top of the Ground Water supplies, and accounting for all losses of water which otherwise would have replenished the Basin, with priorities being established as between two or more such contractors giving preference to parties over non-parties; and

(4) payment to Watermaster for the benefit of the parties hereto of all special costs, damages or burdens incurred (without any charge, rent, assessment or expense as to parties hereto by reason of the adjudicated proprietary character of said storage rights, nor credit or offset for benefits resulting from such storage); provided, that no party shall have any direct interest in or control over such contracts or the operation thereof by reason of the adjudicated right of such party, the Watermaster having sole custody and control of all Ground Water storage rights in the Basin pursuant to the Physical Solution herein, and subject to review of the Court.

(o) Notice List. Maintain a current list of party designees to receive notice hereunder, in accordance with Section 54 hereof.

(p) Authority to Sue. To prosecute litigation, engage in dispute resolution and file amicus curiae briefs in the furtherance of Watermaster's responsibilities under this Judgment. (Amended 6/21/12)

(q) Public Policy Education. To perform public policy education activities in furtherance of Watermaster's responsibilities under this Judgment. (Amended 6/21/12)

(r) Export Agreements. Watermaster may fix terms and conditions under which parties and non-parties may store Supplemental Water in and export said stored Supplemental Water from the Basin. (Amended 6/21/12)

35. Policy Decisions – Procedure. (Prior Judgment Section 27) It is contemplated that Watermaster will exercise discretion in making policy decisions relating to Basin management under the Physical Solution decreed herein. In order to assure full participation and opportunity to be heard for those affected, no policy decision shall be made by Watermaster until thirty (30) days after the question involved has been raised for discussion at a Watermaster

meeting and noted in the draft of minutes thereof.

36. Reports. (Prior Judgment Section 28) Watermaster shall annually file with the Court and mail to the parties a report of all Watermaster activities during the preceding year, including an audited statement of all accounts and financial activities of Watermaster, summary reports of Diversions and Pumping, and all other pertinent information. To the extent practical, said report shall be mailed to all parties on or before November 1. The tables set forth in Exhibits C, D, E, K, L and M are listed for reference purposes only. Future updates to those exhibits shall be set forth in the Watermaster annual report. In lieu of mailing the annual report, Watermaster in its discretion may post the report on its website, mail or e-mail a notice of availability to the parties, and/or provide a hard copy of the report upon request. If a party does not have a valid e-mail address or internet access, that party shall identify an alternative method of service to be approved by Watermaster in its sole discretion. (Amended 6/21/12)

37. Review Procedures. (Prior Judgment Section 29) Any action, decision, rule or procedure of Watermaster (other than a decision establishing Operating Safe Yield, see Section 43(c)) shall be subject to review by the Court on its own motion or on timely motion for an Order to Show Cause by any party, as follows:

(a) Effective Date of Watermaster Action. Any order, decision or action of Watermaster shall be deemed to have occurred on the date that written notice thereof is mailed. Mailing of draft copies of Watermaster minutes to the parties requesting the same shall constitute notice to all such parties.

(b) Notice of Motion. Any party may, by a regularly noticed motion, petition the Court for review of said Watermaster's action or decision. Notice of such motion shall be mailed to Watermaster and all parties. Unless so ordered by the Court, such petition shall not operate to stay the effect of such Watermaster action.

(c) Time for Motion. Notice of motion to review any Watermaster action or decision shall be served and filed within ninety (90) days after such Watermaster action or decision.

(d) De Novo Nature of Proceeding. Upon filing of such motion for hearing, the

Court shall notify the parties of a date for taking evidence and argument, and shall review de novo the question at issue on the date designated. The Watermaster decision or action shall have no evidentiary weight in such proceeding.

(e) Decision. The decision of the Court in such proceeding shall be an appealable Supplemental Order in this case. When the same is final, it shall be binding upon the Watermaster and the parties.

F. PHYSICAL SOLUTION

38. Purpose and Objective. (Prior Judgment Section 30) Consistent with the California Constitution and the decisions of the Supreme Court, the Court hereby adopts and Orders the parties to comply with this Physical Solution. The purpose and objective of these provisions is to provide a legal and practical means for accomplishing the most economic, long term, conjunctive utilization of surface, Ground Water, Supplemental Water and Ground Water storage capacity to meet the needs and requirements of the water users dependent upon the Basin and Relevant Watershed, while preserving existing equities.

39. Need for Flexibility. (Prior Judgment Section 31) In order that Watermaster may be free to utilize both existing and new and developing technological, social and economic concepts for the fullest benefit of all those dependent upon the Basin, it is essential that the Physical Solution hereunder provide for maximum flexibility and adaptability. To that end, the Court has retained continuing jurisdiction to supplement the broad discretion herein granted to the Watermaster.

40. Watermaster Control. (Prior Judgment Section 32) In order to develop an adequate and effective program of Basin management, it is essential that Watermaster have broad discretion in the making of Basin management decisions within the ambit hereinafter set forth. The maintenance, improvement, and control of the water quality and quantity of the Basin, withdrawal and replenishment of supplies of the Basin and Relevant Watershed, and the utilization of the water resources thereof, must be subject to procedures established by Watermaster in implementation of the provisions of this Judgment. Both the quantity and quality of said water resource are thereby preserved and its beneficial utilization maximized.

(Amended 1/29/91)

(a) Watermaster shall develop an adequate and effective program of Basin management. The maintenance, improvement, and control of the water quality and quantity of the Basin, withdrawal and replenishment of supplies of the Basin and Relevant Watershed, and the utilization of the water resources thereof, must be subject to procedures established by Watermaster in implementation of the Physical Solution provisions of this Judgment. All Watermaster programs and procedures shall be adopted only after a duly noticed public hearing pursuant to Section 37 and 40 of the Amended Judgment herein. (Amended 1/29/91)

(b) Watermaster shall have the power to control pumping in the Basin by water Producers therein for Basin cleanup and water quality control so that specific well production can be directed as to a lesser amount, to total cessation, as to an increased amount, and even to require pumping in a new location in the Basin. Watermaster's right to regulate pumping activities of Producers shall be subordinate to any conflicting Basin cleanup plan established by the EPA or other public governmental agency with responsibility for ground water management or clean up, whether existing at the time of this Judgment or subsequent hereto. (Amended 2/24/92)

(c) Watermaster may act individually or participate with others to carry on technical and other necessary investigations of all kinds and collect data necessary to carry out the herein stated purposes. It may engage in contractual relations with the EPA or other agencies in furtherance of the clean up of the Basin and enter into contracts with agencies of the United States, the State of California, or any political subdivision, municipality, or district thereof, to the extent allowed under the applicable federal or state statutes. Any cooperative agreement between the Watermaster and EPA shall require the approval of the appropriate Agency(s) of the State of California. (Amended 1/29/91)

(d) For the regulation and control of pumping activity in the Basin, Watermaster shall adopt Rules and Regulations and programs to promote, manage and accomplish

clean up of the Basin and its waters, including, but not limited to, measures to confine, move, and remove contaminants and pollutants. Such Rules and Regulations and programs shall be adopted only after a duly Noticed Public Hearing by Watermaster and shall be subject to Court review pursuant to Section 37 of the Amended Judgment herein. (Amended 1/29/91)

(e) Watermaster shall determine whether funds from local, regional, state or federal agencies are available for regulating pumping and the various costs associated with, or arising from such activities. If no public funds are available from local, regional, state, or federal agencies, the costs shall be obtained and paid by way of an In-Lieu Assessment by Watermaster pursuant to Section 10(j) of the Amended Judgment herein. Provided such In-Lieu Assessments become necessary, the costs shall be borne by all Basin Producers. (Amended 1/29/91)

(f) Watermaster is a Court empowered entity with limited powers, created pursuant to the Court's Physical Solution Jurisdiction under Article X, Section 2 of the California Constitution. None of the powers granted herein to Watermaster shall be construed as designating Watermaster a political subdivision of the State of California or authorizing Watermaster to act as "lead agency" to administer the federal Superfund for clean up of the Basin. (Amended 1/29/91)

41. General Pattern of Contemplated Operations. (Prior Judgment Section 33) In general outline (subject to the specific provisions hereafter and to Watermaster Operating Criteria set forth in Exhibit "H"), Watermaster will determine annually the Operating Safe Yield of the Basin and will notify each Pumper of his share thereof, stated in acre feet per Fiscal Year. Thereafter, no party may Produce in any Fiscal Year an amount in excess of the sum of his Diversion Right, if any, plus his Pumper's Share of such Operating Safe Yield, or his Integrated Production Right, or the terms of any Cyclic Storage Agreement, without being subject to Assessment for the purpose of purchasing Replacement Water. In establishing the Operating Safe Yield, Watermaster shall follow all physical, economic, and other relevant parameters provided in the Watermaster Operating Criteria. Watermaster shall have Assessment powers to

raise funds essential to implement the management plan in any of the several special circumstances herein described in more detail.

42. Basin Operating Criteria. (Prior Judgment Section 34) Until further order of the Court, Watermaster shall recharge Replacement Water in accordance with the Watermaster Operating Criteria and, insofar as practicable, to maintain the water level at the Key Well above Elevation two hundred (200). (Amended 6/21/12)

43. Determination of Operating Safe Yield. (Prior Judgment Section 35) Watermaster shall annually determine the Operating Safe Yield applicable to the succeeding Fiscal Year and estimate the same for the next succeeding four (4) Fiscal Years. In making such determination, Watermaster shall be governed in the exercise of its discretion by the Watermaster Operating Criteria. The procedures with reference to said determination shall be as follows:

(a) Preliminary Determination. On or before Watermaster's first meeting in April of each year, Watermaster shall make a Preliminary Determination of the Operating Safe Yield of the Basin for each of the succeeding five Fiscal Years. Said determination shall be made in the form of a report containing a summary statement of the considerations, calculations and factors used by Watermaster in arriving at said Operating Safe Yield.

(b) Notice and Hearing. A copy of said Preliminary Determination and report shall be mailed to each Pumper and Integrated Producer at least ten (10) days prior to a hearing to be held at Watermaster's regular meeting in May, of each year, at which time objections or suggested corrections or modifications of said determinations shall be considered. Said hearing shall be held pursuant to procedures adopted by Watermaster.

(c) Watermaster Determination and Review Thereof. Within thirty (30) days after completion of said hearing, Watermaster shall mail to each Pumper and Integrated Producer a final report and determination of said Operating Safe Yield for each such Fiscal Year, together with a statement of the Producer's entitlement in each such Fiscal Year stated in acre-feet. Any affected party, within thirty (30) days of mailing of notice

of said Watermaster determination, may, by a regularly noticed motion, petition the Court for an Order to Show Cause for review of said Watermaster finding, and thereupon the Court shall hear such objections and settle such dispute. Unless so ordered by the Court, such petition shall not operate to stay the effect of said report and determination. In the absence of such review proceedings, the Watermaster determination shall be final.

44. Reports of Pumping and Diversion. (Prior Judgment Section 36) Each party shall file with the Watermaster quarterly, on or before the last day of January, April, July and October, a report on a form to be prescribed by Watermaster showing the total Pumping and Diversion (separately for Direct Use and for non-consumptive use, if any) of such party during the preceding calendar quarter.

45. Assessments – Purpose. (Prior Judgment Section 37)

(a) Statement of Authority and Need for Flexibility: Watermaster shall have the power to levy and collect Assessments from the parties (other than non-consumptive users, or Production under Special Category Rights or Cyclic Storage Agreements) based upon Production during the preceding Fiscal Year. Assessments on Minimal Producers will apply only to (1) existing parties who become Minimal Producers in the future; and (2) Minimal Producers who intervene after June 21, 2012. Because Supplemental Water may not be available for extended periods of time, Watermaster requires flexibility with respect to the procedures for purchasing Supplemental Water supplies, as and when those supplies become available. This Judgment is a Physical Solution entered pursuant to California Constitution Article X, Section 2, which recognizes that the timing and amount of Watermaster Assessments for Replacement Water costs must be determined in light of this uncertainty. This Judgment therefore grants Watermaster the flexibility and discretion necessary to purchase and pre-purchase Supplemental Water and levy assessments in an appropriate and equitable manner and amount to maximize the opportunities to secure necessary Supplemental Waters in the best interest of the parties and the long-term sustainability of the Basin. In accordance with Rules and Regulations adopted by Watermaster, to further enhance flexibility, Watermaster may borrow money

from any available fund maintained by it for purposes other than Replacement Water purchases, or use accrued funds, to purchase Supplemental Water. (Amended 6/21/12)

(b) Authorized Assessments: Said Assessments may be for one or more of the following purposes:

(1) Watermaster Administration Costs. (Former Section 45(a)) Within thirty (30) days after completion of the hearing on the Preliminary Determination of the Operating Safe Yield of the Basin and Watermaster's determination thereof, pursuant to Section 43 hereof, Watermaster shall adopt a proposed budget for the succeeding Fiscal Year and shall mail a copy thereof to each party, together with a statement of the level of Administration Assessment levied by Watermaster which will be collected for purposes of raising funds for said budget. Said Assessment shall be uniformly applicable to each acre-foot of Production. (Amended 6/21/12)

(2) Replacement Water Costs. (Former Section 45(b)) Replacement Water Assessments shall be collected from each party on account of such party's Production in excess of its Diversion Rights, Pumper's Share or Integrated Production Right, and on account of the consumptive use portion of Overlying Rights, computed at the applicable rate established by Watermaster consistent with the Watermaster Operating Criteria, and other relevant factors, including the projected cost and availability of Supplemental Water supplies. Subject to Rules and Regulations adopted by Watermaster, Watermaster Replacement Water Assessment rates may be in an amount calculated to allow Watermaster to purchase more than one acre-foot of Supplemental Water for each acre-foot of excess Production to which such Assessment applies, when such purchases are necessary to secure Supplemental Water supplies for the benefit of the Basin and parties. (Amended 6/21/12)

(3) Make-Up Obligation. (Former Section 45(c)) An Assessment shall be collected equally on account of each acre-foot of Production, which does not

bear a Replacement Assessment hereunder, to pay all necessary costs of Administration and satisfaction of the Make-Up Obligation. Such Assessment shall not be applicable to water Production for an Overlying Right.

(4) In-Lieu Water Cost. (Former Section 45(d)) Watermaster may levy an Assessment against all Pumping to pay reimbursement for In-Lieu Water Costs except that such Assessment shall not be applicable to the non-consumptive use portion of an Overlying Right.

(5) Basin Water Quality Improvement. (Former Section 45(e)) For purposes of testing, protecting or improving the water quality in the Basin, Watermaster may, after a noticed hearing thereon, fix terms and conditions under which it may waive all or any part of its Assessments on such ground water Production and if such Production, in addition to his other Production, does not exceed such Producer's Share or entitlement for that Fiscal Year, such stated Production shall be allowed to be carried over for a part of such Producer's next Fiscal Year's Producer's Share or entitlement. In connection therewith, Watermaster may also waive the provisions of Section 25, 26 and 57 hereof, relating to Injunction Against Unauthorized Recharge, Injunction Against Transportation From Basin or Relevant Watershed, and Intervention After Judgment, respectively. Nothing in this Judgment is intended to allow an increase in any Producer's annual entitlement nor to prevent Watermaster, after hearing thereon, from entering into contracts to encourage, assist and accomplish the clean up and improvement of degraded water quality in the Basin by non-parties herein. Such contracts may include the exemption of the Production of such Basin water therefor from Watermaster Assessments and, in connection therewith, the waiver of the provisions of Judgment Sections 25, 26, and 57 hereof.

(6) Export and Storage. Watermaster shall levy an assessment to account for costs, burdens or losses incurred in connection with such exported or stored

water, including a fee for storage administration. Such storage or export shall be subject to (1) a determination by Watermaster that no material injury to the Basin or parties will result therefrom; (2) execution of an agreement with Watermaster setting forth the terms and conditions upon which water may be stored in or exported from the Basin; and (3) compliance with Watermaster Rules and Regulations respecting Basin storage and export. (Amended 6/21/12)

(7) Water Resource Development Assessment. Watermaster may levy an Assessment on all Pumping, as determined through Rules and Regulations to be adopted by the Watermaster, to support the purchase, financing, and/or development of new or additional Supplemental Water sources, in cooperation with one or more Responsible Agencies as appropriate. (Amended 6/21/12)

46. Assessments – Procedure. (Prior Judgment Section 38) Assessments herein provided for shall be levied and collected as follows:

(a) Levy and Notice of Assessment. Within thirty (30) days of Watermaster's annual determination of Operating Safe Yield of the Basin for each Fiscal Year and succeeding four (4) Fiscal Years, and at such other time[s] of the year as determined by Watermaster, Watermaster shall levy applicable Administration Assessments, Replacement Water Assessments, Make-Up Water Assessments, In-Lieu Water Assessments, and Water Resource Development Assessments, if any. Watermaster shall give written notice of all applicable Assessments to each party on or before August 15, of each year, and at such other time[s] as determined by Watermaster. To provide flexibility and maximize the opportunity to secure Replacement Water supplies when available, in accordance with criteria set forth in the Watermaster Rules and Regulations, Watermaster may levy supplemental assessments as necessary to create sufficient funds to purchase and pre-purchase such Replacement Water supplies for the benefit of the Basin and parties. (Amended 6/21/12)

(b) Payment. Each Assessment shall be payable, and each party is Ordered to pay the same, on or before September 20, following such Assessment, subject to the

rights reserved in Section 37 hereof.

(c) Delinquency. Any Assessment which becomes delinquent after January 1, 1980, shall bear interest at the annual prime rate plus one percent (1%) in effect on the first business day of August of each year. Said prime interest rate shall be that fixed by the Bank of America NT&SA for its preferred borrowing customers on said date. Said prime interest rate plus one percent (1%) shall be applicable to any said delinquent Assessment from the due date thereof until paid. Provided, however, in no event shall any said delinquent Assessment bear interest at a rate of less than ten percent (10%) per annum. Such delinquent Assessment and interest may be collected in a Show Cause proceeding herein or any other legal proceeding instituted by Watermaster, and in such proceeding the Court may allow Watermaster its reasonable costs of collection, including attorney's fees.

47. Availability of Supplemental Water from Responsible Agencies. (Prior Judgment Section 39) If any Responsible Agency shall, for any reason, be unable to deliver Supplemental Water to Watermaster in a timely fashion when needed, Watermaster may (1) collect funds at an appropriate level and hold them in trust, together with interest accrued thereon, for purchase of such water when available; (2) purchase water from the remaining Responsible Agencies which are the most beneficial and appropriate sources observing all legal and contractual constraints on the availability of such water; or (3) purchase Supplemental Water from any other available source. Watermaster shall consult with the Responsible Agencies involved and in good faith shall determine the appropriate source of Supplemental Water under such circumstances. Should Watermaster arrange to purchase Supplemental Water from a source not involving a Responsible Agency, Watermaster shall provide the Responsible Agencies an opportunity to provide said Supplemental Water or comparable water supplies on comparable terms. (Amended 6/21/12)

48. Accumulation of Replacement Water Assessment Proceeds. (Prior Judgment Section 40) In order to minimize fluctuation in Assessments and to give Watermaster flexibility in Basin management, Watermaster may make reasonable accumulations of Replacement Water

Assessments. Such moneys and any interest accrued thereon shall only be used for the purchase of Replacement Water.

49. Carry-over of Unused Rights. (Prior Judgment Section 41) Any Pumper's Share of Operating Safe Yield, and the Production right of any Integrated Producer, which is not Produced in a given Fiscal Year may be carried over and accumulated for one Fiscal Year, pursuant to reasonable rules and procedures for notice and accounting which shall be adopted by Watermaster. The first water Produced in the succeeding Fiscal Year shall be deemed Produced pursuant to such Carry-over Rights.

50. Minimal Producers. (Prior Judgment Section 42) In the interest of Justice, Minimal Producers who initiated production on or before June 21, 2012, are exempted from the operation of this Physical Solution, so long as such party's annual Production does not exceed five (5) acre-feet. Watermaster may require, and Minimal Producers shall furnish, specific periodic reports. In addition, Watermaster may conduct such investigation of future operations of any Minimal Producer as may be appropriate. As of June 21, 2012, there shall be no new Minimal Producers, and any new Producer shall be subject to all provisions of the Judgment. (Amended 6/21/12)

51. Effective Date. (Prior Judgment Section 43) The effective date for commencing accounting and operation under this Physical Solution, other than for Replacement Water Assessments, shall be July 1, 1972. The first Assessment for Replacement Water shall be payable on September 20, 1974, on account of Fiscal Year 1973-74 Production.

G. MISCELLANEOUS PROVISIONS

52. Puente Narrows Flow. (Prior Judgment Section 44) The Puente Basin is tributary to the Main San Gabriel Basin. All Producers within said Puente Basin have been dismissed herein, based upon the Puente Narrows Agreement (Exhibit "J"), whereby Puente Basin Water Agency agreed not to interfere with surface inflow and to assure continuance of historic subsurface contribution of water to Main San Gabriel Basin. The Court declares said Agreement to be reasonable and fair and in full satisfaction of claims by Main San Gabriel Basin for natural water from Puente Basin.

53. Deleted Section (Amended 6/21/12)

54. Service Upon and Delivery to Parties of Various Papers. (Prior Judgment Section 46) Service of the Judgment on those parties who have executed the Stipulation for Judgment shall be made by first class mail, postage prepaid, addressed to the Designee and at the address designated for that purpose in the executed and filed counterpart of the Stipulation for Judgment, or in any substitute designation filed with the Court.

Each party who has not heretofore made such a designation shall, within thirty (30) days after the Judgment shall have been served upon that party, file with the Court, with proof of service of a copy thereof upon Watermaster, a written designation of the person to whom and the address at which all future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon that party or delivered to that party are to be so served or delivered.

A later substitute designation filed and served in the same manner by any party shall be effective from the date of filing as to the then future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon or delivered to that party.

Delivery to or service upon any party by Watermaster, by any other party, or by the Court, of any item required to be served upon or delivered to a party under or pursuant to the Judgment may be made by deposit thereof (or by copy thereof) in the mail, first class, postage prepaid, addressed to the Designee of the party and at the address shown in the latest designation filed by that party. In lieu of mailing any item required to be served under this Judgment, Watermaster may serve such item by electronic service, which may include posting the document to Watermaster's website, sending an e-mail of the document to that party, or sending a notice of availability to that party indicating the document's availability for viewing on the Watermaster website. If a party does not have a valid e-mail address or internet access, that party shall identify an alternative method of service to be approved by Watermaster in its sole discretion.

Any party desiring to be relieved of receiving notices of Watermaster activity may file a waiver of notice on a form to be provided by Watermaster. Thereafter such party shall be

removed from the active party service list and not receive any notices required under this Judgment. The parties have a duty to keep Watermaster informed of their current e-mail and mailing addresses. If mail or e-mail is returned undeliverable to Watermaster for an incorrect address, Watermaster in its sole discretion may remove that party from the active party service list. (Amended 6/21/12)

55. Assignment, Transfer, etc., of Rights. (Prior Judgment Section 47) Any rights Adjudicated herein except Overlying Rights, may be assigned, transferred, licensed or leased by the owners thereof; provided however, that no such assignment shall be complete until the appropriate notice procedures established by Watermaster have been complied with. No water Produced pursuant to rights assigned, transferred, licensed, or leased may be transported outside the Relevant Watershed except by:

(1) a Transporting Party, or

(2) a successor in interest immediate or mediate to a water system on lands or portion thereof, theretofore served by such a Transporting Party, for use by such successor in accordance with limitations applicable to Transporting Parties, or

(3) a successor in interest to the Special Category rights of MWD.

The transfer and use of Overlying Rights shall be limited, as provided in Section 21 hereof, as exercisable only on the specifically defined Overlying Lands and they cannot be separately conveyed or transferred apart therefrom.

56. Abandonment of Rights. (Prior Judgment Section 48) It is in the interest of reasonable beneficial use of the Basin and its water supply that no party be encouraged to take and use more water in any Fiscal Year than is actually required. Failure to Produce all of the water to which a party is entitled hereunder shall not, in and of itself, be deemed or constitute an abandonment of such party's right, in whole or in part. Abandonment and extinction of any right herein Adjudicated shall be accomplished only by:

(1) a written election by the party, filed in this case, or

(2) upon noticed motion of Watermaster, and after hearing.

In either case, such abandonment shall be confirmed by express subsequent order of this

Court.

57. Intervention After Judgment. (Prior Judgment Section 49) Any person who is not a party or successor to a party and who proposes to Produce water from the Basin or Relevant Watershed, may seek to become a party to this Judgment through a Stipulation For Intervention entered into with Watermaster. Watermaster may execute said Stipulation on behalf of the other parties herein but such Stipulation shall not preclude a party from opposing such Intervention at the time of the Court hearing thereon. Said Stipulation For Intervention must thereupon be filed with the Court, which will consider an order confirming said Intervention following thirty (30) days' notice to the parties. Thereafter, if approved by the Court, such Intervenor shall be a party bound by this Judgment and entitled to the rights and privileges accorded under the Physical Solution herein.

58. Judgment Binding on Successors, etc. (Prior Judgment Section 50) Subject to specific provisions hereinbefore contained, this Judgment and all provisions thereof are applicable to and binding upon and inure to the benefit of not only the parties to this action, but as well to their respective heirs, executors, administrators, successors, assigns, lessees, licensees and to the agents, employees and attorneys in fact of any such persons.

59. Water Rights Permits. (Prior Judgment Section 51) Nothing herein shall be construed as affecting the relative rights and priorities between MWD and San Gabriel Valley Protective Association under State Water Rights Permits Nos. 7174 and 7175, respectively.

60. Costs. (Prior Judgment Section 52) No party shall recover any costs in this proceeding from any other party.

61. Entry of Judgment. (New) The Clerk shall enter this Judgment.

DATED: June 21, 2012

s/ Maureen Duffy-Lewis
Maureen Duffy-Lewis, Judge
Specially Assigned

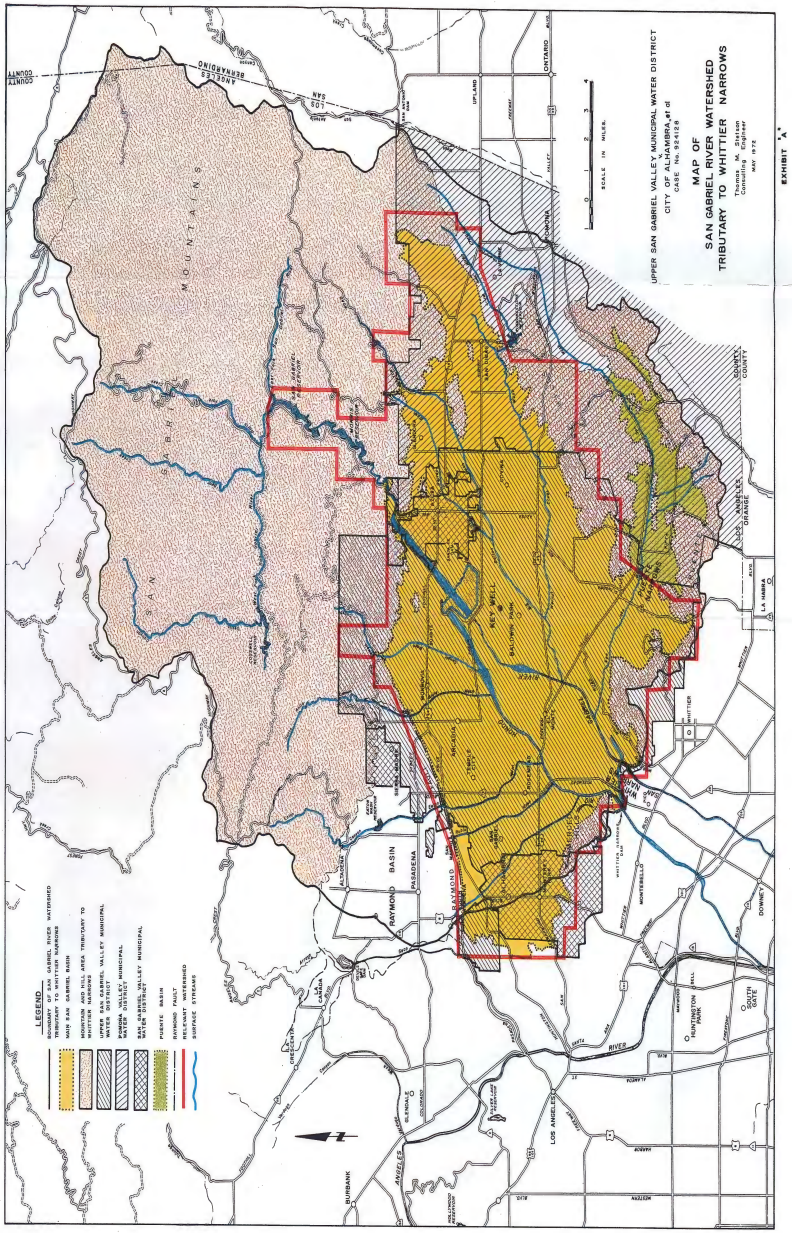


EXHIBIT "B"

BOUNDARIES OF RELEVANT WATERSHED

The following described property is located in Los Angeles County, State of California:

Beginning at the Southwest corner of Section 14, Township 1 North, Range 11 West, San Bernardino Base and Meridian;

Thence Northerly along the West line of said Section 14 to the Northwest corner of the South half of said Section 14;

Thence Easterly along the North line of the South half of Section 14 to the East line of said Section 14;

Thence Northerly along the East line of said Section 14, Township 1 North, Range 11 West and continuing Northerly along the East line of Section 11 to the Northeast corner of said Section 11;

Thence Easterly along the North line of Section 12 to the Northeast corner of said Section 12;

Thence Southerly along the East line of said Section 12 and continuing Southerly along the East line of Section 13 to the Southeast corner of said Section 13, said corner being also the Southwest corner of Section 18, Township 1 North, Range 10 West;

Thence Easterly along the South line of Sections 18, 17, 16 and 15 of said Township 1 North, Range 10 West to the Southwest corner of Section 14;

Thence Northerly along the West line of Section 14 to the Northwest corner of the South half of Section 14;

Thence Easterly along the North line of the South half of Section 14 to the East line of said section;

Thence Northerly along the East line of said Section 14, and continuing Northerly along the West line of Section 12 of said Township 1 North, Range 10 West to the North line of said Section 12;

Thence Easterly along the North line of said Section 12, to the Northeast corner of said Section 12, said corner being also the Southwest corner of Section 6, Township 1 North, Range 9 West;

Thence Northerly along the West line of said Section 6 and continuing Northerly along West line of Sections 31 and 30, Township 2 North, Range 9 West to the Westerly prolongation of the North line of said Section 30;

Thence Easterly along said Westerly prolongation of the North line of said Section 30 and continuing Easterly along the North line of Section 29 to the Northeast corner of said Section 29;

Thence Southerly along the East line of said Section 29 and continuing Southerly along the East line of Section 32, Township 2 North, Range 9 West, and thence continuing Southerly along the East line of Section 5, Township 1 North, Range 9 West to the Southeast corner of said Section 5;

Thence Westerly along the South line of said Section 5 to the Southwest corner of said Section 5, said point being also the Northwest corner of Section 8;

Thence Southerly along the West line of said Section 8 and continuing Southerly along the West line of Section 17, to the Southwest corner of said Section 17, said corner being also the Northwest corner of Section 20;

Thence Easterly along the North line of Sections 20 and 21 to the Northwest corner of Section 22, said corner being also the Southwest corner of Section 15;

Thence Northerly along the West line of said Section 15 to the Northwest corner of the South half of said Section 15;

Thence Easterly along the North line of said South half of Section 15 to the Northeast corner of said South half of Section 15;

Thence Southerly along the East line of Section 15 and continuing Southerly along the East line of Section 22 to the Southeast corner of said Section 22, said point being also the Southwest corner of Section 23;

Thence Easterly along the South line of Sections 23 and 24 to the East line of the West half of said Section 24;

Thence Northerly along said East line of the West half of Section 24 to the North line thereof;

Thence Easterly along said North line of Section 24 to the Northeast corner thereof, said point also being the Northwest corner of Section 19, Township 1 North, Range 8 West;

Thence continuing Easterly along the North line of Section 19 and Section 20 of said Township 1 North, Range 8 West to the Northeast corner of said Section 20;

Thence Southerly along the East line of Sections 20, 29 and 32 of said Township 1 North, Range 8 West to the Southeast corner of said Section 32;

Thence Westerly along the South line of Section 32 to the Northwest corner of the East half of Section 5, Township 1 South, Range 8 West;

Thence Southerly along the West line of the East half of said Section 5 to the South line of said Section 5;

Thence West to the East line of the Northerly prolongation of Range 9 West;

EXHIBIT "C"

TABLE SHOWING BASE ANNUAL DIVERSION RIGHTS OF CERTAIN DIVERTERS AS OF JUNE 21, 2012

DIVERTER	BASE ANNUAL DIVERSION RIGHT (ACRE-FEET)
Covell, Ralph	2.12
(Successor to Rittenhouse, Catherine and Rittenhouse, James)[1]	
(Transferred to Aqua Capital Management LP)[2]	-2.12
	0.00
Maddock, A. G.	3.40
(Transferred to San Gabriel Valley Water Company)[2]	-3.40
	0.00
Rittenhouse, Catherine	**0.00**
(Transferred to Covell, Ralph)[1]	
Rittenhouse, James	**0.00**
(Transferred to Covell, Ralph)[1]	
Ruebhausen, Arline	18.34
(Held in common with Ruebhausen, Victor)	
(Transferred to City of Glendora)[2]	-18.34
	0.00
Ruebhausen, Victor	--
(See Ruebhausen, Arline)	
TOTAL	**0.00**

1/ Permanent transfer of rights as recorded at entry of Judgment.
2/ Permanent transfer of rights after entry of Judgment.
3/ Intervenor after Judgment.

EXHIBIT "D"

TABLE SHOWING RIGHTS AND PUMPER'S SHARE OF EACH PUMPER AS OF JUNE 21, 2012

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
6W Farms, Inc.	1,217.40	0.61599
(Formerly Woodland Farms, Inc.)		
(Transferred to:		
Miller Brewing Company	-919.50	-0.46526
Richard J. Woodland)[2]	-297.90	-0.15073
	0.00	**0.00000**
Adams Ranch Mutual Water Company	**100.00**	**0.05060**
A & E Plastik Pak Co., Inc.	**0.00**	**0.00000**
(Transferred to Industry Properties, Ltd.)[1]		
Alhambra, City of	**8,812.05**	**4.45876**
Amarillo Mutual Water Company	**709.00**	**0.35874**
American Sheds, Inc.[3]		
(Successor to Southwestern Portland Cement Company)[2]	742.00	0.37544
(Transferred to USA Waste of California, Inc.)[2]	-742.00	-0.37544
	0.00	**0.00000**
Anchor Plating Co., Inc.[3]		
(Successor to Bodger & Sons, DBA Bodger Seeds Ltd.)[2]	10.00	0.00506
(Transferred to Crown City Plating Co.)[2]	-10.00	-0.00506
	0.00	**0.00000**
Anderson Family Marital Trust[3]		
(Successor to Anderson, Ray L. and Helen T.)[2]	50.16	0.02538
(Transferred to:		
Brondino, Jeanne	-25.08	-0.01269
Heinrich, Carolyn)[2]	-25.08	-0.01269
	0.00	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Anderson, Ray[3]		
(Successor to Covina Valley Unified School District)[2]	50.16	0.02538
(Transferred to Anderson, Ray L. and Helen T.)[2]	-50.16	-0.02538
	0.00	**0.00000**
Anderson, Ray L. and Helen T.[3]		
(Successor to Anderson, Ray)[2]	50.16	0.02538
(Transferred to Anderson Family Marital Trust)[2]	-50.16	-0.02538
	0.00	**0.00000**
Andrade, Macario and Consuelo; and Andrade, Robert and Jayne[3]		
(Successor to J. F. Isbell Estate, Inc.)[2]	8.36	0.00423
(Transferred to Susan Andrade)[2]	-8.36	-0.00423
	0.00	**0.00000**
Andrade, Susan[3]		
(Successor to Andrade, Macario and Consuelo; and Andrade, Robert and Jayne)[2]	8.36	0.00423
	8.36	**0.00423**
Arcadia, City of	9,252.00	4.68137
(Successor to First National Finance Corporation)[2]	60.90	0.03081
(Transferred to City of Monrovia)[2]	-951.00	-0.48119
	8,361.90	**4.23099**
Associated Southern Investment Company	16.50	0.00335
(Transferred to Southern California Edison Company)[2]	-16.50	-0.00335
	0.00	**0.00000**
AZ-Two, Inc.[3]	--	--
(See Southdown, Inc.)		
Azusa Associates, LLC[3]		
(Successor to Snyder, Esther)[2]	18.51	0.00937
(Transferred to Aqua Capital Management LP)[2]	-18.51	-0.00937
	0.00	**0.00000**
Azusa-Western Inc.	742.00	0.37544
(Transferred to Southwestern Portland Cement Co.)[2]	-742.00	-0.37544
	0.00	**0.00000**
Bahnsen & Beckman Ind., Inc.	840.50	0.42528
(Transferred to Woodland, Richard)[2]	-840.50	-0.42528
	0.00	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Bahnsen, Betty M.	441.90	0.22359
(Transferred to Dawes, Mary Kay)[2]	-441.90	-0.22359
	0.00	**0.00000**
Baldwin Park County Water District	--	--
(See Valley County Water District)		
Bandel Family Trust[3]		
(Successor to Gamier, Camille A, Deceased,	16.70	0.00845
Estate of)[2]	**16.70**	**0.00845**
Banks, Gale C. and Vicki Lynn[3]		
(Successor to Doyle, Mr. and Mrs.; and	50.00	0.02530
Madruga, Mr. and Mrs.)[2]	**50.00**	**0.02530**
Base Line Water Company	430.20	0.21767
(Transferred to Hughes Development Corporation)[2]	-430.20	-0.21767
	0.00	**0.00000**
Beverly Acres Mutual Water Company	--	--
(See Beverly Acres Mutual Water Users Association)		
Beverly Acres Mutual Water Users Association	93.00	0.04706
(Formerly Beverly Acres Mutual Water Company)		
(Transferred to:		
San Gabriel Valley Water Company;	-50.00	-0.02530
Nicholson Trust)[2]	-43.00	-0.02176
	0.00	**0.00000**
Birenbaum, Max	6.00	0.00304
(Held in common with Birenbaum, Sylvia;		
Schneiderman, Alan; Schneiderman, Lydia;		
Wigodsky, Bernard; Wigodsky, Estera)		
(Transferred to City of Whittier)[2]	-6.00	-0.00304
	0.00	**0.00000**
Birenbaum, Sylvia	--	--
(See Birenbaum, Max)		
Blue Diamond Concrete Materials Div., The Flintkote Company	1,399.33	0.70804
(Transferred to Sully-Miller Contracting Co.)[2]	-1,399.33	-0.70804
	0.00	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Bodger & Sons DBA Bodger Seeds Ltd.	10.00	0.00506
(Transferred to Anchor Plating Co., Inc.)[2]	-10.00	-0.00506
	0.00	**0.00000**
Botello Water Company	**0.00**	**0.00000**
Brezina, Raymond W. and Susan W. Trust 2001[3]	**0.00**	**0.00000**
Brondino, Jeanne[3]		
(Successor to Anderson Family Marital Trust)[2]	25.08	0.01269
	25.08	**0.01269**
Burbank Development Company	50.85	0.02563
(Transferred to Wright, Darrell A., Wright, Merle M. &	-50.85	-0.02563
Carlson, Jeanne W.)[2]	**0.00**	**0.00000**
Cadway, Inc.[3]		
(Successor to:		
Corcoran, Jack S. and R. L.	100.00	0.05060
Corcoran, Jack S. and R. L.	100.00	0.05060
Corcoran, Jack S. and R. L.	273.50	0.13839
Corcoran, Jack S. and R. L.	30.00	0.01518
Garnier, Janus	203.00	0.10272
Sloan Ranches	129.60	0.06558
Corcoran, Jack S. and R.L.)[2]	243.50	0.12320
(Transferred to:		
California Domestic Water Company	-243.50	-0.12321
California Domestic Water Company	-129.60	-0.06558
California Domestic Water Company)[2]	-63.30	-0.03203
	643.20	**0.32545**
Cal Fin	118.10	0.05976
(Transferred to Suburban Water Systems)[2]	-118.10	-0.05976
	0.00	**0.00000**
California-American Water Company	**7,868.70**	**3.98144**
(San Marino System)		
California Country Club[3]	**0.00**	**0.00000**
(Formerly CCC Management)		

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
California Domestic Water Company	11,024.82	5.57839
(Successor to:		
Cantrill Mutual Water Company[1]	42.50	0.02150
Industry Properties, Ltd.[2]	73.50	0.03719
Modern Accent Corporation[2]	256.86	0.12997
Fisher, Russell[2]	19.00	0.00961
Graveline, George Wayne and Alexis June, Trust[2]	216.60	0.10959
Cadway, Inc.[2]	243.50	0.12321
Cadway, Inc[2]	129.60	0.06558
Cadway, Inc.[2])	63.30	0.03203
	12,069.68	**6.10707**
California Materials Company	**0.00**	**0.00000**
CalMat	--	--
(Formerly Conrock Company)		
(See Vulcan Materials Company)		
Cantrill Mutual Water Company	**0.00**	**0.00000**
(Transferred to California Domestic Water Company)[1]		
Canyon Water Company[3]		
(Successor to McIntyre, William)[2]	1.00	0.00051
	1.00	**0.00051**
Canyon Water & Development Corporation[3]	**0.00**	**0.00000**
CCC Management[3]	--	--
(See California Country Club)		
Cedar Avenue Mutual Water Company	121.10	0.06127
(Transferred to San Gabriel Valley Water Company)[2]	-121.10	-0.06127
	0.00	**0.00000**
CEMEX California Aggregates, Inc.[3]	--	--
(Formerly Southdown)		
Champion Mutual Water Company	**147.68**	**0.07472**
Chevron U.S.A.	**2.00**	**0.00101**
(Formerly Standard Oil of California)		
Chronis, Christine[3]	--	--
(See Polopolus, et al.)		

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Clayton Manufacturing Company	511.80	0.25896
(Transferred to City of Glendora)[2]	-511.80	-0.25896
	0.00	**0.00000**
Coiner, James W., dba Coiner Nursery[3]	--	--
Collison, E. O.	**0.00**	**0.00000**
Comby, Erma M.	--	--
(See Wilmott, Erma M.)		
Conrock Company	--	--
(See CalMat)		
(Formerly Consolidated Rock Products Co.)		
Consolidated Rock Products Co.	--	--
(See Conrock Company)		
Corcoran, Jack S.	747.00	0.37797
(Held in common with Corcoran, R. L.)		
(Transferred to:		
Cadway, Inc.	-100.00	-0.05060
Cadway, Inc.	-100.00	-0.05060
Cadway, Inc.	-273.50	-0.13839
Cadway, Inc.	-30.00	-0.01518
Cadway, Inc.)[2]	-243.50	-0.12320
	0.00	**0.00000**
Corcoran, R. L.	--	--
(See Corcoran, Jack S.)		
County Sanitation District No. 18 of Los Angeles County	**4.50**	**0.00228**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Covell, et al.	111.05	0.05619
(Successor to Rittenhouse, Catherine and Rittenhouse, James)[1]		
(Held in common with Tate, Phillip G. and Sieglinde A.; Goedert, Lillian E.; Goedert, Marion W.; Lakin, Kendall R.; Lakin, Kelly R.; Snyder, Harry; Snyder, Esther)		
(Transferred to:		
Lakin, Kelly R.	-9.26	-0.00468
Goedert, Lillian E.	-9.26	-0.00468
Tate, Phillip G. and Sieglinde A.	-57.83	-0.02926
Snyder, Esther	-18.51	-0.00937
Aqua Capital Management LP)[2]	-16.19	-0.00820
	0.00	**0.00000**
Covina, City of	2,507.89	1.26895
(Transferred to:		
Covina Irrigating Company	-1,734.00	-0.87737
Covina Irrigating Company)[2]	-300.00	-0.15179
	473.89	**0.23979**
Covina-Valley Unified School District	50.16	0.02538
(Transferred to Anderson, Ray)[2]	-50.16	-0.02538
	0.00	**0.00000**
Crevolin, A. J.	**2.25**	**0.00114**
Crocker National Bank, Executor of the Estate of A. V. Handorf	**0.00**	**0.00000**
(Transferred to Modern Accent Corp.)[1]		
Cross Water Company	1,103.00	0.05581
(Transferred to Industry Waterworks System, City of)[2]	-1,103.00	-0.05581
	0.00	**0.00000**
Crown City Plating Company	190.00	0.09614
(Successor to Anchor Plating Co., Inc.)[2]	10.00	0.00506
(Transferred to Valencia Heights Water Company)[2]	-200.00	-0.10120
	0.00	**0.00000**
Davidson Optronics, Inc.	22.00	0.01113
(Transferred to Covina Irrigating Company)[2]	-22.00	-0.01113
	0.00	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Dawes, Mary Kay[3]	**441.90**	**0.22359**
(Successor to Bahnsen, Betty M.)[2]		
Del Rio Mutual Water Company	**199.00**	**0.10069**
Denton, Kathryn W., Trustee for San Jose Ranch Company	185.50	0.09386
(Transferred to White, June G., Trustee of the June G. White share of the Garnier Trust)[2]	-185.50	-0.09386
	0.00	**0.00000**
Doyle, Mr. and Mrs.; and Madruga, Mr. and Mrs.[3]		
(Successor to Sawpit Farms, Limited)[2]	50.00	0.02530
(Transferred to Banks, Gale C. and Vicki Lynn)[2]	-50.00	-0.02530
	0.00	**0.00000**
Driftwood Dairy	**163.80**	**0.08288**
Duhalde, L.	**0.00**	**0.00000**
(Transferred to El Monte Union High School District)[1]		
Dunning, George		
(Held in common with Dunning, Vera H.)		
(Successor to Vera H. Dunning)[2]	324.00	0.16394
(Transferred to Dunning Trust, George A. V.)[2]	-324.00	-0.16394
	0.00	**0.00000**
Dunning Trust, George A. V.[3]		
(Successor to Dunning, George)[2]	324.00	0.16394
(Transferred to Loyola Marymount University)[2]	-324.00	-0.16394
	0.00	**0.00000**
Dunning, Vera H.	324.00	0.16394
(See Dunning, George)		
(Transferred to Dunning, George)[2]	-324.00	-0.16394
	0.00	**0.00000**
Durfee Property, LLC[3]		
(Successor to Texaco, Inc.)[2]	50.00	0.02530
(Transferred to San Gabriel Valley Water Company)[2]	-50.00	-0.02530
	0.00	**0.00000**
East Pasadena Water Company, Ltd.	**1,407.69**	**0.71227**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Eckis, Rollin[3]		
(Successor to Sawpit Farms, Limited)[2]	123.00	0.06224
(Transferred to City of Monrovia)[2]	-123.00	-0.06224
	0.00	**0.00000**
El Encanto Properties	33.40	0.01690
(Transferred to La Puente Valley County Water District)[2]	-33.40	-0.01690
	0.00	**0.00000**
El Monte, City of	2,784.23	1.40878
(Successor to W. E. Hall Company)[2]	0.20	0.00010
	2,784.43	**1.40888**
El Monte Cemetery Association	**18.50**	**0.00936**
El Monte Union High School District	9.80	0.00496
(Successor to Duhalde, L.)[1]	6.40	0.00324
(Transferred to City of Whittier)[2]	-16.20	-0.00820
	0.00	**0.00000**
Everett, Mrs. Alda B.	**0.00**	**0.00000**
(Held in common with Everett, W.B., Executor of the Estate of I. Worth Everett)		
Everett, W.B., Executor of the Estate of I. Worth Everett	--	--
(See Everett, Mrs. Alda B.)		
Faix, Incorporated	**0.00**	**0.00000**
(Successor to Frank F. Pellissier & Sons, Inc.)[1]		
(Transferred to Faix, Ltd.)[1]		
Faix, Ltd.	6,490.00	3.28384
(Successor to Faix, Incorporated)[1]		
(Transferred to Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of)[2]	-6,490.00	-3.28384
	0.00	**0.00000**
First National Finance Corporation	60.90	0.03081
(Transferred to City of Arcadia)[2]	-60.90	-0.03081
	0.00	**0.00000**
Fisher, Russell	19.00	0.00961
(Held in common with Hauch, Edward and Warren, Clyde)		
(Transferred to California Domestic Water Company)[2]	-19.00	-0.00961
	0.00	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Fox Family Trust Michael Edward Fox and Crystal Marie Fox, Trustees[3]		
(Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery)[2]	**145.83**	**0.07378**
Frank F. Pellissier & Sons, Inc.	**0.00**	**0.00000**
(Transferred to Faix, Incorporated)[1]		
Fruit Street Water Company	207.00	0.10474
(Transferred to:		
Gifford, Brooks, Jr.,	-101.29	-0.05125
City of La Verne)[2]	-105.71	-0.05349
	0.00	**0.00000**
Garnier, Anton C. and Anita, Family Trust[3]		
(Successor to:		
South Covina Water Service	203.00	0.10271
Garnier, Camille A., Deceased, Estate of	8.30	0.00420
Garnier, Janus)[2]	3.00	0.00152
	214.30	**0.10843**
Garnier, Camille A., Deceased, Estate of[3]		
(Successor to South Covina Water Service)[2]	83.30	0.04215
(Transferred to:		
The Ruth Elaine Ailor Garnier Trust	-41.70	-0.02110
The George Wayne and Alexis June Graveline Trust	-8.30	-0.00420
The Anton C. and Anita Garnier Family Trust	-8.30	-0.00420
Janus Garnier	-8.30	-0.00420
The Bandel Family Trust)[2]	-16.70	-0.00845
	0.00	**0.00000**
Garnier, Janus[3]		
(Successor to :		
Garnier, Camille A. Deceased, Estate of	8.30	0.00420
South Covina Water Service)[2]	203.00	0.10272
(Transferred to:		
George Wayne and Alexis June Graveline Trust	-5.30	-0.00268
The Anton C. and Anita Garnier Family Trust	-3.00	-0.00152
Cadway, Inc.)[2]	-203.00	-0.10272
	0.00	**0.00000**
Garnier, Ruth Elaine Ailor, Trust[3]		
(Successor to Garnier, Camille A. Deceased, Estate of)[2]	41.70	0.02110
	41.70	**0.02110**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Gates, James Richard[3]	**0.00**	**0.00000**
Gifford, Brooks, Jr.[3]		
(Successor to:		
Fruit Street Water Company,	101.29	0.05125
Mission Gardens Mutual Water Company)[2]	96.96	0.04906
(Transferred to City of Whittier)[2]	-198.25	-0.10031
	0.00	**0.00000**
Gilkerson, Frank B.	--	--
(Formerly part of Covell, et al.)		
(Transferred interest in Covell, et al. to Jobe, Darr)[2]		
Glendora Unified High School District	99.00	0.05009
(Transferred to City of Glendora)[2]	-99.00	-0.05009
	0.00	**0.00000**
Goedert, Lillian E.		
(See Covell, et al.)		
(Successor to Covell, et al.)[2]	9.26	0.00468
(Transferred to Covina Irrigating Co.)[2]	-7.00	-0.00354
	2.26	**0.00114**
Goedert, Marion W.	--	--
(See Covell, et al.)		
Golden State Water Company,	**5,773.00**	**2.92105**
San Gabriel Valley District		
(Formerly Southern California Water Company)		
Graham, William	--	--
(Formerly part of Covell, et al.)		
(Transferred interest in Covell et al. to Jobe, Darr)[2]		
Graveline, George Wayne and Alexis June, Trust[3]		
(Successor to:		
South Covina Water Service	203.00	0.10271
Garnier, Camille A., Deceased, Estate of	8.30	0.00420
Garnier, Janus)[2]	5.30	0.00268
(Transferred to California Domestic Water Company)[2]	-216.60	-0.10959
	0.00	**0.00000**
Green, Walter	**71.70**	**0.03628**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Grizzle, Lissa B.	184.00	0.09310
(Held in common with Grizzle, Mervin A.;		
Wilson, Harold R.; Wilson, Sarah C.)		
(Transferred to City of Whittier)[2]	-184.00	-0.09310
	0.00	**0.00000**
Grizzle, Mervin A.	--	--
(See Grizzle, Lissa B.)		
Hansen, Alice	**0.75**	**0.00038**
Hanson Aggregates West, Inc.[3]		
(Successor to:		
Livingston-Graham, Inc.	1,824.40	0.92312
Sully-Miller Contracting Company)[2]	489.77	0.24782
	2,314.17	**1.17094**
Hartley, David[3]	**0.00**	**0.00000**
Hauch, Edward	--	--
(See Fisher, Russell)		
Heinrich, Carolyn[3]		
(Successor to Anderson Family Marital Trust)[2]	25.08	0.01269
	25.08	**0.01269**
Hemlock Mutual Water Company	**166.00**	**0.08399**
Hollenbeck Street Water Company	**0.00**	**0.00000**
(Transferred to Suburban Water Systems)[1]		
Hughes Development Corporation[3]		
(Successor to Base Line Water Company)[2]	430.20	0.21767
(Transferred to:		
San Gabriel County Water District	-400.00	-0.20239
San Gabriel County Water District)[2]	-30.20	-0.01528
	0.00	**0.00000**
Hunter, Lloyd F.[3]		
(Successor to Wade, R.)[2]	4.40	0.00223
(Transferred to Covina Irrigating Company)[2]	-4.40	-0.00223
	0.00	**0.00000**
Hydro-Conduit Corporation	**0.00**	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Industry Waterworks System, City of[3]		
(Successor to Cross Water Company)[2]	1,103.00	0.55810
	1,103.00	**0.55810**
Industry Properties, Ltd.		
(Successor to A & E Plastik Pak Co., Inc.)[1]	73.50	0.03719
(Transferred to California Domestic Water Co.)[2]	-73.50	-0.03719
	0.00	**0.00000**
Irwindale, City of[3]		
(Successor to United Concrete Pipe Corporation)[2]	376.00	0.19025
	376.00	**0.19025**
J. F. Isbell Estate, Inc.	8.36	0.00423
(Transferred to Andrade, Macario and	-8.36	-0.00423
Consuelo; and Andrade, Robert and Jayne)[2]	**0.00**	**0.00000**
Jerris, Helen[3]	--	--
(See Polopolus, et al.)		
Jobe, Darr[3]	--	--
(Formerly part of Covell, et al.)		
(Successor to:		
Gilkerson, Frank B. interest in Covell et al.		
Graham, William interest in Covell et al.)[2]		
(Transferred interest in Covell et al. to Tate, Phillip G. and Sieglinde A.)[2]		
Kirklen Family Trust[3]	375.00	0.18974
(Formerly Kirklen, Dawn L.)		
(Held in common with Kirklen, William R.)		
(Successor to San Dimas-La Verne	62.50	0.03162
Recreational Facilities Authority)[2]		
(Transferred to		
Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery)[2]	-437.50	-0.22136
	0.00	**0.00000**
Kirklen, Dawn L.	--	--
(See Kirklen Family Trust)		
Kirklen, Jeffery[3]	**145.84**	**0.07379**
(Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery)[2]		
Kirklen, William R.	--	--
(See Kirklen, Dawn L.)		

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Kiyan Farms	30.00	0.01518
(Formerly Kiyan, Hideo)		
(Transferred to West Covina Venture, Ltd.)[2]	-30.00	-0.01518
	0.00	**0.00000**
Kiyan, Hideo	--	--
(See Kiyan Farms)		
(Held in common with Kiyan, Hiro)		
Kiyan, Hiro	--	--
(See Kiyan, Hideo)		
Knight, Kathryn M.[3]		
(Successor to Knight, William)[2]	227.88	0.11530
(Transferred to Knight, William)[2]	-227.88	-0.11530
	0.00	**0.00000**
Knight, William	227.88	0.11530
(Transferred to Knight, Kathryn M.)[2]	-227.88	-0.11530
(Successor to Knight, Kathryn M.)[2]	227.88	0.11530
	227.88	**0.11530**
Lakin, Kelly R.[3]		
(See Covell, et al.)		
(Successor to Covell, et al.)[2]	9.26	0.00468
(Transferred to:		
Covina Irrigating Co.	-6.03	-0.00305
Covina Irrigating Co.)[2]	-3.23	-0.00163
	0.00	**0.00000**
Lakin, Kendall R.[3]	--	--
(See Covell, et al.)		
Landeros, John	**0.75**	**0.00038**
La Grande Source Water Company	**0.00**	**0.00000**
(Transferred to Suburban Water Systems)[1]		
Lang, Frank	**0.00**	**0.00000**
(Transferred to San Dimas-La Verne		
Recreational Facilities Authority)[1]		
La Puente Cooperative Water Co.	**0.00**	**0.00000**
(Transferred to Suburban Water Systems)[1]		

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
La Puente Valley County Water District	1,097.00	0.55507
(Successor to El Encanto Properties)[2]	33.40	0.01690
	1,130.40	**0.57197**
La Verne, City of	250.00	0.12650
(Successor to Fruit Street Water Co.)[2]	105.71	0.05349
(Transferred to Covina Irrigating Co.)[2]	-355.71	-0.17999
	0.00	**0.00000**
Lee, Paul M. and Ruth A.; Nasmyth, Virginia; Nasmyth, John[3]	**0.00**	**0.00000**
Little John Dairy	**0.00**	**0.00000**
Livingston-Graham, Inc.	1,824.40	0.92312
(Transferred to Hanson Aggregates West, Inc.)[2]	-1,824.40	-0.92312
	0.00	**0.00000**
Los Flores Mutual Water Company	26.60	0.01346
(Transferred to City of Monterey Park)[2]	-26.60	-0.01346
	0.00	**0.00000**
Loucks, David	**3.00**	**0.00152**
Lovelady, June G., Trustee[3]		
(Successor to White, June G., Trustee of the June G. White Share of the Garnier Trust)[2]	185.50	0.09386
	185.50	**0.09386**
Loyola Marymount University[3]		
(Successor to George A.V. Dunning Trust)[2]	324.00	0.16394
(Transferred to City of Glendora)[2]	-324.00	-0.16394
	0.00	**0.00000**
Maggiore, Valarie[3]		
(Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffrey)[2]	**145.83**	**0.07379**
Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery[3]		
(Successor to Kirklen Family Trust)[2]	437.50	0.22136
(Transferred to:		
(Maggiore, Valarie;	-145.83	-0.07379
Kirklen, Jeffrey;	-145.84	-0.07379
Fox Family Trust, Michael Edward Fox	-145.83	-0.07378
and Crystal Marie Fox, Trustees)[2]	**0.00**	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Manning Bros. Rock & Sand Co.	328.00	0.16596
(Transferred to Conrock Company)[2]	-328.00	-0.16596
	0.00	**0.00000**
Maple Water Company	118.50	0.05996
(Transferred to Southwest Water Co.)[2]	-118.50	-0.05996
	0.00	**0.00000**
Martinez, Frances Mercy	**0.75**	**0.00038**
(Held in common with Martinez, Jaime)		
Martinez, Jaime	--	--
(See Martinez, Frances Mercy)		
Massey-Ferguson Company	**0.00**	**0.00000**
McIntyre, William[3]		
(Successor to West Covina Venture, Ltd.)[2]	30.00	0.01518
(Transferred to Canyon Water Company)[2]	-1.00	-0.00051
	29.00	**0.01467**
Miller Brewing Company	111.01	0.05617
(Successor to:		
Maechtlen, Estate of J.J.	151.50	0.07666
Phillips, Alice B., et al.	50.00	0.02530
South Covina Water Service	300.00	0.15180
Woodland Farms	919.50	0.46526
Woodland, Richard)[2]	840.50	0.42528
(Transferred to Miller Breweries West, L.P.)[2]	-2,372.51	-1.20047
	0.00	**0.00000**
Miller Breweries West, L.P.[3]		
(Successor to Miller Brewing Company)[2]	2,372.51	1.20047
(Transferred to MillerCoors LLC)[2]	-2,372.51	-1.20047
	0.00	**0.00000**
MillerCoors LLC[3]		
(Successor to Miller Breweries West, L.P.)[2]	**2,372.51**	**1.20047**
Mission Gardens Mutual Water Company	96.96	0.04906
(Transferred to Gifford, Brooks, Jr.)[2]	-96.96	-0.04906
	0.00	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Modern Accent Corporation		
(Successor to Crocker National Bank,	256.86	0.12997
Executor of the Estate of A. V. Handorf)[1]		
(Transferred to California Domestic Water Co.)[2]	-256.86	-0.12997
	0.00	**0.00000**
Monterey Park, City of	6,677.48	3.37870
(Successor to Los Flores Mutual Water Co.)[2]	26.60	0.01346
	6,704.08	**3.39216**
Munoz, Ralph E.[3]	**0.00**	**0.00000**
Murphy Ranch Mutual Water Company	223.23	0.11295
(Transferred to Southwest Suburban Water)[2]	-223.23	-0.11295
	0.00	**0.00000**
Namimatsu Farms	196.00	0.09917
(Transferred to California Cities Water Co.)[2]	-196.00	-0.09917
	0.00	**0.00000**
Nick Tomovich & Sons	**0.02**	**0.00001**
Nicholson Trust[3]		
(Successor to Beverly Acres	43.00	0.02176
Mutual Water Users Association)[2]		
(Transferred to:		
Nicholson Family Trust	-7.00	-0.00354
Nicholson Trust, Helene S.)[2]	-12.00	-0.00607
	24.00	**0.01215**
Nicholson Family Trust[3]		
(Successor to Nicholson Trust)[2]	7.00	0.00354
	7.00	**0.00354**
Nicholson Trust, Helene S.[3]		
(Successor to Nicholson Trust)[2]	12.00	0.00607
(Transferred to San Gabriel Valley Water Co.)[2]	-12.00	-0.00607
	0.00	**0.00000**
New Owl Rock Products[3]		
(Successor to Owl Rock Products Co.)[2]	715.60	0.36208
(Transferred to Robertson's Ready Mix, Ltd.)[2]	-715.60	-0.36208
	0.00	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
No. 17 Walnut Place Mutual Water Co.	21.50	0.01088
(Transferred to San Gabriel Valley Water Co.)[2]	-21.50	-0.01088
	0.00	**0.00000**
Orange Production Credit Association[3]	**0.00**	**0.00000**
Owl Rock Products Co.	715.60	0.36208
(Transferred to New Owl Rock Products)[2]	-715.60	-0.36208
	0.00	**0.00000**
Pacific Rock & Gravel Co.	408.00	0.20644
(Transferred to:	-208.00	-0.10524
City of Whittier,	-200.00	-0.10120
Rose Hills Memorial Park Association)[2]	**0.00**	**0.00000**
Park Water Company	184.01	0.09311
(Transferred to Valley County Water District)[2]	-184.01	-0.09311
	0.00	**0.00000**
Parton Family Trust[3]	46.20	0.02338
(Formerly Via, H., Trust of)[2]		
(Transferred to San Gabriel Valley Water Company)[2]	-46.20	-0.02338
	0.00	**0.00000**
Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of[3]		
(Successor to Faix, Ltd)[2]	6,490.00	3.28384
	6,490.00	**3.28384**
Penn, Margaret[3]	--	--
(See Polopolus, et al.)		
Pico County Water District	**0.75**	**0.00038**
Polopolus, John[3]	--	--
(See Polopolus, et al.)		
Polopolus, et al.[3]		
(Successor to Polopolus, Steve)[2]	22.50	0.01138
(Held in common with Chronis, Christine;	**22.50**	**0.01138**
Jerris, Helen; Penn, Margaret; Polopolus, John)		
Polopolus, Steve	22.50	0.01138
(Transferred to Polopolus, et al.)[2]	-22.50	-0.01138
	0.00	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Rados, Alexander	**43.00**	**0.02176**
(Held in common with Rados, Stephen and Rados, Walter)		
Rados, Stephen	--	--
(See Rados, Alexander)		
Rados, Walter	--	--
(See Rados, Alexander)		
Richwood Mutual Water Company	192.60	0.09745
(Transferred to San Gabriel Valley Water Company)[2]	-192.60	-0.09745
	0.00	**0.00000**
Rincon Ditch Company	628.00	0.31776
(Transferred to Workman Mill Investment Company)[2]	-628.00	-0.31776
	0.00	**0.00000**
Rincon Irrigation Company	314.00	0.15888
(Transferred to Workman Mill Investment Company)[2]	-314.00	-0.15888
	0.00	**0.00000**
Rio Hondo Memorial Foundation, The[3]	--	--
(Formerly Rose Hills Foundation, The)		
(See Rose Hills Foundation, The)		
Rittenhouse, Catherine	**0.00**	**0.00000**
(Transferred to Covell, Ralph)[1]		
Rittenhouse, James	**0.00**	**0.00000**
(Transferred to Covell, Ralph)[1]		
Robertson's Ready Mix, Ltd.[3]		
(Successor to New Owl Rock Products)[2]	715.60	0.36208
(Transferred to San Gabriel County Water District)[2]	-715.60	-0.36208
	0.00	**0.00000**
Rose Hills Memorial Park Association	--	--
(See Rose Hills Foundation, The)		

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Rose Hills Foundation, The[3]		
(Formerly Rose Hills Memorial Park Association)		
(See Rio Hondo Memorial Foundation, The)		
(Formerly Rio Hondo Memorial Foundation, The)	594.00	0.30055
(Successor to Pacific Rock & Gravel Co.)[2]	200.00	0.10120
(Transferred to:		
Workman Mill Investment Co.	-594.00	-0.30055
Workman Mill Investment Co.)[2]	-200.00	-0.10120
	0.00	**0.00000**
Rosemead Development, Ltd.[3]		
(Successor to Thompson, Earl W.)[2]	1.00	0.00051
	1.00	**0.00051**
Rurban Homes Mutual Water Company	**217.76**	**0.11018**
Ruth, Roy	**0.75**	**0.00038**
San Dimas Golf Inc. DBA Via Verde County Club[3]	**0.00**	**0.00000**
San Dimas-La Verne Recreational Facilities Authority		
(Successor to Lang, Frank)[1]	62.50	0.03162
(Transferred to Kirklen, Dawn L. and William R.)[2]	-62.50	-0.03162
	0.00	**0.00000**
San Gabriel Country Club	**286.10**	**0.14476**
San Gabriel County Water District	4,250.00	2.15044
(Successor to:		
Hughes Development Corporation	400.00	0.20239
Hughes Development Corporation	30.20	0.01528
Robertson's Ready Mix, Ltd.)[2]	715.60	0.36208
	5,395.80	**2.73019**
San Gabriel Valley Municipal Water District	**0.00**	**0.00000**
Sawpit Farms, Limited	173.00	0.08754
(Transferred to:		
Eckis, Rolin	-123.00	-0.06224
Doyle and Madruga)[2]	-50.00	-0.02530
	0.00	**0.00000**
Schneiderman, Alan	--	--
(See Birenbaum, Max)		

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Schneiderman, Lydia	--	--
(See Birenbaum, Max)		
Security Pacific National Bank,	38.70	0.01958
Co-trustee for the Estate of Winston F. Stoody		
(See Stoody, Virginia A.)		
(Transferred to City of Whittier)[2]	-38.70	-0.01958
	0.00	**0.00000**
Sierra La Verne Country Club[3]	**0.00**	**0.00000**
Sierra Madre, City of	**0.00**	**0.00000**
Sloan Ranches	129.60	0.06558
(Transferred to Cadway, Inc.)[2]	-129.60	-0.06558
	0.00	**0.00000**
Smith, Charles[3]	**0.00**	**0.00000**
Snyder, Esther[3]		
(Successor to Covell, et al)[2]	18.51	0.00937
(Transfered to Azusa Associates, LLC)[2]	-18.51	-0.00937
	0.00	**0.00000**
Snyder, Harry	--	--
(See Covell, et al.)		
Sonoco Products Company	**311.60**	**0.15766**
South Covina Water Service	992.30	0.50209
(Transferred to:		
Miller Brewing Company	-300.00	-0.15180
Anton C. and Anita Garnier Family Trust	-203.00	-0.10271
The George Wayne and Alexis June Graveline Trust	-203.00	-0.10271
The Estate of Camille A. Garnier, Deceased	-83.30	-0.04215
Garnier, Janus)[2]	-203.00	-0.10272
	0.00	**0.00000**
Southdown, Inc.[3]	--	--
(Formerly AZ-Two, Inc.)		
(See CEMEX California Aggregates, Inc.)		
Southern California Edison Company	155.25	0.07855
(Successor to Associated		
Southern Investment Company)[2]	16.50	0.00835
	171.75	**0.08690**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Southern California Water Company,	--	--
San Gabriel Valley District		
(See Golden State Water Company, San Gabriel Valley District)		
South Pasadena, City of	**3,567.70**	**1.80520**
Southwest Suburban Water	--	--
(See Suburban Water Systems)		
Southwest Water Company [3]		
(Successor to Maple Water Company)[2]	118.50	0.05996
	118.50	**0.05996**
Southwestern Portland Cement Company[3]		
(Successor to Azusa Western, Inc.)[2]	742.00	0.37544
(Transferred to American Sheds, Inc.)[2]	-742.00	-0.37544
	0.00	**0.00000**
Speedway 605, Inc.[3]	**0.00**	**0.00000**
Standard Oil Company of California	--	--
(See Chevron U.S.A.)		
Sterling Mutual Water Company	**120.00**	**0.06072**
Stoody, Virginia A., Co-trustee for the	--	--
Stoody, Winston F., Estate of	--	--
(See Security Pacific National Bank,		
Co-trustee)		
Suburban Water Systems	20,462.47	10.35370
(Formerly Southwest Suburban Water)		
(Successor to:		
Hollenbeck Street Water Company[1]	646.39	0.32706
La Grande Source Water Company[1]	1,078.00	0.54545
La Puente Cooperative Water Co.[1]	1,210.90	0.61270
Valencia Valley Water Company[1]	651.50	0.32965
Victoria Mutual Water Company[1]	469.60	0.23761
Cal Fin[2]	118.10	0.05976
Murphy Ranch Mutual Water Co.[2])	223.23	0.11295
	24,860.19	**12.57888**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Sully-Miller Contracting Company[3]		
(Successor to Blue Diamond Concrete Materials Div., The Flintkote Company)[2]	1,399.33	0.70804
(Transferred to:		
United Rock Products Corporation	-909.56	-0.46022
Hanson Aggregates West, Inc.)[2]	-489.77	-0.24782
	0.00	**0.00000**
Sunny Slope Water Company	**2,228.72**	**1.12770**
Tate, Phillip G. and Sieglinde A.[3]	**57.83**	**0.02926**
(See Covell,et al.)		
(Successor to Jobe, Darr interest in Covell, et al.)[2]		
(Successor to Covell, et al.)[2]		
Taylor Herb Garden	6.00	0.00304
(Transferred to Covina Irrigating Company)[2]	-6.00	-0.00304
	0.00	**0.00000**
Texaco, Inc. (Chevron U.S.A., Inc.)	50.00	0.02530
(Transferred to Durfee Property, LLC)[2]	-50.00	-0.02530
	0.00	**0.00000**
Thompson, Earl W.	1.00	0.00051
(Held in common with Thompson, Mary)		
(Transferred to Rosemead Development, Ltd.)[2]	-1.00	-0.00051
	0.00	**0.00000**
Thompson, Mary	--	--
(See Thompson, Earl W.)		
Tran, Hieu[3]	**0.00**	**0.00000**
Tyler Nursery	**3.21**	**0.00162**
United Concrete Pipe Corporation	376.00	0.19025
(Transferred to Irwindale, City of)[2]	-376.00	-0.19025
	0.00	**0.00000**
United Rock Products Corporation[3]		
(Successor to:		
Sully Miller Contracting Company)[2]	909.56	0.46022
	909.56	**0.46022**
USA Waste of California, Inc.[3]		
(Successor to American Sheds, Inc.)[2]	742.00	0.37544
(Transferred to Aqua Capital Management LP)[2]	-742.00	-0.37544
	0.00	**0.00000**

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
U.S. Pipe & Foundry Company[3]	--	--
(See United Concrete Pipe Corporation)		
Valencia Heights Water Company	861.00	0.43565
(Successor to Crown City Plating Company)[2]	200.00	0.10120
	1,061.00	**0.53685**
Valencia Valley Water Company	**0.00**	**0.00000**
(Transferred to Suburban Water Systems)[1]		
Vallecito Water Company	2,867.00	1.45066
(Transferred to San Gabriel Valley	-2,867.00	-1.45066
Water Company)[2]	**0.00**	**0.00000**
Valley County Water District	5,775.00	2.92206
(Formerly Baldwin Park County Water District)		
(Successor to Park Water Company)[2]	184.01	0.09311
	5,959.01	**3.01517**
Valley Crating Company	**0.00**	**0.00000**
Valley View Mutual Water Company	**616.00**	**0.31169**
Via, H.	--	--
(See Via, H., Trust of)		
Via, H., Trust of	--	--
(Formerly Via, H.)		
(See Parton Family Trust)		
Victoria Mutual Water Company		
(Transferred to Suburban Water Systems)[1]	**0.00**	**0.00000**
Vietnamese American Buddhist Temple Congregation[3]	**0.00**	**0.00000**
Vulcan Materials Company		
(Formerly CalMat)		
(Successor to Manning Bros. Rock & Sand Co.)[2]	1,793.35	0.90740
	1,793.35	**0.90740**
Wade, R.	4.40	0.00223
(Transferred to Hunter, Lloyd F.)[2]	-4.40	-0.00223
	0.00	**0.00000**
Ward Duck Company	--	--
(See Woodland Farms, Inc.)		

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Warren, Clyde	--	--
(See Fisher, Russell)		
W. E. Hall Company	0.20	0.00010
(Transferred to City of El Monte)[2]	-0.20	-0.00010
	0.00	**0.00000**
West Covina Venture, Ltd.[3]		
(Successor to Kiyan Farms)[2]	30.00	0.01518
(Transferred to McIntyre, William)[2]	-30.00	-0.01518
	0.00	**0.00000**
White, June G., Trustee of the June G. White Share of the Garnier Trust[3]		
(Successor to Denton, Kathryn W., Trustee for the San Jose Ranch Company)[2]	185.50	0.09386
(Transferred to Lovelady, June G., Trustee)[2]	-185.50	-0.09386
	0.00	**0.00000**
Whittier, City of	7,620.23	3.85572
(Successor to:		
Grizzle, Lissa B.	184.00	0.09310
Pacific Rock and Gravel Co.	208.00	0.10524
Security Pacific National Bank, Co-trustee for the Estate of Winston F. Stoody	38.70	0.01958
El Monte Union High School District	16.20	0.00820
Gifford, Brooks, Jr.	198.25	0.10031
Birenbaum, Max)[2]	6.00	0.00304
	8,271.38	**4.18519**
Wigodsky, Bernard	--	--
(See Birenbaum, Max)		
Wigodsky, Estera	--	--
(See Birenbaum, Max)		
Wilmott, Erma M.	**0.75**	**0.00038**
(Formerly Comby, Erma M.)		
Wilson, Harold R.	--	--
(See Grizzle, Lissa B.)		
Wilson, Sarah C.	--	--
(See Grizzle, Lissa B.)		

PUMPER	PRESCRIPTIVE PUMPING ACRE-FEET	PUMPER'S SHARE %
Woodland Farms, Inc.	--	--
(See 6W Farms, Inc.)		
(Formerly Ward Duck Company)		
Woodland, Frederick G.[3]	--	--
Woodland, Richard[3]		
(Successor to Bahnsen & Beckman Ind., Inc.)[2]	840.50	0.42528
(Transferred to Miller Brewing Company)[2]	-840.50	-0.42528
(Successor to 6W Farms, Inc.)[2]	297.90	0.15073
(Transferred to Aqua Capital Management LP)[2]	-297.90	-0.15073
	0.00	**0.00000**
Workman Mill Investment Company[3]		
(Successor to:		
Rincon Ditch Company	628.00	0.31776
Rincon Irrigation Company	314.00	0.15888
Rose Hills Memorial Park Association	594.00	0.30055
Rose Hills Foundation, The)[2]	200.00	0.10120
	1,736.00	**0.87839**
Wright, Darrell A., Wright, Merle M. & Carlson, Jeanne W.[3]		
(Successor to Burbank Development Co.)[2]	50.65	0.02563
(Transferred to San Gabriel Valley Water Company)[2]	-50.65	-0.02563
	0.00	**0.00000**
Totals for Exhibit "D"	**129,765.87**	**65.65953**
Totals for Exhibit "E"	**67,868.56**	**34.34047**
GRAND TOTALS	**197,634.43**	**100.00000**

1/ Permanent transfer of rights as recorded at entry of Judgment.
2/ Permanent transfer of rights after entry of Judgment.
3/ Intervenor after Judgment.

EXHIBIT "E"

TABLE SHOWING PRODUCTION RIGHT OF EACH INTEGRATED PRODUCER AS OF JUNE 21, 2012

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
Aqua Capital Management LP[3]			
(Successor to:			
Covell, Ralph	2.12	0.00	0.00000
Covell et al.	0.00	16.19	0.00820
Azusa Associates, LLC	0.00	18.51	0.00937
USA Waste of California, Inc.	0.00	742.00	0.37544
Richard Woodland)[2]	0.00	297.90	0.15073
	2.12	**1,074.60**	**0.54374**
Azusa, City of	0.00	3,655.99	1.84988
(Successor to Monrovia Nursery Company)[2]	363.00	0.00	0.00000
	363.00	**3,655.99**	**1.84988**
Azusa Agricultural Water Company	1,000.00	1,732.20	0.87647
(Transferred to:			
Azusa Valley Water Company	-830.00	-1,437.73	-0.72747
Azusa Valley Water Company)[2]	-170.00	-294.47	-0.14900
	0.00	**0.00**	**0.00000**
Azusa Foot-Hill Citrus Company	718.50	0.00	0.00000
(Transferred to Monrovia Nursery Company)[2]	-718.50		
	0.00	**0.00**	**0.00000**
Azusa Valley Water Company	2,422.00	8,274.00	4.18652
(Successor to:			
Azusa Agricultural Water Company	830.00	1,437.73	0.72747
Azusa Agricultural Water Company)[2]	170.00	294.47	0.14900
	3,422.00	**10,006.20**	**5.06299**
Brierly, Susan K.[3]			
(Successor to Monrovia Nursery Company)[2]	24.00	0.00	0.00000
(Transferred to Miles R. Rosedale)[2]	-8.00		
	16.00	**0.00**	**0.00000**
California-American Water Company (Duarte System)	**1,672.00**	**3,649.00**	**1.84634**

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
California Cities Water Company (See Southern California Water Company, San Dimas District)	--	--	--
Covina Irrigating Company	2,514.00	4,140.00	2.09478
(Successor to:			
City of Covina		1,734.00	0.87737
City of Covina		300.00	0.15179
Taylor Herb Garden		6.00	0.00304
La Verne, City of		355.71	0.17999
Davidson Optronics, Inc.		22.00	0.01113
Goedert, Lillian		7.00	0.00354
Lakin, Kelly R.		6.03	0.00305
Hunter, Lloyd F.		4.40	0.00223
Lakin, Kelly R.)[2]		3.23	0.00163
	2,514.00	**6,578.37**	**3.32855**
CV Glendora 3 Site, LLC)[3]			
(Successor to:			
Rosedale, Miles R.	184.00	0.00	0.00000
Monrovia Nursery Company)[2]	10.00	0.00	0.00000
	194.00	**0.00**	**0.00000**
DeFalco, John and Carole[3]			
(Successor to Nickowitz, at al.)[2]	1.49	0.00	0.00000
	1.49	**0.00**	**0.00000**
Glendora, City of	17.00	8,258.00	4.17842
(Successor to:			
Maechtlen, Estate of J. J.		150.00	0.07590
Maechtlen, Trust of P. A.		50.00	0.02530
Ruebhausen, Arline	18.34		
Glendora Unified High School District		99.00	0.05009
Loyola Marymount University		324.00	0.16394
Clayton Manufacturing Company)[2]		511.80	0.25896
	35.34	**9,392.80**	**4.75261**
Golden State Water Company, San Dimas District[3]	500.00	3,242.53	1.64067
(Formerly California Cities Water Company)			
(Successor to Namimatsu Farms)[2]		196.00	0.09917
	500.00	**3,438.53**	**1.73984**

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
JUH#1[3]			
(Successor to Monrovia Nursery Company)[2]	48.00	0.00	0.00000
(Transferred to Miles R. Rosedale)[2]	-16.00		
	32.00	**0.00**	**0.00000**
Los Angeles, County of	**310.00**	**3,721.30**	**1.88292**
Maechtlen, Estate of J. J., Trustee for the Estate of P.A. Maechtlen	0.00	301.50	0.15256
(Transferred to:			
City of Glendora		-150.00	-0.07590
Miller Brewing Company)[2]		-151.50	-0.07666
	0.00	**0.00**	**0.00000**
Maechtlen, Trust of J. J.[3]	1.49	0.00	0.00000
(Transferred to Otting, David; Otting, Larry; and Webster, Scott)[2]	-1.49	0.00	0.00000
(Successor to Otting, David; Otting, Larry; and Webster, Scott)[2]	1.49	0.00	0.00000
(Transferred to Nikowitz, et al)[2]	-1.49	0.00	0.00000
	0.00	**0.00**	**0.00000**
Maechtlen, Trust of P. A.[3]	0.50	100.50	0.05085
(Transferred to:			
City of Glendora		-50.00	-0.02530
Alice B. Phillips, et al.)[2]	-0.50	-50.50	-0.02555
	0.00	**0.00**	**0.00000**
The Metropolitan Water District of of Southern California	**9.59**	**165.00**	**0.08349**
Monrovia, City of	1,098.00	5,042.22	2.55129
(Successor to:			
Eckis, Rollin		123.00	0.06224
City of Arcadia)[2]		951.00	0.48119
	1,098.00	**6,116.22**	**3.09472**

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
Monrovia Nursery Company	239.50	0.00	0.00000
(Successor to Azusa Foothill Citrus Company)[2]	718.50	0.00	0.00000
(Transferred:			
City of Azusa	-363.00	0.00	0.00000
Brierly, Susan K.	-24.00	0.00	0.00000
Rosedale, Miles R.	-191.00	0.00	0.00000
VanLandingham, Richard	-21.00	0.00	0.00000
JUH#1	-48.00	0.00	0.00000
Rosedale, Lance	-32.00	0.00	0.00000
CV Glendora 3 Site, LLC)[2]	-10.00	0.00	0.00000
	269.00	**0.00**	**0.00000**
Nikowitz, et al[3]			
(Successor to Maechtlen, Trust of J. J.)[2] (Held in common with Nikowitz, Sheryl M. and Walter P.; Pellegrino, Mark and Roxanne; Verdegem, Thomas and Sandra B.)	1.49	0.00	0.00000
(Transferred to DeFalco, John and Carole)[2]	-1.49	0.00	0.00000
	0.00	**0.00**	**0.00000**
Otting, David; Otting, Larry; and Webster, Scott[3]			
(Successor to Maechtlen, Trust of J. J.)[2]	1.49	0.00	0.00000
(Transferred to Maechtlen, Trust of J. J.)[2]	-1.49	0.00	0.00000
	0.00	**0.00**	**0.00000**
Phillips, Alice B., et al.[3]			
(Successor to Maechtlen, Trust of P. A.)[2]	0.50	50.50	0.02555
(Transferred to Miller Brewing Co.)[2]		-50.00	-0.02530
	0.50	**0.50**	**0.00025**
Rosedale, Lance[3]			
(Successor to Monrovia Nursery Company)[2]	**32.00**	**0.00**	**0.00000**
Rosedale, Miles R.[3]			
(Successor to Monrovia Nursery Company)[2]	191.00	0.00	0.00000
(Transferred to CV Glendora 3 Site, LLC)[2]	-184.00	0.00	0.00000
(Successor to:			
Susan K. Brierly	8.00	0.00	0.00000
JUH#1)[2]	16.00	0.00	0.00000
	31.00	**0.00**	**0.00000**

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
San Gabriel Valley Water Company	0.00	16,659.00	8.42920
(Successor to:			
Vallecito Water Co.		2,867.00	1.45066
No. 17 Walnut Place Mutual Water Co.		21.50	0.01088
Cedar Avenue Mutual Water Company		121.10	0.06127
Beverly Acres Mutual Water Users Association		50.00	0.02530
Richwood Mutual Water Company		192.60	0.09745
Nicholson Trust, Helene S.		12.00	0.00607
Durfee Property, LLC		50.00	0.02530
Wright, Darrell A., Wright, Merle M. and Carlson, Jeanne W.		50.65	0.02563
Parton Family Trust		46.20	0.02338
Maddock, A.G.)[2]	3.40		
	3.40	**20,070.05**	**10.15514**
VanLandingham, Richard[3]			
(Successor to Monrovia Nursery Company)[2]	21.00	0.00	0.00000
TOTAL	**10,526.44**	**67,868.56**	**34.34047**

1/ Permanent transfer of rights as recorded at entry of Judgment.
2/ Permanent transfer of rights after entry of Judgment.
3/ Intervenor after Judgment.

EXHIBIT "F"

TABLE SHOWING SPECIAL CATEGORY RIGHTS

PARTY	NATURE OF RIGHT
*The Metropolitan Water District of Southern California *Transferred to the San Gabriel Valley Protective Association 05/07/1996.	Morris Reservoir Storage and Withdrawal (a) A right to divert, store and use San Gabriel River Water, pursuant to Permit No. 7174. (b) Prior and paramount right to divert 72 acre-feet annually to offset Morris Reservoir evaporation and seepage losses and to provide the water supply necessary for presently existing incidental Morris Dam facilities.
Los Angeles County Flood Control District (now Los Angeles County Department of Public Works)	Puddingstone Reservoir Prior Prescriptive right to divert water from San Dimas Wash for storage in Puddingstone Reservoir in quantities sufficient to offset annual evaporation and seepage losses of the reservoir at approximate elevation 942.

EXHIBIT "G"

TABLE SHOWING NON-CONSUMPTIVE USERS

PARTY	NATURE OF RIGHT
Covina Irrigating Company Azusa Valley Water Company Azusa Agricultural Water Co. Azusa Foot-Hill Citrus Co. Monrovia Nursery	"Committee-of-Nine" Spreading Right To continue to divert water from the San Gabriel River pursuant to the 1888 Settlement, and to spread in spreading grounds within the Basin all water thus diverted without the right to recapture water in excess of said parties' rights as adjudicated in exhibit "E".
California-American Water Company (Duarte System)	Spreading Right To continue to divert water from the San Gabriel River pursuant to the 1888 Settlement, and to continue to divert water from Fish Canyon and to spread said waters in its spreading grounds in the Basin without the right to recapture water in excess of said party's rights as adjudicated in Exhibit "E".
City of Glendora	Spreading Right To continue to spread the water of Big and Little Dalton Washes, pursuant to License No. 2592 without the right to recapture water in excess of said party's rights as adjudicated in Exhibit "E".
San Gabriel Valley Protective Association	Spreading Right To continue to spread San Gabriel River water pursuant to License Nos. 9991 and 12,209, without the right to recapture said water.
Golden State Water Company (formerly *California Cities Water Company*)	Spreading Right To continue to spread waters from San Dimas Wash without the right to recapture water in excess of said party's rights as adjudicated in Exhibit "E".
Los Angeles County Flood Control District	Temporary storage of storm flow for regulatory purposes; Spreading and conservation for general benefit in streambeds, reservoirs and spreading grounds without the right to recapture said water. Maintenance and operation of dams and other flood control works.

EXHIBIT "H"

WATERMASTER OPERATING CRITERIA

1. **Basin Storage Capacity.** The highest water level at the end of a water year during the past 40 years was reached at the Key Well on September 30, 1944 (elevation 316). The State of California, Department of Water Resources, estimates that as of that date, the quantity of fresh water in storage in the Basin was approximately 8,600,000 acre-feet. It is also estimated by said Department that by September 30, 1960, the quantity of fresh water in storage had decreased to approximately 7,900,000 acre-feet (elevation 237 at the Key Well).

The lowest water level at the end of a water year during the past 40 years was reached at the Key Well on September 30, 1965 (elevation 209). It is estimated that the quantity of fresh water in storage in the Basin on that date was approximately 7,700,000 acre-feet.

Thus, the maximum utilization of Basin storage was approximately 900,000 acre-feet, occurring between September 30, 1944, and September 30, 1965 (between elevations 316 and 209 at the Key Well). This is not to say that more than 900,000 acre-feet of storage space below the September 30, 1944 water levels cannot be utilized. However, it demonstrates that pumpers have deepened their wells and lowered their pumps so that such 900,000 acre-feet of storage can be safely and economically utilized.

The storage capacity of the Basin between elevations of 200 and 250 at the Key Well represents a usable volume of approximately 400,000 acre-feet of water.

2. **Operating Safe Yield and Spreading.** Watermaster in determining Operating Safe Yield and the importation of Replacement Water shall be guided by water level elevations in the Basin. He shall give recognition to, and base his operations on, the following general objectives insofar as practicable and subject to Section 47 of the Judgment (Amended 6/21/12):

(a) The replenishment of ground water from sources of supplemental water should not cause excessively high levels of ground water and such replenishment should not cause undue waste of local water supplies.

(b) Certain areas within the Basin are not at the present time capable of being recharged with supplemental water. Efforts should be made to provide protection to such areas from excessive ground water lowering either through the "in lieu" provisions of the

Judgment or by other means.

(c) Watermaster shall consider and evaluate the long-term consequences on ground water quality, as well as quantity, in determining and establishing Operating Safe Yield. Recognition shall be given to the enhancement of ground water quality insofar as practicable, especially in the area immediately upstream of Whittier Narrows where degradation of water quality may occur when water levels at the Key Well are maintained at or below elevation 200.

(d) Watermaster shall take into consideration the comparative costs of supplemental and Make-up Water in determining the savings on a present value basis of temporary or permanent lowering or raising of water levels and other economic data and analyses indicating both the short-term and long-term propriety of adjusting Operating Safe Yield in order to derive optimum water levels during any period. Watermaster shall utilize the provisions in the Long Beach Judgment which will result in the least cost of delivering Make-up Water.

3. **Replacement Water -- Sources and Recharge Criteria.** The following criteria shall control purchase of Replacement Water and Recharge of the Basin by Watermaster.

(a) **Responsible Agency From Which to Purchase.** Watermaster, in determining the Responsible Agency from which to purchase supplemental water for replacement purposes, shall be governed by the following:

(1) **Place of Use of Water** which is used primarily within the Basin or by cities within San Gabriel District in areas within or outside the Basin shall control in determining the Responsible Agency. For purposes of this subparagraph, water supplied through a municipal water system which lies chiefly within the Basin shall be deemed entirely used within the Basin; and

(2) **Place of production of water** shall control in determining the Responsible Agency as to water exported from the Basin, except as to use within San Gabriel District.

Any Responsible Agency may, at the request of Watermaster, waive its right to act as the source for such supplemental water, in which case Watermaster shall be free to purchase such water from the

remaining Responsible Agencies which are the most beneficial and appropriate sources; provided, however, that a Responsible Agency shall not authorize any sale of water in violation of the California Constitution.

(b) **Water Quality.** Watermaster shall purchase the best quality of supplemental water available for replenishment of the Basin, pursuant to subsection (a) hereof.

(c) **Reclaimed Water.** It is recognized that the technology and economic and physical necessity for utilization of reclaimed water is increasing. The purchase of reclaimed water in accordance with the Long Beach Judgment to satisfy the Make-up Obligation is expressly authorized. At the same time, water quality problems involved in the reuse of water within the Basin pose serious questions of increased costs and other problems to the pumpers, their customers and all water users. Accordingly, Watermaster is authorized to gather information, make and review studies, and make recommendations on the feasibility of the use of reclaimed water for replacement purposes; provided that no reclaimed water shall be recharged in the Basin by Watermaster without the prior approval of the court, after notice to all parties and hearing thereon.

(d) **Purchased Water Plan.** On or before November 1 of each year, Watermaster shall prepare and distribute to the Responsible Agencies a three-year projection of its Supplemental Water purchases from each agency. Watermaster shall, to the extent feasible, coordinate the tentative schedule for delivery and payment of those purchases with each agency. (Amended 6/21/12)

4. **Replacement Assessment Rates.** The Replacement Assessment rates may be in an amount calculated to allow Watermaster to purchase more than one acre-foot of Supplemental Water for each acre-foot of excess Production to which such Assessment applies, when such purchases are prudent in order to secure necessary Supplemental Water supplies for the benefit of the Basin and parties. In accordance with Rules and Regulations adopted by Watermaster, to the extent Watermaster purchases more than one acre-foot of Supplemental Water for each acre-foot of excess Production to which such Assessment applies, a credit shall be issued to the affected Producers at the time such excess water is purchased. (Amended 6/21/12)

EXHIBIT "J"

PUENTE NARROWS AGREEMENT

THIS AGREEMENT is made and entered into as of the 8th day of May, 1972, by and between PUENTE BASIN WATER AGENCY, herein called "Puente Agency", and UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT, herein called "Upper District".

A. RECITALS

1. Puente Agency. Puente Agency is a joint powers agency composed of Walnut Valley Water District, herein called "Walnut District", and Rowland Area County Water District, herein called "Rowland District". Puente Agency is formed for the purpose of developing and implementing a ground water basin management program for Puente Basin. Pursuant to said purpose, said Agency is acting as a representative of its member districts and of the water users and water right claimants therein in the defense and maintenance of their water rights within Puente Basin.

2. Upper District. Upper District is a municipal water district overlying a major portion of the Main San Gabriel Basin. Upper District is plaintiff in the San Gabriel Basin Case, wherein it seeks to adjudicate rights and implement a basin management plan for the Main San Gabriel Basin.

3. Puente Basin is a ground water basin tributary to the Main San Gabriel Basin. Said area was included within the scope of the San Gabriel Basin Case and substantially

all water rights claimants within Puente Basin were joined as defendants therein. The surface contribution to the Main San Gabriel Basin from Puente Basin is by way of the paved flood control channel of San Jose Creek, which passes through Puente Basin from the Pomona Valley area. Subsurface outflow is relatively limited and moves from the Puente Basin to the Main San Gabriel Basin through Puente Narrows.

4. Intent of Agreement. Puente Agency is prepared to assure Upper District that no activity within Puente Basin will hereafter be undertaken which will (1) interfere with surface flows in San Jose Creek, or (2) impair the subsurface flow from Puente Basin to the Main San Gabriel Basin. Walnut District and Rowland District, by operation of law and by express assumption endorsed hereon, assume the covenants of this agreement as a joint and several obligation. Based upon such assurances and the covenants hereinafter contained in support thereof, Upper District consents to the dismissal of all Puente Basin parties from the San Gabriel Basin Case. By reason of said dismissals, Puente Agency will be free to formulate a separate water management program for Puente Basin.

B. DEFINITIONS AND EXHIBITS

5. Definitions. As used in this Agreement, the following terms shall have the meanings herein set forth:

(a) Annual or Year refers to the fiscal year July 1 through June 30.

(b) Base Underflow. The underflow through

Puente Narrows which Puente Agency agrees to maintain, and on which accrued debits and credits shall be calculated.

(c) Make-up Payment. Make-up payments shall be an amount of money payable to the Watermaster appointed in the San Gabriel Basin Case, sufficient to allow said Watermaster to purchase replacement water on account of any accumulated deficit as provided in Paragraph 9 hereof.

(d) Puente Narrows. The subsurface geologic constriction at the downstream boundary of Puente Basin, located as shown on Appendix "B".

(e) Main San Gabriel Basin, the ground water basin shown and defined as such in Exhibit "A" to the Judgment in the San Gabriel Basin Case.

(f) San Gabriel Basin Case. Upper San Gabriel Valley Municipal Water District v. City of Alhambra, et al., L. A. Sup. Ct. No. 924128, filed January 2, 1968.

6. Appendices. Attached hereto and by this reference made a part hereof are the following appendices:

"A" -- Location Map of Puente Basin, showing major geographic, geologic, and hydrologic features.

"B" -- Map of Cross-Section Through Puente Narrows, showing major physical features and location of key wells.

"C" -- Engineering Criteria, being a description of a method of measurement of subsurface outflow to be utilized for Watermaster purposes.

C. COVENANTS

7. Watermaster. There is hereby created a two member Watermaster service to which each of the parties to this agreement shall select one consulting engineer. The respective representatives on said Watermaster shall serve at the pleasure of the governing body of each appointing party and each party shall bear its own Watermaster expense.

a. Organization. Watermaster shall perform the duties specified herein on an informal basis, by unanimous agreement. In the event the two representatives are unable to agree upon any finding or decision, they shall select a third member to act, pursuant to the applicable laws of the State of California. Thereafter, until said issue is resolved, said three shall sit formally as a board of arbitration. Upon resolution of the issue in dispute, the third member shall cease to function further.

b. Availability of Information. Each party hereto shall, for itself and its residents and water users, use its best efforts to furnish all appropriate information to the Watermaster in order that the required determination can be made.

c. Cooperation With Other Watermasters. Watermaster hereunder shall cooperate and coordinate activities with the Watermasters appointed in the San Gabriel Basin Case and in Long Beach v. San Gabriel Valley Water Company, et al.

d. Determination of Underflow. Watermaster shall annually determine the amount of underflow from Puente Basin to the San Gabriel Basin, pursuant to Engineering Criteria.

e. Perpetual Accounting. Watermaster shall maintain a perpetual account of accumulated base underflow, accumulated subsurface flow, any deficiencies by reason of interference with surface flows, and the offsetting credit for any make-up payments. Said account shall annually show the accumulated credit or debit in the obligation of Puente Agency to Upper District.

f. Report. Watermaster findings shall be incorporated in a brief written report to be filed with the parties and with the Watermaster in the San Gabriel Basin Case. Said report shall contain a statement of the perpetual account heretofore specified.

8. Base Underflow. On the basis of a study and review of historic underflow from Puente Basin to the Main San Gabriel Basin, adjusted for the effect of the paved flood control channel and other relevant considerations, it is

mutually agreed by the parties that the base underflow is and shall be 580 acre feet per year, calculated pursuant to Engineering Criteria.

9. Puente Agency's Obligation. Puente Agency covenants, agrees and assumes the following obligation hereunder:

a. Noninterference with Surface Flow. Neither Puente Agency nor any persons or entities within the corporate boundaries of Walnut District or Rowland District will divert or otherwise interfere with or utilize natural surface runoff now or hereafter flowing in the storm channel of San Jose Creek; provided, however, that this covenant shall not prevent the use, under Watermaster supervision, of said storm channel by the Puente Agency or Walnut District or Rowland District for transmission within Puente Agency of supplemental or reclaimed water owned by said entities and introduced into said channel solely for transmission purposes. In the event any unauthorized use of surface flow in said channel is made contrary to the covenant herein provided, Puente Agency shall compensate Upper District by utilizing any accumulated credit or by make-up payment in the same manner as is provided for deficiencies in subsurface outflow from Puente Basin.

b. Subsurface Outflow. To the extent that

the accumulated subsurface outflow falls below the accumulated base underflow and the result thereof is an accumulated deficit in the Watermaster's annual accounting, Puente Agency agrees to provide make-up payments during the next year in an amount not less than one-third of the accumulated deficit.

c. Purchase of Reclaimed Water. To the extent that Puente Agency or Walnut District or Rowland District may hereafter purchase reclaimed water from the facilities of Sanitation District 21 of Los Angeles County, such purchaser shall use its best efforts to obtain waters originating within San Gabriel River Watershed.

10. Puente Basin Parties Dismissal. In consideration of the assumption of the obligation hereinabove provided by Puente Agency, Upper District consents to entry of dismissals as to all Puente Basin parties in San Gabriel Basin Case. This agreement shall be submitted for specific approval by the Court and a finding that it shall operate as full satisfaction of any and all claims by the parties within Main San Gabriel Basin against Puente Basin parties by reason of historic surface and subsurface flow.

Exhibit "J"

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed as of the day and date first above written.

Approved as to form:
CLAYSON, STARK, ROTHROCK & MANN

By _____
Attorneys for Puente Agency

PUENTE BASIN AGENCY

By _____
EDMOND M. BIEDERMAN
President

Approved as to form:

By _____
Attorney for Upper District

UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT

By _____
Howard H. Hawkins
President

The foregoing agreement is approved and accepted, and the same is acknowledged as the joint and several obligation of the undersigned.

Approved as to form:

_____
Attorney for Walnut District

WALNUT VALLEY WATER DISTRICT

By _____
J. P. BOURDET
Vice President

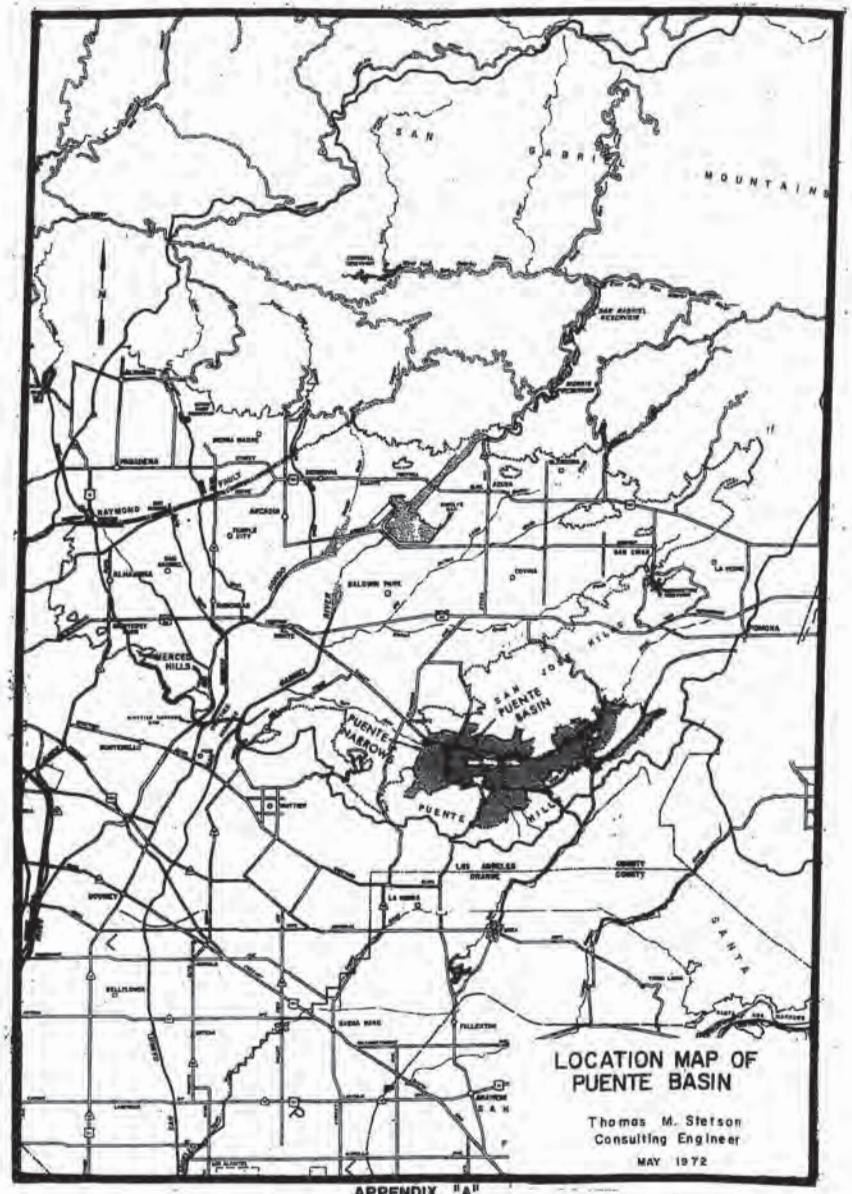
Approved as to form:

_____
Attorneys for Rowland District

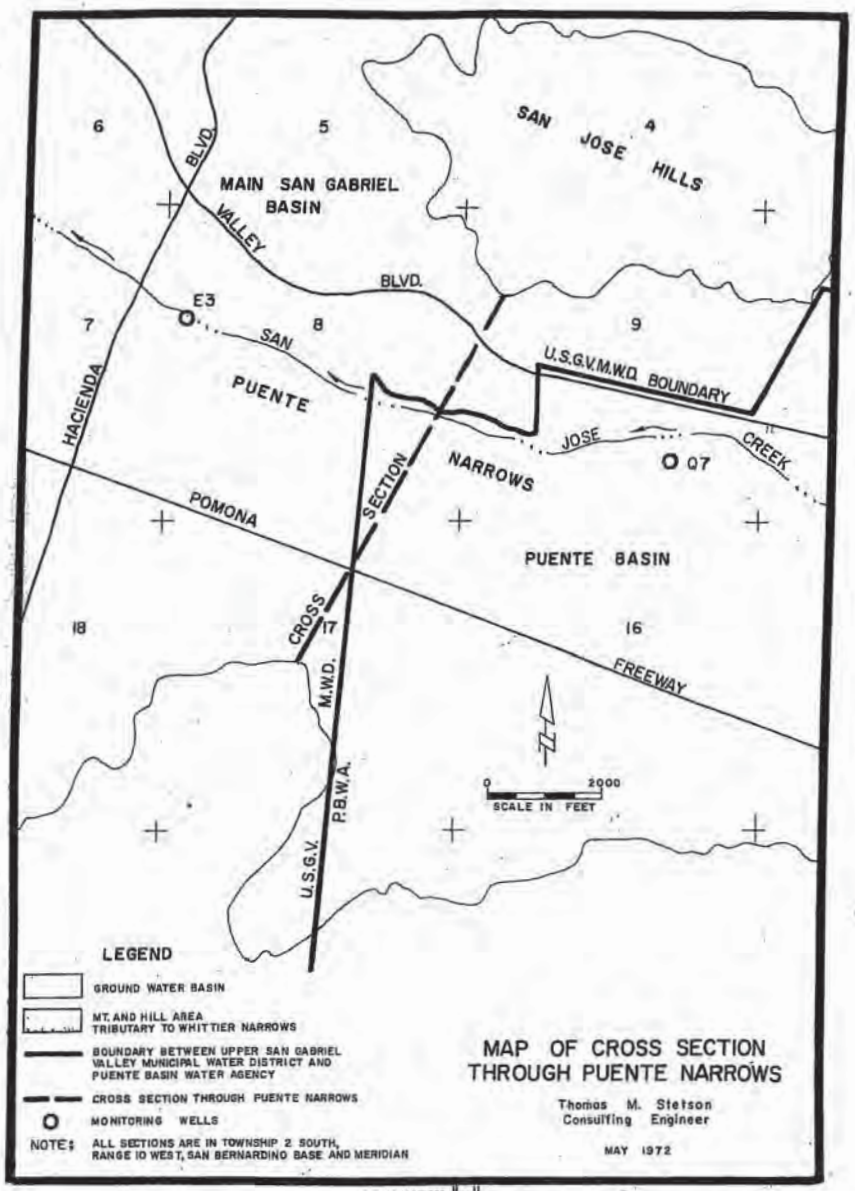
ROWLAND AREA COUNTY WATER DISTRICT

By _____
President
Wm. A. Simmons

Exhibit "J"



APPENDIX "A"
EXHIBIT "J"



APPENDIX "B"
EXHIBIT "J"

ENGINEERING CRITERIA

APPENDIX "C"

1. Monitoring Wells. The wells designated as State Wells No. 2S/10W-9Q7 and 2S/10W-8E3 and Los Angeles County Flood Control District Nos. 3079M and 3048B, respectively, shall be used to measure applicable ground water elevations. In the event either monitoring well should fail or become unrepresentative, a substitute well shall be selected or drilled by Watermaster. The cost of drilling a replacement well shall be the obligation of the Puente Agency.

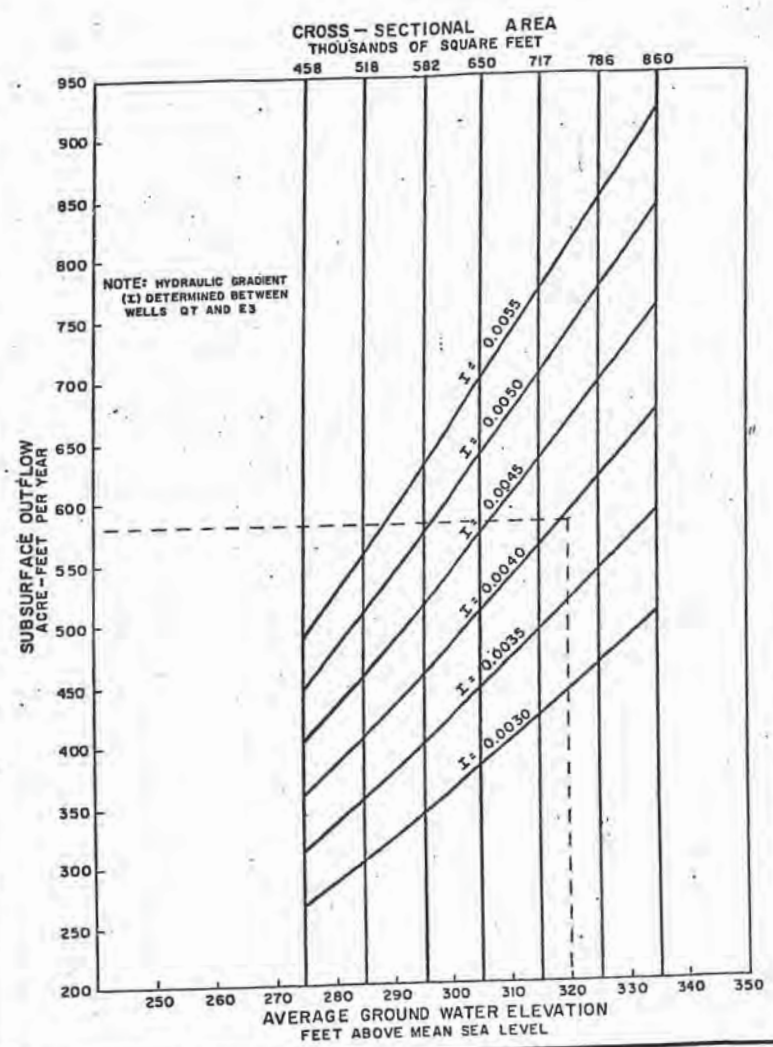
2. Measurement. Each monitoring well shall be measured and the ground water elevation determined semi-annually on or about April 1 and October 1 of each year. Prior to each measurement, the pump shall be turned off for a sufficient period to insure that the water table has recovered to a static or near equilibrium condition.

3. Hydraulic Gradient. The hydraulic gradient, or slope of the water surface through Puente Narrows, shall be calculated between the monitoring wells as the difference in water surface elevation divided by the distance, approximately 9,000 feet, between the wells. The hydraulic gradient shall be determined for the spring and fall and the average hydraulic gradient calculated for the year.

4. Ground Water Elevation at Puente Narrows Cross Section. The ground water elevation at the Puente Narrows

cross section midway between the monitoring wells shall be the average of the ground water elevation at the two wells. This shall be determined for the spring and fall and the average annual ground water elevation calculated for the year.

5. Determination of Underflow. The chart attached is a photo-reduction of a full scale chart on file with the Watermaster. By applying the appropriate average annual hydraulic gradient (I) to the average annual ground water elevation at the Puente Narrows cross section (involving the appropriate cross-sectional area [A]), it is possible to read on the vertical scale the annual acre feet of underflow.



RELATIONSHIP OF AVERAGE GROUND WATER ELEVATION AT PUENTE NARROWS AND APPLICABLE CROSS-SECTIONAL AREA WITH SUBSURFACE OUTFLOW THROUGH PUENTE NARROWS FOR VARIOUS HYDRAULIC GRADIENTS

Thomas M. Stetson
Consulting Engineer
MAY 1972

EXHIBIT "J"

EXHIBIT "K"

OVERLYING RIGHTS

I. NATURE OF OVERLYING RIGHT

An "Overlying Right" is the right to Produce water from the Main San Gabriel Basin for use on the overlying lands hereinafter described. Such rights are exercisable without quantitative limit only on said overlying land and cannot be separately conveyed or transferred apart therefrom. The exerciser of such right is assessable by Watermaster as provided in Paragraph 21 of the Amended Judgment herein (prior Paragraph 14.5 of the Judgment herein) and is subject to the other provisions of said Paragraph.

II. OVERLYING LANDS (Description)

The overlying lands to which Overlying Rights are appurtenant are described as follows:

"Those portions of Lots 1 and 2 of the lands formerly owned by W.A. Church, in the Rancho San Francisquito, in the City of Irwindale, County of Los Angeles, State of California, as shown on recorder's filed map No. 509, in the office of the County Recorder of said County, lying northeasterly of the northeasterly line and its southeasterly prolongation of Tract 1888, as shown on map recorded in Book 21 page 183 of Maps, in the office of the County Recorder of said County.

"EXCEPT the portions thereof lying northerly and northwesterly of the center line of Arrow Highway described 'Sixth' and the center line of Live Oak Avenue described 'Third' in a final decree of condemnation, a certified copy of which was recorded August 18, 1933 as Instrument No. 354, in Book 12289, Page 277, Official Records.

"ALSO EXCEPT that portion of said land described in the final decree of condemnation entered in Los Angeles County Superior Court Case No. 805008, a certified copy of which was recorded September 21, 1964, as Instrument No. 3730 in Book D-2634, Page 648, Official Records."

III. PRODUCERS ENTITLED TO EXERCISE OVERLYING RIGHTS AND THEIR RESPECTIVE CONSUMPTIVE USE PORTIONS

The persons entitled to exercise Overlying Rights are both the owners of Overlying Rights and persons and entities licensed by such owners to exercise such Overlying Rights. The persons entitled to exercise Overlying Rights and their respective Consumptive Use portions are as follows:

OWNER PRODUCERS	CONSUMPTIVE USE PORTION
BROOKS GIFFORD, SR. BROOKS GIFFORD, JR. PAUL MNOIAN JOHN MGRDICHIAN J. EARL GARRETT	3.5 acre-feet per year
Present User: Nu-Way Industries	

PRODUCERS UNDER LICENSE

A.	WILLIAM C. THOMAS and EVELYN F. THOMAS, husband and wife, and MALCOLM K. GATHERER and JACQUELINE GATHERER, husband and wife, doing business by and through B & B REDI-I-MIX CONCRETE, INC., a corporation	45.6 acre-feet per year
B.	PRE-STRESS CRANE RIGGING & TRUCK CO., INC., a corporation	1.0 acre-foot per year
	Present Users: Pre-Stress Crane Rigging & Truck Co., Inc., a corporation	
	TOTAL	50.1 acre-feet per year

IV.	**ANNUAL GROSS AMOUNT OF PRODUCTION FROM WHICH CONSUMPTIVE USE PORTIONS WERE DERIVED**	183.65 acre-feet

EXHIBIT "K"

CONSUMPTIVE USE PORTIONS OF PRODUCERS WITH OVERLYING RIGHTS AS OF JUNE 30, 2013

OVERLYING PRODUCER	CONSUMPTIVE USE PORTION (ACRE-FEET)
1. Mnoian-Gifford Interests	
Owner Producers	
Paul Mnoian[3]	
Brooks Gifford, Sr.[3]	
Brooks Gifford, Jr.[3]	
John Mgrdichian[3]	
J. Earl Garrett[3]	
Present User: Nu-Way Industries	3.5
Producers Under License	
William C. Thomas[3]	
Evelyn F. Thomas[3]	
Malcolm K. Gatherer[3]	
Jacqueline Gatherer[3]	
Present User: B & B Red-I-Mix Concrete, Inc.	45.6
Pre-Stress Crane Rigging and Truck, Co., Inc.[3]	1.0
	50.1
2. Attalla, Phillip Y. and Mary L.[3]	29.9
3. Citrus Valley Medical Center, Queen of the Valley Campus.[3] (Formerly Queen of the Valley Hospital.[3])	4.5
4. S.L.S & N. Inc.[3]	—
TOTAL	84.5

1/ Permanent transfer of rights as recorded within Exhibits "C", "D", and "E" of Judgment.
2/ Permanent transfer of rights after entry of Judgment.
3/ Intervenor after Judgment.

EXHIBIT "L"

LIST OF PRODUCERS AND THEIR DESIGNEES
June 21, 2012

PRODUCER	DESIGNEE
Adams Ranch Mutual Water Company	Domenic T. Cimarusti
Alhambra, City of	Mary Chavez
Amarillo Mutual Water Company	John Holzinger
Anderson Family Marital Trust	Carolyn Heinrich
Andrade, Susan	Susan Andrade
Aqua Capital Management LP	David L. Penrice
Arcadia, City of	Tom Tait
Azusa, City of	Chet Anderson
Azusa Agricultural Water Company	Chet Anderson
Azusa Valley Water Company	Chet Anderson
Bandel Family Trust	Candace Garnier Bandel
Banks, Gale C. and Vicki L.	Gale and Vicki Banks
Brezina Trust 2001, Raymond W. and Susan W.	Raymond W. Brezina
Brierly, Susan K.	Reiner Kruger
Brondino, Jeanne	Jeanne Brondino
Cadway, Inc.	James M. Byerrum
California-American Water Company (Duarte System)	Todd Brown
California-American Water Company (San Marino System)	Todd Brown
California Domestic Water Company	James M. Byerrum
Canyon Water Company	William McIntyre
Canyon Water & Development Corporation	Chet Anderson
Champion Mutual Water Company	Bryan P. Hellein
Chevron U.S.A.	Leon F. Drozd, Esq.
Citrus Valley Medical Center, Queen of the Valley Campus	Gregory J. Landers
Coiner, James W., dba Coiner Nursery	James W. Coiner
County Sanitation District No. 18	Raymond Tremblay
Covina, City of	Daryl Parrish
Covina Irrigating Company	David D. De Jesus
Crevolin, A. J.	A. J. Crevolin
CV Glendora 3 Site, LLC	Bill McReynolds
Dawes, Mary Kay	Mary Kay Partridge
DeFalco, John and Carole	John and Carole DeFalco
Del Rio Mutual Water Company	Dario Herrera
Driftwood Dairy	David Trenkenschuh

PRODUCER	DESIGNEE
East Pasadena Water Company	Lawrence M. Morales
El Monte, City of	Rene Bobadilla
El Monte Cemetery Association	Todd Brown
Fox Family Trust Michael Edward Fox and Crystal Marie Fox, Trustees	Michael and Crystal Fox
Garnier Family Trust, Anton C. and Anita	Anton C. and Anita Garnier
Garnier, Ruth Elaine Ailor Trust	Renee Garnier Poivre
Gates, James Richard	James Richard Gates
Glendora, City of	Steve Patton
Golden State Water Company - San Dimas District	Patrick Scanlon
Golden State Water Company - San Gabriel Valley District	Benjamin Lewis, Jr.
Green, Walter	Dr. Walter Green
Hanson Aggregates West, Inc.	Michael Rogers
Heinrich, Carolyn	Carolyn Heinrich
Hemlock Mutual Water Company	Robert McClung
Industry Waterworks Systems, City of	Gregory B. Galindo
Irwindale, City of	Sol Benudiz
JUH #1	Reiner Kruger
Kirklen, Jeffery B.	Jeffery B. Kirklen
Knight, William J.	William J. Knight
Landeros, John	John Landeros
La Puente Valley County Water District	Gregory B. Galindo
Lovelady, June G., Trustee	June G. Lovelady
Los Angeles, County of	Robert Maycumber
Loucks, David	David Loucks
Maddock, A.G.	S. Joellen Maddock
Maggiore, Valarie	Valarie Maggiore
McIntyre, William	William McIntyre
Metropolitan Water District of Southern California	Lorraine Aoys
Miller Coors LLC	Jeffrey D. Arbour
Monrovia, City of	Ron Bow
Monrovia Nursery	Reiner Kruger
Monterey Park, City of	Elias Saykali
Munoz, Ralph	Ralph Munoz
Nicholson Trust, The	M. L. Whitehead
Nicholson Family Trust, The	M. L. Whitehead

PRODUCER	DESIGNEE
Parton Family Trust	Vernal O. and Marverna Parton
Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of	James M. Byerrum
Pico County Water District	Mark Grajeda
Polopolus, et. Al	Helen Gaskins
Rados Brothers	Alexander S. Rados
Rosedale, Lance	Reiner Kruger
Rosedale, Miles R.	Reiner Kruger
Rosemead Development LTD.	John W. Lloyd
Rurban Homes Mutual Water Company	George W. Bucey
Ruth, Roy	Roy Ruth
San Gabriel Country Club	Eddie Villanueva
San Gabriel County Water District	Barbara A. Carrera
San Gabriel Valley Municipal Water District	Darin Kasamoto
San Gabriel Valley Water Company	Michael L. Whitehead
Sierra La Verne Country Club	Donald Johnson
Sierra Madre, City of	Bruce Inman
Sonoco Products Company	Khaleda Hamid
South Pasadena, City of	Marcelino Aguilar
Southern California Edison Company	Jorge A. Rosa, Jr.
Southwest Water Company	Richard J. Rich
Sterling Mutual Water Company	Joy Ann Burt
Suburban Water Systems	Michael Quinn
Sunny Slope Water Company	Ken Tcheng
Tate, Phillip G. and Sieglinde A.	Phillip Tate
Three Valleys Municipal Water District	Richard W. Hansen
Tomovich, Nick and Sons	Nick Tomovich
Hieu Tran	Hieu Tran
Tyler Nursery	Fumiko Kishi
USA Waste of California, Inc.	Joseph J. Cassin
United Rock Products Corporation	Russ Caruso
Upper San Gabriel Valley Municipal Water District	Steven P. O'Neill
Valencia Heights Water Company	P. David Michalko
Valley County Water District	Lynda A. Noriega
Valley View Mutual Water Company	Sukie Madrid
VanLandingham, Richard	Reiner Kruger
Vietnamese American Buddhist Temple Congregation	Thích Viên Ly
Vulcan Materials Company	Robert W. Bowcock

PRODUCER	DESIGNEE
Whittier, City of	Daniel Wall
Wilmott, Erma M.	Erma M. Wilmott
Woodland, Richard	Richard J. Woodland
Workman Mill Investment Company	Bruce A. Lazenby

EXHIBIT "M"

WATERMASTER MEMBERS

FOR CALENDAR YEAR 1973

ROBERT T. BALCH (Producer Member), Chairman
LINN E. MAGOFFIN (Producer Member), Vice Chairman
RICHARD L. ROWLAND (Producer Member), Secretary
BOYD KERN (Public Member), Treasurer
WALKER HANNON (Producer Member)
HOWARD H. HAWKINS (Public Member)
M.E. MOSLEY (Producer Member)
CONRAD T. REIBOLD (Public Member)
HARRY C. WILLS (Producer Member)

STAFF

Carl Fossette, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1974

ROBERT T. BALCH (Producer Member), Chairman
LINN E. MAGOFFIN (Producer Member), Vice Chairman
RICHARD L. ROWLAND (Producer Member), Secretary
BOYD KERN (Public Member), Treasurer
WALKER HANNON (Producer Member)
BURTON E. JONES (Public Member)
M.E. MOSLEY (Producer Member)
CONRAD T. REIBOLD (Public Member)
HARRY C. WILLS (Producer Member)

STAFF

Carl Fossette, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1975

ROBERT T. BALCH (Producer Member), Chairman
LINN E. MAGOFFIN (Producer Member), Vice Chairman
HARRY C. WILLS (Producer Member), Secretary
BOYD KERN (Public Member), Treasurer
WALKER HANNON (Producer Member)
BURTON E. JONES (Public Member)
D.J. LAUGHLIN (Producer Member)
M.E. MOSLEY (Producer Member)
CONRAD T. REIBOLD (Public Member)

STAFF

Carl Fossette, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1976

ROBERT T. BALCH (Producer Member), Chairman
LINN E. MAGOFFIN (Producer Member), Vice Chairman
HARRY C. WILLS (Producer Member), Secretary
BOYD KERN (Public Member), Treasurer
WALKER HANNON (Producer Member)
BURTON E. JONES (Public Member)
D.J. LAUGHLIN (Producer Member)
M.E. MOSLEY (Producer Member)
CONRAD T. REIBOLD (Public Member)

STAFF

Jane M. Bray, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1977

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LINN E. MAGOFFIN (Producer Member), Vice Chairman
HARRY C. WILLS (Producer Member), Secretary
CONRAD T. REIBOLD (Public Member), Treasurer
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Thomas M. Stetson, Engineer

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D.J. LAUGHLIN (Producer Member), Secretary
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BURTON E. JONES (Public Member)
L.E. MOELLER (Producer Member)
R.H. NICHOLSON, JR. (Producer Member)
WILLIAM M. WHITESIDE (Public Member)

STAFF

Jane M. Bray, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1979

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R.H. NICHOLSON, JR. (Producer Member), Vice Chairman
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CONRAD T. REIBOLD (Public Member), Treasurer
ROBERT T. BALCH (Producer Member)
ROBERT G. BERLIEN (Producer Member)*
ANTON C. GARNIER (Producer Member)
D.J. LAUGHLIN (Producer Member)**
TRAVIS L. MANNING (Public Member)
L.E. MOELLER (Producer Member)

STAFF

Jane M. Bray, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

* Elected March 1979 to replace D.J. Laughlin, following his resignation.
** Resigned from Watermaster in February 1979.

FOR CALENDAR YEAR 1980

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R.H. NICHOLSON, JR. (Producer Member), Vice Chairman
WILLIAM M. WHITESIDE (Public Member), Secretary
CONRAD T. REIBOLD (Public Member), Treasurer
ROBERT T. BALCH (Producer Member)
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LINN E. MAGOFFIN (Producer Member), Chairman
R.H. NICHOLSON, JR. (Producer Member), Vice Chairman
WILLIAM M. WHITESIDE (Public Member), Secretary
CONRAD T. REIBOLD (Public Member), Treasurer
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STAFF

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Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1984

LINN E. MAGOFFIN (Producer Member), Chairman
R.H. NICHOLSON, JR. (Producer Member), Vice Chairman
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CONRAD T. REIBOLD (Public Member), Treasurer
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ALFRED F. WITTIG (Public Member)

STAFF

Jane M. Bray, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1985

LINN E. MAGOFFIN (Producer Member), Chairman
R.H. NICHOLSON, JR. (Producer Member), Vice Chairman
ROBERT G. BERLIEN (Producer Member), Secretary
CONRAD T. REIBOLD (Public Member), Treasurer
ROBERT T. BALCH (Producer Member)
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L.E. MOELLER (Producer Member)
ALFRED F. WITTIG (Public Member)

STAFF

Jane M. Bray, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1986

LINN E. MAGOFFIN (Producer Member), Chairman
R.H. NICHOLSON, JR. (Producer Member), Vice Chairman
ROBERT G. BERLIEN (Producer Member), Secretary
CONRAD T. REIBOLD (Public Member), Treasurer
ROBERT T. BALCH (Producer Member)
DONALD F. CLARK (Public Member)
L.E. MOELLER (Producer Member)
REGINALD A. STONE (Producer Member)
ALFRED F. WITTIG (Public Member)

STAFF

Jane M. Bray, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1987

LINN E. MAGOFFIN (Producer Member), Chairman
REGINALD A. STONE (Producer Member), Vice Chairman
L.E. MOELLER (Producer Member), Secretary
ALFRED F. WITTIG (Public Member), Treasurer
ROBERT T. BALCH (Producer Member)
GERALD J. BLACK (Producer Member)
DONALD F. CLARK (Public Member)
EDWARD R. HECK (Producer Member)
JOHN E. MAULDING (Public Member)

STAFF

Robert G. Berlien, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1988

LINN E. MAGOFFIN (Producer Member), Chairman

REGINALD A. STONE (Producer Member), Vice Chairman

L.E. MOELLER (Producer Member), Secretary

ALFRED F. WITTIG (Public Member), Treasurer

ROBERT T. BALCH (Producer Member)

GERALD J. BLACK (Producer Member)

DONALD F. CLARK (Public Member)

EDWARD R. HECK (Producer Member)

JOHN E. MAULDING (Public Member)

STAFF

Robert G. Berlien, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1989

LINN E. MAGOFFIN (Producer Member), Chairman

REGINALD A. STONE (Producer Member), Vice Chairman

GERALD J. BLACK (Producer Member), Secretary

ALFRED F. WITTIG (Public Member), Treasurer

ROBERT T. BALCH (Producer Member)*

DONALD F. CLARK (Public Member)

EDWARD R. HECK (Producer Member)

BURTON E. JONES (Public Member)

NELS PALM (Producer Member)**

THOMAS E. SHOLLENBERGER (Producer Member)

STAFF

Robert G. Berlien, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

* DECEASED APRIL 25, 1989

** Appointed August 24, 1989, for the balance of the calendar year term, to replace deceased member, Robert T. Balch.

FOR CALENDAR YEAR 1990

LINN E. MAGOFFIN (Producer Member), Chairman
REGINALD A. STONE (Producer Member), Vice Chairman
GERALD J. BLACK (Producer Member), Secretary
ALFRED F. WITTIG (Public Member), Treasurer
DONALD F. CLARK (Public Member)
EDWARD R. HECK (Producer Member)
BURTON E. JONES (Public Member)
NELS PALM (Producer Member)
THOMAS E. SHOLLENBERGER (Producer Member)

STAFF

Robert G. Berlien, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1991

LINN E. MAGOFFIN (Producer Member), Chairman
REGINALD A. STONE (Producer Member), Vice Chairman
GERALD J. BLACK (Producer Member), Secretary
NELS PALM (Producer Member), Treasurer
ROYALL K. BROWN (Public Member)
MARVIN JOE CICHY (Public Member)
EDWARD R. HECK (Producer Member)
C. ROBER KEISER (Public Member)
ANDREW A. KRUEGER (Producer Member)

STAFF

John E. Maulding, Executive Officer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1992

LINN E. MAGOFFIN (Producer Member), Chairman
REGINALD A. STONE (Producer Member), Vice Chairman
GERALD J. BLACK (Producer Member), Secretary
NELS PALM (Producer Member), Treasurer
ROYALL K. BROWN (Public Member)
RICHARD W. CANTWELL (Producer Member)
BURTON E. JONES (Public Member)
C. ROBER KEISER (Public Member)
ANDREW A. KRUEGER (Producer Member)

STAFF

John E. Maulding, Executive Officer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1993

LINN E. MAGOFFIN (Producer Member), Chairman
REGINALD A. STONE (Producer Member), Vice Chairman
GERALD J. BLACK (Producer Member), Secretary
NELS PALM (Producer Member), Treasurer
RICHARD W. CANTWELL (Producer Member)
MARVIN JOE CICHY (Public Member)
FRANK F. FORBES (Public Member)
ANDREW A. KRUEGER (Producer Member)
LEROY E. MOELLER (Public Member)

STAFF

John E. Maulding, Executive Officer
Frederic A. Fudacz, Attorney (Effective February 1993)
Ralph B. Helm, Attorney (Retired January 1993)
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1994

LINN E. MAGOFFIN (Producer Member), Chairman******
REGINALD A. STONE (Producer Member), Vice Chairman
RICHARD W. CANTWELL (Producer Member), Secretary***
STANLEY D. YARBROUGH (Producer Member), Treasurer
GERALD J. BLACK (Producer Member)*
MARVIN JOE CICHY (Public Member)
FRANK F. FORBES (Public Member)
MANNY J. MAGANA (Producer Member)
P. GEOFFREY NUNN (Producer Member)*******
LEROY E. MOELLER (Public Member)
MICHAEL L. WHITEHEAD (Producer Member)**

STAFF

John E. Maulding, Executive Officer****
Carol Williams, Executive Officer*****
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

*	Mr. Black resigned from Watermaster on February 4, 1994
**	Mr. Whitehead was nominated to Watermaster on March 2, 1994
***	Mr. Cantwell was elected as Watermaster Secretary on May 4, 1994
****	Mr. Maulding passed away on March 13, 1994
*****	Ms. Williams was appointed Executive Officer on August 3, 1994
******	Mr. Magoffin resigned from Watermaster on August 3, 1994
*******	Mr. Nunn was nominated to Watermaster on August 8, 1994

FOR CALENDAR YEAR 1995

REGINALD A. STONE (Producer Member), Chairman
RICHARD W. CANTWELL (Producer Member), Vice Chairman
MANNY J. MAGANA (Producer Member), Secretary
MICHAEL L. WHITEHEAD (Producer Member), Treasurer
JUDITH L. ALMOND (Producer Member)
ROBERT W. BOWCOCK (Producer Member)
MARVIN JOE CICHY (Public Member)
FRANK F. FORBES (Public Member)
LEROY E. MOELLER (Public Member)

STAFF

Carol Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1996

REGINALD A. STONE (Producer Member), Chairman
RICHARD W. CANTWELL (Producer Member), Vice Chairman
MANNY J. MAGANA (Producer Member), Secretary
MICHAEL L. WHITEHEAD (Producer Member), Treasurer
JUDITH L. ALMOND (Producer Member)
ROBERT W. BOWCOCK (Producer Member)
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FRANK F. FORBES (Public Member)
LEROY E. MOELLER (Public Member)

STAFF

Carol Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1997

REGINALD A. STONE (Producer Member), Chairman
RICHARD W. CANTWELL (Producer Member), Vice Chairman
MANNY J. MAGANA (Producer Member), Secretary
MICHAEL L. WHITEHEAD (Producer Member), Treasurer
JUDITH L. ALMOND (Producer Member)
ROBERT W. BOWCOCK (Producer Member)
MARVIN JOE CICHY (Public Member)
FRANK F. FORBES (Public Member)
LEROY E. MOELLER (Public Member)

STAFF

Carol Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1998

REGINALD A. STONE (Producer Member), Chairman
RICHARD W. CANTWELL (Producer Member), Vice Chairman
MANNY J. MAGANA (Producer Member), Secretary
MICHAEL L. WHITEHEAD (Producer Member), Treasurer
JUDITH L. ALMOND (Producer Member)
ROBERT W. BOWCOCK (Producer Member)
MARVIN JOE CICHY (Public Member)
FRANK F. FORBES (Public Member)
LEROY E. MOELLER (Public Member)

STAFF

Carol Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1999

REGINALD A. STONE (Producer Member), Chairman
RICHARD W. CANTWELL (Producer Member), Vice Chairman
MANNY J. MAGANA (Producer Member), Secretary
MICHAEL L. WHITEHEAD (Producer Member), Treasurer
ROBERT W. BOWCOCK (Producer Member)
MARVIN JOE CICHY (Public Member)
FRANK F. FORBES (Public Member)
JAMES B. GALLAGHER (Producer Member)
LEROY E. MOELLER (Public Member)

STAFF

Carol Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 2000

REGINALD A. STONE (Producer Member), Chairman
RICHARD W. CANTWELL (Producer Member), Vice Chairman
MANNY J. MAGANA (Producer Member), Secretary
MICHAEL L. WHITEHEAD (Producer Member), Treasurer
ROBERT W. BOWCOCK (Producer Member)
MARVIN JOE CICHY (Public Member)
FRANK F. FORBES (Public Member)
JAMES B. GALLAGHER (Producer Member)
LEROY E. MOELLER (Public Member)

STAFF

Carol Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 2001

REGINALD A. STONE (Producer Member), Chairman
RICHARD W. CANTWELL (Producer Member), Vice Chairman
MANNY J. MAGANA (Producer Member), Secretary
MICHAEL L. WHITEHEAD (Producer Member), Treasurer
ROBERT W. BOWCOCK (Producer Member)
MARVIN JOE CICHY (Public Member)
FRANK F. FORBES (Public Member)
JAMES B. GALLAGHER (Producer Member)
LEROY E. MOELLER (Public Member)

STAFF

Carol Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 2002

REGINALD A. STONE (Producer Member), Chairman
RICHARD W. CANTWELL (Producer Member), Vice Chairman
MANNY J. MAGANA (Producer Member), Secretary
MICHAEL L. WHITEHEAD (Producer Member), Treasurer
ROBERT W. BOWCOCK (Producer Member)
MARVIN JOE CICHY (Public Member)
FRANK F. FORBES (Public Member)
JAMES B. GALLAGHER (Producer Member)
CAROL A. MONTANO (Public Member)

STAFF

Carol Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 2003

REGINALD A. STONE (Producer Member), Chairman
RICHARD W. CANTWELL (Producer Member), Vice Chairman
JAMES B. GALLAGHER (Producer Member), Secretary
ROBERT W. NICHOLSON (Producer Member), Treasurer
ROBERT W. BOWCOCK (Producer Member)
ALFONSO CONTRERAS (Public Member)
FRANK F. FORBES (Public Member)
THOMAS LOVE (Public Member)
CHARLES SHAW (Producer Member)

STAFF

Carol Williams, Executive Officer
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Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 2004

PAUL S. CARVER (Producer Member), Chairman
JAMES B. GALLAGHER (Producer Member), Vice Chairman
ROBERT W. BOWCOCK (Producer Member), Secretary
ROBERT W. NICHOLSON (Producer Member), Treasurer
RICHARD W. CANTWELL (Producer Member)
ALFONSO CONTRERAS (Public Member)
FRANK F. FORBES (Public Member)
THOMAS LOVE (Public Member)
CHARLES E. SHAW (Producer Member)

STAFF

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Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 2005

PAUL S. CARVER (Producer Member), Chairman
JAMES B. GALLAGHER (Producer Member), Vice Chairman
ROBERT W. BOWCOCK (Producer Member), Secretary
ROBERT W. NICHOLSON (Producer Member), Treasurer
RICHARD W. CANTWELL (Producer Member)
ALFONSO CONTRERAS (Public Member)
LEON M.N. GARCIA (Public Member)
THOMAS LOVE (Public Member)
CHARLES E. SHAW (Producer Member)

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Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 2006

PAUL S. CARVER (Producer Member), Chairman
JAMES B. GALLAGHER (Producer Member), Vice Chairman
ROBERT W. BOWCOCK (Producer Member), Secretary
ROBERT W. NICHOLSON (Producer Member), Treasurer
RICHARD W. CANTWELL (Producer Member)
ALFONSO CONTRERAS (Public Member)
LEON M.N. GARCIA (Public Member)
THOMAS LOVE (Public Member)
CHARLES E. SHAW (Producer Member)

STAFF

Carol Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 2009

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PAT MALLOY (Producer Member), Vice Chairman
DAN ARRIGHI (Producer Member), Secretary
CHARLES E. SHAW (Producer Member), Treasurer
ROBERT W. BOWCOCK (Producer Member)
ED CHAVEZ (Public Member)
ALFONSO CONTRERAS (Public Member)
THOMAS LOVE (Public Member)
MICHAEL O. QUINN (Producer Member)

STAFF

Carol Thomas Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 2010

JAMES M. BYERRUM (Producer Member), Chairman
PAT MALLOY (Producer Member), Vice Chairman
DAN ARRIGHI (Producer Member), Secretary
CHARLES E. SHAW (Producer Member), Treasurer
ROBERT W. BOWCOCK (Producer Member)
ED CHAVEZ (Public Member)
ALFONSO CONTRERAS (Public Member)
THOMAS LOVE (Public Member)
MICHAEL O. QUINN (Producer Member)

STAFF

Carol Thomas Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 2011

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PAT MALLOY (Producer Member), Vice Chairman
DAN ARRIGHI (Producer Member), Secretary
CHARLES E. SHAW (Producer Member), Treasurer
CHET ANDERSON (Producer Member)
ED CHAVEZ (Public Member)
THOMAS LOVE (Public Member)
MICHAEL O. QUINN (Producer Member)
CHARLES TREVINO (Public Member)

STAFF

Carol Thomas Williams, Executive Officer
Frederic A. Fudacz, Attorney
Thomas M. Stetson, Engineer*
Stephen B. Johnson, Engineer**

* Thomas M. Stetson passed away 4/14/2011
** Stephen B. Johnson replaced Mr. Stetson

FOR CALENDAR YEAR 2012

JAMES M. BYERRUM (Producer Member), Chairman
PAT MALLOY (Producer Member), Vice Chairman
DAN ARRIGHI (Producer Member), Secretary
DAVID MICHALKO (Producer Member), Treasurer
CHET ANDERSON (Producer Member)
ED CHAVEZ (Public Member)
THOMAS LOVE (Public Member)
MICHAEL O. QUINN (Producer Member)
CHARLES TREVINO (Public Member)

STAFF

Carol Thomas Williams, Executive Officer *
Anthony C. Zampiello, Executive Officer**
Frederic A. Fudacz, Attorney
Stephen B. Johnson, Engineer

* Carol Thomas Williams resigned on 5/12/12
** Anthony C. Zampiello appointed to Executive Officer 9/26/12

FOR CALENDAR YEAR 2013

JAMES M. BYERRUM (Producer Member), Chairman

DAVID MICHALKO (Producer Member), Vice Chairman

DAN ARRIGHI (Producer Member), Secretary

RICHARD RICH (Producer Member), Treasurer

CHET ANDERSON (Producer Member)

ANTHONY R. FELLOW (Public Member)

GARRY HOFER (Producer Member)

THOMAS LOVE (Public Member)

CHARLES TREVINO (Public Member)

STAFF

Anthony C. Zampiello, Executive Officer
Frederic A. Fudacz, Attorney
Stephen B. Johnson, Engineer

APPENDIX I

Main San Gabriel Basin Watermaster

Rules and Regulations

MainSanGabrielBasin
WATERMASTER

Rules and Regulations

Upper San Gabriel Valley Municipal Water District v. City of Alhambra, et. al.
Case No. 924128 – Superior Court of Los Angeles County

As amended December 7, 2005, June 6, 2007, and June 21, 2012
Resolutions 12-05-201, 06-07-213, and 03-13-251

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RULES AND REGULATIONS OF

MAIN SAN GABRIEL BASIN WATERMASTER

(As Revised, Amended, and Readopted by Resolution No. 12-05-201, adopted December 7, 2005, and Resolution No. 6-07-213, adopted June 6, 2007, and Resolution No. 03-13-251, adopted March 6, 2013)

The definitions set forth in the Judgment in Los Angeles County Superior Court Civil Action No. 924128, entitled, "Upper San Gabriel Valley Municipal Water District v. City Alhambra, et al," as amended (Judgment herein), as well as additional definitions relating specifically to Section 28 of these Rules and Regulations, are used herein with the same meanings and are listed in Appendix "A" hereof.

1. Offices and Records. Watermaster's records shall be maintained at its offices, currently located at:

725 North Azusa Avenue
Azusa, California 91702
Telephone (626) 815-1300
Fax (626) 815-1303
Watermaster.org

Said records shall be available for inspection by any party during regular business hours. Copies of said records may be had upon payment of the costs of the duplication thereof and of any preparation costs pertaining thereto.

2. Watermaster Meetings and Holidays. Regular meetings of Watermaster shall be held at 2:30 p.m. on the first Wednesday of each and every month in the conference room of the City of Azusa Light and Water Administration Facility, 729 North Azusa Avenue, Azusa, California 91072, or at such time and place as otherwise determined by Watermaster.

(a) Holidays. The following holidays shall be observed by Watermaster:

- January 1 (New Year's Day);
- The third Monday in January (Martin Luther King's Birthday);
- The third Monday in February (Presidents' Day);
- The last Monday in May (Memorial Day);
- July 4 (Independence Day);
- The first Monday in September (Labor Day);
- The second Monday in October (Columbus Day);
- November 11 (Veterans' Day);
- The fourth Thursday and the following Friday in November (Thanksgiving);
- December 25 (Christmas Day);

(1) If January 1, July 4, November 11, or December 25 falls on a Sunday, the Monday following shall be that holiday and if any of said dates fall on a Saturday, the preceding Friday shall be that holiday.

(2) When any regular meeting of Watermaster shall fall on a hereinabove designated Watermaster holiday, said regular meeting shall be held on the next succeeding regular business day at the same time and at the same place as the said regularly scheduled meeting, unless otherwise determined by Watermaster.

(b) Meeting Changes. Any changes in the time or place of said regular meeting shall be in compliance with the Judgment.

(c) Special Meetings. Special meetings of Watermaster may be called at any time by the Chair or Vice-Chair or by any three (3) members of Watermaster, by written notice in compliance with the Judgment. The calling notice shall specify the time and place of the special meeting and the business to be transacted. No other business shall be considered at such meetings.

(d) Adjournment. Any meeting of Watermaster may be adjourned to a time and place specified in the Order of Adjournment. Less than a quorum of Watermaster, Watermaster's Secretary, or the Executive Officer may so adjourn from time to time. A copy of the Order or Notice of Adjournment shall be conspicuously posted on or near the door of the place where the meeting was held or to be held, within twenty-four (24) hours after the adoption of the Order of Adjournment.

3. Quorum of Watermaster, Necessary Votes for Action and Roll Call of Votes. Five (5) members of Watermaster shall constitute a quorum for the transaction of its affairs. Action by the affirmative vote of five (5) members shall constitute action by the Watermaster, except that the affirmative vote of six (6) members shall be required: (a) to enter into any Cyclic Storage Agreement; or (b) to approve the purchase, spreading or injection of Supplemental Water for Ground Water recharge.

Any member of Watermaster may request a roll call vote on any question or motion considered and the ayes and noes thereon shall be recorded in the minutes of the meeting.

4. Agenda of Watermaster Meetings. Any person requesting that a matter be considered by Watermaster for action thereon shall request the same in writing directed to Watermaster's Executive Officer for inclusion on the Agenda of the next scheduled meeting to be held at least ten (10) days after receipt of said request.

5. Conduct of Meetings – Robert's Rules of Order. For the conduct of Watermaster meetings, Roberts' Rules of Order shall be followed and, without consent of Watermaster, the priorities of Watermaster business shall be that stated in the Agenda for a particular meeting.

6. Organization of Watermaster. At its first meeting each year, Watermaster shall elect a Chair and Vice Chair from its membership. It shall also select a Secretary and a Treasurer and may select such assistants as may be appropriate, any of whom may, but need not be, members of Watermaster.

7. Minutes. Minutes of all Watermaster meetings shall be kept, which shall reflect all actions taken. Draft copies thereof shall be furnished to any party who files a request therefor in writing with Watermaster. Said draft copies of minutes shall constitute notice of any Watermaster action therein reported and failure of a party herein to request copies thereof shall constitute his waiver of notice.

8. Designee to Receive Future Notices. Each party who has not heretofore made such a designation shall, within thirty (30) days after the Judgment shall have been served upon that party, file with the court, with proof of service of a copy thereof upon Watermaster, a written designation of the person to whom and the address at which all future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon that party or delivered to that party are to be so served or delivered.

(a) Service Upon and Delivery to Parties of Various Papers. Service of the Judgment on those parties who have executed the Stipulation for Judgment shall be made by first class mail, postage prepaid, addressed to the designee and at the address designated for that purpose in the executed and filed counterpart of the Stipulation for Judgment, or any substitute designation filed with the Court.

(b) Substitute Designee. A later substitute designation filed and served in the same manner by any party shall be effective from the date of filing as to the then future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon or delivered to that party.

(c) Delivery Method. Delivery to or service upon any party by Watermaster, by any other party, or by the Court, of any item required to be served upon or delivered to a party under or pursuant to the Judgment may be made by deposit thereof (or by copy thereof) in the mail, first class, postage prepaid, addressed to the designee of the party and at the address shown in the latest designation filed by that party. In lieu of mailing any item required to be

served under the Judgment, Watermaster may serve such item by electronic service, which may include posting the document to Watermaster's website, sending an e-mail of the document to that party, or sending notice of availability to that party indicating the document's availability for viewing on the Watermaster website. If a party does not have a valid e-mail address or internet access, that party shall identify an alternative method of service to be approved by Watermaster in its sole discretion. Any further reference to "mail" or "mailing" shall constitute "delivery to" or "service upon", pursuant to this Section 8(c).

(d) Party Removal. Any party desiring to be relieved of receiving notices of Watermaster activity may file a waiver of notice on a form to be provided by Watermaster. Thereafter such party shall be removed from the active party service list and not receive any notices required under the Judgment. The parties have a duty to keep Watermaster informed of their current e-mail and mailing addresses. If mail or e-mail is returned undeliverable to Watermaster for an incorrect address, Watermaster in its sole discretion may remove that party from the active party service list.

(e) List of Designees. Watermaster shall maintain a current list of party designees to receive notices under the Judgment.

9. Election of Producer Representatives.

(a) Notice of Nomination Election. Watermaster shall annually give ten (10) days notice to all parties that an election shall be held at Watermaster's regularly scheduled meeting in November of each year, for the purpose of nominating Producer representatives to Watermaster.

(b) Voting. Nominations of six (6) Producer representatives shall be by cumulative voting in person or by proxy, with each Producer entitled to one (1) vote for each one hundred (100) acre-feet, or portion thereof, owned by him, of Base Annual Diversion Right, Prescriptive Pumping Right or Integrated Production Right, as defined in the Judgment. When the names placed in

nomination exceed the number of representatives to be elected, votes shall be cast by ballot using official ballot forms provided by Watermaster. Each ballot form must list the Producer and designee or proxy holder casting the vote, the Producer's voting entitlement, the names of the nominees for whom the votes have been cast, and the number of votes cast for each nominee.

(c) Conduct of Elections. Prior to the nomination of Producer representatives, the Chair shall appoint tellers to conduct the election. Such tellers may include any member of Watermaster staff to monitor the canvassing and counting of votes. The tellers shall distribute the ballots, and, at the conclusion of the balloting, collect the ballots, retire to tabulate the votes, and promptly report the results of the election to the parties present at the election.

(1) In the event there is a challenge to the declared election results, the Chair shall appoint three (3) Producer parties as election inspectors who shall recount the election ballots and immediately certify the results of such election to Watermaster and others present at the election.

(2) All ballots shall be considered confidential, and no ballot or information thereon shall be disclosed except to the appointed tellers and election inspectors, without the express permission of the Producer casting the ballot.

(d) Appointment. All Watermaster nominations shall be promptly certified to the Court, which will in ordinary course confirm the same by an appropriate order appointing said Watermaster; provided, however, that the Court at all times reserves the right and power to refuse to appoint, or to remove any

member of Watermaster. Notwithstanding Section 27 of the Judgment, Watermaster nominations may be promptly certified by the Court upon ten (10) calendar days' notice thereof, plus the time prescribed by statute for service by mail, e-mail or other electronic means.

10. Vacancy on Watermaster and Replacement. In the event of a vacancy on Watermaster, a successor shall be nominated at a special meeting of Watermaster and Producers to be called by Watermaster within ninety (90) days in the case of a Producer representative or by the action of the appropriate District Board of Directors in the case of a Public Representative. Subject to approval and appointment by the Court, such successor Watermaster shall fill the unexpired term of the Watermaster member replaced.

11. Watermaster Action Subject to Court Review. Any action, decision, rule or procedure of Watermaster shall be subject to review by the Court on its own motion or on timely petition or motion for an Order to Show Cause by any party, as follows:

(a) Effective Date of Watermaster Action. Any order, decision or action of Watermaster shall be deemed to have occurred on the date that written notice thereof is delivered. Delivery of draft copies of Watermaster minutes which contain such order, decision, action, or contemplated action, to the parties requesting the same shall constitute such notice to all parties, as of the date of such delivery.

(b) Notice of Motion. Any party may, by a regularly noticed motion, petition the Court for a review of any Watermaster action or decision. Notice of such motion shall be delivered to Watermaster and to the designees of all parties. Unless ordered by the Court, such petition shall not operate to stay the effect of such Watermaster action.

(c) Time for Motion. Within thirty (30) days of delivery of Notice of Watermaster Determination of Operating Safe Yield together with a statement of each Producer's entitlement thereunder, any affected party may, by a regularly

noticed motion, Petition the Court for an Order to Show Cause for review of said Watermaster findings, determination or entitlement and thereupon the Court shall hear objections thereto and settle such dispute.

Notice of motion to review any other Watermaster action or decision shall be served and filed within ninety (90) days after such Watermaster action or decision.

(d) *De Novo* Nature of Proceedings. Upon filing of such motion for hearing, the Court shall notify the parties of the date for taking evidence and argument, and shall review *de novo* the question at issue on the date designated. The Watermaster decision or action shall have no evidentiary weight in such proceedings.

(e) Decision. The decision of the Court in such proceedings shall be an appealable Supplemental Order in this case. When the same is final, it shall be binding upon the Watermaster and the parties.

12. Water Measuring Devices and Meter Test Program. Parties producing in excess of five (5) acre-feet per year shall, pursuant to these uniform rules, install and maintain in good operating condition, at the cost of each such party, such necessary water measuring devices or meters as may be appropriate. Any such measuring device is subject to such inspection and testing as Watermaster may, from time to time, deem necessary. Upon testing, the meters shall be sealed by Watermaster and remain so sealed. Watermaster will conduct a formal meter-testing program to help the parties accurately report their Production. Watermaster intends to test every meter under its jurisdiction at least once every two (2) years.

(a) Tests of Meters Which Supply Watermaster. At least once every two (2) years, Watermaster shall request certified meter tests of all meters of Responsible Agencies through which Supplemental Water is furnished to Watermaster and of the meters which measure all Cyclic Storage deliveries authorized by Watermaster.

(b) Wells. Water wells shall be equipped with a positive displacement, velocity impeller, venturi, orifice-type or electromagnetic flow meter with a totalizer. The totalizer on positive displacement, velocity impeller, venturi and orifice-type meters shall be correctable only by changing mechanical gear equipment. Producers using electromagnetic flow meters shall ensure that electronic access to meter data is user-defined and password-protected to prevent unauthorized resetting of the totalizer. Additionally, all wells equipped with electromagnetic flow meters shall also have a run-hour meter installed to provide verification of production in the event the totalizer is inappropriately or accidentally reset or its accuracy is otherwise disputed. The meter shall be accessible and installed according to good design practices. Watermaster personnel shall assist any party having any question as to installation requirements.

(c) Calibrated Test Equipment. Watermaster or its approved meter tester will maintain a complete line of carefully calibrated test equipment. This equipment is the standard with which all water meters must be compared. The tolerance for each meter is plus (+) or minus (-) five percent (5%) of the standard. Watermaster may require any Producer with multiple wells and meters to maintain an aggregate accuracy of plus (+) or minus (-) two percent (2%).

(d) Repair or Replacement of Inaccurate Meters. Defective or inaccurate meters must be repaired within thirty (30) days of receipt of notice thereof from Watermaster.

(e) Surface Diversions. Surface Water Diversions shall be measured with a weir and recorder or meter capable of accurately measuring and recording such Diversions.

(f) Interim Meter Tests. Should a Producer discover that the meter which measures the water Production from his well is measuring inaccurately, he shall first notify Watermaster thereof, have the meter retested and, if measuring

inaccurately, then have the same repaired at the earliest practical and reasonable time. Upon the completion of such repair, such Producer shall immediately have such meter tested and sealed by Watermaster and it shall remain so sealed. Such testing and sealing will be accomplished by Watermaster upon request therefor by said Producer or said repaired meter may be tested and sealed by any meter tester authorized by Watermaster, as provided in Subsection (g) of this Section 12. Results of such meter tests shall be furnished to Watermaster within ten (10) days of testing, on forms provided by Watermaster.

(g) Watermaster Approved Meter Testers. Persons, firms or corporations in the business of repairing and/or testing water measuring devices may be approved by Watermaster to test and seal meters on behalf of Watermaster by submitting their qualifications therefor to Watermaster and obtaining Watermaster's approval to perform meter tests and seal such meters as agents of Watermaster. The name, address and telephone number of all such Watermaster approved meter testers shall be maintained at and be available from the office of Watermaster.

(h) Meter Seal by Watermaster and Notification of Meter Maintenance. At the completion of all meter tests Watermaster's seal shall be placed on the meter, if the meter test demonstrates that the meter is within the accuracy standard of five percent (5%).

Such sealing then requires that Watermaster be notified in writing within seven (7) days if Watermaster's seal has been broken or if any of the following events occur: (a) the meter is to be repaired or recalibrated; (b) there is any other interference affecting the meter or Watermaster's seal; (c) the meter is to be relocated even if Watermaster's seal is still intact; or (d) a new meter is to be installed.

(i) Estimation of Production Due to Meter Maintenance. When aProducer must estimate Production due to meter maintenance, he shall consult

with Watermaster or its engineer for approval of the method of estimation. A copy of the estimate calculations shall be supplied to Watermaster with the corresponding Quarterly Production Report.

13. Reports of Producers to Watermaster. Each Producer with an adjudicated right in excess of five (5) acre-feet per year and each Producer with an Overlying Right in any amount shall file with Watermaster a quarterly report of water Produced from the Basin or Relevant Watershed, on forms provided by Watermaster. Producers using electromagnetic flow meters shall report run hours in addition to totalizer readings. Quarterly Production Reports shall be so filed no later than the last day of the month next succeeding the end of the relevant quarter, i.e. April 30, July 31, October 31 and January 31.

Each party shall file with the Watermaster quarterly, on or before the last day of January, April, July and October, a report on a form to be prescribed by Watermaster showing the total Pumping and Diversion (separately for Direct Use and for non-consumptive use, if any) of such party during the preceding calendar quarter.

Minimal Producers who initiated production on or before June 21, 2012, are exempted from the operation of this Physical Solution, so long as such party's annual Production does not exceed five (5) acre-feet. Watermaster may require, and Minimal Producers shall furnish, specific periodic reports. In addition, Watermaster may conduct such investigation of future operations of any Minimal Producer as may be appropriate. As of June 21, 2012, there shall be no new Minimal Producers, and any new Producer shall be subject to all provisions of the Judgment.

(a) Adjudicated Right in Excess of Five (5) Acre-Feet Not to be Reduced to Minimal Producer by Transfer. Any portion of: (1) the Base Annual Diversion Right of a Diverter; (2) the Prescriptive Pumping Right of a Pumper; or (3) the Diversion Component and Prescriptive Pumping Component of an Integrated Producer, adjudicated in any amount in excess of five (5) acre-feet per year [at the time that Judgment herein was entered, January 4, 1973], that is or

may be reduced to five (5) acre-feet or less by assignment or transfer of rights, as permitted by Section 55 of the Judgment, shall not enjoy the status of a Minimal Producer as defined in Section 10 (o) of the Judgment.

(b) Notice to Watermaster of Transfers of Water Rights. Within fifteen (15) days thereof all parties shall notify Watermaster of any transfer, assignment, license or lease of any water right, or portion thereof, not shown in the Judgment or previously filed with Watermaster and such transferee must be or become a party to the action (as provided in Section 57 of the Judgment). All parties are required to notify Watermaster of any subsequent assignment, transfer, license or lease of water rights granted or acquired by them and they shall file a duly acknowledged copy of the document(s) therefor with Watermaster, within fifteen (15) days after execution and acknowledgement of such document(s).

For such assignment, transfer, license or lease of water rights to be effective for, or be deemed by Watermaster to apply to, Production in a particular Fiscal Year (July 1 - June 30), the document(s) therefor shall be executed and acknowledged prior to the end of said Fiscal Year (June 30) and copies thereof showing such acknowledgement must be received by Watermaster prior to July 15, following the end of said particular Fiscal Year. The transferee must be, or petition to become, a party to the action within ninety (90) days following such assignment, transfer, license or lease of water rights.

When the term of a temporary assignment, transfer, license or lease of water rights extends beyond the end of the current Fiscal Year, it shall be the obligation of the transferee thereof to annually, during the month of July of each Fiscal Year during said term, notify Watermaster of said transferee's intention to exercise said water right during the then current applicable Fiscal Year.

(c) Conveyance of Water Right with Conveyance of Property. Parties are advised that when a water right owner conveys the property where a water right was developed, the said water right shall not be conveyed with such property unless and until the appropriate notice procedures established by Watermaster have been complied with. When it is intended to transfer or acquire adjudicated water rights in the Basin or Relevant Watershed, the parties thereto are advised to use the appropriate forms contained in exhibits to these Rules and Regulations and to notify Watermaster of such transfers by furnishing a copy of such transfer documents(s) within fifteen (15) days of execution and acknowledgement thereof.

(d) Conveyance of Water Right without Conveyance of Property. Parties are also advised that the owner of an adjudicated water right herein (except an Overlying Right) may transfer the same (temporarily or permanently) without conveyance of the property where the water right was developed.

(e) Transfer of Overlying Right. The transfer and use of Overlying Rights shall be limited (as provided in Section 21 of the Judgment) as exercisable only on specifically defined Overlying Lands and they cannot be separately conveyed or transferred apart therefrom.

(f) Intervention Stipulation Required. No conveyance of water rights to a person who is not a party to the subject action shall be recognized by Watermaster unless the transferee thereof files with Watermaster a Stipulation in Intervention to the subject action (Exhibit "E") agreeing to be bound by the Judgment herein, and until the Court approves said Stipulation and Intervention.

(g) Notice Required. Any transfer of water rights shall be effective only when the requirements of this Section 13 are met and when the parties file with Watermaster, within fifteen (15) days of such transfer, a copy of the transfer document(s) which:

(1) Identifies both the transferee(s) and the transferor(s);

(2) Accurately recites the total quantity (in acre-feet) of water rights transferred;

(3) Is executed by both the transferee(s) and the transferor(s);

(4) Is acknowledged by both transferee(s) and transferor(s) in a form sufficient for recordation;

(5) Lists the designee(s) of both the transferor(s) and transferee(s) to receive future service and notice of papers and process; and

(6) Is accompanied by a map of the service area where the water was used by transferor(s) (assignors) and a map of the service area where the water is intended to be used by the transferee(s) (assignees), if requested by Watermaster.

(h) Approved Forms of Transfer Documents and Other Forms. Approved forms of such transfer documents and other approved Watermaster forms are attached hereto, marked and identified as follows:

Exhibit "A"	Permanent Transfer of Water Rights – Prescriptive Pumping Rights
Exhibit "B"	Permanent Transfer of Water Rights--Base Annual Diversion Right
Exhibit "C"	Permanent Transfer of Water Rights-- Integrated Production Right
Exhibit "D"	Temporary Assignment or Lease of Water Right
Exhibit "E"	Stipulation Re Intervention After Judgment
Exhibit "F"	Designee to Receive Future Notices for and on Behalf of Defendant(s)

Exhibit "G"	Notice of Transfer of Overlying Rights With Property to Which They are Appurtenant
Exhibit "H"	Application To Drill Water Well
Exhibit "I"	Application To Modify Existing Water Well
Exhibit "J"	Application To Destroy Water Well
Exhibit "K"	Application For Water Treatment Facility

(i) Presumption as to Unexercised Rights. Unless otherwise noted on the above mentioned transfer documents(s), it will be presumed by Watermaster that the permanent transfer of water rights will include all unexercised rights thereunder, including authorized carry-over of unused rights.

14. Operating Safe Yield. Watermaster shall annually determine the Operating Safe Yield applicable to the succeeding Fiscal Year and estimate the same for the next succeeding four (4) Fiscal Years. Said determination shall be made at the close of the hearing thereon, which shall be commenced at Watermaster's regular meeting in May of each year. Watermaster shall notify each Pumper and Integrated Producer of his share thereof, stated in acre-feet per Fiscal Year. Thereafter, no party may produce in any Fiscal Year any Consumptive Use Portion of any Overlying Right, or an amount in excess of the sum of his Diversion Right, if any, plus his Pumper's Share of such Operating Safe Yield, or his Integrated Production Right, or the terms of any Cyclic Storage Agreement, without being subject to Assessment for the purpose of purchasing Replacement Water. The rate of such Assessment shall be established at the same meeting at which the Operating Safe Yield is established, and it may be estimated for the years for which Operating Safe Yield is estimated. In establishing the Operating Safe Yield, the Watermaster shall follow all physical, economic, and other relevant parameters provided in the Judgment herein. Said determination shall be made in accordance with the following:

(a) Preliminary Determination. At Watermaster's regular meeting in April of each year, Watermaster shall make a Preliminary Determination of the

Operating Safe Yield of the Basin for each of the succeeding five (5) Fiscal Years. Said determination shall be made in the form of a report containing a summary statement of the considerations, calculations and factors utilized by Watermaster in arriving at the said Operating Safe Yield.

(b) Notice of Hearing. A copy of said Preliminary Determination Report shall be delivered to all parties at least ten (10) days prior to a hearing thereon to be commenced at Watermaster's regular meeting in May of each year, at which time objections or suggested corrections or modifications of said determination shall be considered.

(c) Watermaster Final Determination and Review Thereof. Within thirty (30) days after completion of said hearing, Watermaster shall deliver to each Pumper, Diverter, Overlying User and Integrated Producer a Final Report and Determination of said Operating Safe Yield for each such Fiscal Year, together with a statement of the Producer's entitlement in each such Fiscal Year stated in acre-feet. Any affected party, within thirty (30) days of delivery of notice of said Watermaster determination, may petition the Court for an Order to Show Cause for Review of said determination in accordance with Section 11 hereof.

15. Carry-over Rights.

(a) Pumping. Any Pumper's Share of Operating Safe Yield, and the Production right of any Integrated Producer which is not Produced in a given year may be carried over and accumulated for one (1) year.

(b) Diversions. Diverters shall be entitled to Divert for direct use up to two hundred percent (200%) of their Base Annual Diversion Right in any Fiscal Year, provided that the aggregate quantities of water Diverted in any consecutive ten (10) Fiscal Year period shall not exceed ten (10) times such Diverter's Base Annual Diversion Right.

(c) Overlying Rights. By definition, there is no carry-over of Overlying Rights.

(d) Presumption as to Carry-over Rights. The first water Produced in the succeeding Fiscal Year shall be deemed Produced pursuant to such Producer's Carry-over Rights.

16. Special Hearings. Watermaster shall conduct such special hearings as deemed appropriate upon thirty (30) days notice to the parties hereto.

17. Policy Decisions. No policy decision shall be made by Watermaster until its next regular meeting after the question involved has been raised for discussion at a Watermaster meeting and noted in the draft of minutes thereof.

18. Assessments. Watermaster shall have the power to levy and collect Assessments from the parties (other than non-consumptive users, or Production under Special Category Rights or Cyclic Storage Agreements) based upon Production during the preceding Fiscal Year. Assessments on Minimal Producers will apply only to (1) existing parties who become Minimal Producers in the future; and (2) Minimal Producers who intervene after June 21, 2012. Said Assessments may be for one or more of the following purposes:

(a) Administration Costs. At its regular May meeting Watermaster shall adopt a proposed budget for the succeeding Fiscal Year and within fifteen (15) days shall deliver a copy thereof to each party, together with a statement of the level of Administration Assessment levied by Watermaster and which will be collected for purposes of raising funds for said budget. Said Assessments shall be uniformly applicable to each acre-foot of Production.

(b) Replacement Water Costs. Replacement Water Assessments shall be collected from each Producer on account of such party's Production in excess of its Diversion Rights, Pumper's Share or Integrated Production Right, and on account of the consumptive use portion of Overlying Rights, computed at the applicable rates established by Watermaster, consistent with Watermaster's Operating Criteria (Exhibit "H" to the Judgment) – and other relevant factors, including the projected cost and availability of Supplemental Water supplies.

Watermaster Replacement Water Assessment rates may be in an amount calculated to allow Watermaster to purchase more than one acre-foot of Supplemental Water for each acre-foot of excess Production to which such Assessment applies, when such purchases are necessary to secure Supplemental Water supplies for the benefit of the Basin and parties. Such assessment shall be in accordance with the "Policy/Criteria for Replacement Water Assessment" as appended hereto.

(c) Make-up Obligation. An Assessment shall be levied and collected equally on account of each acre-foot of Production, which does not bear a Replacement Water Assessment hereunder, to pay all necessary costs of administration and satisfaction of the Make-up Obligation. Such Assessment shall not be applicable to water Production of an Overlying Right.

(d) In-Lieu Water Cost. An Assessment may be levied against all Pumping to pay reimbursement for In-Lieu Water Cost except that such Assessments shall not be applicable to the non-consumptive use portion of Overlying Rights.

(e) Water Resource Development Costs. Watermaster may levy an Assessment on all Pumping to support the purchase, financing, and/or development of new or additional Supplemental Water sources, in cooperation with one or more Responsible Agencies as appropriate. Such assessment shall be in accordance with the "Policy/Criteria for Water Resource Development Assessment" as appended hereto.

(f) Waivers Possible for Water Quality Improvement or Protection. In accordance with Section 45 (e) of the Judgment, a Producer of water from the Basin for the purpose of testing, protecting, or improving water quality, may apply in writing by verified petition or application (hereinafter "Application") to Watermaster, for approval of such water Production free of all or any part of Watermaster Assessments thereon, and for waiver of one or more of the

provisions of Sections 25, 26, and 57 of said Judgment, where appropriate, upon terms and conditions to be established by Watermaster after a noticed hearing on such Application.

A waiver of Assessment shall not be granted for the purpose of removal of contamination or improvement of the quality of Basin water which has, or could have, resulted from the activity of the Applicant for such waiver.

In the event cleanup or Treatment Facilities are installed in the Basin by or for the benefit of a Producer, and the Basin water receiving treatment from said Treatment Facilities is subsequently delivered by or used for beneficial purposes of such Producer, the Production of such water shall not be entitled to waiver or modification of Watermaster Assessments thereon.

Notwithstanding the above, if Basin water is treated and immediately percolated or reintroduced to the Basin by way of spreading, injection, or otherwise, for purposes of this Section 18 (f), its Production may, upon Watermaster's approval of an Application to waive or modify its Assessments on the same, be entitled thereto. In any event, such water shall only be percolated or reintroduced to the Basin with the consent of Watermaster and said water shall be of a quality acceptable to Watermaster.

Although all Production from the Basin must be reported to Watermaster on a timely basis in accordance with these Rules and Regulations, Production which is granted a waiver of Assessment hereunder may, by reason of certain circumstances as specifically determined by Watermaster, be deemed an unused right and entitled to carry-over, in accordance with Section 49 of the Judgment.

(g) Application for Waiver of Assessment. An Application for Waiver of Assessment, as above set forth, shall contain all relevant information relied upon by Applicant which he believes justifies the granting of said Application. All such Applications shall explain the special needs and circumstances for such

Production and specify the approximate amounts to be Produced, the time frame of such Production, the specific location(s) of the points(s) of extraction(s), and the place of intended disposal of such water, as well as any supplemental or additional information requested by Watermaster. All such extractions shall be metered and reported quarterly to Watermaster, along with all other Basin Production, in accordance with these Rules and Regulations.

Should an Application contain incomplete information or should Watermaster desire additional, other, or further information in relation thereto, the same shall also be furnished and verified by Applicant.

(h) Hearing and Effective Date. Within thirty (30) days of the filing of any such Watermaster accepted Application, Watermaster shall give at least thirty (30) days notice to the designees of all parties that it will hold a hearing on said Application. Watermaster may, after the conclusion of said hearing, under then existing conditions, waive all or any part of its Assessments on such Production, such waiver shall not be effective prior to the date of the filing of said accepted Application, and may also waive the provisions of Sections 25, 26, and 57 of the Judgment herein.

The effective date for the granting of an Application to waive or modify Watermaster Assessments shall be no later than ten (10) days after approval thereof by Watermaster and it shall continue for the period of time specified therein, unless sooner terminated or extended by Watermaster. Nothing herein is intended to allow an increase in any Producer's annual entitlement under the Judgment.

(i) Borrowing. Upon approval by the Watermaster at its regularly scheduled public meeting, when necessary to secure Supplemental Water, Watermaster may borrow funds in excess of the annual amount of Assessments levied but uncollected. Prior to borrowing funds, Watermaster shall meet and confer with Responsible Agencies and

seek their input. Borrowing shall be in accordance with the "Policy/Criteria for Borrowing" as appended hereto.

19. Levy and Notice of Assessments. Within thirty (30) days of Watermaster's annual determination of Operating Safe Yield of the Basin for each Fiscal Year and succeeding four (4) Fiscal Years, and at such other time [s] of the year as determined by Watermaster, Watermaster shall levy applicable Administration Assessments, Replacement Water Assessments, Make-Up Water Assessments, In-Lieu Water Assessments, and Water Resource Development Assessments, if any. Watermaster shall give written notice of all applicable Assessments to each party on or before August 15, of each year, and at such other time [s] as determined by Watermaster. To provide flexibility and maximize the opportunity to secure Replacement Water supplies when available, Watermaster may levy supplemental assessments as necessary to create sufficient funds to purchase and pre-purchase such Replacement Water supplies for the benefit of the Basin and parties.

(a) Payment. All Watermaster Assessments shall be due and payable on or before September 20, or at such other times as determined by Watermaster, following such Assessment levy or Assessment rate fixing, subject to the rights reserved in Section 37 of the Judgment, and such Assessment shall be paid or become delinquent after September 20.

(b) Delinquency. Any Assessment payment which becomes delinquent shall bear interest at the annual prime interest rate in effect on the first business day of August of each year, plus one percent (1 %). Said prime interest rates shall be that fixed by the Bank of America NT&SA for its preferred borrowing on said date. Said prime interest rate plus one percent (1%) shall be applicable to any said delinquent Assessment payment from the due date thereof until paid, provided, however, in no event shall any said delinquent Assessment bear interest at a rate of less than ten percent (10%) per annum. Such delinquent Assessment and said interest thereon may be collected in a Show Cause

proceeding in the subject action or in any other legal proceeding instituted by Watermaster, and in such proceeding the Court may allow Watermaster its reasonable costs of collection, including attorney's fees.

(c) Adjustments. By reason of Watermaster's inability to control the direct costs and other charges incurred for Supplemental Water obtained from Responsible Agencies, it may be necessary from time to time for Watermaster to adjust the foregoing Assessments. Such Assessments may only be adjusted after giving at least 15 days Notice to all Parties of the meeting at which such adjustments will be considered by Watermaster.

20. Responsibility for Watermaster Assessments. Parties Producing water from the Relevant Watershed shall be responsible for Watermaster Assessments levied upon all Production.

21. Over and/or Under Reporting.

(a) Over Reporting. Watermaster shall make refunds, in whole or in part, of Assessments theretofore paid, to any Producer who has erroneously overstated his Production in any sworn statement for a quarterly period required hereunder and who has overpaid any Assessment for that quarter, but only upon compliance by the Producer with the procedure hereinafter set forth and within the time hereinafter provided.

Any such Producer, within one (1) year of the last day for filing of the said sworn statement for the quarterly period in question, may file a verified application with Watermaster requesting a refund of that portion of any Assessment claimed to have been paid by reason of that Producer's erroneous overstatement of Production. If incomplete information is contained in said application, or if Watermaster desires other, further, or additional information than that set forth in said application, the same shall also be furnished by a verified statement mailed to Watermaster on behalf of Applicant within thirty (30) days of the mailing of the written notice or request therefor from Watermaster to the

Producer's designee, at his address as shown by Watermaster records, or the application shall be deemed abandoned. Such request by Watermaster shall not cause any application otherwise timely filed to be considered as not filed within said one (1) year period. The Watermaster may pay any refund claimed without a hearing thereon, but no application shall be denied, in whole or in part, without a hearing being accorded to the Applicant, in which said hearing the Applicant shall have the burden of proof. Any determination by Watermaster on any matter in connection with said application shall be final and conclusive upon the said Producer.

Any refund authorized to be paid under the provisions of this Section may be paid only out of moneys realized from the appropriate Watermaster Assessment levied or thereafter raised. Under election of the Producer, any refund determined by Watermaster to be owing may be credited to the Producer against any subsequent Assessments which might become due and owing from him to Watermaster. No refunds shall be made except as authorized by this section and this section may not apply to over reporting unless there has been compliance with the provisions of Section 12 hereof.

(b) Under Reporting. If Watermaster shall have probable cause to believe that the Production of water from any water Producing facility is in excess of that disclosed by the sworn statements covering such water Producing facility, Watermaster may cause an investigation and report to be made concerning the same. Watermaster may fix the amount of water Production from such facility at an amount not to exceed the maximum Production capacity thereof, provided, however, where a Watermaster tested water measuring device is permanently attached to such facility, the record of Production as so disclosed by such measuring device shall be presumed to be accurate and the burden of proof shall be upon Watermaster to establish the contrary.

A determination by Watermaster that a Producer has under reported Production shall require Watermaster to give written notice thereof to such Producer by mailing such notice to his designee, at the address shown by Watermaster records. A determination of under reporting made by Watermaster shall be conclusive on any Producer who has Produced water from the facility in question and the Watermaster Assessments based thereon, together with interest as set forth in Section 19 (b) hereof, shall be payable forthwith, unless such Producer shall file with Watermaster within ten (10) days after the mailing of such notice, a written protest setting forth the ground or grounds for protesting the amount of Production so fixed or the Assessments and interest thereon.

Upon the filing of such protest, Watermaster shall hold a hearing at which time the total amount of water Production and the Assessments and interest thereon shall be determined, which action shall be conclusive if based upon substantial evidence. A notice of such hearing shall be mailed to protestant at least ten (10) days before the date fixed for the hearing. Notice of the determination by the Watermaster at the close of such hearing shall be mailed to the protestant. The Producer shall have twenty (20) days from the date of mailing of such notice to pay the Assessments fixed by Watermaster and interest thereon, as fixed herein, before the same becomes delinquent.

(c) Delinquent Assessments; Interest; Costs; and Attorney's Fees. Watermaster may bring suit in the Court having jurisdiction against any Producer of water from the Basin or Relevant Watershed for the collection of any delinquent Assessment and interest thereon. The Court having jurisdiction of the suit may, in addition to any delinquent Assessment, award interest and reasonable costs, including attorney's fees.

22. Information Concerning Offers to Purchase, Sell or Lease Water Rights. Watermaster shall maintain a record of any offer to purchase, sell or lease water rights reported to Watermaster, for the purpose of encouraging the orderly transfer of such

rights by acting as a clearing house for such information. Any person desiring to purchase, sell, or lease such rights may examine such Watermaster records.

23. Watermaster Control of Spreading and Ground Water Storage. Except for the exercise of non-consumptive uses, no party shall spread water within the Basin or Relevant Watershed for subsequent recovery or Watermaster credit without prior Watermaster written permission to do so because Watermaster has sole custody and control of all Ground Water storage rights in the Basin.

(a) Replacement Water and Cyclic Storage Deliveries. Deliveries of water for replenishment or cyclic storage shall be made either pursuant to Watermaster's duly authorized order for Replacement Water or in accordance with terms and conditions of a valid Cyclic Storage Agreement with Watermaster. All such water deliveries shall be subject to the conditions and priorities set forth in Section 26 herein.

(b) Storage of Water for Export. As provided in Section 34(r) of the Judgment, any party may enter into an agreement with Watermaster to store Supplemental Water and export said stored Supplemental Water under specific terms and conditions approved by Watermaster. Such storage and export shall be subject to (1) a determination by Watermaster that no material injury to the Basin or parties will result therefrom; (2) execution of an agreement with Watermaster setting forth the terms and conditions upon which water may be stored in or exported from the Basin; and (3) compliance with Watermaster Rules and Regulations respecting Basin storage and export. In accordance with Section 45(b)(6) of the Judgment; Watermaster shall levy an assessment to account for costs, burdens or losses incurred in connection with such exported or stored water, including a fee for storage administration. Such storage or export shall be subject to the "Policy/Criteria for Agreement for Storage and Export of Supplemental Water" as appended hereto.

(c) Supplemental Water Quality. In an effort to prevent degradation of Basin groundwater quality, and in accordance with Section 40 of the Judgment, Watermaster may establish criteria for the quality of Supplemental Water delivered for Basin replenishment or Cyclic Storage. Such criteria shall consider applicable Basin Plan objectives as set forth by the California Regional Water Quality Control Board - Los Angeles Region, but shall also balance the need to maintain adequate water supplies with the need to preserve Basin water quality.

Watermaster may review and update its Criteria for Supplemental Water Quality as needed to address changes in regulations or hydrologic conditions. Watermaster shall provide the Responsible Agencies with at least 30 days notice of its intent to adopt or modify such criteria, along with the proposed draft or changes, and shall consider comments from those agencies prior to adoption. Watermaster shall also provide the Responsible Agencies with the final, adopted Criteria for Supplemental Water Quality.

24. Watermaster Annual Report. Watermaster shall annually file with the Court and deliver to the parties a report of all Watermaster activities during the preceding Fiscal Year, including an audited statement of all accounts and financial activities of Watermaster, summaries of Diversions and Pumping, and all other pertinent information. To the extent practical, said report shall be delivered to all parties and filed with the Court on or before November 1 of each Year.

25. Watermaster Stipulation Re Intervention After Judgment. Attached hereto and marked "Exhibit E" is a form of Stipulation for Intervention After Judgment which Watermaster will execute, file with the Court if accompanied by the necessary filing fee, obtain a Court hearing date thereon, give Notice thereof and attempt to obtain an approving Court Order thereon.

26. Uniform Rules and Conditions of Cyclic Storage Agreements.

(a) Application for Cyclic Storage Agreements. Any person or entity, private or public, desiring to spread and store Supplemental Water within the

Basin for subsequent recovery and use or for Watermaster credit shall make application to Watermaster for a Cyclic Storage Agreement pursuant to these Uniform Rules and Conditions. Watermaster shall have first call on Supplemental Water for Replacement Water, Make-up Water and for the "Alhambra Exchange" before such water is made available for Cyclic Storage Agreements.

(b) Purpose of Cyclic Storage Agreements. All Cyclic Storage Agreements shall be for the utilization of Ground Water storage capacity of the Basin and for cyclic or regulatory storage of Supplemental Water.

(c) Available Storage Capacity. In considering the available Ground Water storage capacity of the Basin for such Agreements, Watermaster shall take into account the operation of the Basin under the Physical Solution provisions of the Judgment.

(d) Provisions of Cyclic Storage Agreements. Any such Agreement shall include provisions for:

(1) Watermaster control of all spreading (or injection) and extraction scheduling and procedures for such stored waters:

a) The time, place, and amount of said spreading shall be approved in advance by Watermaster.

(2) Calculations by Watermaster of any special costs, damages or burdens resulting from such operation;

(3) Priorities for Cyclic Storage Agreements in the following order:

a) Responsible Agencies on the basis of their relative requirements for Replacement Water within their respective corporate boundaries,

b) Other parties on the basis of priority of application to Watermaster for such Agreements, and

c) Non-parties;

(4) Determinations by Watermaster of, and accounting for, all losses in stored water, assuming that such stored water floats on top of the Ground Water supplies, and accounting for all losses of water which otherwise would have replenished the Basin. Such losses of stored water shall be assigned by Watermaster as follows:

a) First losses by non-parties in the reverse priority of the earliest original dates of their respective Cyclic Storage Agreements, to the whole of such non-parties' stored water,

b) The next losses by parties who are not Responsible Agencies in reverse priority of the earliest original dates of their respective Cyclic Storage Agreements, to the whole of their stored water, and

c) The last losses by Responsible Agencies to be shared on the basis of water actually in storage in the Basin at the time of the loss of such stored water;

(5) The priorities for spreading of Supplemental Water are hereby established as follows, in the order of their priority:

First: Supplemental Water ordered by Watermaster from Responsible Agencies for direct delivery to the Basin as Replacement Water,

Second: Supplemental Water for delivery to the Basin for storage under Cyclic Storage Agreements between Watermaster and Responsible Agencies whereby such Supplemental Water will not be exported from the Basin. In the event that more than one Responsible

Agency wishes to deliver water to Cyclic Storage simultaneously and there is inadequate spreading capacity available, deliveries by each Responsible Agency so desiring to deliver Supplemental Water shall be scheduled so that the total quantity of water in Cyclic Storage of those Agencies can be increased proportionately in percent of their maximum allowed Cyclic Storage,

Third: Supplemental Water for delivery to Individual Cyclic Storage accounts of parties to the Judgment whereby such Supplemental Water will not be exported from the Basin. In the event that more than one party wishes to deliver water to such Cyclic Storage accounts simultaneously and there is inadequate spreading capacity available, deliveries for each such party shall be scheduled so that the total quantity of water in such parties' Individual Cyclic Storage accounts can be increased proportionately in percent of their maximum allowed Cyclic Storage, and

Fourth: Supplemental Water for delivery to the Basin for storage under Cyclic Storage Agreements between

Watermaster and Responsible Agencies, whereby Supplemental Water may be exported from the Basin.

Fifth: Supplemental Water for delivery to Individual Cyclic Storage Accounts of parties to the Judgment whereby such Supplemental Water may be exported from the Basin.

Sixth: Non-parties as established by Watermaster at the time; and

(6) Payment to Watermaster for the benefit of parties in said action of all special costs, damages or burdens incurred (without any charge, rent, assessment or expense as to parties to said action by reason of the adjudicated proprietary character of said storage rights, nor credit for offset for benefits resulting from such storage); provided, no party shall have any direct interest in or control over such contracts or the operation thereof by reason of the adjudicated right of such party. Watermaster has sole custody and control of all Ground Water storage rights in the Basin pursuant to the Physical Solution in the Judgment and all said Agreements are subject to review and approval of the Court.

(e) Terms of Cyclic Storage Agreements and Extensions. The term of such Agreements shall not exceed five (5) years but may be extended for additional terms, not to exceed five (5) years each, provided Watermaster shall report its intention to consider an extension of any such Agreement in minutes of its meeting held prior to its meeting when any such extension request shall be acted upon.

(f) Maximum Storage. Such Agreements shall fix the maximum amount of Supplemental Water to be stored in the Basin at any point in time by a particular storing entity.

(g) Watermaster to be Held Harmless. The storing entity of such Agreement shall save and hold harmless Watermaster, its officers, agents and employees from any and all costs, damages or liability resulting from said Agreement and shall provide Watermaster with the defense or costs of the defense of any action brought against Watermaster, its officers, agents or employees arising or alleged to arise by reason of such Agreement for storage of Supplemental Water in the Basin.

(h) Reports of Stored Water. The storing entity, if not a Producer, shall quarterly report to Watermaster the amount of Supplemental Water which it spreads and withdraws each quarter under such Agreement. Such reports shall be due on the last day of the month next succeeding the end of the relevant quarter, i.e. April 30, July 31, October 31, and January 31. Such reports shall be cumulative and shall indicate the credit balance of the relevant quarter. If the storing entity is a Producer storing water pursuant to an Individual Producer Cyclic Storage Account whereby Watermaster has purchased the stored water on the Producer's behalf and credited the Producer's account, then Watermaster shall provide the Producer with a quarterly accounting of storage credit in the regular quarterly production report form. The Producer shall be responsible for verifying the credit and notifying Watermaster of any dispute or discrepancy.

(i) Court Approval of Cyclic Storage Agreements. Upon its approval of a Cyclic Storage Agreement, Watermaster shall Petition the Court for approval thereof and said Agreement shall become effective only upon such Court approval.

27. Responsible Agency from Whom Watermaster Shall Purchase Replacement Water.

(a) Responsible Agencies. There are three Responsible Agencies within or partially within the Basin. Two of such Agencies, Upper San Gabriel Valley Municipal Water District (Upper District) and Three Valleys Municipal Water District (Three Valleys District) are member agencies of The Metropolitan Water District of Southern California (Metropolitan) and supply Watermaster with Replacement Water purchased from Metropolitan. The third Responsible Agency is San Gabriel Valley Municipal Water District (San Gabriel District) which has contracted with the State of California and has constructed facilities to deliver water from the State Water Project and, thus, can directly supply Watermaster with Replacement Water.

(1) Availability of Supplemental Water from Responsible Agencies. If any Responsible Agency shall, for any reason, be unable to deliver Supplemental Water to Watermaster in a timely fashion when needed, Watermaster may (1) collect funds at an appropriate level and hold them in trust, together with interest accrued thereon, for purchase of such water when available; (2) purchase water from the remaining Responsible Agencies which are the most beneficial and appropriate sources observing all legal and contractual constraints on the availability of such water; or (3) purchase Supplemental Water from any other available source. Watermaster shall consult with the Responsible Agencies involved and in good faith shall determine the appropriate source of Supplemental Water under such circumstances. Should Watermaster arrange to purchase Supplemental Water from a source not involving a Responsible Agency, Watermaster shall provide the Responsible Agencies an opportunity to provide said Supplemental Water or comparable water supplies on comparable terms.

(b) Water Used Within the Basin. For water used within the Basin, the Responsible Agency within whose boundaries is located the place of use of water Produced from the Basin will determine the Responsible Agency from whom Watermaster shall purchase Replacement Water.

(c) Water Exported from the Basin. Except for water Produced from the Basin and used within the City of Sierra Madre (for which San Gabriel District shall be the Responsible Agency), the place of such Production of water exported from the Basin shall determine the Responsible Agency from whom Watermaster shall purchase Replacement Water.

(d) Computations of the Amount of Replacement Water to be Purchased from Responsible Agencies. In computing the amount of Replacement Water to be provided by a Responsible Agency, Watermaster shall:

(1) Determine the Replacement Water requirement of each party to the Judgment and apportion such Replacement Water requirement as required in (b) and (c) above;

(2) Calculate the total Replacement Water requirement for each Responsible Agency as determined in (1) above;

(3) Tabulate Interagency Transfers of water rights as described in (e) (1) below;

(4) Calculate the Net Interagency Transfer adjustment as described in (e) (2) below;

(5) Determine the adjusted Replacement Water requirements, calculated for each Responsible Agency as required in (e) below; and

(6) Determine the effect of deferred Replacement Water requirements as calculated in (h) below.

(e) Net Interagency Transfer Adjustment and Replacement Water Requirement. Replacement Water requirements as heretofore calculated shall be modified by a "Net Interagency Transfer Adjustment." "Interagency Transfer"

shall mean the aggregate amount of Production Right resulting from the temporary transfer of all or a portion of a Pumper's Share of Operating Safe Yield, or a Base Annual Diversion Right, or the Diversion Component or Pumping Component of an Integrated Production Right for use within the boundaries of a Responsible Agency other than the Responsible Agency within which such water rights were developed and adjudicated.

The annual Replacement Water requirement resulting from Net Interagency Transfers for each Responsible Agency shall be calculated as follows:

(1) Net Interagency Transfers shall be calculated for each Responsible Agency as the difference between such rights transferred for use outside or partially outside that Responsible Agency and such rights transferred for use within or partially within that Responsible Agency.

(2) Tabulate the total Interagency Transfers of water rights, calculated for each of the Responsible Agencies in (1) above. The sum of said total Interagency Transfers for each of the three Responsible Agencies is that Responsible Agency's Net Interagency Transfer Adjustment. The total of such adjustments for all Responsible Agencies shall equal zero. The Responsible Agency(s) having a positive amount shall have this Net Interagency Transfer Adjustment added to the Replacement Water requirement computed for it in (d) (2) above. The Responsible Agency(s) having a negative amount shall have this Net Interagency Transfer Adjustment subtracted from the Replacement Water requirement calculated for it in (d) (2) above.

(f) Special Provisions.

(1) The Replacement Water requirement calculated for each of the Responsible Agencies in (e) (2) above cannot exceed the total quantity

of Replacement Water obligation calculated for all Responsible Agencies, and/or;

(2) If the Replacement Water requirement calculated in (e) (2) above results in a negative value, that negative value shall be adjusted to zero, as described in (h) below.

(g) Special Provisions Re Alhambra Exchange. An adjustment shall be made to San Gabriel District's calculated Replacement Water requirement, if necessary, to allow Upper District to deliver an amount of Replacement Water to the City of Alhambra equal to the quantity delivered through connection USG-5 for the previous year, the year in which the Replacement Water requirement was incurred.

(h) Adjustments to Calculated Replacement Water Requirements. Adjustments to Replacement Water requirements resulting from the calculations in (f) (2) or (g) above shall be apportioned as follows:

(1) As between Upper District and Three Valleys District, the district with a negative value shall have added to it an amount sufficient to equal zero, that amount shall be subtracted from the Replacement Water requirement of the other Responsible Agency, but it shall not be reduced to less than zero. If a negative balance still exists, then it shall be subtracted from San Gabriel District.

(2) If San Gabriel District's Replacement Water requirement is less than zero, it shall be adjusted to zero by deducting equal amounts of San Gabriel District's adjustment from both Upper District and Three Valleys District.

(3) All adjustments shall be accumulated in a Deferred Replacement Water Requirement Account for each of the Responsible Agencies. In future years when deliveries of Replacement Water may be made by a Responsible Agency, up to the amount, or any portion of the

amount, in the Deferred Replacement Water Requirement Account, such deliveries will be equally subtracted from the Replacement Water requirement of the Responsible Agency(s) from which it was derived in (1) and/or (2) above for that year so long as such deliveries shall not cause total deliveries of all Responsible Agencies to exceed the amounts provided for in paragraph (f) (1) and/or paragraph (f) (2) above. At the time that deliveries are made by a Responsible Agency from its Deferred Replacement Water Requirement Account, Watermaster shall pay to that Responsible Agency its price prevailing at that time for Replacement Water.

(i) Advanced Delivery Account. Whenever the total quantity calculated in (e) (1) above, is less than that delivered to the City of Alhambra through USG-5 for the previous year, an accounting of the difference shall be maintained in an "Advanced Delivery Account" and such difference, or as much as possible thereof, shall be subtracted from the Replacement Water Requirement of Upper District in the next year when an obligation to deliver Replacement Water exists for Upper District.

28. Ground Water Quality Management. The Watermaster, Upper District, San Gabriel District, and San Gabriel Valley Water Association, through a Joint Resolution dated February-March 1989, affirmed their commitment to participate in a coordinated federal, state and local response to contamination of Ground Water supplies of the Basin for both the purpose of preventing additional contamination and the purpose of cleaning up and limiting the spread of existing contamination. The entities adopting that Joint Resolution designated and accepted Watermaster as the entity to coordinate local involvement in the efforts to preserve and restore the quality of Ground Water within the Basin. Watermaster sought and received additional powers from the Court to regulate extractions of water from the Basin for water quality control purposes, and this Section 28 is to implement the same. These efforts shall be that any

New or Increased Extraction to meet water needs from the Basin shall include planned treatment in existing areas of High Level Degradation or Contamination. An important part of exercising these additional powers and coordinating federal, state and local responses to contamination of the Basin's water supplies is the collection and compilation of essential data from Producers and the expeditious distribution of such data to the proper state and federal regulatory agencies involved in water quality matters in the Basin

(a) Watermaster Approvals. Each Producer shall, after the effective date of this amendment to these Rules and Regulations (June 28, 1991), apply to Watermaster, on forms provided by Watermaster, for a permit to do any of the following:

- Construct any well;
- Deepen any existing well;
- Modify the perforations of the casing of any existing well;
- Notwithstanding natural fluctuations in Basin water levels, physically increase or decrease the Effective Extraction Capacity of any existing well, including that which may occur due to installation or modification of pipelines, booster pumps or other distribution system components, as of said effective date of these Rules and Regulations;
- Abandon any existing well; or
- Construct, relocate or abandon Ground Water Treatment Facilities.

Such application will be acted upon by Watermaster no later than at its first regular meeting following sixty (60) days after receipt of the complete application. If an emergency exists, Watermaster shall expedite its actions to the maximum extent practicable.

(b) Watermaster Directed Change in Water Production.

(1) Based on available data, Watermaster's Five-Year Plan, and/or Ground Water modeling, Watermaster will, for water quality protection

purposes, direct any Producer to increase, decrease or cease Production from existing wells, initiate new well Production or deliver water to or accept water from another water system or direct a Producer to obtain water from another source in-lieu of Pumping from its own wells, or take other appropriate actions in compliance with an approved Watermaster plan by giving such Producer advanced written notice thereof, specifying a time certain for compliance.

(2) The increase in cost to a Producer resulting from a Watermaster directed change in water Production shall not be borne by the Producer, but will be reimbursed to the Producer by Watermaster through In-Lieu Water Assessments levied by Watermaster, unless such funding is made available from other sources such as federal, state or local governmental entities or by those found to be responsible for the contamination in the Basin which caused Watermaster to direct the change in Production by the Producer.

(c) Producer Data, Initial Submittal. After June 28, 1991, Producers shall submit, within sixty (60) days of Watermaster's request, initial data in a form acceptable to Watermaster, to update and ensure the accuracy of the existing Basin database. The data shall include:

(1) Identification and location of all Active, Inactive or Abandoned Wells;

(2) Water quality data concerning organic compounds, nitrates and any other water quality parameters as specified by Watermaster, including all data from other sampling Producers may conduct in addition to governmental requirements;

(3) Available construction details of each well owned or operated by Producer, as well as all logs (driller's, electric, etc.);

(4) Depths or zones from which water is extracted from each well, if available; and

(5) A current map of the main water transmission system of Producer's distribution system showing the location and sizes of transmission mains and storage reservoirs, all interconnections with other systems and their sizes and capacities, and any other data pertinent to the transmission (but not distribution to customers) of water through the Producer's system.

(d) Quarterly Reports. After the initial submittal of data per subparagraph (c) above, the following data shall be submitted by all Producers to Watermaster quarterly, on or before the last day of January, April, July and October:

(1) Chemical water quality data collected during the quarter and provided to any state, federal or local public agency;

(2) Data described under Section 28 (c) (3), (4) and (5) hereof which supplement, amend or change the data previously submitted by a Producer; and

(3) All data from other sampling which Producers may conduct in addition to governmental requirements.

(e) Operating Principles. Any New or Increased Extraction by a Producer in the Basin to meet water supply needs shall have prior Watermaster approval, shall not contribute to contaminant migration, and shall include planned treatment in existing areas of High-level Degradation and Contamination. In giving such approval, Watermaster shall consider the cumulative effects of multiple actions by all Producers in the area of concern by using available information, the Five-Year Plan, and Ground Water modeling. If Watermaster determines that a proposed new well is a Replacement Well and is not a New or Increased Extraction, the requirement for Planned Treatment in existing areas of High-level Degradation and Contamination may be waived.

(f) Emergency Exemptions. Where a Producer's water supply or water quality problem is so urgent that the viable option for maintaining an adequate short-term supply that meets drinking water standards involves an action in conflict with the operating principles outlined in Section 28 (e) hereof, Watermaster may approve a short-term action contingent upon the Applicant Producer concurrently submitting an acceptable long-term action plan with acceptable deadlines for implementation. In general, the long-term action plan must be approved prior to or concurrently with the short-term action.

(g) Water Quality and Supply Plans. To assure that Pumping does not lead to further degradation of water quality in the Basin, a Five-Year Water Quality and Supply Plan must be prepared and updated annually by Watermaster, projecting water supply requirements and water quality conditions for each period of five (5) calendar years beginning November 1, 1991, and each November 1 thereafter. This Plan will also include a water quality monitoring element to obtain supplemental information as needed to assist in projecting contamination levels. Watermaster will supply the Producers with projections of contaminant migration by June 1 of each year for the preparation of these Water Quality and Supply Plans.

Each purveyor of potable water produced from the Basin shall submit the following information to Watermaster by July 31 of each year:

(1) Projected quarterly water supply requirements for each of the following five calendar years and the proposed pumping rates, in gallons per minute, for each well;

(2) Identification of each Production well known to contain contaminants and the contaminant levels;

(3) Proposed methods for meeting the water supply requirements of the system if contaminant levels are, or are projected by Watermaster to become, greater than drinking water standards; and

(4) Any intended treatment facility.

Watermaster shall analyze the information submitted by Producers and develop an overall draft Basin Water Quality and Supply Plan. A draft Plan will be submitted by Watermaster to the Los Angeles Regional Water Quality Control Board, and for public review and comment per Section 28 (i) hereof, by November 1. Appropriate modifications resulting from comments received will be reflected in the final draft, and a staff report providing an explanation of decisions will be made available.

(h) Ground Water Treatment Facilities.

(1) Producers in the Basin shall notify Watermaster in advance at the initial stages of planning of their intent to construct any Facility to remove volatile organic compounds (VOCs), nitrates, or other contaminants from water Produced from the Basin. Such notice shall include the following information:

- the intended location and a description of the Treatment Facility;
- the water production capacity;
- the rate of contaminant removal capacity;
- the expected concentration of all identified contaminants in the water to be treated;
- the expected concentration of all identified contaminants in the water after treatment;
- the intended disposition of all water to be treated;
- the expected initiation date and period of time over which the Treatment Facility will operate; and
- the expected capital and operating costs of the Treatment Facility.

(2) In addition, the Producer shall describe all necessary permits and/or all permits for which it has applied or has received from all

regulatory agencies with regard to such Treatment Facility and shall supply to Watermaster copies of all environmental documents required under the California Environmental Quality Act and/or the National Environmental Protection Act. No construction of such Treatment Facilities shall be initiated without the prior written approval of Watermaster. Watermaster shall promptly examine each submittal for compatibility with available information, the Five-Year Plan and the operating principles, and notify the Applicant of its findings and decision regarding such proposed Treatment Facility no later than at its first regular meeting following sixty (60) days after receipt of a complete submittal by the Producer. Watermaster will also report its determination to the Los Angeles Regional Water Quality Control Board.

(3) All operators of Treatment Facilities shall report quarterly to Watermaster at least the following information:

- name or other designation of the Treatment Facility;
- quantity of water treated during quarter;
- quantity of each contaminant removed;
- quality of water before treatment, at beginning and end of each quarter;
- quality of water after treatment, at beginning and end of each quarter; and
- operation and maintenance costs for each quarter.

(i) Decision Making Process, Hearings and Appeals.

(1) All Watermaster determinations relating to the control of Pumping for water quality purposes shall be based upon a staff recommendation and information and recommendations received from or furnished by affected Producers. Staff's recommendation shall result from staff's analysis of information presented by interested parties, all available

water quality data, Watermaster's Five-Year Plan, Ground Water modeling and other water quality trend analysis reports, and will be based on the operating principles set forth in these rules. Staff shall provide supporting data to document each recommendation that it makes to Watermaster. After consideration of the staff recommendation and public comment provided at the Watermaster meeting, Watermaster shall make a final decision.

(2) Public hearings on Watermaster's draft annual Five-Year Water Quality and Supply Plan will be held following a thirty (30) day public review and comment period. A notice of the availability of such draft will be sent to all parties to the Judgment as well as to all other interested parties following the regular Watermaster meeting in November of each year, along with a notice of the date, time and place of the public hearing, to be scheduled not less than thirty (30) days after the mailing date of the notice of availability of the draft Plan. A notice of public hearing will also be published in the San Gabriel Valley's key local newspaper(s) at the beginning of the public review period. Consideration of comments received is described in Section 28 (g) hereof.

(3) Appeal of a Watermaster decision may be made to the Watermaster who shall notice and consider the same at a public hearing. Actions by the Watermaster are subject to review by the Court. Any party may, by a regularly noticed motion, petition the Court for review of Watermaster's action or decision. Notice of such motion shall be served and filed within ninety (90) days after such Watermaster action or decision.

29. Watermaster-directed Groundwater Management Programs. Upon written request by any party, or on recommendation of Watermaster staff, Watermaster may initiate an investigation of existing or proposed pumping activities, groundwater levels, recharge potential and other factors that influence groundwater supply in any specific

area of the Basin. Based on the findings of the investigation, and in accordance with Section 40(a) of the Judgment, Watermaster may determine that a groundwater management program is needed to assure equitable water supply availability to all affected parties in the investigation area. Such a program may require that Producers reduce pumping from one or more wells, take water from another source in lieu of pumping groundwater, or a combination of those and/or other measures; however, no program adopted by Watermaster pursuant to this section shall effect a modification or amendment of the quantities specified in the declared rights of any party under the Judgment.

If Watermaster determines such a management program is needed within a specific area of the Basin, Watermaster will develop the program with review and comment by affected parties, and will first attempt to facilitate its implementation through voluntary agreements among the various affected parties. Watermaster may also participate in such agreements as appropriate, subject to court approval.

If any affected party refuses voluntary participation in the groundwater management program, or if the affected Parties cannot reach agreement within a reasonable time not to exceed 12 months from the date that Watermaster receives the draft program at a regular meeting, Watermaster will consider adoption of the program at a duly noticed public hearing and, if the program is adopted, will seek court approval of the program as part of the Watermaster Operating Criteria set forth in the Judgment. Watermaster will implement the program upon court approval and may use funds collected through the In-lieu Assessment to reimburse a Producer for costs incurred beyond normal operating costs to comply with the Watermaster-directed groundwater management program.

30. Purchase Water Plan. On or before November 1 of each year, Watermaster shall prepare and distribute to the Responsible Agencies a three-year projection of its supplemental water purchases from each agency. Watermaster shall, to the extent feasible, coordinate the tentative schedule for delivery and payment of those

purchases with each Responsible Agency. Such three-year projection shall be in accordance with the "Policy/Criteria for Three-year Purchased Water Plan" as appended hereto.

31. Export Agreements. Any party may enter into an agreement with Watermaster to store Supplemental Water and export said stored Supplemental Water under specific terms and conditions approved by Watermaster. Such export shall be in accordance with the "Policy/Criteria for Agreement for Storage and Export of Supplemental Water".

APPENDIX "A"

DEFINITIONS

(a) Active Party – Section 54 of the Judgment refers to specific language regarding electronic service and removal from service list. An active party list will be maintained by Watermaster.

(b) Base Annual Diversion Right -- The average annual quantity of water which a Diverter has the right to Divert for Direct Use.

(c) Deliver – Pursuant to Section 54 of the Judgment, in lieu of mailing any item required to be served under the Judgment, Watermaster may serve such item by electronic service which may include posting the document to Watermaster's website, sending documents to a party by e-mail, or sending notice to the party of the documents availability and viewing location.

(d) Direct Use -- Beneficial use of water other than for spreading or Ground Water recharge.

(e) Divert or Diverting -- To take waters of any surface stream within the Relevant Watershed.

(f) Diverter -- Any party who Diverts.

(g) Elevation -- Feet above mean sea level.

(h) Fiscal Year -- The period July 1 through June 30, following.

(i) Ground Water -- Water beneath the surface of the ground and within the zone of saturation.

(j) Ground Water Basin -- An interconnected permeable geologic formation capable of storing a substantial Ground Water supply.

(k) Integrated Producer -- Any party that is both a Pumper and a Diverter, and has elected to have its rights adjudicated under the optional formula provided in Section 18 of the Amended Judgment.

(l) In-Lieu Water Cost -- The differential between a particular Producer's cost of Watermaster directed Produced, treated, blended, substituted or Supplemental Water

delivered or substituted to, for, or taken by such Producer in-lieu of his cost of otherwise normally producing a like amount of Ground Water.

(m) Judgment -- Judgment entered in Los Angeles Superior Court Civil Action No. 924128, entitled "Upper San Gabriel Valley Municipal Water District v. City of Alhambra, et al.," as amended.

(n) Key Well -- Baldwin Park Key Well, being elsewhere designated as State Well No. IS/IOW-7R2, or Los Angeles County, Department of Public Works, Well No. 3030-F. Said well has a ground surface elevation of 386.7.

(o) Long Beach Case -- Los Angeles Superior Court Case No. 722647, entitled "The Board of Water Commissioners of the City of Long Beach, et al. v. San Gabriel Valley Water Company, et al."

(p) Main San Gabriel Basin or Basin -- The Ground Water Basin underlying the area shown as such on Exhibit "A" of the Judgment.

(q) Make-up Obligation -- The total cost of meeting the obligation of the Basin to the area at or below Whittier Narrows, pursuant to the Judgment in the Long Beach Case.

(r) Minimal Producer -- Any Producer whose Production in any Fiscal Year does not exceed five (5) acre-feet.

(s) Natural Safe Yield -- The quantity of natural water supply which can be extracted annually from the Basin under conditions of the long-term average annual supply, net of the requirement to meet downstream rights as determined in the Long Beach Case (exclusive of Pumped export), and under cultural conditions as of a particular year.

(t) Operating Safe Yield -- The quantity of water which Watermaster determines may be Pumped from the Basin in a particular Fiscal Year, free of the Replacement Water Assessment under the Physical Solution of the Judgment.

(u) Overdraft -- A condition wherein the total annual Production from the Basin exceeds the Natural Safe Yield thereof.

(v) Overlying Rights -- The right to Produce water from the Basin for use on Overlying Lands, which rights are exercisable only on specifically defined Overlying Lands and which cannot be separately conveyed or transferred apart therefrom.

(w) Physical Solution -- The Court-decreed method of managing the waters of the Basin so as to achieve the maximum utilization of the Basin and its water supply, consistent with the rights declared in the Judgment.

(x) Prescriptive Pumping Right -- The highest continuous extraction of water by a Pumper from the Basin for beneficial use in any five (5) consecutive years after commencement of Overdraft and prior to filing of the action, as to which there has been no cessation of use by that Pumper during any subsequent period of five (5) consecutive years prior to the filing of said action.

(y) Produce or Producing -- To Pump or Divert water from the Basin.

(z) Producer -- A party who Produces water from the Basin.

(aa) Production -- The annual quantity of water Produced from the Basin, stated in acre-feet.

(bb) Pump or Pumping -- To extract ground water from the Basin by Pumping or by any other method.

(cc) Pumper -- A party who Pumps water.

(dd) Pumper's Share -- A Pumper's right to a percentage of the entire Natural Safe Yield, Operating Safe Yield and appurtenant Ground Water storage of the Basin.

(ee) Reclaimed Water -- Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur.

(ff) Relevant Watershed -- That portion of the San Gabriel River Watershed tributary to Whittier Narrows which is shown as such on Exhibit "A" to the Judgment and the exterior boundaries of which are described in Exhibit "B" of the Judgment.

(gg) Replacement Water -- Water purchased by Watermaster to replace: (1) Production in excess of a Pumper's Share of Operating Safe Yield; (2) the consumptive

use portion resulting from the exercise of an Overlying Right; and (3) Production in excess of a Diverter's right to Divert for Direct Use.

(hh) Responsible Agency -- The municipal water district which is the normal and appropriate source from whom Watermaster shall purchase Supplemental Water for replacement purposes under the Physical Solution of the Judgment, being one of the following:

(1) Upper District -- Upper San Gabriel Valley Municipal Water District, a member public agency of The Metropolitan Water District of Southern California (MWD).

(2) San Gabriel District -- San Gabriel Valley Municipal Water District, which has a direct contract with the State of California for State Project water.

(3) Three Valleys District -- Three Valleys Municipal Water District, a member public agency of MWD.

(ii) Service -- Synonymous with the definition for Deliver.

(jj) Stored Water -- Supplemental Water stored in the Basin pursuant to a Cyclic Storage Agreement with Watermaster as authorized by Section 34(n) of the Judgment herein.

(kk) Supplemental Water -- Non-tributary water imported through a Responsible Agency and reclaimed water or water obtained from other available sources when water is not available in a timely fashion from a Responsible Agency.

(ll) Transporting Parties -- Any party who has transported water from the Relevant Watershed or Basin to an area outside thereof within the Year immediately preceding the entry of Judgment, and any party presently or hereafter having an interest in lands or having a service area outside the Basin or Relevant Watershed contiguous to lands in which it has an interest or a service area within the Basin or Relevant Watershed. Division by a road, highway, or easement shall not interrupt contiguity. Said term shall also include the City of Sierra Madre, or any party supplying water thereto, so

long as the corporate limits of said City are included within one of the Responsible Agencies.

(mm) Water Level -- The measured Elevation of water in the Key Well, corrected for any temporary effects of mounding caused by replenishment or local depressions caused by Pumping.

(nn) Year -- A calendar year, unless the context clearly indicates a contrary meaning.

The following are supplemental definitions relating to Section 28 of these rules and regulations.

(oo) New Extraction -- Any extraction from the Main San Gabriel Basin using a well or other Ground Water extraction facility that becomes active for the first time for water supply purposes on ,or after June 28, 1991.

(pp) Increased Extraction (Decreased) -- Any modification to an existing well or extraction facility that physically increases (or decreases) the Effective Extraction Capacity of that well or extraction facility. Such modifications may include: (1) changing the well depth, (2) modifying the perforation intervals, (3) modifying the pump and/or motor, (4) installing or modifying distribution pipelines, (5) installing or modifying booster pumps, and (6) installing or modifying other distribution system components. Normal maintenance work would be excluded.

(qq) Effective Extraction Capacity -- The actual capacity of a well or extraction facility to extract Ground Water from the Basin using the pumping equipment and system appurtenances in good working order as they existed on June 28, 1991.

(rr) Treatment Facility -- Any facility that provides treatment for contaminated Ground Water in order to meet drinking water standards.

(ss) Planned Treatment -- A specific Treatment Facility with a designated source of Ground Water supply and schedule for development.

(tt) Active Well -- Any well used or that could be used without modifications to extract Ground Water.

(uu) Inactive Well -- Any well that is not in service at the time of filing of an application hereinunder.

(vv) Abandoned Well -- A well that has been abandoned in accordance with the provisions of state, county or local laws and regulations.

(ww) High-level Degradation and Contamination -- Ground Water containing contaminants in excess of the federal or state maximum contaminant level. Some areas of the Basin contain higher contaminant concentrations than others and Treatment Facilities shall be planned to extract Ground Water from the higher level areas of contamination in the Basin.

(xx) Replacement Well -- A new well that will replace an existing well due to structural or mechanical failure, which is located in the same general vicinity and which has the same physical characteristics (size, depth, perforation intervals) and design extraction capacity as the well it is replacing.

APPENDIX "B"

SUMMARY OF CRITICAL DATES AND ACTIONS FOR WATERMASTER

This summary of critical dates and actions for Watermaster is presented for the convenience of Watermaster members, the Parties and others in carrying out the provisions of the Court Judgment. It does not necessarily include all critical dates and actions under the Judgment.

SUMMARY OF CRITICAL DATES AND ACTIONS FOR WATERMASTER

1. Watermaster members' terms of office.

January 1 – December 31.

2. Watermaster's first meeting in January.

(a) Election of Watermaster Chair and Vice-Chair (from Watermaster membership) and selection of Secretary, Treasurer and assistants (who may, but need not, be Watermaster members). Watermaster Rules and Regulations, Section 6 (R/R 6)

(b) Order Engineering Report for Preliminary Determination of Operating Safe Yield. (R/R 14(a))

3. January 31 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster.

4. March - Receive San Gabriel River Watermaster Report.

5. Watermaster's first meeting in April.

Watermaster shall make a Preliminary Determination of the Operating Safe Yield of the Basin for the next five Fiscal Years and deliver a copy thereof to all Parties at least ten (10) days prior to a hearing thereon and which said hearing shall commence at Watermaster's first meeting in May. (R/R 14(a))

6. April 30 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster.

7. Watermaster's first meeting in May.

(a) Hearing on Preliminary Determination for Watermaster to make Final Determination of Operating Safe Yield. (R/R 14(b)) Within thirty (30) days of the Final Determination of the Operating Safe Yield a copy of the Final Report and Determination must be delivered to each Pumper and

Integrated Producer, including a statement of their entitlements under such Determination. (R/R 14(c))

(b) Budget.

Adopt a proposed Administration Budget for the succeeding Fiscal Year and within fifteen (15) days deliver a copy thereof together with a statement of the level of the Administration Assessment levied by Watermaster which will be collected for purposes of raising the necessary funds for said budget. (R/R 18(a))

(c) Assessments.

In addition to the Administration Assessment, Watermaster shall levy the Replacement Water Assessment, Make-up Obligation Assessment and the In-lieu Water Assessments, if any. (R/R 19)

8. June 1 - Watermaster to supply Producers with projections of contaminant migration by June 1. (R/R 28(g))

9. July - Authorize preparation of Annual Watermaster Report. Receive tentative budget from San Gabriel River Watermaster.

10. July 31 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster. Producers of potable water from the Basin must submit to Watermaster the data required by Section 28(g).

11. August 15 - On or before this date Watermaster must give written notice of all applicable Assessments to all Parties. (R/R 19)

12. September 20 - All Assessments payable to Watermaster. (R/R 19(a))

13. September 30 - Must pay Upper Area share of San Gabriel River Watermaster budget by this date.

14. October 1 - Deliver Notice of Nomination Election of Producer representatives to be held at Watermaster's November meeting. (R/R 19(a))

15. October 31 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster.

16. November

(a) Watermaster Annual Report filed with the Court and copies delivered to each party by November 1. (R/R 24)

(b) Draft Annual Five-Year Water Quality and Supply Plan under Section 28 (g) to be filed with the Los Angeles Regional Quality Control Board and circulated for public review and comment by November 1.

(c) Prior to Watermaster's meeting in November, nomination of Public Representatives to Watermaster by Upper District and San Gabriel District.

(d) Watermaster's meeting in November--election of six Producer Representatives for nomination to Watermaster. (R/R 9(b)) Petition Court for confirmation of nominees and give notice of hearing on Petition to all Parties. Within ninety (90) days of a vacancy on Watermaster, it shall be filled by nomination by Upper District or San Gabriel District if for a Public Representative and by a special election at a Watermaster meeting for a Producer Representative, after notice thereof to all Parties, and Watermaster Petition (and notice thereof to all parties) for Court confirmation of nominee. (R/R 10)

PERMANENT TRANSFER OF WATER RIGHTS - PRESCRIPTIVE PUMPING RIGHT

For a valuable consideration, receipt of which is hereby acknowledged, _____ _____ ("Seller") does hereby assign and transfer in perpetuity to _____, ("Buyer") all rights to the quantity of _____ acre-feet of the "Prescriptive Pumping Right" and the appropriate % of "Pumper's Share" adjudicated to Seller or his predecessor in the Judgment in the case of Upper San Gabriel Valley Municipal Water District, v. City of Alhambra, et al, Los Angeles Superior Court No. 924128, together with all the attendant rights, powers and privileges pertaining thereto.

(Check appropriate provision)

This transfer does ☐ does not ☐ include_____acre-feet of "carry-over of unused rights" associated with said transferred rights and in existence on the date hereof.

DATED: _____

BUYER	SELLER
_____	_____
_____	_____
_____	_____
_____ (Signature)	_____ (Signature)
Name of Designee (of Buyer) to receive service of Processes and Notices:	Name of Designee (of Seller) to receive service of Processes and Notices:
_____	_____
_____	_____
_____ Address	_____ Address
Telephone No.:_____	Telephone No.:_____
E-mail Address:_____	**E-mail Address:**_____

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Seller and a map of the service area where the water is intended to be used by the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed by both Buyer and Seller as part of the transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed "Stipulation Re Intervention After Judgment" if Buyer is not a party to the Judgment)

EXHIBIT A-1

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____

_____ personally known to me

_____ or, proved to me on the basis of satisfactory evidence to be the person(s) who executed the within Instrument as

_____,

or on behalf of the Corporation therein named, and acknowledged to me that the Corporation executed it.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

INDIVIDUAL(S) ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____,

_____ personally known to me

_____ or, proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) _____ subscribed to the within instrument and acknowledged to me that executed the same.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

EXHIBIT A-2

PERMANENT TRANSFER OF WATER RIGHTS – BASE ANNUAL DIVERSION RIGHT

For a valuable consideration, receipt of which is hereby acknowledged, _____ _____ ("Seller") does hereby assign and transfer in perpetuity to _____, ("Buyer") all rights to the quantity of _____ acre-feet of the "Base Annual Diversion Right" adjudicated to Seller or his predecessor in the Judgment in the case of Upper San Gabriel Valley Municipal Water District, v. City of Alhambra, et al, Los Angeles Superior Court No. 924128, together with all the attendant rights, powers and privileges pertaining thereto.

DATED: _____

BUYER	SELLER
_____	_____
_____	_____
_____	_____
_____ (Signature)	_____ (Signature)
Name of Designee (of Buyer) to receive service of Processes and Notices:	Name of Designee (of Seller) to receive service of Processes and Notices:
_____	_____
_____	_____
_____ Address	_____ Address
Telephone No.: _____	Telephone No.: _____
E-mail Address: _____	**E-mail Address:** _____

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Seller and a map of the service area where the water is intended to be used by the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed by both Buyer and Seller as part of the transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed "Stipulation Re Intervention After Judgment" if Buyer is not a party to the Judgment)

EXHIBIT B-1

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____

_____ personally known to me

_____ or, proved to me on the basis of satisfactory evidence to be the person(s) who executed the within Instrument as

_____,

or on behalf of the Corporation therein named, and acknowledged to me that the Corporation executed it.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

INDIVIDUAL(S) ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____,

_____ personally known to me

_____ or, proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) _____ subscribed to the within instrument and acknowledged to me that executed the same.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

PERMANENT TRANSFER OF WATER RIGHTS – INTEGRATED PRODUCTION RIGHT

For a valuable consideration, receipt of which is hereby acknowledged, _____ _____ ("Seller") does hereby assign and transfer in perpetuity to _____, ("Buyer") all rights to the quantity of _____ acre-feet of the "Diversion Component" adjudicated to Seller or his predecessor in the Judgment in the case of Upper San Gabriel Valley Municipal Water District, v. City of Alhambra, et al, Los Angeles Superior Court No. 924128, together with all the attendant rights, powers and privileges pertaining thereto.

(Check appropriate provision)

This transfer does ☐ does not ☐ include_____acre-feet of "carry-over of unused rights" associated with said transferred rights and in existence on the date hereof.

DATED: _____

BUYER	SELLER
_____	_____
_____	_____
_____	_____
_____ (Signature)	_____ (Signature)
Name of Designee (of Buyer) to receive service of Processes and Notices:	Name of Designee (of Seller) to receive service of Processes and Notices:
_____	_____
_____	_____
_____ Address	_____ Address
Telephone No.:_____	Telephone No.: _____
E-mail Address:_____	**E-mail Address:**_____

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Seller and a map of the service area where the water is intended to be used by the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed by both Buyer and Seller as part of the transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed "Stipulation Re Intervention After Judgment" if Buyer is not a party to the Judgment)

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____

_____ personally known to me

_____ or, proved to me on the basis of satisfactory evidence to be the person(s) who executed the within Instrument as

_____,

or on behalf of the Corporation therein named, and acknowledged to me that the Corporation executed it.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

INDIVIDUAL(S) ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____,

_____ personally known to me

_____ or, proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) _____ subscribed to the within instrument and acknowledged to me that executed the same.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

EXHIBIT C-2

TEMPORARY ASSIGNMENT OR LEASE OF WATER RIGHT

For a valuable consideration, receipt of which is hereby acknowledged, _____ ("Assignor") does hereby assign and transfer to _____, ("Assignee") commencing on _____ and terminating _____, on the following water right(s):

(Check following appropriate category)

- ☐ Production Right _____AF
- ☐ Prescriptive Pumping Right _____AF
- ☐ Base Annual Diversion Right _____AF
- ☐ Integrated Production Right (consisting of _____AF of "Prescriptive Pumping Component" and _____AF of "Diversion Component")
- ☐ Carryover Right_____AF

adjudicated to Assignor or his predecessor in the Judgment in the case of "Upper San Gabriel Valley Municipal Water District, v. City of Alhambra, et al," Los Angeles Superior Court No. 924128.

Said assignment is made upon condition that:

(1) Assignee shall exercise said right on behalf of Assignor for the period described hereinabove and the first water produced by Assignee from the Relevant Watershed of the Main San Gabriel Basin after the date hereof shall be that produced hereunder;
(2) Assignee shall put all waters utilized pursuant to said transfer to reasonable beneficial use; and
(3) Assignee shall pay all Watermaster assessments on account of the water production hereby assigned or leased.

DATED: _____

ASSIGNEE	ASSIGNOR
_____	_____
_____	_____
_____	_____
Signature	Signature
Name of Designee (of Assignee) to receive service of Processes and Notices:	Name of Designee (of Assignor) to receive service of Processes and Notices:
_____	_____
_____	_____
_____	_____
Address	Address
Tel. No.: _____	Tel. No.: _____
E-mail Address: _____	**E-mail Address:** _____

To be executed by both Assignee and Assignor and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Assignor and a map of the service area where the water is intended to be used by the Assignee.

(Have the appropriate individual(s) or corporate attached acknowledgments completed as part of the temporary transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION

(To be accompanied by completed "Stipulation Re Intervention After Judgment" if Assignee is not a party to the Judgment)

EXHIBIT D-1

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____
_____ personally known to me
_____ or, proved to me on the basis of satisfactory evidence to be the person(s) who executed the within Instrument as
_____,
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation executed it.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

INDIVIDUAL(S) ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____,
_____ personally known to me
_____ or, proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) _____ subscribed to the within instrument and acknowledged to me that executed the same.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

Frederic A. Fudacz, State Bar #050546
Alfred E. Smith, State Bar #186257
Nossaman LLP
777 South Figueroa Street, 34th Floor
Los Angeles, CA 90017
(213) 612-7800 Office
(213) 612-7801

Attorney for Main San Gabriel Basin Watermaster

EXEMPT FROM FILING FEES
GOVERNMENT CODE 6103

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT Plaintiff vs. CITY OF ALHAMBRA, ET AL, Defendants _____	CASE NO.: C 924128 STIPULATION RE INTERVENTION AFTER JUDGMENT OF _____

IT IS HEREBY STIPULATED by and between the Main San Gabriel Basin Watermaster for and on behalf of all parties to the instant action (pursuant to Section 57 of the amended Judgment) and _____, the proposed Intervenor(s) herein, that said proposed Intervenor(s) may intervene in the instant action and become entitled to all of the benefits bound by all of the burdens of the Judgment herein.

The Court will consider the attached proposed Order confirming said Intervention at _____ o'clock _____on_____ 20___, in Department 38, located at 111 North Hill Street, Los Angeles, CA 90012.

Watermaster shall give at least 30 days notice to the parties herein of said hearing.

DATED:_____

WATERMASTER

By _____

Chairman

Attest:

_____

Secretary

DATED:_____

INTERVENOR(S)

_____

By_____

By_____

Name of Intervenor's Designee:

_____

Address of Designee:

_____

_____

Telephone Number of Designee:

_____

E-mail for Designee:

_____

EXHIBIT E-2

Frederic A. Fudacz, State Bar #050546
Alfred E. Smith, State Bar #186257
Nossaman LLP
777 South Figueroa Street, 34th Floor
Los Angeles, CA 90017
(213) 612-7800 Office
(213) 612-7801

Attorney for Main San Gabriel Basin Watermaster

EXEMPT FROM FILING FEES
GOVERNMENT CODE 6103

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT Plaintiff vs. CITY OF ALHAMBRA, ET AL, Defendants	CASE NO.: C 924128 DESIGNEE TO RECEIVE FUTURE NOTICES FOR AND ON BEHALF OF DEFENDANT(S)

Defendant(s) _____ hereby designates: _____, whose address is _____, and whose telephone number is _____, and whose **e-mail address is** _____as said Defendant's Designee to receive service of all future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon said defendant(s) or delivered to said defendant(s) herein.

A copy hereof has been served upon the Watermaster herein, by mail, on _____, 20___.

EXHIBIT F-1

Executed under penalties of perjury at _____, California, this _____ day of _____, 20___.

_____

Printed Name of Designee

_____

Signature of Designee

EXHIBIT F-2

NOTICE OF TRANSFER OF OVERLYING RIGHTS
WITH PROPERTY TO WHICH THEY ARE APPURTENANT

On _____, 20___, the undersigned (or his predecessor), adjudged Overlying Rights on the property described in Exhibit 1 attached hereto and by this inference incorporated herein, in the case of "UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT, v. CITY OF ALHAMBRA, ET AL," Los Angeles Superior Court No. 924128, transferred said property and said Overlying Rights appurtenant thereto to _____, whose address is _____, whose **e-mail address is** _____ and whose telephone number is _____.

That said transferee hereby names _____ Whose address is _____, whose telephone number is _____, and whose e-mail address is _____ as his/her Designee to receive all future notices and processes in said action.

DATED: _____

BUYER	SELLER
_____	_____
_____	_____
_____	_____
_____ (Signature)	_____ (Signature)

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Seller and a map of the service area where the water is intended to be used by the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed as part of the transfer, and include Exhibit 1)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed "Exhibit E" if Buyer is not a party to the Judgment)

EXHIBIT G-1

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____

_____ personally known to me

_____ or, proved to me on the basis of satisfactory evidence to be the person(s) who executed the within Instrument as

_____,

or on behalf of the Corporation therein named, and acknowledged to me that the Corporation executed it.

WITNESS my hand and official seal.

Signature _____

_____

Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

INDIVIDUAL(S) ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____,

_____ personally known to me

_____ or, proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) _____ subscribed to the within instrument and acknowledged to me that executed the same.

WITNESS my hand and official seal.

Signature _____

_____

Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

EXHIBIT G-2

Mailing Address:
725 North Azusa Ave.
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER

SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

(State Well Number)

(Recordation Number)

(Owner's Designation)

APPLICATION TO DRILL WATER WELL

(To Be Completed by Watermaster)

(1) APPLICANT:
Name_____
Address_____
_____
E-mail Address_____
(2) LOCATION OF PROPOSED WELL:
*Well Address:*_____
Township, Range, and Section_____
Thomas Brothers Guide *(Please indicate year, page number and coordinates.)*_____
_____
Assessor's Parcel No._____
(Please attach copy of a map or sketch showing well location relative to streets or other major landmarks.)
(3) NAME OF WELL DRILLING CONTRACTOR:_____
_____

(4) PROPOSED USE:
Municipal ( ) Irrigation ( )
Domestic ( ) Industrial ( )
Water Quality Cleanup ( )
Other ( )_____

(5) DRILLING EQUIPMENT:
Rotary ( )
Cable ( )
Other ( )_____

(6) PROPOSED WELL CHARACTERISTICS:
A. Casing Installed:
STEEL ( ) PLASTIC ( )
OTHER ( )

Gravel Packed:
Yes ( ) No ( ) Size_____

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed From ft.	Packed To ft.

Size of shoe or well ring:_____
Describe joint_____
B. Perforations or Screen:
Type of perforation or size of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

C. Construction:
Will a surface sanitary seal be provided? Yes ( ) No ( )
To what depth? _____ft.
Is any strata anticipated to be sealed against pollution?
Yes ( ) No ( )
If yes, note anticipated depth of strata
from _____ft. to _____ft.
from _____ft. to _____ft.
Proposed method sealing_____
_____
(7) WELL TESTS:
Will a pump test be made? Yes ( ) No ( ) If yes by whom?
_____
Anticipated Well Yield_____
Will a chemical analysis be made? Yes ( ) No ( )
Will an electric log be made of well? Yes ( ) No ( ) (If yes, file Copy with Watermaster upon well completion)

(8) PROPOSED PUMPING EQUIPMENT:
(A) Pump
Electric ( ) Natural Gas ( )
Propane ( ) Diesel ( )
Other ( )_____
(B) Make_____
(C) Pump Size (hp)_____(gpm)_____
(D) Design Efficiency_____
(9) PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION:
(A) Distance to nearest sewer line or septic tank_____(ft.)
(B) Wells (Please provide distance, direction and name of nearest upgradient well(s) with volatile organic chemical or nitrate levels above a maximum contaminant level, if known.)
_____
_____
_____

(10) Please provide copy of County of Los Angeles permits and State Department of Water Resources Water Well Driller Reports and any other permits for construction of a new well upon completion of proposed well.
(11) Please provide Watermaster with copies of all feasibility studies, alternative water supply sources, water quality studies or other reports which validate the Applicant's need to drill a new well. Applicant must provide supporting data to show compliance with the requirements of Section 28 with particular reference to Section 28(e) of Watermaster's Rules and Regulations.

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to well construction, repair, modification, destruction and inactivation. The applicant will furnish the Watermaster a complete well log upon completion of well construction.

Submitted for Applicant by:_____
_____

Signature:_____

Title:_____

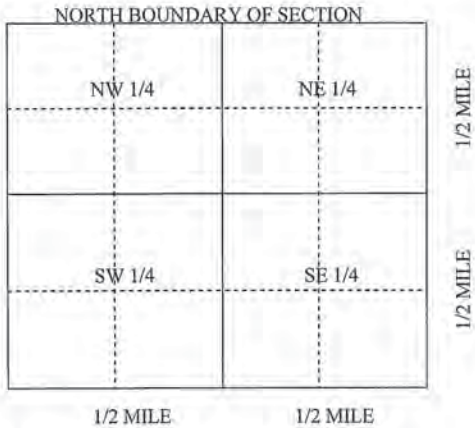
Date:_____

Date Received by Watermaster:_____
Watermaster Action: Approved ( ) Denied ( )
Date of Action:_____
Permit Number:_____
By:_____
(Name)
_____
(Title)

EXHIBIT H-1

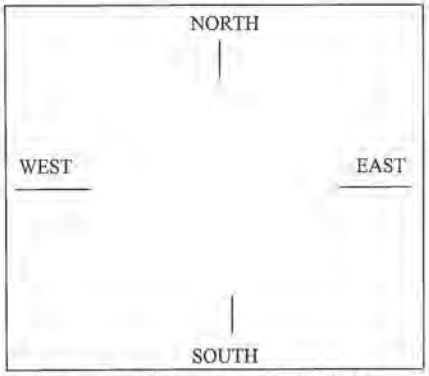
Form No. RR 28-03 – 08/00

WELL LOCATION SKETCH



Township _____ **N/S**
Range _____ **E/W**
Section No. _____

A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized. Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

EXHIBIT H-2

Mailing Address:
725 North Azusa Ave.
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER
SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

APPLICATION TO MODIFY EXISTING WATER WELL

(State Well Number) _____
(Recordation Number) _____
(Owner's Designation) _____

(1) APPLICANT:
Name _____
Address _____
_____
E-mail Address _____
(2) LOCATION OF PROPOSED WELL:
Well Address: _____
Township, Range, and Section _____
Thomas Brothers Guide (Please indicate year, page number and coordinates.) _____
_____
Assessor's Parcel No. _____
(Please attach copy of a map or sketch showing well location relative to streets or other major landmarks.)
(3) NAME OF WELL DRILLING CONTRACTOR: _____
_____
(4) TYPE OF WORK:
Deepening ( ) Modify Perforations ( ) Increase Yield ( )
Reconditioning ( ) Other ( ) _____
(5) PROPOSED USE:
Municipal ( ) Irrigation ( )
Domestic ( ) Industrial ( )
Water Quality Cleanup ( )
Other ( ) _____
(6) DRILLING EQUIPMENT:
Rotary ( )
Cable ( )
Other ( )
(7A) CASING INSTALLED (existing):
STEEL ( ) PLASTIC ( )
OTHER ( )
Gravel Packed:
Yes ( ) No ( ) Size _____

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed From ft.	Packed To ft.

Size of shoe or well ring: _____
Describe joint _____
(7B) CASING INSTALLED (proposed):
STEEL ( ) PLASTIC ( )
OTHER ( )
Gravel Packed:
Yes ( ) No ( ) Size _____

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed From ft.	Packed To ft.

Size of shoe or well ring: _____
Describe joint _____
(8A) PERFORATIONS OR SCREEN (existing):
Type of perforation or size of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

(8B) PERFORATIONS OR SCREEN (proposed):
Type of perforation or size of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

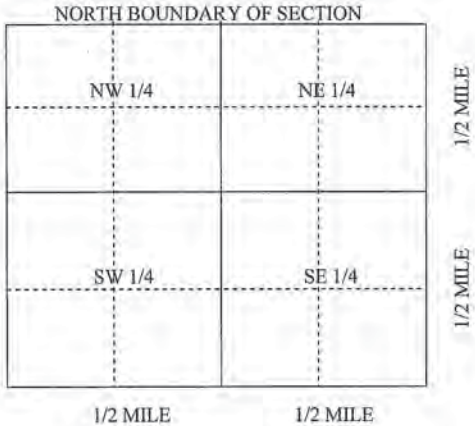
(9A) EXISTING CONSTRUCTION:
Was a surface sanitary seal provided? Yes ( ) No ( )
To what depth? _____ ft.
Were any strata sealed against pollution? Yes ( ) No ( )
If yes, note depth of strata
from _____ ft. to _____ ft.
from _____ ft. to _____ ft.
Method of sealing _____
(9B) PROPOSED CONSTRUCTION:
Will a surface sanitary seal be provided? Yes ( ) No ( )
To what depth? _____ ft.
Is any strata anticipated to be sealed against pollution? Yes ( ) No ( )
If yes, note depth of strata
from _____ ft. to _____ ft.
from _____ ft. to _____ ft.
Method of sealing _____
(10) WELL TESTS:
Was a pump test made? Yes ( ) No ( ) (If yes, attach most recent copy)
_____gal. min. with _____ft. drawdown after _____hrs.
Temperature of water _____
Was a chemical analysis made? Yes ( ) No ( )
Was electric log made of well? Yes ( ) No ( ) (If yes, attach most recent copy)
(11) WELL LOG:
Total depth _____ft. Depth of completed well _____ft.
Formation: Describe by color, character, size of material and structure _____ ft. to _____ ft.
(Please attach copy of existing well log. If well log is not available, describe well lithology in space provided or on attached page.)
_____
_____
(12) HISTORIC WELL MODIFICATIONS:
(On an attached page, please provide a chronology of all historic well modifications which may have affected well yield or water quality.)
(13A) EXISTING WELL PUMP DATA:
A. Pump Type:
Electric ( ) Natural Gas ( ) Other ( )
Propane ( ) Diesel ( )
B. Pump Performance:
Horsepower _____ (GPM) _____
Design Efficiency _____
(13B) PROPOSED WELL PUMP DATA:
A. Pump Type:
Electric ( ) Natural Gas ( ) Other ( )
Propane ( ) Diesel ( )
B. Pump Performance:
Horsepower _____ (GPM) _____
Design Efficiency _____
(14) Please provide copy of County of Los Angeles permits and State Department of Water Resources Water Well Driller Reports and any other permits for modification of an existing well upon completion of modification of well.
(15) Please provide Watermaster with copies of all feasibility studies, alternative water supply sources, water quality studies or other reports which validate the Applicant's need to modify this well. Applicant must provide supporting data to show compliance with the requirements of Section 28 with particular reference to Section 28(e) of Watermaster's Rules and Regulations.

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to well construction, operation, repair, modification, destruction and inactivation. The Applicant will furnish the Watermaster a complete well log upon completion of well modification.

Submitted for Applicant by: _____
Signature: _____
Title: _____
Date: _____
Date Received by Watermaster: _____
Watermaster Action:
Approved ( ) Denied ( )
Date of Action: _____
Permit Number: _____
By: _____
(Name)
_____
(Title)

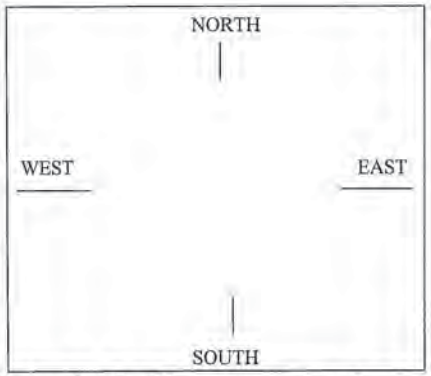
EXHIBIT I-1

WELL LOCATION SKETCH



Township _____ **N/S**
Range _____ **E/W**
Section No. _____

A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized. Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

EXHIBIT I-2

Mailing Address:
725 North Azusa Ave.
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER
SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

(State Well Number)
(Recordation Number)
(Owner's Designation)

APPLICATION TO DESTROY WELL

(1) APPLICANT:
Name _____
Address _____

E-mail Address _____

(2) LOCATION OF WELL:
Well Address: _____
Township, Range, and Section _____
Thomas Brothers Guide (Please indicate year, page number and coordinates.) _____

Assessor's Parcel No. _____
(Please attach copy of a map or sketch showing well location relative to streets or other major landmarks.)

(3) NAME OF WELL DRILLING CONTRACTOR: _____

(4) PURPOSE FOR DESTROYING WELL
Water Quality ( ) Physical ( )
Other ( ) _____

(5) CURRENT USE:
Municipal ( ) Irrigation ( )
Domestic ( ) Industrial ( )
Water Quality Cleanup ( )
Other ( ) _____

(6) EXISTING CASING INSTALLED:
STEEL ( ) PLASTIC ( )
OTHER ( )

Gravel Packed:
Yes ( ) No ( ) Size _____

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed From ft.	Packed To ft.

Size of shoe or well ring: _____

Describe joint _____

(7) EXISTING PERFORATIONS OR SCREEN:
Type of perforation or size of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes ( ) No ( )
To what depth? _____ ft.
Were any strata sealed against pollution? Yes ( ) No ( )
If yes, note depth of strata
from _____ ft. to _____ ft.
from _____ ft. to _____ ft.
Method of sealing _____

(9) WELL LOG: (Please provide a copy of well log.)
Total depth _____ ft. Depth of completed well _____ ft.
Formation: *Describe by color, character, size of material and structure if well log cannot be provided.*
_____ ft. to _____ ft. _____

(10) METHOD OF DESTROYING: (Please provide an explanation of how the well is to be destroyed including drawings showing the proposed method of destroying. Please provide copy of County of Los Angeles permits and State Department of Water Resources Water Well Drillers reports and any other permits for destruction of well following destruction of the well.)

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to well construction, operation, repair, modification, destruction and inactivation. The Applicant will notify the Watermaster upon completion of well destruction.

Submitted for Applicant by: _____

Signature: _____

Title: _____

Date: _____

Date Received by Watermaster: _____

Watermaster Action:
Approved ( ) **Denied ( )**

Date of Action: _____

Permit Number: _____

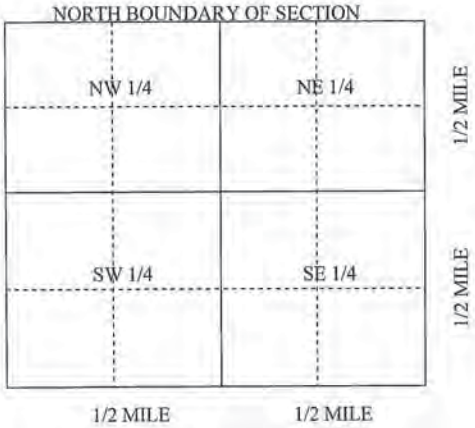
By: _____
(Name)

_____
(Title)

EXHIBIT J-1

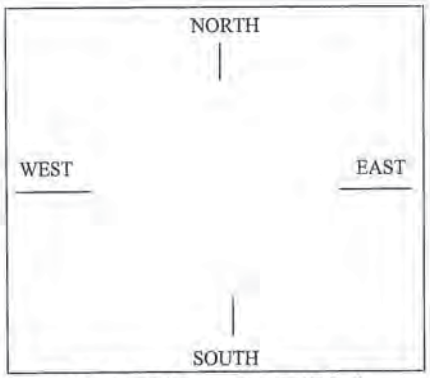
Form No. RR 28-03 – 08/00

WELL LOCATION SKETCH



Township _____ **N/S**
Range _____ **E/W**
Section No. _____

A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized. Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

EXHIBIT J-2

Mailing Address:
725 North Azusa Ave.
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER

SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

APPLICATION FOR WATER TREATMENT FACILITY

(1) APPLICANT:
Name_____
Address_____
_____
E-mail Address_____

(2) LOCATION OF TREATMENT FACILITY:
Address_____
Thomas Brothers Guide (Please indicate year, page number and coordinates.)_____
_____
(Please include a map showing the location of the treatment facility relative to streets, buildings, water system facilities and other points of reference.)

(3) (A) NAME OF WATER TREATMENT FACILITY CONTRACTOR:_____
(B) NAME OF DESIGN ENGINEER AND STATE REGISTRATION NUMBER:_____

(4) PROPOSED ACTION AT TREATMENT FACILITY
Construction ( ) Modification ( ) Removal ( )
Destruction ( ) Other ( )

(5) DESCRIPTION OF FACILITY:
(A) Type of treatment:
Volatile Organic Chemical ( ) Nitrate ( ) Other ( )
(B) Please describe the treatment process to be used at the proposed treatment plant.
_____
_____
_____
(C) Please list, by Owner Designation, all wells to be treated:
_____
_____
_____

(6) ANTICIPATED TREATMENT FACILITY CAPACITY:
_____ Gallons Per Minute
_____ Acre-feet Per Year

(7) EXPECTED CONCENTRATION OF CONTAMINANTS:

Contaminant	Influent Concentration (Parts per Billion)	Effluent Concentration (Parts per Billion)	Contaminant Removal Rate (Percent)
Trichloroethylene (TCE)			
Tetrachloroethylene (PCE)			
1,1,1-Trichloroethane (1,1,1-TCA)			
Carbon Tetrachloride (CTC)			
1,1-Dichloroethylene (1,1-DCE)			
1,1-Dichloroethane (1,1-DCA)			
1,2-Dichloroethane (1,2-DCA)			
Others:			

(8) DISPOSITION OF ALL TREATED WATER:
(Please describe disposition of all treated water, and the corresponding annual amount of discharge.)
_____
_____
_____

(9) INITAIL START-UP DATE:
_____

(10) EXPECTED OPERATING SCHEDULE:
(A) Daily schedule_____
(B) Number of days each month *(Please specify if operating schedule varies month-to-month)*
_____
_____

(11) EXPECTED COSTS
(A) Capital cost:$_____
(B) Operation and maintenance:$_____/AF.

(12) REGULATORY PERMITS: Please describe all necessary permits and/or all permits for which you have applied or have received from all regulatory agencies with regard to the proposed treatment facility. Please supply to Watermaster, copies of all environmental documents required under the California Environmental Quality Act and/or the National Environmental Protection Act.

(13) Applicant acknowledges it will comply with all portions of Section 28 of Watermaster's Rules and Regulations pertaining to quarterly data submittal, for treatment plant operation, to Watermaster. Specifically, at least the following data shall be provided on a quarterly basis:

- Name or other designation of treatment facility;
- Quantity of water treated during quarter;
- Quantity of each contaminant removed;
- Quality of water before treatment, at beginning and end of each quarter;
- Quality of water after treatment, at beginning and end of each quarter; and
- Operation and maintenance costs for each quarter.

(14) Please provide Watermaster with copies of all feasibility studies, alternative water supply sources, water quality studies or other reports which validate the Applicant's need to install a water treatment facility.

Applicant must provide supporting data to show compliance with the requirements of Section 28 with particular reference to Section 28(h) of Watermaster's Rules and Regulations.

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to treatment plant construction, operation, repair, modification, destruction and inactivation.

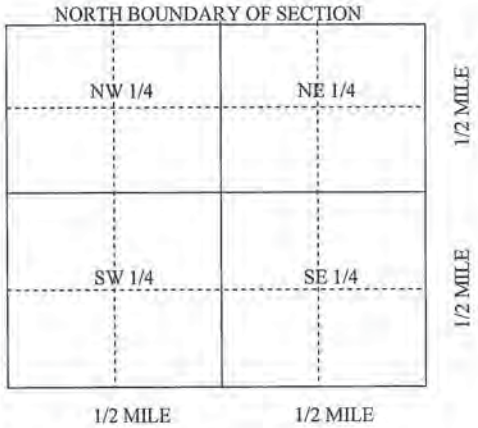
Submitted for Applicant by:_____
Signature:_____
Title:_____
Date:_____

Date Received by Watermaster:_____
Watermaster Action:
Approved ( ) Denied ( )
Date of Action:_____
Permit Number:_____
By:_____
(Name)
_____
(Title)

EXHIBIT K-1

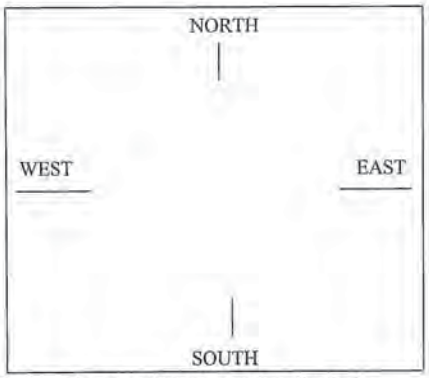
Form No. RR 28-03 – 08/00

WELL LOCATION SKETCH



Township _____ **N/S**
Range _____ **E/W**
Section No. _____

A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized. Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

EXHIBIT K-2

POLICY/CRITERIA FOR BORROWING
Section 18 (i)

A. Watermaster may borrow money from any available fund maintained by it for purposes other than Replacement Water purchases, or use accrued funds, to purchase Supplemental Water. "Any available fund" shall mean the Administration Fund, the In-Lieu Fund, the Make-up Obligation Fund or any fund other than the Replacement Water Fund. The following criteria shall be followed when borrowing from any available fund. **(Note: The provisions for levying assessments, including repayment of borrowed funds, should be added to Sections 18 (Assessments) and 19 (Levy and Notice of Assessments).)**

1. The first priority for using borrowed funds is for the pre-purchase of Replacement Water based upon unique water supply availability conditions. In this case, borrowed funds shall be repaid by the subsequent over-producers as normal Replacement Water purchases. The Watermaster may also use borrowed funds to purchase Supplemental Water for the general benefit of the Basin.
2. Watermaster shall maintain sufficient amounts in the fund(s) it borrows from to reliably manage those funds.
   a. The Replacement Water fund has accumulated amounts which reflect interest income. The surplus amounts in the Replacement Water fund may be used for the purchase of Replacement Water.
   b. The Make-up Obligation fund has been established through Make-up Obligation assessments to fund the purchase of Make-up Water to satisfy a Make-up Obligation of the Upper Area to the Lower Area pursuant to the Long Beach Judgment.

EXHIBIT L-1

i. The Upper Area shall have an Accrued Credit of no less than 50,000 acre-feet in order to consider any borrowing for the purchase of Supplement Water.

ii. If, at any time, amounts are borrowed from the Make-up Obligation fund, and the Upper Area accrued credit falls below 50,000 acre-feet, the amount borrowed shall be repaid, with accrued interest, within one-year of the date of the San Gabriel River Watermaster Annual Report identifying the accrued credit is below 50,000 acre-feet.

B. Borrowing from Financial Institutions

1. When necessary to secure Supplemental Water, upon approval by Watermaster at its regularly scheduled public meeting, Watermaster may borrow funds in excess of the annual amount of assessments levied but uncollected.
2. Prior to borrowing funds, Watermaster shall conduct the following:
   a. Meet and confer with Responsible Agencies and seek their input and;
   b. Obtain prior approval of the Court before incurring debt that exceeds the total of one year's levied Assessments.
   c. Identify the terms and conditions for Court approval.
3. Debt repayment will be allocated among the Parties subject to the beneficial use of the Supplemental Water
   a. Supplemental Water used as a pre-delivery of a Replacement Water obligation shall be allocated amongst the Parties which incur a Replacement Water obligation.
   b. Supplemental Water used as a delivery for the general benefit of the Basin shall be allocated based upon total

Prescriptive Pumping Rights and Surface Diversion Rights (or total Production).

4. Watermaster may establish a line of financial credit with a financial institution. Watermaster shall maintain a record of all fees, principal and interest associated with any loan or withdrawal on its line of credit until such funds are repaid. Watermaster shall establish an applicable assessment rate for repayment in full, including fees and interest.
   a. Upon receipt of assessment funds each year, Watermaster shall make a repayment to the lending institution, in part or in whole, to complete repayment.

POLICY/CRITERIA FOR
THREE-YEAR PURCHASED WATER PLAN
Section 30

A. By August 1 of each year, Watermaster staff will prepare a draft Three-year Purchased Water Plan estimating the Supplemental Water purchases for each of the three subsequent years.

1. Estimated Supplemental Water purchases shall be provided to correspond to water supply allocations made by other agencies (currently calendar year).
    a. Allocations of State Water Project water entitlement are provided on a calendar year basis.
    b. The Metropolitan Water District of Southern California allocations are provided on a calendar year basis.
2. The Supplemental Water requirement from the end of Watermaster's fiscal year (ends June 30) is assumed to be delivered by the end of the respective calendar year (i.e. June 30, 2013 delivered by December 31, 2013).
3. The estimated Supplemental Water requirements to be included in the draft Three-year Purchased Water Plan may be based on the following:
    a. The first year of the Three-year Purchased Water Plan shall be, at a minimum, the total Replacement Water requirement for the three Responsible Agencies for the immediately preceding fiscal year's Operating Safe Yield and Production, and any Supplemental Water, at the discretion of Watermaster.
    b. The second and third years of the Three-year Purchased Water Plan may be estimated as follows:

i. The Operating Safe Yield established by Watermaster for the current fiscal year and the preliminary Operating Safe Yield for the next succeeding years.
ii. Alternative projections of the Operating Safe Yield that may be set by Watermaster.
iii. An evaluation of potential wet, average, and dry hydrologic conditions.
iv. Future groundwater Production provided by, or estimated for, each Producer pursuant to Section 28(g) (1) of these Rules and Regulations and preparation of Watermaster's Five-year Water Supply and Water Quality Plan.
v. Depending upon Basin conditions, Watermaster may consider additional factors as necessary.

B. Prior to October 1 of each year, the draft Three-year Purchased Water Plan shall be provided to the appropriate Watermaster Committee(s) for review.

C. At its October meeting, the Watermaster Board shall be presented with the draft Three-year Purchased Water Plan.

D. On or before November 1 of each year, Watermaster shall prepare and distribute to the Responsible Agencies a three-year projection of its supplemental water purchases from each agency.

E. Watermaster shall, to the extent feasible, coordinate the tentative schedule for delivery and payment of those Supplemental Water purchases with each agency.

POLICY/CRITERIA FOR
REPLACEMENT WATER ASSESSMENT
Section 18 (b)

Section 18(b) – Watermaster Replacement Water rates may be in an amount calculated to allow Watermaster to purchase more than one acre-foot of Supplemental Water for each acre-foot of excess Production (Production which exceeds annual Production rights) to which such Assessment applies, when such purchases are prudent in order to secure necessary supplies for the benefit of the Basin and parties, subject to the following conditions:

1. To the extent Watermaster purchases more than one acre-foot of Supplemental Water for each acre-foot of excess Production to which such assessment applies, a credit shall be issued to the affected Producers at such time excess water is purchased.
2. Watermaster shall maintain a record of the Producers which were assessed and the quantity of Supplemental Water that was purchased for the current year's Replacement Water obligation and the incremental additional amount of Supplemental Water that was purchased for which a credit will be issued.
3. Producers that have been assessed an amount to purchase more than one acre-foot of Supplemental Water and have received a credit shall have the option of:
   a. Retaining the additional Supplemental Water in an individual Producer cyclic storage account for use by the Producer to off-set a future Replacement Water obligation – (requires cyclic storage agreement).
   b. Transferring the additionally purchased Supplemental Water credit to the appropriate Responsible Agency, and placed in the Responsible Agency's cyclic storage account.
4. Interest shall not accrue to the Producer on the assessment used to purchase additional Supplemental Water.

POLICY/CRITERIA FOR
WATER RESOURCE DEVELOPMENT ASSESSMENT
Section 18 (e)

e) Watermaster may levy an assessment on all Pumping to support the purchase, financing and/or development of new or additional Supplemental Water sources, in cooperation with one or more Responsible Agencies as appropriate.

1. Any Water Resource Development Assessment approved by the Watermaster shall be assessed on all Production.
2. The Water Resource Development Assessment funds are intended to ensure that the Basin maintains a reliable Supplemental Water supply to support the Judgment's Physical Solution and are intended to be used for the benefit of the entire Basin.
3. Any proposed use of Water Resource Development Assessment for development of a new or additional Supplemental Water source(s) shall require a technical document to be prepared and presented to the Watermaster, and shall include, as a minimum, the following information.
   a. Engineering Report
      i. Description
      ii. Source of water supply
      iii. Water supply reliability
      iv. Description of new facilities
      v. Detailed cost estimate
      vi. Detailed operations and maintenance cost estimate
      vii. A cost/benefit analysis
      viii. Description of potential impacts to Responsible Agencies
      ix. Description of basin-wide benefits
   b. California Environmental Quality Act (CEQA) and/or National Environment Policy Act (NEPA) compliance, as necessary

i. A Categorical Exemption
ii. A Negative Declaration
iii. A Mitigated Negative Declaration
iv. An Environmental Impact Report

c. Regulatory approval, as applicable
   i. California Department of Public Health
   ii. Regional Water Quality Control Board
   iii. United States Environmental Protection Agency
   iv. State Water Resources Control Board
   v. Other State, County and Local Agencies

d. Funding summary and financial analysis
   i. Description of all sources of funding
   ii. Capital costs funding
   iii. Operations, maintenance, repair and replacement costs funding
   iv. Long-term financial strategy

4. In the event a Supplemental Water Supply project is presented to the Watermaster, Watermaster's Engineer and/or other designated Watermaster consultant(s) shall review the technical documents submitted and prepare a Staff Report evaluating the proposed project, including but not limited to :
   a. Any Watermaster obligation and benefits.
   b. Potential impacts to Responsible Agencies
   c. Benefits to the Basin and the Producers.
   d. An analysis of project costs compared to existing source(s) of supply.
   e. An analysis of the long-term reliable yield of the proposed project.
5. The Watermaster Engineer's staff report shall be reviewed by the appropriate Watermaster Committee(s).

6. A new Supplemental Water Supply project that is endorsed by a Watermaster Committee(s) shall be subject to Section 11 of the Rules and Regulations
7. A new Supplemental Water Resources Development Assessment supply project that satisfies the public hearing process may be agenized for action by Watermaster regarding a Water Resources Development Assessment.
   a. Watermaster's action on a Water Resources Development Assessment is subject to Court approval.
   b. Parties wishing to oppose or support Watermaster's action may do so pursuant to Section 11 of these Rules and Regulations.
8. Following Court approval of a Water Resource Development Assessment, but prior to levying the assessment, Watermaster may execute an Agreement with the project proponent, if appropriate, including but not limited to a description of:
   a. Reliable annual project yield.
   b. All funding requirements.
   c. Provisions for repayment of Watermaster Resource Development Assessments in the event alternative funding becomes available in the future.
   d. The specific amount and length of time the Resources Development Assessment will be levied.
   e. Any other items deemed appropriate by Watermaster.

POLICY/CRITERIA FOR
AGREEMENT FOR STORAGE AND EXPORT OF SUPPLEMENTAL WATER
Section 34 (r)

1. Potential Parties to a Storage and Export Agreement shall include, but not be limited to the following:
   a. Main San Gabriel Basin Watermaster.
   b. Party to the Judgment, as applicable.
   c. The appropriate Responsible Agency(s)
      i. Three Valleys Municipal Water District
      ii. Upper San Gabriel Valley Municipal Water District
      iii. San Gabriel Valley Municipal Water District
   d. Non-party to the Judgment, as applicable.

2. Recitals (likely need a lot more)
   a. Watermaster may fix terms and conditions under which parties and non-parties may store Supplemental Water in and export said Supplemental Water from the Basin;(Section 34 (r) of the amended Judgment)
   b. Entities to a Storage and Export Agreement who are Parties to the Watermaster Judgment remain bound by ALL provisions of the Judgment and Rules and Regulations.
   c. Entities to a Storage and Export Agreement who are non-Parties to the Watermaster Judgment shall remain non-parties to the Judgment and receive no rights, privileges, or responsibilities under the Judgment, except those specified herein.
   d. Non-parties wishing to store and export Supplemental Water agree to the enforcement and dispute resolution procedures of the Judgment, including without limitation, submission to dispute resolution before the Court with continuing jurisdiction under the Judgment.
   e. A Storage and Export Agreement shall be administered by the Watermaster.

   f. At a minimum, the following shall be reported to the Watermaster:
      i. Production
      ii. Meter test results
      iii. Section 28 submittals (if applicable)
      iv. Monthly Supplemental Water delivery and export
   g. There shall be no obligation or commitment by Watermaster for a proposed "Project's" success or failure.
   h. All extractions under this Agreement shall be for export purposes only and are not a primary water supply source to the exporter.
   i. Compliance with all provisions of Section 28 (new or increased production), as applicable.
   j. Watermaster shall control all spreading or injection and extraction scheduling and procedures for the storage and export of Supplemental Water.
   k. In an effort to facilitate Storage and Export agreements, Watermaster shall impose conditions to ensure that there will be no adverse impact to any other production source as a result of the agreement, and shall maintain continuing authority over such storage and export.
   l. Parties through Watermaster, shall maintain continuing ownership of all storage space in the Basin.
   m. Exporter shall be solely responsible for securing any and all permits and regulatory approvals necessary for the storage and export of Supplemental Water.
   n. All costs pursuant to this action shall be borne by the project proponent.

3. Supplemental Water Storage and Export Project Description
   (Specific to each project)
   a. The source of Supplemental Water shall be identified.
   b. The Supplemental Water supply reliability shall be addressed.
   c. The description of delivery location(s) (turnout) shall be identified.
   d. The proposed replenishment location(s) shall be identified.

e. The proposed extraction facilities and location(s) shall be described and the location identified.

f. The proposed extraction plan shall be identified.

g. A detailed description of project operation shall be provided.

h. Compliance with all regulatory and environmental requirements.

4. Agreement Provisions

a. Storage Requirement to store Supplemental Water in the Basin prior to export.

i. Watermaster shall determine the minimum balance which shall be in storage at all times.

ii. Watermaster shall determine the quantity of Supplemental Water deliveries which shall be deemed a contribution to the Basin.

iii. All water stored pursuant to a Storage and Export Agreement shall be subordinate in priority to other Supplemental Water pursuant to Section 26(d)(3), 26(d)(4), and 26(d)(5) of the Rules and Regulations.

iv. Watermaster may establish conditions regarding the export at such time the storage falls below the minimum balance.

v. Watermaster shall determine the minimum quantity of water to be maintained in storage before all export must cease.

vi. Watermaster shall determine a cost for the evaluation, negotiation, and implementation of a Storage and Export Agreement, and require a financial deposit in advance pursuant to Section 46(a).

vii. Watermaster shall calculate any special costs, damages or burdens resulting from the storage and export of Supplemental Water. Exporter shall be solely responsible for payment of any such damages, burdens and costs assessed by Watermaster.

viii. Watermaster shall determine and account for all losses in stored water.

b. Description of the Supplemental Water Supply

c. Supplemental Water Quality

i. The quality of the Supplemental Water shall be subject to Watermaster pre-approval.

ii. Watermaster may use the "Criteria for the Delivery of Supplemental Water" and the "Salt and Nutrient Management Plan" as a guide.

d. Basin Contribution for Export

i. Watermaster shall determine the amount of stored water that shall be contributed to the Basin.

ii. All contributed water shall be provided to the Basin at no cost to Watermaster or Parties to the Judgment.

e. Watermaster Assessment (Section 45(b)(6))

i. Exporter shall be assessed and shall pay to Watermaster applicable Administration assessment on all Production.

ii. Exporter shall be assessed and shall pay to Watermaster all other applicable assessments on all Production.

iii. Failure to promptly pay any assessment or fee may be cause for immediate termination of the Agreement.

f. Project Scheduling – Watermaster Notification

i. Term of agreement shall consider turn-over and abandonment of stored water.

ii. Exporter shall provide Watermaster with a schedule which identifies all planning, funding, design, permitting, and construction, and shall be updated on a regular basis. Project delay may be cause for termination.

iii. Exporter shall at minimum, annually provide Watermaster with an operations schedule identifying planned deliveries and extractions for Watermaster approval.

g. Replenishment Facilities Priorities

i. All storage agreements shall at all times consider priorities expressed in Section 26 of the Rules and Regulations.

ii. Priority for storage and export shall be pro-rated by the Watermaster at its discretion, as needed.

h. All Agreements shall address limitation on extraction based upon the Key Well elevation.

i. Reporting to Watermaster consistent with the Rules and Regulations.

j. Watermaster Continuing Authority

   i. Watermaster shall retain control of pumping for Basin water quality.

   ii. Agreement shall consider Basin cleanup plans and projects (which may be coordinated with EPA, WQA and other agencies).

   iii. Watermaster shall incur no liability.

k. Other Agreement (considerations).

   i. Project Modification, Reduction, or Termination by all parties to the Agreement

   ii. Disputes/Resolution

   iii. Agreement Term

   iv. Good Faith

   v. Watermaster to have, or shall be considered for, the first right of refusal to purchase Stored Water prior to such water being exported.

   vi. The storing and exporting parties agree to indemnify and hold Watermaster harmless from any and all claims resulting from the storage and export of Supplemental Water.

   vii. Force Majore

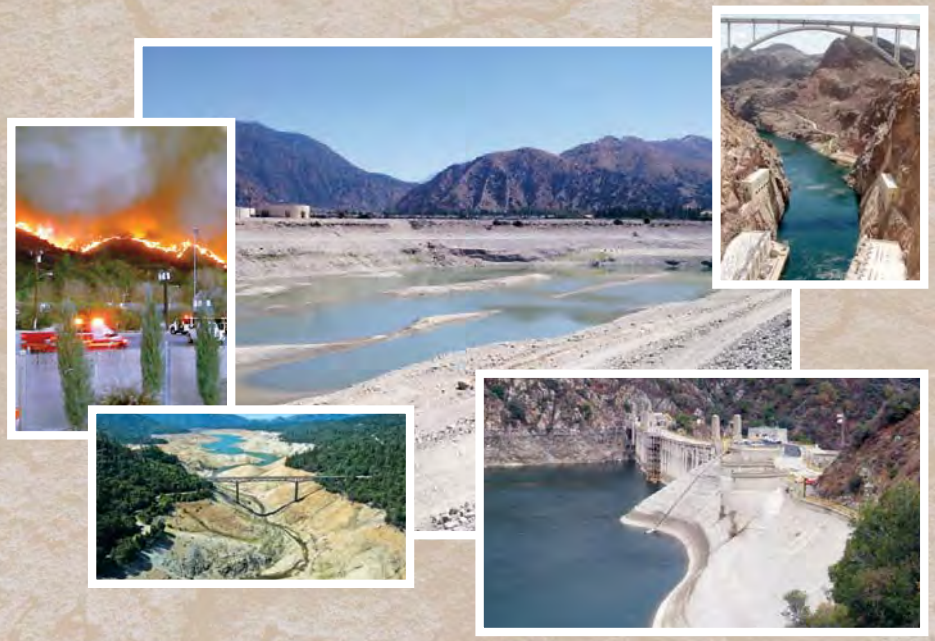
APPENDIX J

Main San Gabriel Basin Watermaster Five-Year Water Quality and Supply Plan

Five-Year
Water Quality and Supply Plan

MainSanGabrielBasin
WATERMASTER

2014–2015 to 2018–19



DRAFT

"To assure that pumping does not lead to further degradation of water quality in the Basin, a Five-Year Water Quality and Supply Plan must be prepared and updated annually by Watermaster…"

Section 28 of Watermaster's Rules and Regulations

Five-Year Water Quality and Supply Plan

November 2014

MainSanGabrielBasin
WATERMASTER

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www.watermaster.org

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INTRODUCTION

Watermaster prepares and annually updates this Five-Year Water Quality and Supply Plan (Five-Year Plan) in accordance with the requirements of Section 28 of its Rules and Regulations. The objective is to coordinate groundwater-related activities so that both water supply and water quality in the Main San Gabriel Basin (Basin) are protected and improved.

PURPOSE OF THE FIVE-YEAR PLAN

Many important issues are detailed in the Five-Year Plan, including Watermaster's plans to:

1. monitor groundwater supply and quality;
2. develop projections of future groundwater supply and quality;
3. ensure adequate supplemental water is available for groundwater replenishment;
4. review and cooperate on cleanup projects, and provide technical assistance to other agencies;
5. assure that pumping does not lead to further degradation of water quality in the Basin;
6. address emerging contaminants in the Basin;
7. develop a cleanup and water supply program consistent with the U.S. Environmental Protection Agency (USEPA) plans for its San Gabriel Basin Superfund sites; and
8. continue to perform responsibilities under the Baldwin Park Operable Unit (BPOU) Project Agreement relating to project administration and performance evaluation.

WATERMASTER BACKGROUND

The Los Angeles County Superior Court created the Main San Gabriel Basin Watermaster in 1973 to resolve water issues that had arisen among water users in the San Gabriel Valley. Watermaster's mission was to generally manage the water supply of the Main San Gabriel Groundwater Basin.

During the late 1970s and early 1980s, significant groundwater contamination was discovered in the Basin. The contamination was caused in part by past practices of local industries that had inappropriately disposed of industrial solvents, as well as by infiltration of nitrates from an earlier agricultural period. Cleanup efforts for industrial contamination were undertaken at the local, state, and federal levels.

WATERMASTER RECEIVES WATER QUALITY RESPONSIBILITIES

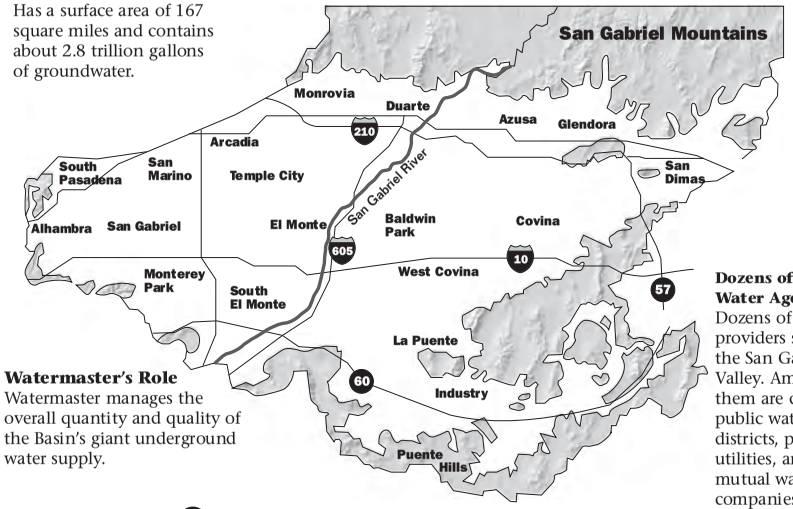
By 1989, local water agencies adopted a joint resolution concerning water quality issues, which stated that Watermaster should coordinate local activities aimed at preserving and restoring the quality of groundwater in the Basin. The joint resolution also called for a cleanup plan.

In 1991, the Los Angeles County Superior Court granted Watermaster the authority to control pumping for water quality purposes. Accordingly, Watermaster added Section 28 to its Rules and Regulations regarding water quality management. The new responsibilities included: developing this Five-Year Water Quality and Supply Plan; updating it annually, and submitting it to the California Regional Water Quality Control Board Los Angeles Region (Regional Board); and making it available for public review by November 1 of each year.

Figure 1. AREA COVERED BY MAIN SAN GABRIEL BASIN

Precious Underground Water Supply
Provides up to 90 billion gallons of groundwater annually, enough to meet 80 percent or more of San Gabriel Valley's 1.4 million residents' demand for water.

2.8 Trillion Gallons
Has a surface area of 167 square miles and contains about 2.8 trillion gallons of groundwater.



Watermaster's Role
Watermaster manages the overall quantity and quality of the Basin's giant underground water supply.

Dozens of Water Agencies
Dozens of water providers serve the San Gabriel Valley. Among them are cities, public water districts, private utilities, and mutual water companies.

CURRENT WATER SUPPLY CONDITIONS

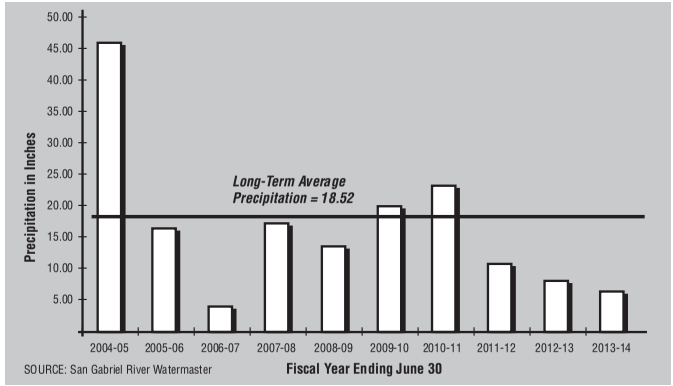
Rainfall in the San Gabriel Valley was well below average. As a result, replenishment of storm runoff was also below average. Consequently, the groundwater level decreased by about 15 feet during fiscal year 2013-14.

WATER SUPPLY INFLOWS DURING 2013-14

VALLEY RECEIVES BELOW-AVERAGE RAINFALL

In 2013-14, the San Gabriel Valley received about 6 inches of rain, which is about 32 percent of the long-term average of 18.52 inches.

Figure 2. BELOW AVERAGE RAINFALL DURING LAST TEN YEARS



Average precipitation in the Main San Gabriel Basin for the 10-year period from 2004-05 to 2013-14 was 16.4 inches. The long-term average rainfall is 18.52 inches. The rainfall total is made up of an average taken from four stations located in San Dimas, Diamond Bar, El Monte, and Pasadena.

LOCAL STORMWATER CAPTURE 19 PERCENT OF AVERAGE

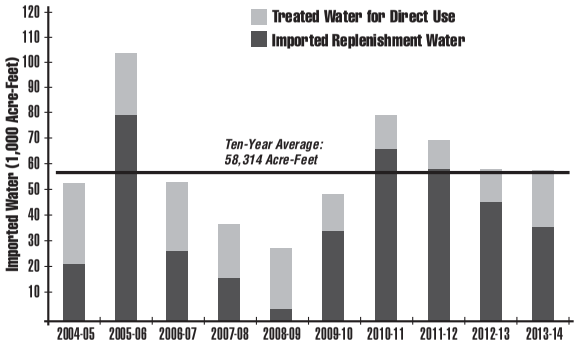
Fiscal year 2013-14 is the third year of below average rainfall following two consecutive years of above-average rainfall and runoff. During fiscal year 2013-14, rainfall was about 32 percent of average and contributed to stormwater capture of about 20,000 acre-feet, which is about 19 percent of average. In addition, as of June 30, 2014, only about 16,000 acre-feet of local storm runoff remained in storage in reservoirs in the San Gabriel Canyon. Typically, about 13,000 acre-feet is in the reservoir at the beginning of the storm season in October. That would leave only about 3,000 acre-feet of water for groundwater replenishment—representing a scant four-inch increase in groundwater elevation within the Basin.

LOCAL WATER USE BELOW AVERAGE

Total water use within the San Gabriel Valley consists of groundwater production, surface water diversions, treated imported water deliveries, and recycled water for irrigation projects. During fiscal year 2012-13, total water use was about 264,900 acre-feet. During fiscal year 2013-14, total water use was about 270,700 acre-feet, consisting of about 236,900 acre-feet of groundwater production, 6,600 acre-feet of treated local surface water, 22,200 acre-feet of treated imported water, and 5,000 acre-feet of recycled water. The increase in total water use from the prior year (about 6,000 acre-feet) is probably due to below-average rainfall in 2013-14, which likely increased water demands for irrigation. In contrast, total water use is about 3 percent lower than the 10-year average of about 278,000 acre-feet.

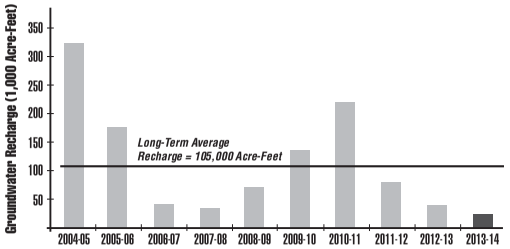
Main San Gabriel Basin Watermaster annually establishes an Operating Safe Yield (OSY), which is based on prevailing hydrologic conditions in the San Gabriel Valley. Production in excess of the OSY is subject to an assessment that is used to purchase untreated imported water to replenish the Basin. Overproduction during fiscal year 2013-14 was 40,100 acre-feet, which is about the 10-year average of 40,900 acre-feet.

Figure 3. IMPORTED WATER DELIVERIES ABOUT AVERAGE



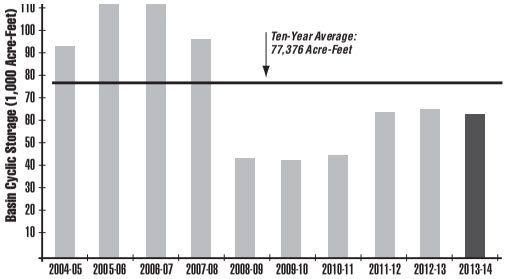
2013-14 Imported Water. Imported water deliveries (treated and untreated) totaled about 58,000 acre-feet for direct use and groundwater replenishment. This is about the 10-year average.

Figure 4. LOCAL WATER CONSERVED ABOUT 19% OF AVERAGE



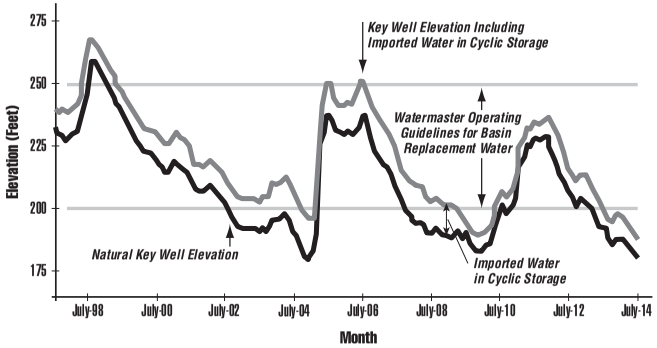
Approximately 20,000 acre-feet of local water was conserved during 2013-14, which is about 19 percent of the 41-year average of 105,000 acre feet.

Figure 5. CYCLIC STORAGE REMAINS STEADY



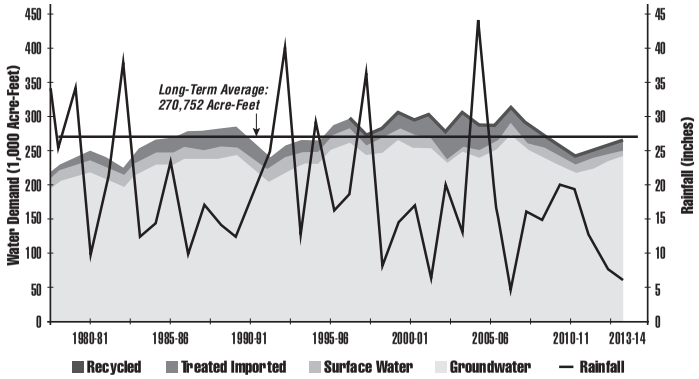
As of June 30, 2014, a total of about 61,400 acre-feet was in Cyclic Storage, consisting of about 14,900 acre-feet of Three Valleys Municipal Water District, about 6,600 acre-feet of San Gabriel Valley Municipal Water District, about 5,000 acre-feet of Upper San Gabriel Valley Municipal Water District, about 4,600 acre-feet of Watermaster, and about 30,300 acre-feet of Producer Cyclic Storage. Cyclic Storage, as of June 30, 2014, has decreased by about 4,000 acre-feet since fiscal year 2012-13. The most recent 10-year average is about 77,400 acre-feet.

Figure 6. CYCLIC STORAGE IMPACT ON KEY WELL



The additional water provided by cyclic storage helps local agencies meet their replacement water obligations, and benefits the region by helping to keep groundwater levels within the operating range.

FIGURE 7. TOTAL WATER DEMAND INCREASES SLIGHTLY



Long-term average water demand is about 278,000 acre-feet. During fiscal year 2013-14 the total demand was about 270,700, made up of groundwater (236,900 acre-feet), surface water (6,600 acre-feet), imported treated water (22,200 acre-feet), and recycled water (5,000 acre-feet).

OPERATING SAFE YIELD

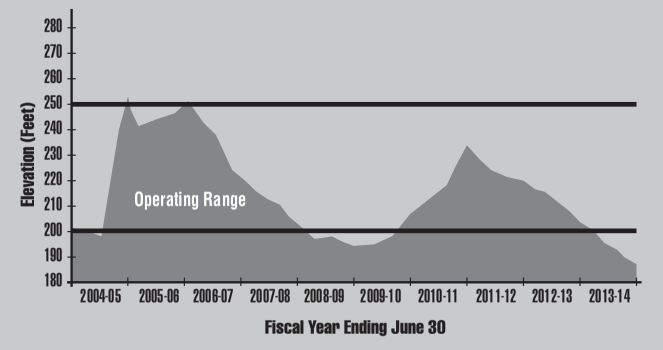
Main San Gabriel Basin Watermaster annually establishes an Operating Safe Yield (OSY), which is based on prevailing hydrologic conditions in the San Gabriel Valley. Production in excess of the OSY is subject to an assessment that is used to purchase untreated imported water to replenish the Basin. Overproduction during fiscal year 2013-14 was about 40,000 acre-feet, which is about the 10-year average of 40,900 acre-feet. The OSY was set at 180,000 AF for fiscal year 2013-14. The historical long-term average OSY is about 195,000 AF. During fiscal year 2013-14, the OSY was set using a management approach that seeks to set the OSY within a narrower range than previously. This is part of the overall effort to manage the Basin in a way that makes the water supply more stable and costs more predictable in both wet and dry years.

Watermaster aggressively responded to the decreasing trend of the groundwater level at the Key Well during fiscal year 2013-14 by establishing an OSY of 150,000 acre-feet for fiscal year 2014-15 (a 30,000 acre-foot decrease from fiscal year 2013-14) and will enable the Watermaster to deliver up to an additional 30,000 acre-feet of untreated imported water to purchase replenishment supplies for the Basin.

KEY WELL WITHIN OPERATING RANGE

The Baldwin Park Key Well is used as the benchmark for determining how the groundwater level for the entire Basin is trending. Pursuant to the Judgment, Watermaster manages the Basin to maintain the groundwater level at the Key Well between 200 feet and 250 feet to the extent possible. Below-average rainfall between fiscal years 2005-06 and 2008-09, coupled with below-average storm runoff, contributed to the Baldwin Park Key Well water level falling from about 248.4 feet in June 2005 to a historical low of 189.2 feet on December 3, 2009. Two consecutive years of above-average rainfall (20 inches during fiscal year 2009-10 and 24 inches during fiscal year 2010-11), along with delivery and replenishment of about 68,000 acre-feet of untreated imported water during fiscal year 2010-11, contributed to increase the groundwater elevation at the Key Well to about 233.5 feet as of June 30, 2011. However, three consecutive years of below-average rainfall and increased local production resulted in a decrease in the groundwater elevation at the Key Well to 187.8 feet as of June 30, 2014. This level is 15 feet lower than the year before, and represents a new historic low groundwater elevation at the Key Well.

Figure 8. KEY WELL ELEVATIONS DURING THE LAST TEN YEARS



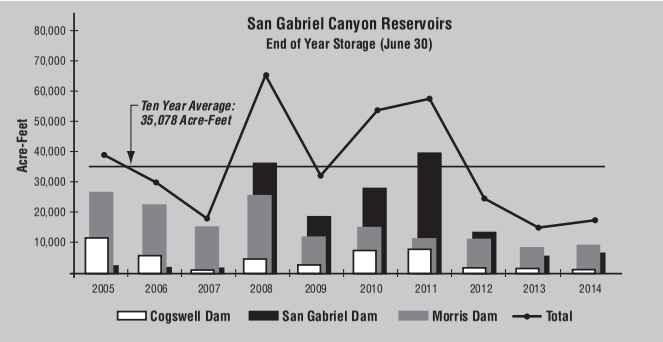
The groundwater elevation at the Key Well on June 30, 2014, was about 187.8 feet, which is below the Basin's operating range of 200 to 250 feet and represents a new historic low.

DECREASE IN WATER STORED IN CANYON RESERVOIRS

Cogswell, San Gabriel, and Morris reservoirs have a combined maximum storage capacity of about 85,000 acre-feet. At the end of the 2013-14 fiscal year, about 16,000 acre-feet of water was stored in these reservoirs. This is about the same as the previous year, and represents about 45 percent of the 10-year average of about 35,100 acre-feet of water in storage at the end of the fiscal year. In addition, about 20,000 acre-feet of local runoff was released from storage in local reservoirs for recharge into the groundwater basin during fiscal year 2013-14.

Figure 9. WATER STORED IN SAN GABRIEL CANYON RESERVOIRS

Total water stored in San Gabriel Canyon Reservoirs at the end of the fiscal year was 16,000 acre-feet, about 45 percent of the 10-year average.



BASIN REPLENISHMENT ACTIVITIES

Basin management practices continue to encourage producers to maximize groundwater production instead of relying on treated imported water to address water demands in excess of Producer's water rights. Under normal conditions, Watermaster quantifies groundwater production in excess of Producers' water rights, and arranges to have an equal amount of untreated imported water delivered to replenish the overproduction from the Basin at a "Full Service" untreated water rate. However, as a result of three consecutive years of below average precipitation, untreated imported water supplies have been significantly reduced. In an effort to manage the impact of reduced untreated imported water available for Basin replenishment, Watermaster is developing a program to temporarily shift water demand in excess of Producers' water rights to treated imported water to reduce the need for untreated imported water. In addition, Watermaster adopted Resolution No. 05-14-263, which established a Water Resource Development Assessment (RDA), which will be applied to all production during fiscal year 2014-15. The purpose of the RDA is to establish a fund from which untreated imported water may be purchased and delivered to the Basin. It is intended to create a "reservoir" of water that is available to manage the Basin in the event untreated water is not available in the future as a result of a short-term Statewide emergency.

Watermaster is actively pursuing alternative means of Basin replenishment including:

- encouraging reduced groundwater production through conservation efforts;
- securing alternative supplemental supplies and maximizing delivery of imported water from State Water Project contractors;
- pursuing a firm supply of advanced treated recycled water;
- implementing tighter coordination and management to allow replenishment of imported water even during rainy periods, and finding new opportunities to bring in imported water,
- instituting use of new, more flexible financial tools such as mid-year assessments, pre-purchase of water, and other tools to increase water imports, and;
- developing criteria for potential new water storage and export programs.

PROJECTED GROUNDWATER DEMANDS

PRODUCER ESTIMATES

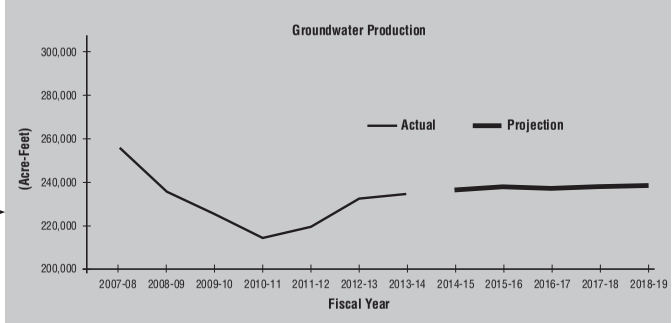
Section 28 requires each Producer to submit a report to Watermaster detailing its projected water supply and water production requirements over the following five years. Projections were received from 26 Producers, accounting for about 95 percent of the groundwater production from the Basin.

For those Producers who did not submit projections, Watermaster provided an estimate based on the assumption that each Producer had an aggregate projected growth rate that was the same as those Producers who did submit projections. Projected groundwater production is shown in Appendix A.

Figure 10 shows the total projected and historical groundwater production from the Basin since 2007-08.

Figure 10. PROJECTED AND HISTORICAL WATER PRODUCTION

Water production has increased over the prior year, due in part to below average rainfall.



Total groundwater production for the 2013-14 fiscal year from the Basin was 236,900 acre-feet, which is higher than the previous year's production of 233,300 acre-feet. The increase in groundwater production is due partially to below-average rainfall, increased irrigation demands, and below average surface water diversions to treatment plants. Groundwater production is influenced by a variety of conditions, including population, seasonal precipitation, groundwater contamination, and availability of surface water. Excluding the impacts of seasonal precipitation, groundwater production had been experiencing a gradual long-term increase, consistent with increasing population. The impacts of groundwater contamination during the 1980s and 1990s resulted in reduced groundwater production, offset by an equal increase of treated imported water purchases. Since the late 1990's groundwater production and treatment facilities have become operational, enabling water purveyors to resume use of groundwater.

CURRENT WATER QUALITY CONDITIONS

Groundwater delivered to customers continues to be of high quality and always meets state and federal drinking water standards. However, a number of contaminants in areas of the Basin require careful monitoring and treatment before the water is served for domestic use. These contaminants include a variety of industrial solvents referred to as Volatile Organic Compounds, or VOCs. Another common contaminant found in the Basin is nitrate, primarily from fertilizers used during the Valley's agricultural period.

Since 1997, additional contaminants have been detected: perchlorate, a solid rocket fuel ingredient; N-nitrosodimethylamine (NDMA), associated with liquid rocket fuel; 1,2,3-trichloropropane (1,2,3-TCP), a degreasing agent; and 1,4-dioxane, a stabilizer for chlorinated solvents.

In response to the detection of these contaminants, Watermaster and local water entities aggressively pursued construction of treatment facilities to control the spread of contaminants, and continue providing high quality water to consumers. This policy of remediation and reuse both preserves a valuable resource and reduces the overall cost of groundwater cleanup. Initially, a number of VOC treatment facilities were constructed, while excessive nitrate concentrations were blended with higher quality water to acceptable levels. Since the detection of perchlorate and NDMA, Watermaster has been instrumental in the successful operation of treatment facilities to treat VOCs, perchlorate, and NDMA.

While only present in limited parts of the Basin, these chemicals pose difficult challenges to water Producers. When the chemicals were initially detected, Watermaster responded vigorously by working closely with the local water community to sponsor research, as well as to design, fund, and construct cleanup projects as rapidly as possible rather than wait for the USEPA and the firms named as responsible for the contamination. Watermaster subsequently led negotiations that resulted in the Baldwin Park Operable Unit (BPOU) Project Agreement, including reimbursement for groundwater cleanup costs from certain parties responsible for the contamination. Under the BPOU Agreement, Watermaster is responsible for overall project coordination and administration, groundwater monitoring, and compliance with USEPA reporting requirements. Watermaster also participates in decisions regarding technology selection, construction, and operations. Now that all of the BPOU treatment facilities are operational, Watermaster also monitors the BPOU project's performance in containing and removing contamination.

PRIMARY CONTAMINANTS IN THE GROUNDWATER BASIN

VOLATILE ORGANIC COMPOUNDS AND NITRATES

VOCs and nitrates are the most prevalent contaminants found in the Basin. Intensive monitoring and research concerning these two types of contaminants have been underway for many years. The location and cleanup methods for VOCs are generally well understood; during fiscal year 2013-14, 30 plants treated about 26 billion gallons of VOC-contaminated water.

Note in Figure 11 that although VOC contamination is substantial, it is centered in just a few areas, leaving a large portion of the Basin unaffected. Water containing nitrates above the Maximum Contaminant Level (MCL) is either blended with other sources or not used. Figure 12 indicates that nitrates, similar to VOCs, are centered in a few areas and have the highest concentrations in the eastern portion of the Basin away from the most productive pumping areas.

PERCHLORATE

In January 2002, the State Water Resources Control Board, Division of Drinking Water (DDW) formerly the California Department of Public Health (CDPH), and prior to that the California Department of Health Services, lowered the Notification Level (NL) for perchlorate from 18 to 4 parts per billion, and a total of 22 wells were removed from service due to unacceptable levels of perchlorate. DDW subsequently raised the NL to 6 parts per billion in March 2004 and later established an MCL of 6 parts per billion during October 2007. Watermaster played a key role in development of the first treatment facility to remove perchlorate from drinking water. Ion-exchange technology treatment facilities are now operational at five sites in the BPOU and at two facilities in other parts of the Basin.

NDMA

During 1998, eight local wells were found to contain levels of NDMA above the NL at that time of 2 parts per trillion. Five of the wells with measurable levels of NDMA had already been taken out of service for other reasons, and the other three were put on inactive status once NDMA was detected. DDW subsequently raised the NL to 10 parts per trillion. As with perchlorate, Watermaster played a key role in the construction of NDMA treatment facilities in the BPOU area of the Basin. Five facilities were operational during fiscal year 2013-14.

Figure 11. VOLATILE ORGANIC COMPOUND LEVELS IN GROUNDWATER THROUGHOUT THE BASIN

Extensive cleanup programs are underway in the areas affected by VOC contamination. Because the main plumes of contamination are centered in just a few areas, much of the Basin remains unaffected.

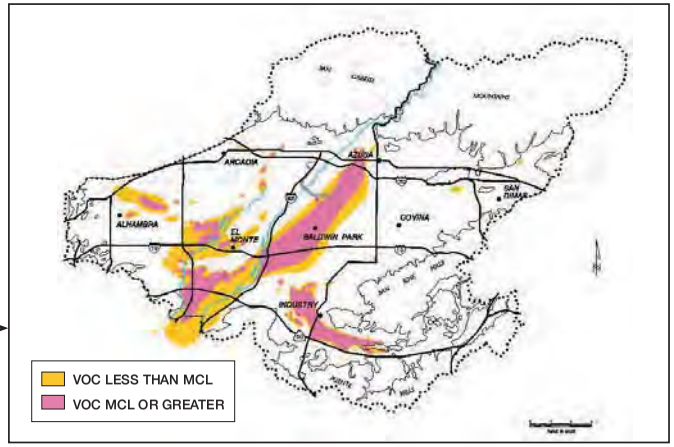
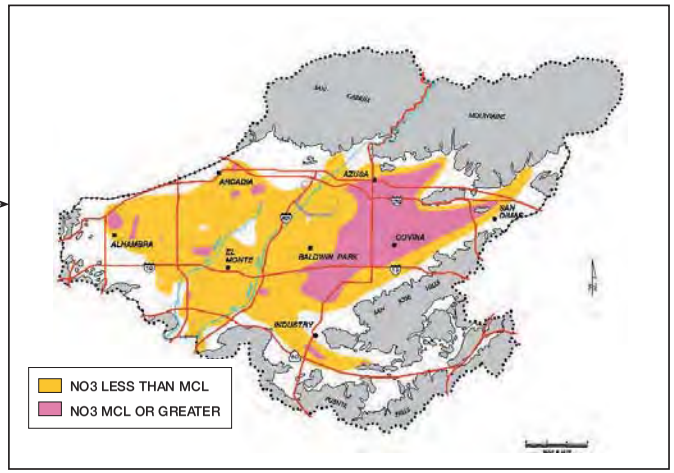


Figure 12. NITRATE LEVELS IN GROUNDWATER THROUGHOUT THE BASIN

Nitrate (NO3) contamination is highest in the eastern portion of the Basin, away from the San Gabriel River, the area of most intensive groundwater pumping.



1,2,3-TRICHLOROPROPANE (1,2,3-TCP)

The compound 1,2,3-trichloropropane is a degreasing agent that has been detected in the groundwater above the NL of 5 parts per trillion, primarily in the BPOU and the Area 3 OU. It was detected in the BPOU during the winter of 2006, and its presence delayed use of one treatment facility for potable purposes. Following detection, DDW indicated the appropriate treatment technology is liquid phase granular activated carbon. Subsequently, Watermaster, in cooperation with its BPOU project partners, worked to construct treatment facilities to remove 1,2,3-TCP from the groundwater to make it suitable for potable uses. The facilities were operational during fiscal year 2013-14.

HEXAVALENT CHROMIUM (CR6)

Cr 6 is a naturally occurring substance that has been detected in drinking water wells throughout the Basin. Historically, it was included in the analystical test results for Total Chromium, which has an MCL of 50 parts per billion. Effective July 1, 2014, DDW established a new MCL (exclusively for Cr6) of 10 parts per billion. In addition to being a naturally occurring substance, Cr6 is also associated with industrial sources of contamination, such as metal plating. Watermaster is coordinating with regulators to identify Basinwide Cr6 concentrations in an effort to establish a background water quality.

WELLS ASSESSED FOR VULNERABILITY TO CONTAMINATION

One of the primary purposes of the Five-Year Plan is to identify wells in the Basin that are vulnerable to contamination. A well is considered vulnerable if the concentration of contaminants has ever reached 50 percent of the NL or MCL allowed by state drinking water regulations. Watermaster reviews water quality tests performed on each well, regional water quality conditions, and contaminant migration patterns in an effort to project which wells may be vulnerable over the next five years, and prepare plans to construct treatment facilities, as needed. (See Figures 16a, 16b and 16c in Appendix F).

WATER QUALITY PROTECTION PLAN

Watermaster maintains a Water Quality Protection Plan that provides an early warning to Producers of potential increases in contaminant levels. The Water Quality Protection Plan also provides suggested alternative sources of supply, and proposes long-term actions to solve the contamination problem(s) without contributing to the migration of contaminants in the Basin.

FIVE-YEAR WATER QUALITY AND SUPPLY PLAN

The Main San Gabriel Basin's designation as a federal Superfund site was prompted by the discovery of widespread VOC contamination. Cleanup plans were developed to contain and remove VOCs from groundwater, and Watermaster, along with various other local water agencies, water Producers and regulators, have worked to develop the expertise, financing and treatment technologies to effectively address Basinwide cleanup of VOCs.

Watermaster facilitates groundwater cleanup projects that also meet water supply needs.

The discovery of perchlorate and NDMA, however, complicated the existing VOC cleanup approach by creating a number of challenges. Most important, these new contaminants could not be removed using existing treatment facilities, and new, additional treatment methods had to be identified, financed, and implemented.

This report outlines a combined cleanup and water supply plan for each of the USEPA Operable Units. Watermaster's plan for each area is consistent with the USEPA plans, and its goal is to implement cleanup as promptly as possible, with or without the cooperation of the Responsible Parties.

GROUNDWATER MONITORING PROGRAMS

Monitoring involves measuring groundwater levels, groundwater quality, and groundwater flow. Watermaster continuously refines its understanding of the groundwater Basin to better define the safe yield of the Basin, and to protect and improve local water quality.

GROUNDWATER ELEVATION MONITORING

CONTINUE KEY WELL AND SUPPLEMENTAL KEY WELL OPERATION AND DATA PROCESSING

The entire 167-square-mile groundwater Basin is managed as one unit based on the groundwater levels as measured at a single Key Well in Baldwin Park. Water levels have been measured at this well since 1903 and are currently measured every three hours by an automated recorder.

Additional groundwater level recorders have been installed near the Santa Fe Spreading Grounds; adjacent to the San Gabriel River above the I-210 Freeway; in the City of Rosemead; in the City of Covina; and near the Whittier Narrows Dam. These water level records are synchronized with the record in the Key Well. Collectively, water level data from these wells provides a better understanding of impacts of recharge operations at the Santa Fe Spreading Grounds on Basin hydrogeology. Water elevation data are collected semi-annually at about 170 additional wells throughout the Basin, and water level recorders may be installed in some of those wells over the next five years.

CONTINUE BASINWIDE GROUNDWATER ELEVATION MONITORING PROGRAM (BGWEMP)

The purpose of the BGWEMP is to obtain groundwater level measurements from a large number of wells across the Basin. The information is used to prepare groundwater contour maps showing the direction of groundwater flow. The data are also used in the Basin computer model to simulate future groundwater flow patterns.
The BGWEMP plan for the coming years includes:

- taking weekly measurements of water levels in 9 of the 170 primary wells;
- gathering semi-annual measurements of water levels at all 170 of the primary wells;
- obtaining water levels in secondary wells from well owners or water Producers, the San Gabriel Valley Protective Association, Regional Board, USEPA, and others;
- updating the database with water level data;
- preparing semi-annual groundwater contour maps of the entire Basin; and
- participating in the California Statewide Groundwater Elevation Monitoring (CASGEM) program.

GROUNDWATER QUALITY MONITORING

CONTINUE BASINWIDE GROUNDWATER QUALITY MONITORING PROGRAM (BGWQMP)

Under the BGWQMP, all production wells in the Basin are sampled at least once a year for VOCs, nitrates, and Total Dissolved Solids (TDS). The frequency of BGWQMP sampling complements the monitoring requirements under state law, and supplements information gathered through Regional Water Quality Control Board source investigations, and USEPA remedial investigations. The data collected by BGWQMP are used to identify and evaluate the current locations and magnitude of contaminant levels, along with the effectiveness of the cleanup project.

CONTINUE TITLE 22 WATER QUALITY TESTING

Watermaster continues to perform DDW-mandated Title 22 water quality sampling of groundwater from approximately 200 active wells in the Basin. Watermaster also continues to track regulations and inform local water purveyors about regulatory issues and requirements. Information from centralized water quality testing is added to Watermaster's water quality database, which contains data from many sources. The centralized testing enables Watermaster to identify water quality trends on a regional scale that might otherwise go unnoticed at a specific well, and also lowers monitoring costs to Producers.

GROUNDWATER FLOW AND CONTAMINANT MIGRATION STUDIES

Groundwater level and quality data are entered into the Basin computer model, which simulates where contamination is projected to flow in the future. The goal is to project contaminant levels by areas in advance of the actual event, and identify remedial steps to be taken. The Basin computer model has been used to identify the area of contamination that may be captured (capture zone) under various groundwater pumping scenarios. The capture zone is also able to show the length of time it may take contamination to flow toward a well, and subsequently be treated for contaminant removal prior to use as a drinking water supply.

GROUNDWATER ELEVATION SIMULATIONS SHOW FUTURE PUMPING WILL NOT SIGNIFICANTLY CHANGE GROUNDWATER MOVEMENT

To determine the direction of groundwater flow through the Basin, Watermaster compiles the daily average 2013-14 production for each well, enters the data into the groundwater model, and simulates how production impacts water levels throughout the Basin. A computer simulation is then run using estimated production for 2018-19, assuming all other water supply variables (i.e. local water recharge, imported water recharge, subsurface inflow/outflow) do not change. These simulations indicate the

estimated increase in groundwater production, based on projections by producers, as of fiscal year 2018-19 will not significantly change the overall direction of Basin groundwater movement, which continues to flow generally from east to west to a pumping trough in the western portion of the Basin, and also northeast to southwest, exiting through Whittier Narrows. The simulation for 2018-19 also shows localized pumping depressions in the Baldwin Park area, which are expected to be created by continuous pumping from groundwater extraction wells associated with the BPOU contaminant cleanup project to contain and control groundwater contaminant movement. Contaminated groundwater from those wells is treated at several treatment facilities and the DDW-permitted water is provided for potable use.

Simulations of the direction of groundwater flow in 2013-14 and projections for 2018-19 show that the estimated increase in groundwater pumping during this period would not significantly change the overall direction of Basin groundwater movement.

SIMULATE IMPACTS OF GROUNDWATER PUMPING ON CONTAMINANT MIGRATION

Simulations similar to the ones described above were used to make the finding that pumping from USEPA mandated cleanup projects as managed by Watermaster helps to control and contain contaminant migration. Groundwater quality data collected during 2013-14 and projected quality data for 2018-19 were entered into the groundwater model for the contamination migration studies. The computer model is used to simulate how the flow of water would affect the migration of contamination. The simulation showed that changes in groundwater flow did not have major impacts on the migration of contaminants (refer to Figures 17 and 18 in Appendix G).

GROUNDWATER CLEANUP PROJECTS

Watermaster coordinates and provides technical assistance on many cleanup projects in the Basin, although the cleanup facilities are owned and operated by local water utilities. Watermaster's involvement includes coordinating proposed USEPA cleanup programs to ensure, to the extent feasible, that treated water is put to beneficial use within the Basin, and that projects are consistent with the Judgment.

REVIEW OF SECTION 28 APPLICATIONS

Watermaster reviews every proposal to construct, destroy, or modify a well, or build a treatment plant pursuant to Section 28 of its Rules and Regulations.

Watermaster's review ensures that any new or increased extractions from the Basin or any changes in production patterns are consistent with contamination cleanup efforts, and will not adversely affect Basin water quality. In conjunction with the evaluation of an application to construct a new well or a treatment facility, Watermaster uses a computer model to predict the potential future impacts of each project on contaminant migration and Basin cleanup.

BASIN CLEANUP PROJECTS/USEPA OPERABLE UNIT PLANS

The USEPA established Operable Units for the various areas within the Basin that have been contaminated and require groundwater cleanup. The Operable Units are Area 3 (Alhambra area), Baldwin Park, El Monte, Puente Valley, South El Monte, and Whittier Narrows (See Figure 13). USEPA has established a methodical process that includes a review of the extent of contamination (Remedial Investigation), development of cleanup alternatives (Feasibility Study), and selection of the most appropriate cleanup plan (Proposed Plan). Following these activities, the USEPA issues a report identifying the agreed-upon Cleanup Plan (Record of Decision). Subsequently, the project facilities are designed and constructed.

With USEPA plans generally in place, Watermaster is working with others to ensure cleanup plans also address local water supply needs.

The USEPA has identified cleanup plans for nearly all the Operable Units. Unlike the USEPA, Watermaster is not only concerned with cleaning up the Basin, but also wants to ensure that the water supply needs of the region are met. With USEPA plans generally in place, Watermaster continues to work with affected Producers, Responsible Parties, and others to implement solutions that not only provide effective cleanup and conform to the USEPA plans, but also meet local water supply needs.

This Five-Year Plan describes each of the Operable Units along with the USEPA proposed cleanup plan. In addition, Appendix A identifies current and projected groundwater production to address the contamination and to implement the cleanup plans. In areas where the groundwater supply has been affected by contamination, Watermaster works with affected Producers and other local water agencies to implement cleanup as quickly as possible, with or without the cooperation of the Responsible Parties. Watermaster and affected Producers continue to seek cost recovery from the Responsible Parties for any cleanup costs they incur.

BALDWIN PARK OPERABLE UNIT (BPOU)

The BPOU is a seven-mile-long, one-mile-wide area of groundwater contamination that lies east of the San Gabriel River, stretching from an area north of the I-210 freeway in Azusa to south of the I-10 freeway in Baldwin Park (see Figure 13). The contamination primarily has been the result of improper use and disposal of industrial chemicals in the Azusa area, and it continues to spread generally in a southwesterly direction.

The USEPA originally issued its Record of Decision (ROD), or cleanup plan, for the BPOU in the mid-1990s. The ROD calls for pumping and treating groundwater in the northern area, where contaminant concentrations are highest, and also in the southern area to limit further migration of contaminants. The ROD involves pumping and treating an average of about 7,000 gallons per minute in the northern area and 16,000 gallons per minute in the southern area. The ROD also recommends the use of existing water supply wells, treatment systems, and pipelines when feasible. Importantly, the plan encourages adding the treated water to the potable supply, rather than simply recharging it back into the ground or discharging it to storm drains.

Figure 13. LOCATION MAP OF USEPA OPERABLE UNITS

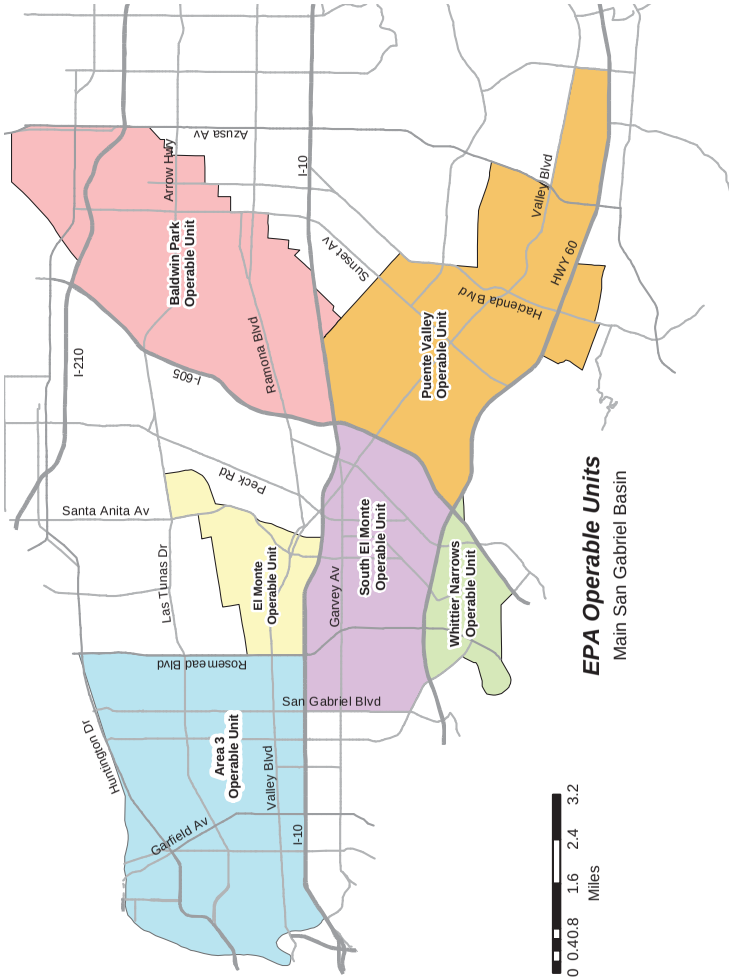


Figure 14. VOC PLUME MAP IN BPOU

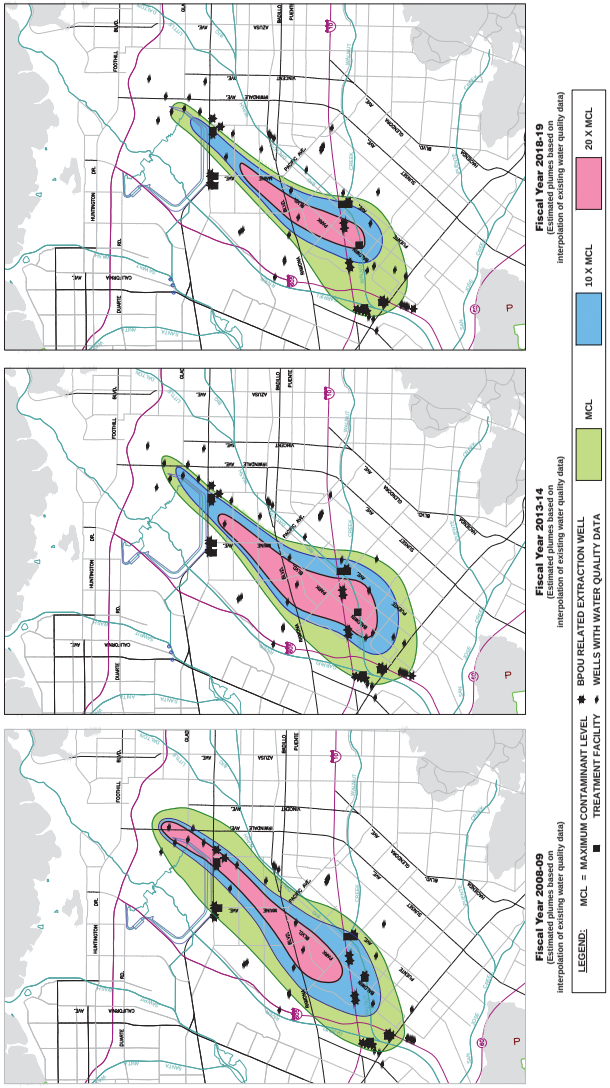
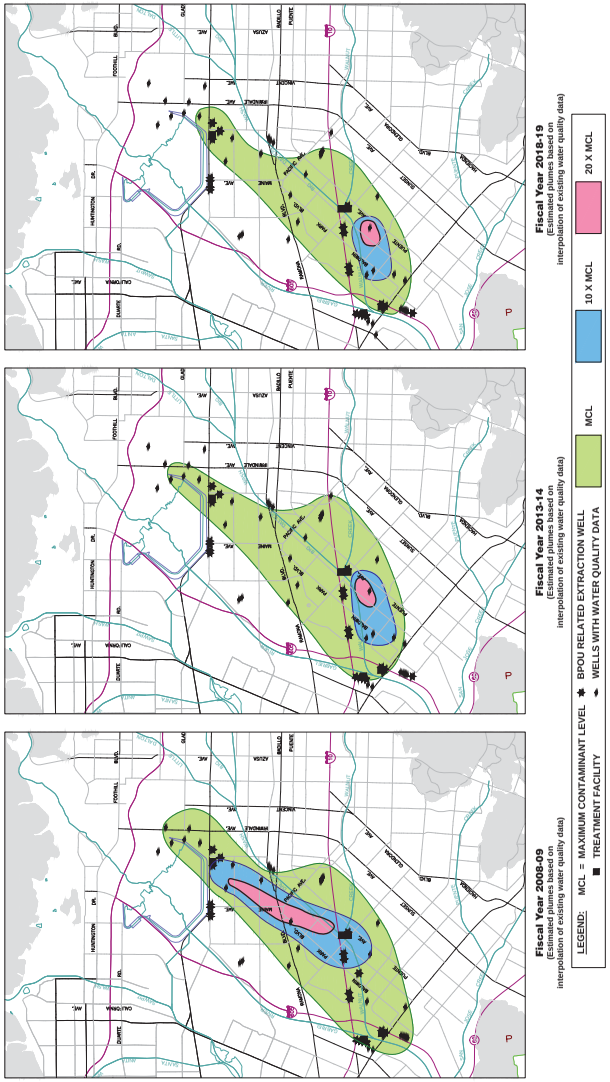


Figure 15. PERCHLORATE PLUME MAP IN BPOU



The discovery of perchlorate and NDMA during the late 1990s resulted in the shutdown of numerous treatment facilities, including the La Puente Valley County Water District (LPVCWD) Plant and San Gabriel Valley Water Company (SGVWC) Plant B6 that were designed by local water agencies to remove VOCs but not the new contaminants. Shutting down the VOC treatment plants allowed contaminants to migrate southward into previously unaffected areas, in turn forcing the shutdown of other water supply wells.

In 2002, after several years of negotiation led by Watermaster, eight of the BPOU Responsible Parties (called Cooperating Respondents, or CRs) and seven water entities signed the BPOU Project Agreement. Under this landmark agreement, Watermaster continues to provide overall project management and project coordination services. The CRs have paid the cost to construct, and will continue to provide funding to operate, the USEPA-required BPOU cleanup facilities for a total of about 15 years. Several water purveyors own and operate the facilities, and they use the highly treated water in their water systems. The San Gabriel Basin Water Quality Authority (WQA) has also obtained outside funds to help construct necessary BPOU treatment facilities, extraction wells, and pipelines.

The BPOU Project consists of four centralized treatment facilities with a combined extraction and treatment capacity of up to 25,900 gpm. Those treatment facilities are located at Valley County Water District's Lante Plant (7,800 gpm), San Gabriel Valley Water Company's Plant B6 (7,800 gpm) and Plant B5 (7,800 gpm), and La Puente Valley County Water District's (LPVCWD) site (2,500 gpm). The location of these treatment facilities is shown on Figures 14 and 15.

VALLEY COUNTY WATER DISTRICT (VCWD) PROJECT

In the northerly portion of the BPOU, the VCWD Project consists of three extraction wells, including two wells, pumping up to 7,800 gpm (average annual rate of 7,000 gpm) to a centralized treatment facility at the VCWD Lante Plant. The VCWD Project consists of separate facilities to treat VOCs, 1,2,3-TCP, perchlorate, NDMA, and 1,4-dioxane. In addition, a treated-water pipeline provides up to 6,000 gpm of fully treated water to Suburban Water Systems (SWS) to offset production lost due to contamination of some of its wells; VCWD can use the remaining portion of the treated water. The VCWD Project began operation for contamination cleanup in 2006 and received its DDW operating permit in July 2007 to provide potable water to customers. Since operation began in 2006, the VCWD treatment facility has treated about 58,000 acre-feet and has removed about 39,100 pounds of contaminants.

VCWD and its BPOU partners are coordinating the construction of a new single-pass, ion-exchange facility that will remove perchlorate more cost effectively. Construction of the new system is complete, but start-up has been pushed back while the parties determine the most cost-effective way to address high nitrate concentrations. Meanwhile, the existing VCWD treatment facility continues to provide treated water for municipal use.

LPVCWD PROJECT

The LPVCWD consists of three existing production wells. Well-pumping capacity is limited to 2,500 gpm to equal the capacity of the treatment facility. The LPVCWD project consists of separate facilities to treat VOCs, perchlorate, NDMA, and 1,4-dioxane. The LPVCWD project is permitted by DDW and has been operating since March 2001. Treated water in excess of LPVCWD's needs is provided to SWS to enable the treatment facility to be operated on a continuous basis. Since operation began, the LPVCWD treatment facility has treated about 57,700 acre-feet (including prior operations with only VOC treatment) and removed about 10,800 pounds of contaminants.

SGVWC B6 PROJECT

The SGVWC B6 project is permitted by DDW and has been operational since July 2005. The B6 project consists of four extraction wells and a centralized treatment facility that treats up to 7,800 gpm (average annual rate of 7,000 gpm). The facility treats the contaminated groundwater for VOCs, perchlorate, NDMA, and 1,4-dioxane. The treated water is provided to SGVWC customers. Since operation began, the SGVWC B6 treatment facility has treated about 91,500 acre-feet, (including prior operations with only VOC treatment), and removed about 16,600 pounds of contaminants.

The BPOU project partners are coordinating the construction of a new single pass ion-exchange facility, similar to the ones at the LPVCWD Project and the VCWD Project. Treatment facility operational testing, DDW permitting and full-scale operation for municipal use is anticipated to occur during the fall of fiscal year 2014-15.

SGVWC B5 PROJECT

The SGVWC B5 Project consists of one extraction well and two existing wells that provide up to 7,800 gpm (average annual rate of 7,000 gpm) to a centralized treatment facility located at the SGVWC B5 site. The treatment facility treats the contaminated water for VOCs, perchlorate, NDMA, and 1,4-dioxane. The treated water is provided to City of Industry customers (1,200 gpm) and the balance (6,600 gpm) is provided to SGVWC customers. The SGVWC B5 Project was permitted by DDW in fiscal year 2007-08. Since operation began in 2007, the SGVWC B5 treatment facility has treated about 76,800 acre-feet and has removed about 3,300 pounds of contaminants.

PURVEYOR PROJECTS

In addition to the USEPA-required BPOU facilities, several water purveyors have built treatment facilities at other wells within the BPOU area to meet water supply needs until the USEPA remedy prevents the continued spread of contamination. California Domestic Water Company (CDWC) has constructed facilities at its well field to remove VOCs, perchlorate, and NDMA. Similarly, Watermaster has issued permits under Section 28 of its Rules and Regulations to SWS to construct new wells that also are being used to blend with wells impacted by contaminants. These activities reduce reliance on expensive imported water, and contribute to contaminant removal.

BPOU CLEANUP PROGRESS

Watermaster regularly reviews water quality data to evaluate the impact the production wells and specially-constructed extraction wells have on control of contamination migration. It is difficult to develop a precise picture of the geographic extent of contamination because water quality is obtained from numerous wells that produce water from different depths below the groundwater table. Figure 14 shows the approximate geographic extent of VOC contamination and operating VOC treatment facilities from about five years ago and from current data. In addition, the anticipated treatment facilities and the approximate geographic extent of VOC contamination, using engineering judgment, for five years into the future is also shown on Figure 14. The 2013-14 plume indicates that treatment facilities are controlling plume movement. Watermaster anticipates the area of the VOC plume will continue to decrease, as shown on the 2018-19 plume. Similarly, Figure 15 shows the approximate geographic extent of perchlorate. The series of three plume characterizations indicate that plume movement is expected to be controlled and, similar to VOCs, continue to decrease in the future (2018-19).

The term of the BPOU Project Agreement is 15 years and extends through 2017. Watermaster will continue to coordinate BPOU cleanup activities among the various parties to the BPOU Project Agreement through at least 2017 (which is the expiration of the initial BPOU Agreement), including negotiation of an extension to the BPOU Project Agreement, interfacing with USEPA, overseeing agreements between water purveyors to use the treated water, and providing accounting services to track BPOU Project costs and funds received. With all of the BPOU facilities now operational, Watermaster is also coordinating collection of field data, such as water production, water quality and water levels, and is providing BPOU Project performance reports to USEPA in cooperation with the CRs.

The projects will ensure that there is an adequate water supply for the BPOU area. These projects are consistent with the USEPA ROD, meet contaminant removal and containment requirements, and meet local water supply needs.

SOUTH EL MONTE OPERABLE UNIT (SEMOU)

The SEMOU covers approximately eight square miles in the south-central portion of the Basin. It is bounded by the I-10 Freeway, the 60 Freeway, the I-605 Freeway, and San Gabriel Boulevard (See Figure 13). A ROD for the SEMOU was issued in 2000, addressing VOC contamination in a limited area. Subsequently, additional water supply wells became contaminated, and new contaminants, including perchlorate, were detected in wells in the SEMOU area. In November 2005, USEPA revisited its ROD and issued an Explanation of Significant Differences (ESD) indicating that SEMOU cleanup projects would also address treatment of perchlorate. Because a perchlorate source has not yet been identified in that area, the Responsible Parties (RPs) objected to a requirement to pay for perchlorate treatment, and negotiations for the RPs to fund SEMOU groundwater cleanup activities have been moving slowly.

In the meantime, area water purveyors who were impacted by contaminant migration and new perchlorate detections were forced to construct new or additional treatment facilities to maintain safe, reliable water supplies. The City of Monterey Park, San Gabriel Valley Water Company, and Golden State Water Company (GSWC) have all constructed new or additional treatment facilities within SEMOU. The San Gabriel Basin Water Quality Authority (WQA) has assisted these Producers by providing outside funding to help offset project costs.

MONTEREY PARK PROJECT

Monterey Park constructed a water treatment facility at its Delta Plant to treat VOCs and perchlorate. Monterey Park Well No. 9 (which only had detectable concentrations of VOCs) began operating through the VOC treatment facility in April 2002. Following construction and permitting of the perchlorate treatment facility, Monterey Park Well No. 12 began operation in spring 2005. Monterey Park began operation of Well No. 15 in summer 2006. Production is from Monterey Park Wells No. 12 and No. 15 to operate consistent with the SEMOU ROD. Watermaster and Monterey Park maintain data on water quality in monitoring wells located up gradient of Wells No. 9, 12, and 15. Since the treatment facility began operation, over 56,100 acre-feet of water has been treated and about 9,100 pounds of contaminants removed from the groundwater.

SAN GABRIEL VALLEY WATER COMPANY (SGVWC) PLANT 8 PROJECT

SGVWC Plant 8 VOC Treatment Facility has a capacity of 5,000 gpm and has been in operation since fiscal year 2001-02. In response to increasing VOC concentrations, SGVWC voluntarily constructed supplemental VOC treatment at Plant 8. The supplemental VOC treatment facility was permitted by CDPH in September 2006 and went online in December 2006. Since the original VOC treatment facility operation, over 34,300 acre-feet of water has been treated and about 4,100 pounds of contaminants have been removed from the groundwater.

GOLDEN STATE WATER COMPANY (GSWC) PROJECT

GSWC VOC treatment facility at San Gabriel Wells No. 1 and 2 had been permitted and operating. However, with the establishment of the revised Perchlorate NL in 2002, GSWC voluntarily removed the wells from operation. Subsequently, GSWC installed an ion exchange system to remove perchlorate and has resumed operation at its San Gabriel Well No. 1. The treatment facility has treated about 14,200 acre-feet of water and removed about 470 pounds of contaminants.

EL MONTE OPERABLE UNIT (EMOU)

The EMOU covers an area of about 10 square miles in the south-central portion of the Basin. It is bounded by the I-10 Freeway on the south, Rosemead Boulevard on the west, and Santa Anita Avenue and Rio Hondo on the east. The northern boundary generally follows Lower Azusa Road (see Figure 13). While shallow contamination is found throughout the EMOU, deep (intermediate zone) contamination is found in the northwest and easterly area of the EMOU.

The USEPA's ROD for the EMOU includes numerous small, shallow extraction wells and treatment, along with two areas of deep extraction and treatment. Due to generally poor water quality in the area, the shallow groundwater will not be used for a potable supply. The deep extractions are recommended for potable use by local water purveyors. The remediation efforts are separated into "Westside" and "Eastside" activities.

EMOU WESTSIDE PROJECTS

On the Westside, there are plans to clean up contaminants occurring in the shallow aquifer. The shallow zone water is treated for VOCs, discharged to an adjacent channel and the fully treated water is infiltrated back into the Basin. The treatment facility has treated about 150 acre-feet and removed about seven pounds of contaminants. The deep-zone extraction and treatment in the northwest area is being accomplished by the existing Encinita Wellfield and Treatment Facility owned by GSWC, which began operation during 1998. During July 2002, USEPA issued an Explanation of Significant Differences (ESD), which indicated that perchlorate, NDMA, 1,4-dioxane, and hexavalent chromium had been detected in excess of DDW notification levels. In the event water from extraction wells cannot be blended to acceptable levels, additional treatment facilities will need to be installed, significantly increasing cleanup costs. Thus far, extraction and treatment of VOCs at GSWC Encinita Plant have not been impacted. The GSWC treatment facility has treated about 21,300 acre-feet of water and has removed about 490 pounds of contaminants.

EMOU EASTSIDE PROJECTS

The remediation on the Eastside will also involve cleanup of contaminants in the shallow aquifer. Final disposition of the water has not yet been determined and is still being coordinated by Watermaster. The VOC contamination in the deep aquifer is

anticipated to be produced from three wells and the fully treated water will be provided to the City of El Monte. Watermaster will continue to assist with data collection and permitting of facilities over the next five years.

PUENTE VALLEY OPERABLE UNIT (PVOU)

The PVOU lies in the southeastern portion of the Basin, essentially bounded by the 60 Freeway on the south, Azusa Avenue on the east, and the I-10 Freeway on the north (see Figure 13). The PVOU encompasses the Puente Valley, which is tributary to the southeasterly portion of the Basin. Contamination in the PVOU includes various VOCs. All aquifers within the PVOU (shallow, intermediate, and deep) are considered sources for municipal water supplies. The USEPA has issued a ROD for the PVOU. The plan identified in the ROD includes extraction and treatment of groundwater within the shallow and intermediate zones from wells located in the center of the PVOU.

PVOU SHALLOW-ZONE PROJECT

The cleanup plan for shallow-zone contamination includes nine wells that will collectively produce about 1,000 gpm. Due to the poor quality of shallow-zone water (which is high in naturally-occurring dissolved solids), the water will not be used as drinking water, but will instead be treated to remove VOCs and will then be recharged back into the Basin. Watermaster is currently working with USEPA and the Responsible Party to develop an agreement to allow production and discharge of the PVOU shallow-zone water. The shallow-zone project is currently anticipated to be operational during fiscal year 2015-16.

PVOU INTERMEDIATE ZONE

Watermaster is working with USEPA, Responsible Parties, and local water entities to develop a cleanup solution that meets potable water supply needs. Approximately 1,000 gpm will be produced from the intermediate zone extraction wells, treated and used for potable purposes by a local water purveyor. The intermediate zone project is currently anticipated to be operational during fiscal year 2016-17.

WHITTIER NARROWS OPERABLE UNIT (WNOU)

The USEPA declared the WNOU is a "fund-lead" project, meaning that the USEPA (with the state) has funded the design, construction, and operation of the remedy, and will seek cost recovery from Responsible Parties later. The USEPA cleanup plan involves a series of shallow and intermediate zone extraction wells with treatment (see Figure 13). As of May 2013, the responsibility for the WNOU was transferred from USEPA to the California Department of Toxic Substances Control (DTSC). Furthermore, the WNOU Shallow Zone Project (as described below) ceased operation during 2013 due to improved water quality.

WNOU SHALLOW ZONE PROJECT

During fiscal year 2002-03, NDMA was detected in some of the shallow extraction wells, prolonging the testing and review process for the shallow zone water through June 2007. Studies indicated the shallow zone contamination could be adequately contained at an extraction rate of 2,500 gpm. Treated shallow zone water has been discharged for conservation and recreational use at Legg Lake, and Watermaster had entered into a production agreement with USEPA and the County of Los Angeles regarding the accounting of that water. Since production began at the WNOU facility, over 30,000 acre-feet of groundwater has been treated, and over 1,620 pounds of contaminants have been removed. During fiscal year 2012-13 the WNOU's Shallow Zone Project ceased operation.

WNOU INTERMEDIATE ZONE PROJECT

The City of Whittier had obtained a DDW permit to use the 6,000 gpm of treated intermediate zone water for municipal use instead of producing water from its existing wells. Since production began in late 2005, about 41,600 acre-feet of groundwater has been treated and about 1,600 pounds of contaminants removed. During April 2013, the City of Whittier ceased taking treated intermediate zone water. Subsequently, the treated intermediate zone water has been delivered to Legg Lake, while DTSC negotiates with a municipal water supplier to accept additional treated intermediate zone water.

AREA 3 OPERABLE UNIT

The Area 3 Operable Unit is located in the westerly portion of the Basin. It is generally bounded on the south by the I-10 Freeway, on the east by Rosemead Boulevard, on the North by Huntington Drive, and on the west by the boundary of the Main Basin (see Figure 13). EPA has installed a series of monitoring wells to collect water quality data to supplement data collected from water supply wells and has initiated a Remedial Investigation and Feasibility Study to identify the extent of the contamination and to evaluate appropriate cleanup remedies. In addition, Watermaster issued a permit during 2005-06 to the City of Alhambra to construct a treatment facility to remove VOCs from wells No. 7, 8, 11, and 12. The treatment facility became operational in April 2009, prior to USEPA's development of a final remedy, but is necessary for Alhambra to receive a reliable source of supply from the groundwater basin. The facility has treated about 19,600 acre-feet and has removed about 600 pounds of contaminants.

PRODUCERS' WATER SUPPLY PLANS

Watermaster's Water Quality Protection Plan provides early warning to Producers before their wells are found to exceed drinking water quality standards. The Plan also contains pre-analyzed suggestions to the Producers for responding to the presence of contaminants.

WATER SUPPLY PLANS TO MEET PROJECTED DEMANDS

Water Producers propose to construct five new wells and treatment plants during the next five years. Watermaster will continue providing the following services to assist Producers in meeting water demand:

- investigate all new or increased water extractions;
- provide computer modeling and technical support on treatment issues concerning the impact of extractions on contaminant migration;
- prioritize areas requiring further investigation, and coordinate with Producers on water supply modifications; and
- direct changes in pumping or treatment as necessary.

CONDUCT STUDIES, MONITORING AND INVESTIGATIONS

The Main San Gabriel Groundwater Basin is very complex, covering 167 square miles, and holding about 2.8 trillion gallons of water. Water enters the Basin from countless, natural and man-made locations, and is extracted by over 200 wells operated by dozens of independent Producers. Watermaster conducts special studies to identify projected water demands and to increase understanding of the Basin, so that it can be managed in a way that preserves and improves water supply and quality. In addition, Watermaster routinely reviews available data and is prepared to construct new monitoring wells to obtain supplemental water level and water quality data to better, manage the Basin. As a result of these activities, and the cooperative activities with, the Regional Board (noted below), there is no longer on-going VOC or Perchlorate contamination occurring; rather the focus and emphasis are on clean-up activities.

LANDFILL INSPECTIONS

Watermaster routinely conducts on-site inspections of area landfills to ensure they are operated in a way that does not allow contaminants to seep into the groundwater. Watermaster reports any violations of Waste Discharge Requirements to the Regional Water Quality Control Board for enforcement.

IDENTIFY AND REDUCE POTENTIAL SOURCES OF CONTAMINATION, COOPERATE WITH THE REGIONAL WATER QUALITY CONTROL BOARD

Since 1993, Watermaster has obtained information from the Regional Board about sources of VOC contamination in the Basin as part of the Regional Board investigations of potential contaminated sites. The information includes a description of all potential sources of contamination investigated by the Regional Board, including:

- maps showing the location of all investigation sites;
- available cause-and-effect relationships between pollution sources and contaminated wells; and
- plans and tentative schedules to abate the source of pollution and to clean up the soil and water.

Watermaster has reviewed a large amount of information gathered in Regional Board files and entered it into a database. This information is used in Watermaster's Section 28 process to help evaluate changes in pumping practices in relation to known contamination sources.

AQUIFER PERFORMANCE TESTS

Watermaster has developed a groundwater flow model for the entire Basin that assists in evaluating the potential impacts of changes in groundwater production. Although Watermaster completed its three-year Aquifer Performance Test investigation, additional tests will be conducted as required for Section 28 applications or for other needs. A tabulation of potential Aquifer Performance Test investigation sites is included in Appendix D. The sites identified include a pumping well and at least one monitoring well. The tests provide information on the characteristics of the aquifer, such as transmissivity, hydraulic conductivity, and coefficient of storage. The information gathered on aquifer characteristics will support cleanup activities including groundwater model development and calibration (see Appendix D).

DIRECTORY TO APPENDICES

The Following Appendices Are Found in This Section:

A. Projected Groundwater Demands from 2014-15 to 2018-19

B. Simulated Changes in Groundwater Elevations at Wells or Wellfields in Main San Gabriel Basin

C. Highlights of Volatile Organic Compounds and Nitrate Concentrations and Wells Vulnerable to Contamination

D. Potential Sites for Aquifer Performance Tests

E. Summary of Treatment Facility Activity in the Main San Gabriel Basin

F. Maps Showing Wells Vulnerable to VOC, Nitrate and Perchlorate Contamination Within Five Years (Figures 16a, 16b, and 16c)

G. Simulated Basin Groundwater Contours 2013-14 and 2018-19 (Figures 17 and 18)

APPENDIX A.

Projected Groundwater Demands from 2014-15 to 2018-19

A

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
ADAMS RANCH MUTUAL WATER COMPANY (1)									
1902106	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902689	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000182	3	NA	NA	71.00	75.00	75.00	75.00	75.00	75.00
SUBTOTAL:		NA	NA	71.00	75.00	75.00	75.00	75.00	75.00
ALHAMBRA, CITY OF (2)									
1900010	MOELR (8)	3,387	2,100	1,965.73	2,473.58	2,508.54	2,543.97	2,541.85	2,541.85
1900011	9	807	500	0.42	0.53	0.54	0.54	0.54	0.54
1900012	10	323	200	0.00	0.00	0.00	0.00	0.00	0.00
1900013	12	807	500	79.64	100.22	101.63	103.07	102.98	102.98
1900014	13	1,048	650	0.00	0.00	0.00	0.00	0.00	0.00
1900015	14	1,532	950	1,210.98	1,523.84	1,545.38	1,567.20	1,565.89	1,565.89
1900016	15	1,774	1,100	1,711.38	2,153.52	2,183.96	2,214.80	2,212.95	2,212.95
1900017	2 LON	1,597	990	443.69	558.32	566.21	574.21	573.73	573.73
1900018	GARF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902789	1 LON	1,613	1,000	1,505.02	1,893.85	1,920.61	1,947.74	1,946.11	1,946.11
1903014	11	1,032	640	561.60	706.69	716.68	726.80	726.19	726.19
1903097	7	1,258	780	843.53	1,061.46	1,076.46	1,091.66	1,090.75	1,090.75
SUBTOTAL:		15,178	9,410	8,321.99	10,472.00	10,620.00	10,770.00	10,761.00	10,761.00
AMARILLO MUTUAL WATER COMPANY (SAN GABRIEL VALLEY WATER COMPANY) (2)									
1900791	1	644	399	394.75	363.76	376.60	376.42	382.38	390.03
1900792	2	424	263	0.47	0.84	0.88	0.77	0.77	0.79
SUBTOTAL:		1,068	662	395.22	364.60	377.48	377.19	383.15	383.15
ANDERSON, RAY L. AND HELEN									
8000085	NA	18	11	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		18	11	0.00	0.00	0.00	0.00	0.00	0.00
ARCADIA, CITY OF (3)									
1901013	1 LON	2,581	1,600	1,089.21	1,109.00	1,087.00	1,066.00	1,045.00	1,024.00
1901014	2 LON	1,613	1,000	536.70	540.00	529.00	519.00	509.00	499.00
1901015	1 BAL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902077	1 CAM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902078	2 CAM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902084	2 LGY	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902358	1 STJ	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902791	2 BAL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902854	1 PEC	4,839	3,000	3,968.14	3,521.00	3,452.00	3,384.00	3,318.00	3,253.00
8000127	1 LO	6,291	3,900	3,260.94	3,137.00	3,076.00	3,015.00	2,956.00	2,898.00
8000177	2 STJ	4,839	3,000	76.34	12.00	12.00	12.00	12.00	11.00
8000213	3 CAM	3,871	2,400	2,587.10	2,547.00	2,497.00	2,448.00	2,400.00	2,353.00
8000214	3 LGY	3,065	1,900	2,585.18	2,610.00	2,559.00	2,509.00	2,460.00	2,412.00
SUBTOTAL:		27,098	16,800	14,103.61	13,476.00	13,212.00	12,953.00	12,700.00	12,450.00
ATTALLA, MARY L.									
8000119	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
AZUSA, CITY OF (AZUSA AGRICULTURAL WATER COMPANY, AZUSA VALLEY WATER COMPANY) (3)									
1902533	5 (1)	1,613	1,000	961.69	1,437.00	1,437.00	1,437.00	1,437.00	1,437.00
1902535	6 (3)	4,839	3,000	1,265.17	550.00	550.00	550.00	550.00	550.00
1902536	GENESIS 1 (4)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902537	GENESIS 2 (5)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902538	GENESIS 3 (6)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000072	1 (7)	4,839	3,000	1,524.85	1,823.00	1,823.00	1,823.00	1,823.00	1,823.00
8000086	3 (8)	4,678	2,900	3,997.21	2,018.00	2,018.00	2,018.00	2,018.00	2,018.00
1902457	2 (1 NORTH)	3,549	2,200	1,264.65	1,683.00	1,683.00	1,683.00	1,683.00	1,683.00
1902458	4 (2 SOUTH)	4,516	2,800	2,201.01	1,864.00	1,864.00	1,864.00	1,864.00	1,864.00
1902113	AVWC 1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902114	AVCW 2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902115	8 (AVWC 4)	3,065	1,900	567.61	200.00	200.00	200.00	200.00	200.00
1902116	7 (AVWC 5)	1,613	1,000	424.87	589.00	589.00	589.00	589.00	589.00
1902117	9 (AVWC 6)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902425	AVWC 7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000103	10 (AVWC 8)	4,194	2,600	25.63	70.00	70.00	70.00	70.00	70.00
8000178	11	3,468	2,150	2,491.90	1,128.00	1,128.00	1,128.00	1,128.00	1,128.00
8000179	12	2,823	1,750	1,395.70	1,046.00	1,046.00	1,046.00	1,046.00	1,046.00
1903119	VULCAN			65.65	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		15,162	9,400	16,185.94	12,408.00	12,408.00	12,408.00	12,408.00	12,408.00
AZUSA ASSOCIATES LLC (COVELL, ET AL)									
1900390	DALTON	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
B & B RED-I-MIX CONCRETE INC.									
1902589	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
BANKS, GALE & VICKI (1)									
1900415	NA	560	347	35.31	25.00	25.00	25.00	25.00	25.00
SUBTOTAL		560	347	35.31	25.00	25.00	25.00	25.00	25.00
BASELINE WATER COMPANY									
1901200	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901201	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901202	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
BEVERLY ACRES MUTUAL									
8000004	ROSE HILLS	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
BIRENBAUM, MAX									
8000005	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
BROOKS, GIFFORD JR.									
1902144	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
BURBANK DEVELOPMENT COMPANY									
1900093	BURB	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM (3)									
1900354	STA FE	2,420	1,500	703.74	721.01	724.56	728.22	731.88	735.55
1900355	B V	3,549	2,200	0.27	0.28	0.28	0.28	0.28	0.28
1900356	MT AVE	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900357	LAS L	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900358	FISH C	1,290	800	0.01	0.01	0.01	0.01	0.01	0.01
1902907	WILEY	2,420	1,500	2,170.25	2,223.51	2,234.47	2,245.76	2,257.05	2,268.33
1903018	CR HV	2,420	1,500	444.39	455.30	457.54	459.85	462.16	464.47
8000139	ENCTO	3,549	2,200	1,143.02	1,171.07	1,176.84	1,182.79	1,188.73	1,194.68
8000140	LASL 2	2,420	1,500	438.60	449.36	451.58	453.86	456.14	458.42
1900497	BACON	726	450	2.31	2.37	2.38	2.39	2.40	2.41
8000216	B V 2	3,226	2,000	1,633.99	1,674.09	1,682.34	1,690.84	1,699.34	1,707.84
SUBTOTAL:		22,017	13,650	6,536.58	6,697.00	6,730.00	6,764.00	6,798.00	6,832.00
CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM (3)									
1900917	HALL	1,936	1,200	0.00	0.00	0.00	0.00	0.00	0.00
1900918	GUESS	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900919	MISVW	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900920	MISVW	1,613	1,000	1,644.35	1,780.79	1,789.84	1,798.69	1,807.54	1,816.78
1900921	RIC-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900922	RIC-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900923	IVR-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900924	MAR-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900925	MAR-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900926	GRAND	1,613	1,000	1,076.82	1,166.17	1,172.09	1,177.89	1,183.68	1,189.74
1900927	ROSE	1,532	950	749.01	811.16	815.28	819.31	823.34	827.55
1900934	ROAN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900935	LONG	1,548	960	284.14	307.72	309.28	310.81	312.34	313.94
1901441	BR-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902424	HOWL	968	600	778.72	843.34	847.62	851.81	856.00	860.38
1902787	BR-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902867	IVR-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903019	MAR-3	2,258	1,400	1,659.92	1,797.65	1,806.79	1,815.72	1,824.65	1,833.98
1903059	DELMAR	1,936	1,200	773.05	837.19	841.45	845.61	849.77	854.11
8000175	HALL-2	1,936	1,200	1,396.13	1,511.98	1,519.66	1,527.17	1,534.68	1,542.53
SUBTOTAL:		15,340	9,510	8,362.14	9,056.00	9,102.00	9,147.00	9,192.00	9,239.00
CALIFORNIA COUNTRY CLUB (1)									
1902529	CLUB	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902531	ARTES	1,129	700	0.00	1.25	1.25	1.25	1.25	1.25
1903084	SYC	1,290	800	0.01	3.75	3.75	3.75	3.75	3.75
SUBTOTAL:		2,420	1,500	0.01	5.00	5.00	5.00	5.00	5.00
CALIFORNIA DOMESTIC WATER COMPANY (3)									
1901181	2	5,404	3,350	1,975.90	2,060.02	2,369.02	2,369.02	2,544.12	2,595.62
1901182	1-E	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901183	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901185	13-N	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902967	6	6,452	4,000	1,611.06	1,679.64	1,931.59	1,931.59	2,074.36	2,116.35
1903057	3	7,259	4,500	6,752.91	7,040.39	8,096.45	8,096.45	8,694.88	8,870.89
1903081	8	4,839	3,000	3,120.23	3,253.06	3,741.02	3,741.02	4,017.53	4,098.86
8000100	5A	6,452	4,000	5,723.24	5,966.89	6,861.92	6,861.92	7,369.10	7,518.28
8000174	14	4,516	2,800	0.00	0.00	0.00	0.00	0.00	0.00
1900092	10	8,065	5,000	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		42,986	26,650	19,183.34	20,000.00	23,000.00	23,000.00	24,700.00	25,200.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
CARRIER CORPORATION (1)									
--	--	--	--	32.73	30.00	30.00	30.00	30.00	30.00
SUBTOTAL:		--	--	32.73	30.00	30.00	30.00	30.00	30.00
CEDAR AVENUE MUTUAL WATER COMPANY									
1901411	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902783	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		0	0	0.00	0.00	0.00	0.00	0.00	0.00
CEMEX CONSTRUCTION MATERIALS L.P. (AZ-TWO INC.)									
1900038	2	2,305	1,429	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		2,305	1,429	0.00	0.00	0.00	0.00	0.00	0.00
CHAMPION MUTUAL WATER COMPANY (1)									
1900908	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902816	2	516	320	29.16	29.71	29.71	29.71	29.71	29.71
8000121	3	145	90	56.72	57.79	57.79	57.79	57.79	57.79
SUBTOTAL:		661	410	85.88	87.50	87.50	87.50	87.50	87.50
CHEVRON USA									
1900250	TEMP1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS (QUEEN OF THE VALLEY HOSPITAL) (1)									
8000138	NA	NA	NA	7.89	20.00	20.00	20.00	20.00	20.00
SUBTOTAL:		NA	NA	7.89	20.00	20.00	20.00	20.00	20.00
CLAYTON MANUFACTURING COMPANY									
1901055	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000170	MW-4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
COINER, JAMES W., DBA COINER NURSERY (WOODLAND FARMS INC.) (1)									
1902951	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903072	5R	NA	NA	111.92	100.00	100.00	100.00	100.00	100.00
SUBTOTAL:		NA	NA	111.92	100.00	100.00	100.00	100.00	100.00
COLLISON, E.O.									
1902968	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CORCORAN BROS.									

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
1902814	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
COUNTY SANITATION DISTRICT NO. 18 (1)									
8000008	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000009	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000104	LE 1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000105	LE 2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000106	LE 3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000107	LE 4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000128	E08A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000129	E09A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000130	E10A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000131	E11A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000141	EX1	NA	NA	0.38	0.58	0.58	0.58	0.58	0.58
8000142	EX2	NA	NA	0.07	0.11	0.11	0.11	0.11	0.11
8000143	EX3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000144	EX4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000153	E16A	NA	NA	0.72	1.10	1.10	1.10	1.10	1.10
8000154	E17A	NA	NA	4.92	7.51	7.51	7.51	7.51	7.51
8000155	E18A	NA	NA	0.50	0.76	0.76	0.76	0.76	0.76
8000156	E19A	NA	NA	0.74	1.13	1.13	1.13	1.13	1.13
8000173	E20A	NA	NA	1.20	1.83	1.83	1.83	1.83	1.83
8000161	E01R	NA	NA	0.13	0.20	0.20	0.20	0.20	0.20
8000162	E03R	NA	NA	0.04	0.06	0.06	0.06	0.06	0.06
8000163	E05R	NA	NA	0.65	0.99	0.99	0.99	0.99	0.99
8000164	E07R	NA	NA	1.01	1.54	1.54	1.54	1.54	1.54
8000165	E02R	NA	NA	1.54	2.35	2.35	2.35	2.35	2.35
8000166	E04R	NA	NA	0.41	0.63	0.63	0.63	0.63	0.63
8000167	E06R	NA	NA	0.20	0.31	0.31	0.31	0.31	0.31
8000168	E08R	NA	NA	0.60	0.92	0.92	0.92	0.92	0.92
SUBTOTAL:		NA	NA	13.11	20.00	20.00	20.00	20.00	20.00
COVINA, CITY OF									
1901685	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901686	2	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1901687	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		968	600	0.00	0.00	0.00	0.00	0.00	0.00
COVINA IRRIGATING COMPANY (3)									
1900881	CONTR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900882	3 BAL	3,549	2,200	2,542.79	2,050.00	2,050.00	2,300.00	2,300.00	2,500.00
1900883	2 BAL	3,226	2,000	1,548.20	1,400.00	1,400.00	1,600.00	1,600.00	1,950.00
1900885	1 BAL	2,420	1,500	1,458.79	1,200.00	1,200.00	1,500.00	1,500.00	1,900.00
1900880	VALEN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		9,194	5,700	5,549.78	4,650.00	4,650.00	5,400.00	5,400.00	6,350.00
CREVOLIN, A.J.									
8000011	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CROWN CITY PLATING COMPANY									
8000012	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
DAVIDSON OPTRONICS INC.									
8000013	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
DAWES, MARY K.									
1902952	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
DEL RIO MUTUAL WATER COMPANY (1)									
1900331	BURKE	261	162	127.00	150.00	150.00	150.00	150.00	150.00
1900332	KLING	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		261	162	127.00	150.00	150.00	150.00	150.00	150.00
DRIFTWOOD DAIRY (1)									
1902924	1	298	185	40.41	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		298	185	40.41	0.00	0.00	0.00	0.00	0.00
DUNNING, GEORGE									
1900091	1910	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
EAST PASADENA WATER COMPANY, LTD. (2)									
1901508	9	2,581	1,600	304.98	307.31	308.85	310.40	311.95	313.46
8000217	11	2,581	1,600	1,311.24	1,321.28	1,327.89	1,334.52	1,341.19	1,347.68
SUBTOTAL:		5,162	3,200	1,616.22	1,628.59	1,636.74	1,644.92	1,653.14	1,661.14
EL MONTE, CITY OF (3)									
1901692	2A	1,532	950	545.83	594.80	594.80	594.80	594.80	594.80
1901693	3	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1901694	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901695	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901699	10	2,420	1,500	691.99	754.07	754.07	754.07	754.07	754.07
1901700	11	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902612	MT VW	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903137	12	3,387	2,100	442.57	482.27	482.27	482.27	482.27	482.27
8000066	–	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000101	13	4,839	3,000	613.80	668.86	668.86	668.86	668.86	668.86
SUBTOTAL:		13,146	8,150	2,294.19	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
EL MONTE CEMETERY ASSOCIATION									
8000017	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
FRUIT STREET WATER COMPANY									
1901199	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
GATES, JAMES RICHARD (1)									
8000215	NA	NA	NA	2.64	10.00	10.00	10.00	10.00	10.00
SUBTOTAL:		NA	NA	2.64	10.00	10.00	10.00	10.00	10.00
GLENDORA, CITY OF (3)									
1900826	11-E	1,452	900	811.56	1,036.31	1,036.31	1,036.31	1,036.31	1,036.31
1900827	12-E	3,226	2,000	1,691.37	2,159.77	2,159.77	2,159.77	2,159.77	2,159.77
1900828	10-E	1,048	650	585.03	747.05	747.05	747.05	747.05	747.05
1900829	8-E	2,742	1,700	1,298.66	1,658.31	1,658.31	1,658.31	1,658.31	1,658.31
1900830	9-E	2,742	1,700	2,143.59	2,737.23	2,737.23	2,737.23	2,737.23	2,737.23
1900831	7-G	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901523	1-E	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901524	4-E	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901525	3-G	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901526	2-E	807	500	632.72	807.94	807.94	807.94	807.94	807.94
8000003	--	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000149	5-E	2,903	1,800	2,561.20	3,270.49	3,270.49	3,270.49	3,270.49	3,270.49
8000184	13-E	1,290	800	1,161.29	1,482.89	1,482.89	1,482.89	1,482.89	1,482.89
SUBTOTAL:		16,211	10,050	10,885.42	13,900.00	13,900.00	13,900.00	13,900.00	13,900.00
GOEDERT, LILLIAN									
8000027	GOEDERT	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRICT (1)									
1902148	BAS-3	968	600	655.34	804.35	804.35	804.35	804.35	804.35
1902149	BAS-4	1,210	750	558.66	685.69	685.69	685.69	685.69	685.69
1902150	HIGHWAY	1,129	700	552.55	678.19	678.19	678.19	678.19	678.19
1902151	ART-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902152	ART-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902154	L H-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902266	COL-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902267	COL-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902268	COL-4	726	450	466.15	572.14	572.14	572.14	572.14	572.14
1902269	COL-5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902270	COL-6	686	425	0.00	0.00	0.00	0.00	0.00	0.00
1902271	COL-7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902272	COL-8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902286	CITY	323	200	170.42	209.17	209.17	209.17	209.17	209.17
1902842	ART-3	403	250	122.40	150.23	150.23	150.23	150.23	150.23
1902287	MALON	605	375	434.43	533.21	533.21	533.21	533.21	533.21
8000212	HIGHWAY 2	1,613	1,000	1,113.77	1,367.02	1,367.02	1,367.02	1,367.02	1,367.02
SUBTOTAL:		7,662	4,750	4,073.72	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL DISTRICT (1)									
1900510	1 S G	1,774	1,100	1,557.53	1,543.47	1,543.47	1,543.47	1,543.47	1,543.47
1900511	2 S G	1,452	900	244.77	242.56	242.56	242.56	242.56	242.56
1900512	2 GAR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900513	1 GAR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900514	3 SAX	565	350	181.61	179.97	179.97	179.97	179.97	179.97
1900515	1 SAX	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000146	4 SAX	1,532	950	685.34	679.15	679.15	679.15	679.15	679.15
1902144	1 EAR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902017	1 JEF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902018	2 JEF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902019	3 JEF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902020	1 AZU	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902024	1 ENC	1,936	1,200	540.87	535.99	535.99	535.99	535.99	535.99
1902027	1 PER	697	432	242.57	240.38	240.38	240.38	240.38	240.38
1902030	1 GRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902031	2 GID	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902032	1 GID	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902034	1 FAR	1,936	1,200	508.15	503.56	503.56	503.56	503.56	503.56
1902035	2 ENC	968	600	940.84	932.35	932.35	932.35	932.35	932.35
1902461	2 GRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
1902948	2 FAR	1,210	750	307.87	305.09	305.09	305.09	305.09	305.09
8000073	3 ENC	1,048	650	332.27	329.27	329.27	329.27	329.27	329.27
8000111	4 JEF	2,097	1,300	793.47	786.31	786.31	786.31	786.31	786.31
SUBTOTAL:		9,891	6,132	6,335.29	6,278.10	6,278.10	6,278.10	6,278.10	6,278.10
GREEN, WALTER									
8000027	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000028	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
HANSEN, ALICE									
8000029	2946	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
HANSON AGGREGATES WEST, INC. (LIVINGSTON-GRAHAM) (1)									
1900961	1 DUA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900963	1 KIN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901492	1 EL	3,302	2,047	99.17	300.00	300.00	300.00	300.00	300.00
1901493	3 EL	4,563	2,829	0.00	0.00	0.00	0.00	0.00	0.00
1903006	4 EL	356	221	0.01	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		8,221	5,097	99.18	300.00	300.00	300.00	300.00	300.00
HARTLEY, DAVID									
8000029	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
HEMLOCK MUTUAL WATER COMPANY (1)									
1901178	NORTH	219	136	40.33	45.86	45.86	45.86	45.86	45.86
1902806	SOUTH	516	320	47.62	54.14	54.14	54.14	54.14	54.14
SUBTOTAL:		736	456	87.95	100.00	100.00	100.00	100.00	100.00
HERMETIC SEAL CORPORATION (1)									
--	--	NA	NA	70.80	70.00	70.00	70.00	70.00	70.00
SUBTOTAL:		NA	NA	70.80	70.00	70.00	70.00	70.00	70.00
INDUSTRY WATERWORKS SYSTEM, CITY OF (3)									
1902581	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902582	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902583	5TH AVE	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000078	3	2,420	1,500	0.00	0.00	0.00	0.00	0.00	0.00
8000096	4	3,871	2,400	0.00	0.00	0.00	0.00	0.00	0.00
8000097	5	1,936	1,200	1,564.40	1,920.00	1,920.00	1,920.00	1,920.00	1,920.00
SUBTOTAL:		8,226	5,100	1,564.40	1,920.00	1,920.00	1,920.00	1,920.00	1,920.00
KIYAN, HIDEO									
1902970	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LA PUENTE VALLEY COUNTY WATER DISTRICT (3)									
1901459	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901460	2	2,016	1,250	178.82	4.00	4.00	4.00	4.00	4.00
1902859	3	2,016	1,250	388.32	4.00	4.00	4.00	4.00	4.00
8000062	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000209	5	4,033	2,500	2,865.71	3,628.00	3,628.00	3,628.00	3,628.00	3,628.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
SUBTOTAL:		8,065	5,000	3,432.85	3,636.00	3,636.00	3,636.00	3,636.00	3,636.00
LA VERNE, CITY OF									
1902322	SNIDO	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LAKIN, KELLY									
8000158	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LANDEROS, JOHN									
8000031	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LOS ANGELES, COUNTY OF (1)									
1902579	1 WHI	2,710	1,680	0.00	0.00	0.00	0.00	0.00	0.00
1902580	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902663	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902664	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902665	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902666	6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000070	1 SF	3,349	2,076	1,008.45	1,005.73	1,005.73	1,005.73	1,005.73	1,005.73
8000074	2 SF	458	284	24.89	24.82	24.82	24.82	24.82	24.82
8000088	B RED	174	108	0.00	0.00	0.00	0.00	0.00	0.00
8000089	N LK	1,323	820	0.00	0.00	0.00	0.00	0.00	0.00
8000090	600	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902158	BN PK	2,087	1,294	0.00	0.00	0.00	0.00	0.00	0.00
8000150	3A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	WNOU	NA	NA	3,278.29	3,269.45	3,269.45	3,269.45	3,269.45	3,269.45
SUBTOTAL:		10,101	6,262	4,311.63	4,300.00	4,300.00	4,300.00	4,300.00	4,300.00
LOS FLORES MUTUAL WATER COMPANY									
1902098	1-LO	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
21902098	1-HI	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LOUCKS, DAVID									
8000032	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
MAECHTLEN, J.J. TRUSTEE									
1902321	OLD60	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902322	SNIDO	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902323	M & N	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
MANNING BROS. ROCK & SAND COMPANY									
1900117	36230	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
MAPLE WATER COMPANY (SUBURBAN WATER SYSTEMS)									
1900042	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000109	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
MARTINEZ, FRANCES MERCY									
8000033	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA									
1900693	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900694	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
MILLERCOORS LLC (MILLER BREWERIES WEST, L.P. /MILLER BREWING COMPANY) (1)									
8000034	--	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000075	1	5,533	3,430	346.54	700.00	700.00	700.00	700.00	700.00
8000076	2	5,533	3,430	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		11,065	6,860	346.54	700.00	700.00	700.00	700.00	700.00
MONROVIA, CITY OF (2)									
1900417	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900418	2	2,903	1,800	875.10	811.77	791.90	772.59	753.93	735.05
1900419	3	2,903	1,800	2,154.48	1,998.56	1,949.65	1,902.09	1,856.15	1,809.67
1900420	4	3,065	1,900	1,797.24	1,667.17	1,626.37	1,586.70	1,548.38	1,509.61
1940104	5	4,194	2,600	2,650.88	2,459.03	2,398.86	2,340.34	2,283.82	2,226.63
8000171	6	4,033	2,500	495.31	459.46	448.22	437.29	426.73	416.04
SUBTOTAL:		17,098	10,600	7,973.01	7,396.00	7,215.00	7,039.00	6,869.00	6,697.00
MONROVIA NURSERY									
1902456	DIV 4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
MONTEREY PARK, CITY OF (1)									
1900453	1	968	600	150.65	198.86	198.86	198.86	198.86	198.86
1900454	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900455	3	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1900456	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900457	5	2,903	1,800	1,244.56	1,642.86	1,642.86	1,642.86	1,642.86	1,642.86
1900458	6	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1902372	7	1,290	800	0.00	0.00	0.00	0.00	0.00	0.00
1902373	8	2,903	1,800	0.00	0.00	0.00	0.00	0.00	0.00
1902690	9	2,903	1,800	5.06	6.68	6.68	6.68	6.68	6.68
1902818	10	2,903	1,800	1,572.29	2,075.48	2,075.48	2,075.48	2,075.48	2,075.48
1903033	12	3,226	2,000	3,120.42	4,119.06	4,119.06	4,119.06	4,119.06	4,119.06
1903092	14	1,129	700	0.00	0.00	0.00	0.00	0.00	0.00
8000126	FERN	1,613	1,000	402.80	531.71	531.71	531.71	531.71	531.71
8000196	15	3,226	2,000	2,528.98	3,338.34	3,338.34	3,338.34	3,338.34	3,338.34
SUBTOTAL:		25,002	15,500	9,024.76	11,913.00	11,913.00	11,913.00	11,913.00	11,913.00
MUNOZ, RALPH (1)									
MUNOZ	8000219	--	--	1.61	2.00	2.00	2.00	2.00	2.00
SUBTOTAL:		--	--	1.61	2.00	2.00	2.00	2.00	2.00
NAMIMATSU FARMS INC.									
1901034	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NICK TOMOVICH & SON									
8000037	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
NO. 17 WALNUT PLACE MUTUAL WATER COMPANY									
8000038	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
OWL ROCK PRODUCTS (ROBERTSON'S READY MIX)									
1900043	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902241	NA	3,205	1,987	0.00	0.00	0.00	0.00	0.00	0.00
1903119	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		3,205	1,987	0.00	0.00	0.00	0.00	0.00	0.00
PARK WATER CO.									
1901307	26-A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000039	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
PICO COUNTY WATER DISTRICT									
8000040	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
POLOPOLUS, ET AL									
1902169	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
RICHWOOD MUTUAL WATER COMPANY									
1901521	1 SOUTH	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901522	2 NORTH	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
ROWLAND WATER DISTRICT (1)									
--	--	NA	NA	76.21	150.00	150.00	150.00	150.00	150.00
SUBTOTAL:		NA	NA	76.21	150.00	150.00	150.00	150.00	150.00
RURBAN HOMES MUTUAL WATER COMPANY (1)									
1900120	1-NORTH	726	450	224.19	119.00	119.00	119.00	119.00	119.00
1900121	2-SOUTH	484	300	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		1,210	750	224.19	119.00	119.00	119.00	119.00	119.00
RUTH, ROY									
8000041	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
S.L.S. & N. INC. (1)									
8000151	NA	NA	NA	11.37	10.00	10.00	10.00	10.00	10.00
SUBTOTAL:		NA	NA	11.37	10.00	10.00	10.00	10.00	10.00
SAN GABRIEL COUNTRY CLUB (1)									
1900547	1	NA	NA	70.93	69.07	69.07	69.07	69.07	69.07
1902979	2	750	465	237.14	230.93	230.93	230.93	230.93	230.93
SUBTOTAL:		750	465	308.07	300.00	300.00	300.00	300.00	300.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
SAN GABRIEL COUNTY WATER DISTRICT (3)									
1901669	5 BRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901670	6 BRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901671	7	1,371	850	0.00	763.72	763.72	763.72	763.72	763.72
1901672	8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902785	9	2,097	1,300	1,596.11	1,752.00	1,752.00	1,752.00	1,752.00	1,752.00
1902786	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000067	11	1,532	950	538.14	632.00	644.00	656.00	668.00	668.00
8000123	12	3,549	2,200	1,696.56	1,212.00	1,224.00	1,236.00	1,248.00	1,248.00
8000133	14	3,387	2,100	1,568.59	1,192.00	1,204.00	1,216.00	1,228.00	1,228.00
8000220	15	3,710	2,300	422.84	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		15,646	9,700	5,822.24	5,551.72	5,587.72	5,623.72	5,659.72	5,659.72
SAN GABRIEL VALLEY WATER COMPANY (3)									
1900725	G4A	1,855	1,150	131.62	136.00	136.00	136.00	136.00	136.00
1900733	5A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902635	B1	1,815	1,125	0.00	0.00	0.00	0.00	0.00	0.00
8000112	B5C	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000038	--	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900729	1B	2,742	1,700	888.51	1,061.00	954.00	816.00	734.00	661.00
1902946	1C	2,452	1,520	104.33	254.00	227.00	194.00	175.00	157.00
8000081	1B4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000082	1B5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000102	1D	4,678	2,900	3,686.04	3,356.00	3,020.00	2,582.00	2,324.00	2,092.00
1900749	2C	1,924	1,193	0.00	0.00	0.00	0.00	0.00	0.00
1902857	2D	3,226	2,000	44.69	28.00	28.00	26.00	26.00	26.00
8000065	2E	4,436	2,750	1,902.86	1,213.00	1,091.00	933.00	840.00	756.00
1900736	8A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900746	8B	2,016	1,250	73.85	44.00	44.00	44.00	44.00	44.00
1900747	8C	2,097	1,300	850.32	902.00	902.00	902.00	902.00	902.00
1903103	8D	5,000	3,100	1,564.81	1,597.00	1,597.00	1,597.00	1,597.00	1,597.00
8000113	8E	4,839	3,000	46.08	13.00	13.00	13.00	13.00	13.00
1900739	11A	4,436	2,750	2,336.91	2,925.00	2,555.00	2,300.00	2,070.00	1,863.00
1900745	11B	2,984	1,850	2,739.22	2,121.00	1,907.00	1,716.00	1,545.00	1,390.00
1902713	11C	1,742	1,080	578.35	506.00	453.00	408.00	367.00	330.00
8000083	11B7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902858	B4B	3,629	2,250	0.00	0.00	0.00	0.00	0.00	0.00
1902947	B4C	3,629	2,250	0.00	0.00	0.00	0.00	0.00	0.00
1900718	B5A	3,065	1,900	0.00	0.00	0.00	0.00	0.00	0.00
1900719	B5B	5,323	3,300	4,239.78	4,298.00	4,298.00	4,298.00	4,298.00	4,298.00
1900721	B6B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903093	B6C	3,226	2,000	0.20	8.00	8.00	8.00	8.00	8.00
8000084	B6B2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000098	B6D	3,226	2,000	0.26	8.00	8.00	8.00	8.00	8.00
1902525	B2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000122	B7E	968	600	531.81	301.00	301.00	301.00	301.00	301.00
1901435	--	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901436	B8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901437	B9	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901439	B11A	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1901440	B7B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000068	B7C	3,791	2,350	1,249.90	1,263.00	0.00	0.00	0.00	0.00
8000094	B7D	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000099	B9B	1,613	1,000	861.35	864.00	864.00	864.00	864.00	864.00
8000108	B11B	4,033	2,500	2,580.61	2,708.00	0.00	0.00	0.00	0.00
8000172	1E	4,436	2,750	3,151.07	1,938.00	1,743.00	1,488.00	1,337.00	1,203.00
8000160	B5D	4,839	3,000	387.16	484.00	484.00	484.00	484.00	484.00
8000169	8F	5,646	3,500	142.72	75.00	75.00	75.00	75.00	75.00
NA	G4B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	1F	NA	NA	0.00	20.00	20.00	19.00	19.00	19.00
8000197	2F	NA	2,200	2,205.91	2,647.00	2,380.00	2,035.00	1,831.00	1,648.00
NA	B11C	3,226	2,000	0.00	0.00	0.00	0.00	0.00	0.00
8000203	B24A	4,033	2,500	497.04	612.00	612.00	612.00	612.00	612.00
8000204	B24B	4,033	2,500	485.80	653.00	653.00	653.00	653.00	653.00
8000187	B25A	4,516	2,800	1,286.27	1,338.00	1,338.00	1,338.00	1,338.00	1,338.00
8000188	B25B	4,516	2,800	1,601.25	1,474.00	1,474.00	1,474.00	1,474.00	1,474.00
8000189	B26A	1,774	1,100	428.46	794.00	794.00	794.00	794.00	794.00
8000190	B26B	1,774	1,100	669.51	927.00	927.00	927.00	927.00	927.00
8000205	B5E	5,565	3,450	4,971.63	4,714.00	4,714.00	4,714.00	4,714.00	4,714.00
NA	11D	NA	NA	0.00	20.00	20.00	18.00	18.00	18.00
NA	B24C	NA	NA	0.00	8.00	1,272.00	1,272.00	1,272.00	1,272.00
NA	B24D	NA	NA	0.00	8.00	2,715.00	2,715.00	2,715.00	2,715.00
SUBTOTAL:		124,069	79,118	40,238.32	39,318.00	37,627.00	35,764.00	34,515.00	33,392.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
SLOAN RANCHES									
1901198	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000045	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SIERRA LA VERNE COUNTRY CLUB (1)									
8000124	1	NA	NA	10.29	35.00	35.00	35.00	35.00	35.00
8000125	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000192	15 OFFSITE	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	10.29	35.00	35.00	35.00	35.00	35.00
SIERRA MADRE, CITY OF (1)									
8000193	NA	NA	NA	0.06	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.06	0.00	0.00	0.00	0.00	0.00
SONOCO PRODUCTS COMPANY (1)									
1902786	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902971	2	NA	NA	195.29	150.00	150.00	150.00	150.00	150.00
8000137	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	195.29	150.00	150.00	150.00	150.00	150.00
SOUTH COVINA WATER SERVICE									
1901606	102	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SOUTH PASADENA, CITY OF (3)									
1901679	GRAV 2	1,210	750	348.93	546	420	420	420	420
1901681	2 WIL	1,936	1,200	0.00	0	0	0	0	0
1901682	3 WIL	3,387	2,100	2,561.77	2,528	2,588	2,588	2,588	2,588
1903086	4 WIL	1,774	1,100	1,550.30	1,324	1,356	1,356	1,356	1,356
SUBTOTAL:		8,307	5,150	4,461.00	4,398	4,364	4,364	4,364	4,364
SOUTHERN CALIFORNIA EDISON COMPANY (1)									
1900342	1EB86	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900343	2EB76	211	131	0.00	0.00	0.00	0.00	0.00	0.00
8000046	110RH	NA	NA	1.63	0.00	0.00	0.00	0.00	0.00
8000047	MURAT	2,420	1,500	0.00	0.00	0.00	0.00	0.00	0.00
11900344	38EIS	1,415	877	0.00	0.00	0.00	0.00	0.00	0.00
21900344	38W	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		4,045	2,508	1.63	0.00	0.00	0.00	0.00	0.00
STERLING MUTUAL WATER COMPANY (1)									
1902085	SOUTH	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
1902096	NORTH	397	246	71.24	92.22	92.22	92.22	92.22	92.22
8000132	NEW SO	NA	NA	44.63	57.78	57.78	57.78	57.78	57.78
SUBTOTAL:		397	246	115.87	150.00	150.00	150.00	150.00	150.00
SUBURBAN WATER SYSTEMS (3)									
1900337	152W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901429	201W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901430	201W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901431	201W3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901432	201W5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901433	201W4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901434	201W6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901596	147W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901597	142W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901598	139W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901599	139W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901600	139W3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901602	140W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901604	148W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901608	105W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901609	106W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901610	111W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901611	112W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901612	113W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901613	114W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901614	117W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901615	120W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901616	122W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901617	123W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901618	124W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901619	125W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901620	126W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901621	131W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901622	133W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901623	134W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901624	135W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901625	136W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901627	202W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902119	149W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902519	150W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902760	147W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902761	153W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902762	154W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902763	157W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903067	140W3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000069	139W4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000077	147W3	2,019	1,252	1,930.31	1,835.54	1,835.54	1,835.54	1,835.54	1,835.54
8000087	125W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000092	126W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000093	140W4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000145	140W5	3,037	1,883	1,675.50	2,023.47	2,023.47	2,023.47	2,023.47	2,023.47
8000095	139W5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000152	139W6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902518	151W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902819	155W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902820	155W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901605	101W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901607	103W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000181	121W1	3,291	2,040	2,976.06	2,921.58	2,921.58	2,921.58	2,921.58	2,921.58
8000183	142W2	4,476	2,775	4,187.28	4,069.83	4,069.83	4,069.83	4,069.83	4,069.83
8000195	201W7	4,771	2,958	4,855.46	4,340.79	4,340.79	4,340.79	4,340.79	4,340.79
8000198	201W8	4,771	2,958	2,814.72	4,340.79	4,340.79	4,340.79	4,340.79	4,340.79
8000207	151W2	5,905	3,661	5,585.03	5,368.32	5,368.32	5,368.32	5,368.32	5,368.32

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
8000208	201W9	6,318	3,917	4,569.52	4,106.06	4,106.06	4,106.06	4,106.06	4,106.06
8000210	201W10	6,452	4,000	1,148.53	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		41,041	25,444	29,742.41	29,006.38	29,006.38	29,006.38	29,006.38	29,006.38
SUNNY SLOPE WATER COMPANY (3)									
1900026	8	2,724	1,689	250.62	239.47	254.05	268.64	283.22	297.81
1902792	9	2,865	1,776	308.27	294.55	312.49	330.43	348.37	366.32
8000048	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000157	13	2,863	1,775	2,083.18	1,990.48	2,111.72	2,232.96	2,354.20	2,475.43
SUBTOTAL:		8,452	5,240	2,642.07	2,524.50	2,678.27	2,832.03	2,985.80	3,139.56
TEXACO INC.									
1900001	14	519	322	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		519	322	0.00	0.00	0.00	0.00	0.00	0.00
TRAN, HIEU (1)									
TRAN	8000218	NA	NA	4.99	5.00	5.00	5.00	5.00	5.00
SUBTOTAL:		NA	NA	4.99	5.00	5.00	5.00	5.00	5.00
TYLER NURSERY									
8000049	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
UNITED CONCRETE PIPE CORPORATION									
8000067	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
UNITED ROCK PRODUCTS CORPORATION (1)									
1900106	IRW-1	NA	NA	251.28	248.75	248.75	248.75	248.75	248.75
1902532	SIERRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903062	IRW-2	NA	NA	51.77	51.25	51.25	51.25	51.25	51.25
SUBTOTAL:		NA	NA	303.05	300.00	300.00	300.00	300.00	300.00
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY									
NA	EW4-3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	EW4-4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	EW4-8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	EW4-9	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		0	0	0.00	0.00	0.00	0.00	0.00	0.00
VALENCIA HEIGHTS WATER COMPANY (3)									
8000051	1	NA	NA	1,064.31	0.00	0.00	0.00	0.00	0.00
8000052	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000054	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000055	3A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000120	5	1,452	900	0.00	306.98	315.35	323.72	323.72	323.72
8000180	6	1,331	825	0.00	281.40	289.07	296.74	296.74	296.74
8000211	7	2,420	1,500	0.00	511.63	525.58	539.53	539.53	539.53
SUBTOTAL:		5,202	3,225	1,064.31	1,100.00	1,130.00	1,160.00	1,160.00	1,160.00
VALECITO WATER COMPANY									
1901435	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901436	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901437	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901438	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
1901439	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901440	6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
VALLEY COUNTY WATER DISTRICT (3)									
1900027	E MAIN	3,226	2,000	2,455.94	2,028.57	2,028.57	2,028.57	2,028.57	2,028.57
1900028	W MAIN	1,936	1,200	636.15	1,217.14	1,217.14	1,217.14	1,217.14	1,217.14
1900029	MORADA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900031	PADDY	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900032	E NIXON (JOAN)	4,033	2,500	2,237.52	2,535.71	2,535.71	2,535.71	2,535.71	2,535.71
1900034	ARROW	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900035	B DAL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901307	11	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902356	W NIXON (JOAN)	3,710	2,300	2,784.75	2,332.85	2,332.85	2,332.85	2,332.85	2,332.85
8000039	PALM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000060	LANTE (SA1-3)	5,484	3,400	2,922.52	1,057.08	1,057.08	1,057.08	1,057.08	1,057.08
8000185	SA1-1	5,484	3,400	0.00	1,057.08	1,057.08	1,057.08	1,057.08	1,057.08
8000186	SA1-2	4,194	2,600	0.00	808.36	808.36	808.36	808.36	808.36
SUBTOTAL:		28,066	17,400	11,036.88	11,036.79	11,036.79	11,036.79	11,036.79	11,036.79
VALLEY VIEW MUTUAL WATER COMPANY (3)									
1900363	1	768	476	0.00	0.00	0.00	0.00	0.00	0.00
1900364	2	310	192	691.26	813.00	813.00	813.00	813.00	813.00
1900365	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		1,077	668	691.26	813.00	813.00	813.00	813.00	813.00
VIA TRUST									
1903012	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
VIETNAMESE AMERICAN BUDDHIST TEMPLE (1)									
8000191	NA	NA	NA	5.44	3.00	3.00	3.00	3.00	3.00
SUBTOTAL		NA	NA	5.44	3.00	3.00	3.00	3.00	3.00
VULCAN MATERIALS COMPANY (CALMAT COMPANY) (1)									
1902920	E DUR	6,386	3,959	37.38	40.13	40.79	41.46	42.13	42.80
1903088	1 REL	4,068	2,522	427.05	458.41	466.05	473.69	481.33	488.97
8000063	W DUR	NA	NA	60.86	65.33	66.42	67.51	68.60	69.68
NA	TEMP	NA	NA	33.66	36.13	36.73	37.34	37.94	38.54
SUBTOTAL:		10,454	6,481	558.95	600.00	610.00	620.00	630.00	640.00
WHITTIER, CITY OF (3)									
1901745	9	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901746	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901747	11	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901748	12	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901749	13	1,774	1,100	0.99	0.97	0.97	0.97	0.97	0.97
8000021	FROM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000071	15	5,968	3,700	442.52	434.26	434.26	434.26	434.26	434.26
8000110	16	7,259	4,500	4,022.84	3,947.71	3,947.71	3,947.71	3,947.71	3,947.71
8000135	17	6,452	4,000	0.00	0.00	0.00	0.00	0.00	0.00
8000136	18	6,452	4,000	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		27,905	17,300	4,466.35	7,600.00	7,600.00	7,600.00	7,600.00	7,600.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2014-15 TO 2018-19

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2013-14 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2014-15	2015-16	2016-17	2017-18	2018-19
WILMOTT, ERMA M.									
8000006	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
WOODLAND, RICHARD									
1902949	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902950	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
WORKMAN MILL INVESTMENT COMPANY (RINCON DITCH COMPANY) (1)									
1902790	4	2,153	1,335	131.88	100.00	100.00	100.00	100.00	100.00
SUBTOTAL:		2,153	1,335	131.88	100.00	100.00	100.00	100.00	100.00
WORKMAN MILL INVESTMENT COMPANY (RINCON IRRIGATION COMPANY) (1)									
1900132	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900095	2	1,428	885	0.01	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		1,428	885	0.01	0.00	0.00	0.00	0.00	0.00
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK) (1)									
1900052	3	1,192	739	0.00	0.00	0.00	0.00	0.00	0.00
1900094	1	673	417	497.27	500.00	500.00	500.00	500.00	500.00
SUBTOTAL:		1,865	1,156	497.27	500.00	500.00	500.00	500.00	500.00
TOTAL		**596,589**	**372,063**	**233,893.48**	**239,451.36**	**240,759.40**	**239,678.06**	**239,990.00**	**240,151.60**

NOTES :

GROUNDWATER PRODUCTION AND DEMANDS IN ACRE-FEET
GPM : GALLONS PER MINUTE
NA : NOT AVAILABLE
(1) GROUNDWATER DEMANDS PROJECTED BY WATERMASTER
(2) PROJECTED GROUNDWATER DEMANDS PROVIDED BY PRODUCER AND ADJUSTED BY WATERMASTER
(3) PROJECTED GROUNDWATER DEMANDS PROVIDED BY PRODUCER

APPENDIX B.

Simulated Changes in Groundwater Elevations at Wells or Wellfields in Main San Gabriel Basin

B

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
ADAMS RANCH MUTUAL WATER COMPANY						
01	1902106	INACTIVE	149.15	149.10	-0.05	
02	1902689	INACTIVE				
03	8000182	ACTIVE				
ALHAMBRA, CITY OF						
MOEL (08)	1900010	ACTIVE	124.93	122.16	-2.77	PRODUCTION INCREASED
09	1900011	ACTIVE	132.89	132.44	-0.45	
10	1900012	ACTIVE	130.87	129.46	-1.41	
12	1900013	ACTIVE	130.61	129.28	-1.33	
13	1900014	INACTIVE	132.28	130.81	-1.47	
14	1900015	ACTIVE	125.62	122.49	-3.13	PRODUCTION INCREASED
15	1900016	ACTIVE	135.59	130.42	-5.17	PRODUCTION INCREASED
LON 1	1903014	ACTIVE	125.15	121.35	-3.80	PRODUCTION INCREASED
LON 2	1900017	ACTIVE				
GARF	1900018	INACTIVE	137.65	137.44	-0.21	
11	1903014	ACTIVE	126.09	123.53	-2.56	PRODUCTION INCREASED
07	1903097	ACTIVE	125.14	122.40	-2.74	PRODUCTION INCREASED
AMARILLO MUTUAL WATER COMPANY						
01	1900791	ACTIVE	146.17	145.82	-0.35	
02	1900792	INACTIVE				
ARCADIA, CITY OF						
LON 1	1901013	ACTIVE	172.11	173.00	0.89	
LON 2	1901014	ACTIVE	172.50	173.31	0.81	
CAM REAL 3	8000213	ACTIVE	165.99	166.49	0.50	
ST JO 2	8000177	ACTIVE	174.24	174.31	0.07	
BAL 2	1902791	INACTIVE	157.07	156.99	-0.08	
PECK 1	1902854	ACTIVE	169.62	171.34	1.72	
L OAK 1	8000127	ACTIVE	167.37	168.50	1.13	
LGY 3	8000214	ACTIVE	159.82	160.17	0.35	
AZUSA, CITY OF (AZUSA AGRICULTURE WATER COMPANY, AZUSA VALLEY WATER COMPANY)						
05 (01)	1902533	ACTIVE	576.65	575.83	-0.82	
06 (03)	1902535	ACTIVE	572.97	574.00	1.03	
GENESIS 1 (04)	1902536	DESTROYED	229.53	229.52	-0.01	
GENESIS 2 (05)	1902537	INACTIVE	224.27	224.26	-0.01	
GENESIS 3 (06)	1902538	DESTROYED	230.03	230.02	-0.01	
01 (07)	8000072	ACTIVE	593.61	594.29	0.68	

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
03 (08)	8000086	ACTIVE	601.76	605.60	3.84	PRODUCTION REDUCED
02 (1 NORTH)	1902457	ACTIVE	603.25	605.34	2.09	PRODUCTION REDUCED
04 (2 SOUTH)	1902458	ACTIVE	592.96	593.99	1.03	
AVWC 01	1902113	DESTROYED	201.59	201.55	-0.04	
AVWC 02	1902114	DESTROYED	211.48	211.47	-0.01	
08 (AVWC 04)	1902115	ACTIVE	571.61	572.43	0.82	
07 (AVWC 05)	1902116	ACTIVE	572.49	572.55	0.06	
09 (AVWC 06)	1902117	INACTIVE	224.63	224.61	-0.02	
10 (AVWC 08)	8000103	ACTIVE	222.88	222.82	-0.06	
11	8000178	ACTIVE	610.15	613.26	3.11	PRODUCTION REDUCED
12	8000179	ACTIVE	620.24	621.47	1.23	PRODUCTION REDUCED
BASELINE WATER COMPANY						
01	1901200	DESTROYED	939.91	939.79	-0.12	
02	1901201	DESTROYED				
03	1901202	DESTROYED	940.29	940.18	-0.11	
CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM						
STA FE	1900354	ACTIVE	192.58	192.50	-0.08	
B V	1900355	ACTIVE	183.20	183.10	-0.10	
B V 2	8000216	ACTIVE				
MT AVE	1900356	DESTROYED	182.44	182.58	0.14	
FISH C	1900358	INACTIVE	602.39	602.68	0.29	
WILEY	1902907	ACTIVE	580.79	580.23	-0.56	
CR HV	1903018	ACTIVE	195.56	195.74	0.18	
ENCANTO	8000139	ACTIVE	588.38	587.94	-0.44	
LAS L2	8000140	ACTIVE	594.93	594.72	-0.21	
BACON	1900497	ACTIVE	594.57	594.39	-0.18	
CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM						
GUESS	1900918	INACTIVE	147.64	147.59	-0.05	
MIVW 2	1900920	ACTIVE	148.08	147.71	-0.37	
RIC 1	1900921	INACTIVE	142.22	142.22	0.00	
IVAR 1	1900923	DESTROYED	149.41	149.18	-0.23	
GRAND	1900926	ACTIVE	142.85	142.71	-0.14	
ROSEMEAD	1900927	ACTIVE	142.49	142.36	-0.13	
ROANOKE	1900934	INACTIVE	135.25	135.01	-0.24	
LONGDEN	1900935	ACTIVE	127.62	125.40	-2.22	IMPACT FROM SGCWD EXTRACTION
BR 1	1901441	INACTIVE	158.86	158.82	-0.04	

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
HOWLAND	1902424	ACTIVE	155.61	155.44	-0.17	
BR 2	1902787	INACTIVE	157.36	157.32	-0.04	
MAR 3	1903019	ACTIVE	154.55	154.21	-0.34	
DELMAR	1903059	ACTIVE	122.94	120.54	-2.40	IMPACT FROM SGCWD EXTRACTION
HALL 2	8000175	ACTIVE	159.32	159.18	-0.14	
CALIFORNIA COUNTRY CLUB						
ARTES	1902531	STANDBY	171.02	171.57	0.55	
SYCAMORE	1903084	STANDBY	170.89	171.40	0.51	
CALIFORNIA DOMESTIC WATER COMPANY						
02	1901181	ACTIVE	168.58	165.82	-2.76	PRODUCTION INCREASED
06	1902967	ACTIVE	169.40	166.36	-3.04	PRODUCTION INCREASED
03	1903057	ACTIVE	166.70	162.87	-3.83	PRODUCTION INCREASED
08	1903081	ACTIVE	168.90	166.53	-2.37	PRODUCTION INCREASED
05A	8000100	ACTIVE	167.67	164.22	-3.45	PRODUCTION INCREASED
14	8000174	INACTIVE	169.95	167.13	-2.82	
CHAMPION MUTUAL WATER COMPANY						
02	1902816	ACTIVE	172.82	175.61	2.79	IMPACT FROM SGVWC EXTRACTION
03	8000121	ACTIVE				
CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS (QUEEN OF THE VALLEY HOSPITAL)						
NA	8000138	ACTIVE	188.72	188.76	0.04	
COINER, JAMES W., DBA COINER NURSERY (WOODLAND FARM INC.)						
03	1902951	INACTIVE	173.16	172.67	-0.49	
05R	1903072	ACTIVE	173.16	173.04	-0.12	
COVINA, CITY OF						
01	1901685	INACTIVE	238.44	238.44	0.00	
02 (GRAND)	1901686	INACTIVE	317.96	317.95	-0.01	
COVINA IRRIGATING COMPANY						
CONTR	1900881	INACTIVE	221.93	221.89	-0.04	
BAL 3	1900882	ACTIVE	192.15	192.01	-0.14	
BAL 1	1900885	ACTIVE	192.68	192.42	-0.26	
BAL 2	1900883	ACTIVE				
VALEN	1900880	INACTIVE	524.84	524.83	-0.01	
CROWN CITY PLATING COMPANY						
01	8000012	INACTIVE	155.42	155.34	-0.08	

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
DEL RIO MUTUAL WATER COMPANY						
BURKETT	1900331	ACTIVE	167.81	168.69	0.88	
DRIFTWOOD DAIRY						
01	1902924	ACTIVE	163.95	164.65	0.70	
EAST PASADENA WATER COMPANY, LTD.						
09	1901508	ACTIVE	149.51	149.38	-0.13	
11	8000217	ACTIVE				
EL MONTE, CITY OF						
02A	1901692	ACTIVE	163.04	162.93	-0.11	
03	1901693	INACTIVE	164.32	164.26	-0.06	
04	1901694	INACTIVE	165.10	165.03	-0.07	
05	1901695	DESTROYED	162.03	162.05	0.02	
10	1901699	ACTIVE	165.63	165.49	-0.14	
MT VW	1902612	DESTROYED	169.94	169.61	-0.33	
12	1903137	ACTIVE	161.32	161.22	-0.10	
13	8000101	ACTIVE	161.49	161.39	-0.10	
GLENDORA, CITY OF						
11-E	1900826	ACTIVE	583.32	583.11	-0.21	
08-E	1900829	ACTIVE	578.62	576.28	-2.34	PRODUCTION INCREASED
09-E	1900830	ACTIVE				
12-G	1900827	ACTIVE				
10-E	1900828	ACTIVE	592.77	592.55	-0.22	
07-G	1900831	INACTIVE	223.76	223.75	-0.01	
01-E	1901523	INACTIVE	604.75	604.43	-0.32	
13-E	8000184	ACTIVE				
02-E	1901526	ACTIVE	605.84	605.55	-0.29	
03-G	1901525	INACTIVE	215.10	215.08	-0.02	
04-E	1901524	INACTIVE				
05-E	8000149	ACTIVE	579.73	578.12	-1.61	
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRICT						
BAS-3	1902148	ACTIVE	876.58	875.15	-1.43	
BAS-4	1902149	ACTIVE	854.07	852.76	-1.31	
HIGHWAY	1902150	ACTIVE	871.30	869.40	-1.90	
HIGHWAY 2	8000212	ACTIVE	875.71	873.74	-1.97	
ART-3	1902842	ACTIVE	862.22	860.78	-1.44	
COL-4	1902268	INACTIVE	471.22	470.96	-0.26	
COL-6	1902270	INACTIVE	470.26	470.09	-0.17	

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
COL-7	1902271	DESTROYED	500.38	500.31	-0.07	
COL-8	1902272	INACTIVE	679.62	679.58	-0.04	
CITY	1902286	ACTIVE	1004.61	1004.21	-0.40	
MALON	1902287	ACTIVE	982.15	981.53	-0.62	
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL VALLEY DISTRICT						
S G 1	1900510	ACTIVE	121.48	117.92	-3.56	
S G 2	1900511	ACTIVE				
GAR 1	1900513	INACTIVE	137.54	135.35	-2.19	
GAR 2	1900512	INACTIVE				
SAX 1	1900515	DESTROYED	136.80	135.23	-1.57	
SAX 3	1900514	ACTIVE				
SAX 4	8000146	ACTIVE				
EARL 1	1902144	INACTIVE	143.38	142.04	-1.34	
JEF 1	1902017	DESTROYED	172.11	173.07	0.96	
JEF 3	1902019	INACTIVE				
JEF 4	8000111	ACTIVE				
AZU 1	1902020	DESTROYED	161.47	161.61	0.14	
ENC 1	1902024	ACTIVE	147.71	147.66	-0.05	
ENC 2	1902035	ACTIVE	146.37	146.33	-0.04	
ENC 3	8000073	ACTIVE				
PER 1	1902027	ACTIVE	163.74	164.39	0.65	
GRA 1	1902030	INACTIVE	177.76	178.00	0.24	
GRA 2	1902461	INACTIVE				
GID 1	1902032	DESTROYED	161.28	161.33	0.05	
GID 2	1902031	DESTROYED				
FAR 1	1902034	ACTIVE	169.11	170.04	0.93	
FAR 2	1902948	ACTIVE	168.49	169.44	0.95	
HANSON AGGREGATES WEST, INC. (LIVINGSTON-GRAHAM)						
EL 4	1903006	ACTIVE	183.02	183.04	0.02	
EL 1	1901492	ACTIVE	183.47	183.32	-0.15	
EL 3	1901493	ACTIVE				
HARTLEY, DAVID						
NA	8000085	INACTIVE	596.57	596.56	-0.01	
HEMLOCK MUTUAL WATER COMPANY						
NORTH	1901178	ACTIVE	176.33	177.42	1.09	
SOUTH	1902806	ACTIVE				
INDUSTRY WATERWORKS SYSTEM, CITY OF						
01	1902581	INACTIVE	173.00	172.55	-0.45	
03	8000078	STANDBY				
04	8000096	STANDBY				
02	1902582	INACTIVE	172.74	172.27	-0.47	
05	8000097	ACTIVE				(BPOU EXTRACTION WELL)

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
LA PUENTE VALLEY COUNTY WATER DISTRICT						
02	1901460	ACTIVE	182.17	182.04	-0.13	(BPOU EXTRACTION WELL)
04	8000062	STANDBY				
03	1902859	ACTIVE	180.68	180.32	-0.36	(BPOU EXTRACTION WELL)
05	NA	ACTIVE				(BPOU EXTRACTION WELL)
LOS ANGELES, COUNTY OF						
KEY WELL	3030F	MONITORING	188.59	188.57	-0.02	
WHI 1	1902579	INACTIVE	153.29	153.52	0.23	
02	1902580	DESTROYED	157.21	157.35	0.14	
03A	8000150	DESTROYED	152.20	151.88	-0.32	
04	1902664	DESTROYED	150.59	149.99	-0.60	
05	1902665	DESTROYED	149.40	148.63	-0.77	
06	1902666	DESTROYED	149.56	148.89	-0.67	
SF 1	8000070	ACTIVE	197.60	198.03	0.43	
BIG RED	8000088	INACTIVE	159.69	159.94	0.25	
NEW LAKE	8000089	INACTIVE	152.23	152.44	0.21	
MILLERCOORS LLC (MILLER BREWERIES WEST, L.P./MILLER BREWING COMPANY)						
01	8000075	ACTIVE	199.85	199.34	-0.51	
02	8000076	INACTIVE	199.46	199.27	-0.19	
MONROVIA, CITY OF						
02	1900418	ACTIVE	186.69	187.92	1.23	
03	1900419	ACTIVE				
04	1900420	ACTIVE	192.72	193.60	0.88	
05	1940104	ACTIVE	188.78	189.99	1.21	
06	8000171	ACTIVE	189.30	190.19	0.89	
MONROVIA NURSERY						
DIV 4	1902456	DESTROYED	524.84	524.83	-0.01	
MONTEREY PARK, CITY OF						
01	1900453	ACTIVE	139.97	138.04	-1.93	
03	1900455	INACTIVE	135.26	132.48	-2.78	
05	1900457	ACTIVE	127.88	123.25	-4.63	PRODUCTION INCREASED
06	1900458	INACTIVE	136.17	133.48	-2.69	
07	1902372	INACTIVE	148.57	147.76	-0.81	
08	1902373	INACTIVE	149.67	149.03	-0.64	
09	1902690	ACTIVE	148.03	147.00	-1.03	
10	1902818	ACTIVE	123.87	118.98	-4.89	PRODUCTION INCREASED

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
12	1903033	ACTIVE	146.06	144.43	-1.63	
14	1903092	INACTIVE	146.04	145.05	-0.99	
FERN	8000126	ACTIVE	133.22	129.82	-3.40	PRODUCTION INCREASED
15	8000196	ACTIVE	148.73	147.70	-1.03	
OWL ROCK PRODUCTS COMPANY						
NA	1902241	INACTIVE	186.80	186.81	0.01	
NA	1903119	INACTIVE	588.09	587.50	-0.59	IMPACT FROM GLENDORA EXTRACTION
POLOPOLUS ET AL.						
01	1902169	INACTIVE	190.42	190.41	-0.01	
RURBAN HOMES MUTUAL WATER COMPANY						
NORTH 1	1900120	ACTIVE	177.13	178.55	1.42	
SOUTH 2	1900121	ACTIVE				
SAN GABRIEL COUNTRY CLUB						
01	1900547	INACTIVE	130.38	128.69	-1.69	IMPACT FROM ALHAMBRA EXTRACTION
02	1902979	ACTIVE				
SAN GABRIEL COUNTY WATER DISTRICT						
05 BRA	1901669	INACTIVE	145.59	145.53	-0.06	
07	1901671	ACTIVE	127.52	124.11	-3.41	WILL BE REPLACED BY NO. 15
08	1901672	INACTIVE	128.85	128.29	-0.56	
09	1902785	ACTIVE	134.17	133.37	-0.80	.
10	1902786	INACTIVE	139.15	138.88	-0.27	
11	8000067	ACTIVE	139.45	139.36	-0.09	.
12	8000123	ACTIVE	139.32	139.79	0.47	
14	8000133	ACTIVE	133.44	132.22	-1.22	
SAN GABRIEL VALLEY WATER COMPANY						
G4A	1900725	ACTIVE	145.92	145.47	-0.45	
B1	1902635	INACTIVE	164.22	164.44	0.22	
B5A	1900718	INACTIVE	169.97	169.18	-0.79	
B5B	1900719	ACTIVE				(BPOU EXTRACTION WELL)
B5C	8000112	INACTIVE				
B5D	8000160	ACTIVE	171.74	170.71	-1.03	(BPOU EXTRACTION WELL)
B5E	NA	ACTIVE	169.72	169.07	-0.65	(BPOU EXTRACTION WELL)
B25A	8000187	ACTIVE	174.28	173.88	-0.40	PRODUCTION INCREASED (BPOU EXTRACTION WELL)
B25B	8000188	ACTIVE				(BPOU EXTRACTION WELL)
B26A	8000189	ACTIVE	180.21	179.19	-1.02	(BPOU EXTRACTION WELL)
B26B	8000190	ACTIVE				(BPOU EXTRACTION WELL)
8A	1900736	INACTIVE	150.57	150.23	-0.34	

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
8B	1900746	ACTIVE				(SEMOU EXTRACTION WELL)
8C	1900747	ACTIVE				(SEMOU EXTRACTION WELL)
8E	8000113	ACTIVE				
8D	1903103	ACTIVE	150.44	150.14	-0.30	(SEMOU EXTRACTION WELL)
8F	8000169	ACTIVE				
1B	1900729	ACTIVE	163.25	169.94	6.69	PRODUCTION REDUCED
1C	1902946	ACTIVE				
1D	8000102	ACTIVE				
1E	8000172	ACTIVE				
2C	1900749	DESTROYED	161.41	164.78	3.37	PRODUCTION REDUCED
2D	1902857	ACTIVE				
2E	8000065	ACTIVE				
2F	8000197	ACTIVE				
11A	1900739	ACTIVE	161.11	164.82	3.71	PRODUCTION REDUCED
11B	1900745	ACTIVE				
11C	1902713	ACTIVE	165.83	167.81	1.98	PRODUCTION REDUCED
B4B	1902858	INACTIVE	178.70	178.36	-0.34	
B4C	1902947	INACTIVE				
B6C	1903093	ACTIVE	182.83	182.66	-0.17	(BPOU EXTRACTION WELL)
B6D	8000098	ACTIVE				(BPOU EXTRACTION WELL)
B7C	8000068	ACTIVE	180.25	179.91	-0.34	
B7E	8000122	ACTIVE				
B2	1902525	INACTIVE	163.78	164.00	0.22	
B11A	1901439	INACTIVE	176.25	181.40	5.15	PRODUCTION REDUCED
B11B	8000108	ACTIVE				
B11C	NA	PLANNED				
B9B	8000099	ACTIVE	179.48	180.42	0.94	
B24A	8000203	ACTIVE	181.71	176.24	-5.47	PRODUCTION INCREASED
B24B	8000204	ACTIVE				
SIERRA LA VERNE COUNTRY CLUB						
01	8000124	ACTIVE	1030.66	1030.44	-0.22	
02	8000125	INACTIVE	1042.39	1042.22	-0.17	
SONOCO PRODUCTS COMPANY						
01	1912786	ACTIVE	175.70	175.51	-0.19	
02	1902971	ACTIVE				
SOUTH PASADENA, CITY OF						
GRAV 2	1901679	ACTIVE	136.20	135.69	-0.51	
WIL 2	1901681	INACTIVE	125.68	125.44	-0.24	
WIL 3	1901682	ACTIVE	123.76	123.60	-0.16	
WIL 4	1903086	ACTIVE				
SOUTHERN CALIFORNIA EDISON COMPANY						
110RH	8000046	INACTIVE	186.26	186.25	-0.01	
MURAT	8000047	INACTIVE	182.38	182.90	0.52	
2EB76	1900343	INACTIVE	144.77	144.21	-0.56	

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
STERLING MUTUAL WATER COMPANY						
NEW SO.	8000132	ACTIVE	172.21	173.60	1.39	
NORTH	1902096	ACTIVE				
SUBURBAN WATER SYSTEMS						
114W-1	1901613	INACTIVE	214.49	214.50	0.01	
121W-1	8000181	ACTIVE	192.14	192.21	0.07	
125W-2	8000087	INACTIVE	232.84	232.97	0.13	
126W-2	8000092	INACTIVE	236.62	236.82	0.20	
139W-2	1901599	INACTIVE	190.00	189.98	-0.02	
139W-4	8000069	INACTIVE				
139W-5	8000095	INACTIVE	189.57	189.55	-0.02	
139W-6	8000152	INACTIVE				
140W-3	1903067	STANDBY	180.32	180.00	-0.32	
140W-4	8000093	INACTIVE				
140W-5	8000145	ACTIVE				
142W-2	8000183	ACTIVE	187.42	187.52	0.10	
147W-3	8000077	ACTIVE	177.87	179.70	1.83	
151W-2	8000207	ACTIVE	180.57	180.79	0.22	
155W-1	1902819	INACTIVE	214.28	214.24	-0.04	
201W-2	1901430	DESTROYED	149.40	149.42	0.02	
201W-9	8000208	ACTIVE	147.71	148.30	0.59	
201W-4	1901433	DESTROYED				
201W-5	1901432	DESTROYED	152.93	153.18	0.25	
201W-6	1901434	DESTROYED	153.88	154.04	0.16	
201W-7	8000195	ACTIVE	147.39	147.91	0.52	
201W-8	8000198	ACTIVE	149.47	148.68	-0.79	
201W-10	8000210	ACTIVE	153.15	154.27	1.12	
SUNNY SLOPE WATER COMPANY						
08	1900026	ACTIVE	141.89	141.30	-0.59	
09	1902792	ACTIVE				
10	8000048	INACTIVE	149.40	149.27	-0.13	
13	8000157	ACTIVE	138.49	137.28	-1.21	
TYLER NURSERY						
NA	8000049	INACTIVE	160.36	160.42	0.06	
UNITED CONCRETE PIPE CORPORATION						
NA	8000067	INACTIVE	186.33	186.37	0.04	

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
UNITED ROCK PRODUCTS CORPORATION						
IRW-1	1900106	ACTIVE	184.60	184.68	0.08	
IRW-2	1903062	ACTIVE	184.30	184.39	0.09	
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY						
MW4-1	NA	MONITORING	152.98	153.10	0.12	SOUTH EL MONTE OPERABLE UNIT
MW4-2	NA	MONITORING	155.38	155.43	0.05	
MW4-3	NA	MONITORING	152.74	152.86	0.12	
MW4-4	NA	MONITORING	163.01	163.02	0.01	
MW4-5	NA	MONITORING	162.81	162.81	0.00	
MW4-6	NA	MONITORING	162.60	162.61	0.01	
MW4-7	NA	MONITORING	154.88	154.87	-0.01	
MW4-8	NA	MONITORING	156.50	156.57	0.07	
MW4-9	NA	MONITORING	157.12	157.33	0.21	
MW4-10	NA	MONITORING	162.09	162.29	0.20	
MW4-11	NA	MONITORING	166.58	166.89	0.31	
MW5-1	NA	MONITORING	194.29	194.18	-0.11	BALDWIN PARK OPERABLE UNIT
MW5-3	NA	MONITORING	200.97	200.93	-0.04	
MW5-5	NA	MONITORING	185.39	185.33	-0.06	
MW5-8	NA	MONITORING	185.77	185.75	-0.02	
MW5-11	NA	MONITORING	200.71	200.75	0.04	
MW5-13	NA	MONITORING	206.67	206.69	0.02	
MW5-15	NA	MONITORING	187.81	187.79	-0.02	
MW5-17	NA	MONITORING	201.35	201.43	0.08	
MW5-18	NA	MONITORING	203.96	203.96	0.00	
MW5-19	NA	MONITORING	172.90	171.72	-1.18	
MW5-20	NA	MONITORING	180.31	180.13	-0.18	
MW5-22	NA	MONITORING	175.27	174.98	-0.29	
MW5-23	NA	MONITORING	176.93	176.49	-0.44	
MW6-1	NA	MONITORING	179.16	179.13	-0.03	PUENTE VALLEY OPERABLE UINT
MW6-2	NA	MONITORING	172.11	172.29	0.18	
MW6-4	NA	MONITORING	185.98	185.23	-0.75	
MW6-5	NA	MONITORING	187.80	187.18	-0.62	
MW6-6	NA	MONITORING	194.05	193.92	-0.13	
MW6-7	NA	MONITORING	252.92	252.91	-0.01	
MW6-8	NA	MONITORING	340.56	340.56	0.00	

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
EW4-3	NA	REMEDIAL	155.07	155.13	0.06	
EW4-4	NA	REMEDIAL	154.67	154.77	0.10	
EW4-5	8000200	REMEDIAL	152.01	152.21	0.20	WNOU EXTRACTION
EW4-9	NA	REMEDIAL				
EW4-6	8000201	REMEDIAL	151.51	151.58	0.07	
EW4-10	NA	REMEDIAL				
EW4-7	8000202	REMEDIAL	155.26	155.34	0.08	
EW4-8	NA	REMEDIAL	155.26	155.31	0.05	
VALENCIA HEIGHTS WATER COMPANY						
01	8000051	INACTIVE	246.91	248.88	1.97	
02	8000052	INACTIVE				
06	8000180	ACTIVE				
04	8000054	INACTIVE	232.37	232.47	0.10	
05	8000120	ACTIVE	265.70	264.32	-1.38	
07	8000211	ACTIVE				
VALLEY COUNTY WATER DISTRICT						
E MAINE	1900027	ACTIVE	186.66	186.62	-0.04	
W MAINE	1900028	ACTIVE				
MORADA	1900029	INACTIVE	208.69	208.66	-0.03	
E NIXON (JOAN)	1900032	ACTIVE	184.80	184.88	0.08	
W NIXON (JOAN)	1902356	ACTIVE				
ARROW	1900034	INACTIVE	193.63	194.30	0.67	BPOU EXTRACTION
LANTE (SA1-3)	8000060	ACTIVE				
PALM	8000039	INACTIVE	187.19	187.17	-0.02	
B DALTON	1900035	INACTIVE	188.48	188.46	-0.02	
PADDY LN	1900031	INACTIVE	185.61	185.54	-0.07	
SA1-1	8000185	ACTIVE	197.18	196.83	-0.35	BPOU EXTRACTION
SA1-2	8000186	ACTIVE	195.15	194.90	-0.25	BPOU EXTRACTION
VALLEY VIEW MUTUAL WATER COMPANY						
01	1900363	ACTIVE	186.11	186.00	-0.11	
02	1900364	ACTIVE				
VULCAN MATERIALS COMPANY (CALMAT COMPANY)						
DUR E	1902920	ACTIVE	186.11	186.00	-0.11	
DUR W	8000063	ACTIVE				
REL 1	1903088	ACTIVE	203.48	203.28	-0.20	

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2013-14	2018-19		
WHITTIER, CITY OF						
13	1901749	ACTIVE	153.16	153.49	0.33	
15	8000071	ACTIVE	151.02	151.33	0.31	
16	8000110	ACTIVE	149.32	149.67	0.35	
17	8000135	INACTIVE				
18	8000136	INACTIVE	151.01	151.30	0.29	
WOODLAND, RICHARD						
01	1902949	INACTIVE	173.01	172.52	-0.49	
02	1902950	INACTIVE				
WORKMAN MILL INVESTMENT COMPANY (RINCON DITCH COMPANY)						
04	1902790	ACTIVE	154.83	155.01	0.18	
WORKMAN MILL INVESTMENT COMPANY (RINCON IRRIGATION COMPANY)						
02	1900095	INACTIVE	155.50	155.63	0.13	
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK)						
03	1900052	ACTIVE	154.94	155.08	0.14	
01	1900094	INACTIVE	156.09	156.19	0.10	
				AVERAGE CHANGE	**-0.23**	

(1) SIMULATED ELEVATION IN FEET ABOVE MEAN SEA LEVEL
(2) DIFFERENCE BETWEEN 2018-19 AND 2013-14 SIMULATED ELEVATIONS

APPENDIX C.

Highlights of Volatile Organic Compounds and Nitrate Concentrations and Wells Vulnerable to Contamination

C

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
ADAMS RANCH MUTUAL WATER COMPANY									
01	1902106	MUNICIPAL	INACTIVE	TCE	2.2	05/88	ND	02/97	
				NO3	97.0	04/92	38.9	02/97	
				CLO4	NA	NA	NA	NA	
02	1902689	MUNICIPAL	INACTIVE	TCE	3.5	08/86	2.5	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
03	8000182	MUNICIPAL	ACTIVE	TCE	18.5	11/06	12.0	05/14	VULNERABLE
				PCE	6.4	11/13	6.0	05/14	(VOCS) (1)
				NO3	21.0	03/04	20.0	05/14	
				CLO4	ND	08/08	ND	08/13	
				AS	ND	05/03	ND	05/09	
				CR6	1.1	08/13	1.1	08/13	
ALHAMBRA, CITY OF									
07	1903097	MUNICIPAL	ACTIVE	TCE	13.4	08/91	4.6	01/14	VULNERABLE
				PCE	0.8	04/07	ND	04/14	(VOCS AND NO3) (1)
				C-1,2-DCE	1.6	02/05	ND	04/14	
				CTC	0.6	02/85	ND	01/14	
				NO3	53.2	07/93	41.0	07/13	
				CLO4	2.4	10/07	ND	04/14	
				AS	0.7	07/96	ND	07/10	
				CR6	9.0	07/01	6.4	09/13	
09	1900011	MUNICIPAL	ACTIVE	TCE	21.1	08/08	1.0	02/14	VULNERABLE
				C-1,2-DCE	2.3	10/07	ND	02/14	(VOCS AND NO3)
				CF	1.6	04/11	ND	02/14	
				NO3	57.3	06/93	57.0	02/14	
				CLO4	4.7	02/14	4.7	02/14	
				AS	0.9	07/96	ND	02/14	
				CR6	5.7	12/05	3.2	09/13	
10	1900012	IRRIGATION	ACTIVE	TCE	30.1	02/09	22.0	10/10	
				C-1,2-DCE	5.8	03/05	ND	10/10	
				1,1-DCE	0.5	03/05	ND	10/10	
				NO3	56.3	01/07	55.0	10/10	
				CLO4	ND	08/97	ND	08/97	
11	1903014	MUNICIPAL	ACTIVE	PCE	4.7	05/12	3.0	04/14	VULNERABLE
				TCE	4.2	05/89	ND	07/13	(VOCS AND NO3) (1)
				C-1,2-DCE	1.5	04/08	ND	07/13	
				NO3	48.0	10/12	23.0	06/13	
				CLO4	ND	08/97	ND	04/14	
				AS	0.8	07/96	ND	07/09	
				CR6	7.7	06/01	5.4	09/13	
12	1900013	MUNICIPAL	ACTIVE	TCE	39.4	08/08	16.0	07/13	
				PCE	1.7	01/14	1.5	04/14	
				C-1,2-DCE	38.0	01/13	16.0	07/13	
				1,1-DCE	0.8	09/08	0.5	04/14	
				T-1,2-DCE	0.9	09/08	0.6	04/14	
				NO3	41.0	12/12	37.0	06/13	
				CLO4	ND	08/08	ND	04/14	
				AS	ND	08/89	ND	07/11	
				CR6	3.6	09/13	3.6	09/13	
13	1900014	MUNICIPAL	INACTIVE	TCE	0.5	08/07	ND	04/14	
				NO3	59.0	07/13	59.0	07/13	
				CLO4	ND	03/97	ND	01/14	
				AS	8.0	06/78	ND	11/10	
				CR6	7.1	08/01	4.6	09/13	
14	1900015	MUNICIPAL	ACTIVE	TCE	2.4	08/08	0.7	04/14	VULNERABLE
				NO3	46.0	08/12	22.0	11/13	(NO3)
				CLO4	ND	08/97	ND	04/14	
				AS	0.6	07/96	ND	11/10	
				CR6	5.8	06/01	4.0	09/13	
15	1900016	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	10/13	VULNERABLE
				NO3	28.0	10/12	14.0	04/13	(NO3)
				CLO4	ND	08/97	ND	04/14	
				AS	1.5	07/96	ND	04/10	
				CR6	4.1	12/00	2.3	09/13	
GARF	1900018	MUNICIPAL	INACTIVE	TCE	11.0	08/82	ND	09/93	
				PCE	0.5	11/87	ND	09/93	
				CTC	0.1	04/80	ND	09/93	
				1,1,2,2-PCA	1.0	11/87	ND	09/93	
				NO3	68.1	08/89	53.6	09/93	
				CLO4	NA	NA	NA	NA	
				AS	ND	06/80	ND	08/92	
LON 1	1902789	MUNICIPAL	ACTIVE	PCE	0.3	07/81	ND	07/13	VULNERABLE
				NO3	33.0	09/11	27.0	07/13	(NO3 AND CLO4)
				CLO4	5.0	12/97	ND	04/14	
				AS	2.4	07/95	ND	07/10	
				CR6	7.2	06/01	5.0	09/13	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
LON 2	1900017	MUNICIPAL	ACTIVE	PCE	1.3	06/10	ND	04/14	VULNERABLE
				MC	4.3	05/87	ND	04/14	(VOCS, NO3, AND CLO4)
				NO3	50.4	04/86	26.0	04/14	
				CLO4	5.6	07/97	ND	04/14	
				AS	0.8	07/96	ND	04/14	
				CR6	9.5	06/01	9.5	06/01	
MOEL (8)	1900010	MUNICIPAL	ACTIVE	TCE	16.0	07/09	12.0	07/13	VULNERABLE
				PCE	1.6	07/08	1.4	04/14	(VOCS AND NO3) (1)
				C-1,2-DCE	2.3	01/14	1.7	04/14	
				NO3	76.0	07/08	35.0	06/13	
				CLO4	ND	12/99	ND	04/14	
				AS	0.9	07/96	ND	07/11	
				CR6	6.0	06/01	4.4	09/13	
AMARILLO MUTUAL WATER COMPANY									
01	1900791	MUNICIPAL	ACTIVE	PCE	5.5	10/99	1.5	02/14	VULNERABLE
				TCE	1.2	02/08	ND	02/14	(VOCS AND NO3)
				CTC	0.1	08/82	ND	08/13	
				MC	3.2	06/89	ND	08/13	
				NO3	27.4	10/99	11.0	02/14	
				CLO4	ND	08/97	ND	08/13	
				AS	0.5	07/96	ND	08/10	
				CR6	7.3	11/00	4.3	08/13	
02	1900792	MUNICIPAL	INACTIVE	PCE	5.7	02/02	3.7	05/14	
				TCE	1.5	01/99	ND	05/14	
				MC	2.0	06/89	ND	08/13	
				NO3	29.9	02/96	21.0	05/14	
				CLO4	ND	08/97	ND	08/13	
				AS	0.4	07/96	ND	08/10	
				CR6	6.9	08/13	6.9	08/13	
ANDERSON FAMILY MARITAL TRUST									
01	8000079	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
ARCADIA, CITY OF									
BAL 1	1901015	MUNICIPAL	DESTROYED	VOCS	ND	09/98	ND	09/98	
				NO3	52.0	04/78	3.0	09/98	
				CLO4	NA	NA	NA	NA	
BAL 2	1902791	MUNICIPAL	INACTIVE	VOCS	ND	05/89	ND	06/09	
				NO3	33.4	05/08	28.0	06/09	
				CLO4	ND	08/97	ND	07/08	
				AS	0.7	08/96	ND	03/09	
				CR6	11.1	06/01	11.1	06/01	
CAM REAL 1	1902077	MUNICIPAL	DESTROYED	VOCS	ND	01/85	ND	05/92	
				NO3	28.1	05/91	22.4	08/92	
				CLO4	NA	NA	NA	NA	
				AS	ND	03/09	ND	08/92	
CAM REAL 2	1902078	MUNICIPAL	DESTROYED	VOCS	ND	05/89	ND	06/98	
				NO3	58.0	05/92	39.0	05/98	
				CLO4	ND	08/97	ND	12/97	
				AS	0.4	08/96	ND	06/98	
CAM REAL 3	8000213	MUNICIPAL	ACTIVE	VOCS	ND	03/11	ND	12/13	
				NO3	17.0	06/11	16.0	01/14	
				CLO4	ND	03/11	ND	09/13	
				AS	ND	03/10	ND	03/13	
				CR6	6.4	09/13	6.4	09/13	
L OAK 1	8000127	MUNICIPAL	ACTIVE	PCE	1.4	01/08	0.6	05/14	VULNERABLE
				TCE	3.6	09/10	2.9	05/14	(VOCS AND NO3)
				NO3	26.0	01/14	26.0	05/14	
				CLO4	ND	08/97	ND	09/13	
				AS	0.6	08/96	ND	05/14	
				CR6	2.4	06/01	2.2	09/13	
LGY	1902084	MUNICIPAL	DESTROYED	CF	1.0	01/08	1.0	01/08	
				NO3	104.0	01/08	104.0	01/08	
				CLO4	6.0	01/08	6.0	01/08	
LGY 3	8000214	MUNICIPAL	ACTIVE	VOCS	ND	06/11	ND	12/13	
				NO3	9.0	01/14	9.0	01/14	
				CLO4	ND	06/11	ND	09/13	
				AS	ND	03/11	ND	01/14	
				CR6	6.6	09/13	6.6	09/13	
LON 1	1901013	MUNICIPAL	ACTIVE	TCE	30.0	07/87	0.8	04/14	VULNERABLE
				PCE	2.7	07/87	ND	04/14	(VOCS AND NO3) (1)
				1,1-DCE	4.1	06/87	ND	04/14	
				1,2-DCA	1.4	07/87	ND	04/14	
				1,1,1-TCA	4.6	07/87	ND	04/14	
				MC	25.0	09/87	ND	04/14	
				NO3	46.0	01/14	43.0	04/14	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	ND	12/97	ND	09/13	
				AS	ND	04/85	ND	04/14	
				CR6	1.9	11/00	1.5	09/13	
LON 2	1901014	MUNICIPAL	ACTIVE	TCE	62.0	01/85	ND	04/14	VULNERABLE
				PCE	7.7	01/82	ND	04/14	(VOCS AND NO3) (1)
				CTC	2.6	09/87	ND	01/14	
				1,1-DCE	0.9	05/87	ND	01/14	
				1,1,1-TCA	12.0	01/85	ND	01/14	
				NO3	109.1	05/85	56.0	04/14	
				CLO4	ND	07/97	ND	09/13	
				AS	0.7	08/96	ND	03/10	
				CR6	4.4	11/00	2.6	09/13	
PECK 1	1902854	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	04/14	
				NO3	11.0	08/09	2.0	04/14	
				CLO4	ND	08/97	ND	09/13	
				AS	2.4	09/94	ND	04/14	
				CR6	1.0	11/00	0.7	09/13	
ST JO 1	1902358	MUNICIPAL	DESTROYED	TCE	5.4	01/02	4.8	02/02	
				PCE	2.7	08/91	2.2	02/02	
				NO3	60.0	06/96	46.0	06/02	
				CLO4	1.0	08/97	ND	01/02	
				AS	0.3	08/96	ND	06/01	
ST JO 2	8000177	MUNICIPAL	ACTIVE	TCE	2.4	12/09	0.8	04/14	VULNERABLE
				PCE	7.7	12/09	2.9	04/14	(VOCS, NO3, AND CLO4)
				NO3	51.0	12/04	45.0	04/14	
				CLO4	8.6	06/02	ND	09/13	
				AS	ND	06/02	ND	04/14	
				CR6	3.2	11/02	2.4	09/13	
ATTALLA, MARY L.									
NA	8000119	IRRIGATION	INACTIVE	VOCS	ND	09/96	ND	04/98	
				NO3	19.4	04/98	19.4	04/98	
				CLO4	ND	04/98	ND	04/98	
AZUSA ASSOCIATES LLC									
DALTON	1900390	IRRIGATION	DESTROYED	VOCS	ND	03/98	ND	03/98	
				NO3	4.7	03/98	4.7	03/98	
				CLO4	ND	03/98	ND	03/98	
AZUSA, CITY OF									
05	1902533	MUNICIPAL	ACTIVE	TCE	1.0	12/80	ND	08/13	VULNERABLE
(OLD 01)				PCE	0.3	12/80	ND	08/13	(NO3)
				CF	1.7	08/13	1.7	08/13	
				NO3	22.9	07/95	6.1	08/13	
				CLO4	ND	07/97	ND	08/13	
				AS	2.6	07/95	ND	08/10	
				CR6	1.0	11/00	0.2	08/13	
06	1902535	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	08/13	
(OLD 03)				NO3	14.2	03/95	ND	08/13	
				CLO4	ND	07/97	ND	08/13	
				AS	3.5	07/95	ND	08/10	
				CR6	1.0	11/00	0.3	08/13	
GENESIS 1	1902536	MUNICIPAL	DESTROYED	MTBE	1.2	11/98	1.1	11/98	
(OLD 04)				NO3	126.6	06/87	109.8	11/98	
				CLO4	7.2	11/98	7.2	11/98	
				AS	5.0	08/79	ND	02/88	
GENESIS 2	1902537	MUNICIPAL	INACTIVE	TCE	250.0	12/79	3.7	02/08	
(OLD 05)				PCE	95.0	04/80	1.0	02/08	
				1,1-DCE	18.0	02/08	18.0	02/08	
				CF	2.6	02/08	2.6	02/08	
				1,1,1-TCA	2.5	02/08	2.5	02/08	
				NO3	105.5	02/93	15.9	02/08	
				CLO4	ND	11/98	ND	02/08	
				AS	ND	12/89	ND	02/08	
GENESIS 3	1902538	MUNICIPAL	DESTROYED	PCE	3.5	03/97	ND	03/97	
(OLD 06)				TCE	0.1	01/80	ND	03/97	
				NO3	112.9	06/86	ND	04/01	
				CLO4	NA	NA	NA	NA	
01	8000072	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	11/13	
(OLD 07)				NO3	4.5	07/97	ND	08/13	
				CLO4	ND	07/97	ND	08/13	
				AS	5.1	08/95	2.1	08/10	
				CR6	1.0	11/00	0.2	08/13	
03	8000086	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	08/13	
(OLD 08)				NO3	4.4	03/95	ND	08/13	
				CLO4	ND	07/97	ND	08/13	
				AS	5.0	08/06	3.4	08/09	
				CR6	1.0	11/00	0.1	08/13	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
02	1902457	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	08/13	
(01 NORTH)				NO3	5.5	03/92	ND	08/13	
				CLO4	ND	07/97	ND	08/13	
				AS	4.3	07/96	3.8	08/11	
				CR6	1.0	11/00	0.1	08/13	
04	1902458	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/13	
(02 SOUTH)				NO3	5.5	06/89	ND	08/13	
				CLO4	ND	07/97	ND	08/13	
				AS	5.0	08/05	4.3	08/11	
				CR6	1.0	11/00	0.1	08/13	
AVWC 01	1902113	MUNICIPAL	DESTROYED	VOCS	ND	09/97	ND	09/97	
				NO3	55.0	08/87	32.1	09/97	
				CLO4	5.6	09/97	5.6	09/97	
AVWC 02	1902114	MUNICIPAL	DESTROYED	VOCS	ND	01/98	ND	01/98	
				NO3	43.1	01/98	43.1	01/98	
				CLO4	6.9	01/98	6.9	01/98	
08	1902115	MUNICIPAL	ACTIVE	TCE	0.8	03/94	ND	08/13	
(AVWC 04)				CF	0.5	08/04	ND	08/13	
				NO3	12.1	09/94	2.5	08/13	
				CLO4	ND	07/97	ND	08/13	
				AS	4.2	07/95	ND	08/10	
				CR6	1.0	11/00	0.2	08/13	
07	1902116	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/13	VULNERABLE
(AVWC 05)				NO3	24.7	04/95	2.7	08/13	(NO3)
				CLO4	ND	06/97	ND	08/13	
				AS	2.8	07/96	2.0	08/08	
				CR6	1.0	11/00	0.3	08/13	
09	1902117	MUNICIPAL	INACTIVE	PCE	7.4	12/87	0.6	01/99	
(AVWC 06)				NO3	117.7	12/89	84.0	01/99	
				CLO4	NA	NA	NA	NA	
				AS	26.0	06/78	ND	01/99	
AVWC 07	1902425	MUNICIPAL	DESTROYED	TCE	4.5	01/80	ND	03/85	
				NO3	107.0	02/77	39.4	12/85	
				CLO4	NA	NA	NA	NA	
10	8000103	MUNICIPAL	ACTIVE	PCE	1.0	2/12	0.9	05/14	VULNERABLE
(AVWC 08)				CF	1.4	03/94	ND	11/12	(NO3 AND CLO4)
				NO3	66.0	05/08	55.0	05/14	
				CLO4	12.6	08/05	7.3	05/14	
				AS	1.8	07/96	ND	11/09	
				CR6	2.4	11/00	2.2	08/13	
11	8000178	MUNICIPAL	ACTIVE	VOCS	ND	06/02	ND	08/13	
				NO3	3.7	08/08	2.3	08/13	
				CLO4	ND	06/02	ND	08/13	
				AS	4.0	08/05	2.6	08/11	
				CR6	0.2	08/13	0.2	08/13	
12	8000179	MUNICIPAL	ACTIVE	VOCS	ND	06/02	ND	08/13	
				NO3	3.9	08/08	2.4	08/13	
				CLO4	ND	06/02	ND	08/13	
				AS	4.0	08/05	2.6	08/11	
				CR6	0.5	08/13	0.5	08/13	
B & B RED-I-MIX CONCRETE INC.									
03	1902589	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BANKS, GALE & VICKI									
NA	1900415	IRRIGATION	ACTIVE	VOCS	ND	08/96	ND	10/10	
				NO3	20.7	10/98	17.0	10/10	
				CLO4	ND	09/97	ND	09/97	
BASELINE WATER COMPANY									
01	1901200	IRRIGATION	DESTROYED	VOCS	ND	02/98	ND	02/98	
				NO3	99.7	02/98	99.7	02/98	
				CLO4	12.9	02/98	12.9	02/98	
02	1901201	IRRIGATION	DESTROYED	VOCS	ND	11/98	ND	11/98	
				NO3	74.3	11/98	74.3	11/98	
				CLO4	10.6	11/98	10.6	11/98	
03	1901202	IRRIGATION	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BEVERLY ACRES MUTUAL WATER USERS ASSOCIATION									
ROSE HILLS	8000004	MUNICIPAL	DESTROYED	TCE	8.4	10/88	2.5	03/93	
				PCE	6.0	10/88	2.8	03/93	
				C-1,2-DCE	8.0	08/86	2.4	03/93	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	22.5	08/86	14.6	09/90	
				CLO4	NA	NA	NA	NA	
				AS	ND	09/89	ND	08/91	
BIRENBAUM, MAX									
NA	8000005	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BOTELLO WATER COMPANY									
NA	1900635	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BURBANK DEVELOPMENT COMPANY									
BURB	1900093	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM									
B V	1900355	MUNICIPAL	ACTIVE	VOCS	ND	02/85	ND	09/13	
				NO3	3.9	10/10	2.3	12/13	
				CLO4	ND	06/97	ND	09/13	
				AS	6.0	07/93	2.2	10/10	
				CR6	1.0	12/00	0.5	03/13	
B V 2	8000216	MUNICIPAL	ACTIVE	VOCS	ND	3/12	ND	12/13	
				NO3	3.2	12/12	2.6	12/13	
				CLO4	ND	09/12	ND	09/13	
				CR6	1.0	04/11	0.3	09/13	
BACON	1900497	MUNICIPAL	ACTIVE	BF	2.9	09/13	2.9	09/13	
				DBCM	2.5	09/13	2.5	09/13	
				MC	0.6	06/89	ND	09/13	
				NO3	10.0	10/81	3.8	12/13	
				CLO4	ND	06/97	ND	09/13	
				AS	6.0	09/93	ND	12/10	
				CR6	0.4	06/11	0.3	03/13	
CR HV	1903018	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	09/13	
				NO3	8.5	12/13	8.5	12/13	
				CLO4	ND	06/97	ND	09/13	
				AS	3.0	09/04	ND	10/10	
				CR6	1.0	12/00	0.2	03/13	
ENCANTO	8000139	MUNICIPAL	ACTIVE	VOCS	ND	12/92	ND	12/13	
				NO3	11.3	12/92	3.1	12/13	
				CLO4	ND	06/97	ND	09/13	
				AS	4.6	08/95	3.0	10/10	
				CR6	1.0	12/00	0.2	03/13	
FISH C	1900358	MUNICIPAL	INACTIVE	VOCS	ND	02/85	ND	03/14	
				NO3	6.7	11/94	2.5	12/13	
				CLO4	ND	06/97	ND	09/13	
				AS	13.0	09/80	ND	10/10	
				CR6	1.0	12/00	0.1	03/13	
LAS L	1900357	MUNICIPAL	DESTROYED	VOCS	ND	02/85	ND	06/91	
				NO3	12.1	08/80	4.1	09/91	
				CLO4	NA	NA	NA	NA	
				AS	18.0	06/78	ND	11/94	
LAS L2	8000140	MUNICIPAL	ACTIVE	TCE	1.6	08/96	ND	09/13	
				NO3	16.6	12/92	5.1	12/13	
				CLO4	ND	06/97	ND	09/13	
				AS	3.1	08/95	2.2	10/10	
				CR6	1.0	06/01	0.3	03/13	
MT AVE	1900356	MUNICIPAL	DESTROYED	TCE	16.5	07/87	ND	09/93	
				PCE	1.0	08/82	ND	09/93	
				1,1,1-TCA	8.4	04/85	ND	09/93	
				1,1-DCE	3.4	07/87	ND	09/93	
				T-1,2-DCE	2.0	04/85	ND	09/93	
				NO3	65.0	05/89	10.1	09/93	
				CLO4	NA	NA	NA	NA	
				AS	ND	05/89	ND	05/89	
STA FE	1900354	MUNICIPAL	ACTIVE	TCE	3.3	04/84	ND	09/13	VULNERABLE
				CF	0.5	07/87	ND	09/13	(VOCS AND NO3)
				MC	0.5	09/08	ND	09/13	
				NO3	59.0	01/80	3.9	12/13	
				CLO4	ND	06/97	ND	09/13	
				AS	3.0	08/79	ND	10/10	
				CR6	1.0	12/00	0.7	03/13	
WILEY	1902907	MUNICIPAL	ACTIVE	CF	4.2	09/01	ND	09/13	
				NO3	11.0	03/81	3.5	03/14	
				CLO4	ND	06/97	ND	09/13	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				AS	2.0	09/09	ND	10/10	
				CR6	1.0	12/00	0.2	03/13	
CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM									
BR 1	1901441	MUNICIPAL	INACTIVE	CTC	0.5	12/96	0.5	12/96	
				TCE	27.0	07/93	27.0	12/96	
				PCE	9.0	07/93	7.7	12/96	
				NO3	31.4	12/96	31.4	12/96	
				CLO4	NA	NA	NA	NA	
				AS	1.0	03/81	ND	10/81	
BR 2	1902787	MUNICIPAL	INACTIVE	TCE	17.0	12/96	17.0	12/96	
				PCE	6.4	12/96	6.4	12/96	
				NO3	25.3	07/93	25.1	12/96	
				CLO4	NA	NA	NA	NA	
				AS	ND	03/81	ND	10/81	
DELMAR	1903059	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	09/13	
				NO3	18.0	09/13	18.0	09/13	
				CLO4	ND	06/97	ND	09/13	
				AS	5.0	07/96	3.2	09/10	
				CR6	5.2	12/00	4.3	06/11	
GRAND	1900926	MUNICIPAL	ACTIVE	TCE	4.8	03/07	2.1	12/13	VULNERABLE
				PCE	2.1	12/08	0.7	12/13	(VOCS)
				NO3	10.9	09/03	6.9	09/13	
				CLO4	ND	08/97	ND	09/13	
				AS	0.4	07/96	ND	09/09	
				CR6	10.0	06/01	8.6	06/11	
GUESS	1900918	MUNICIPAL	INACTIVE	TCE	5.2	09/99	5.2	12/01	
				PCE	5.4	12/01	5.4	12/01	
				NO3	20.0	05/01	19.0	09/01	
				CLO4	ND	08/97	ND	03/00	
				AS	0.4	07/96	ND	02/01	
				CR6	7.8	10/00	4.8	06/01	
HALL	1900917	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
HALL 2	8000175	MUNICIPAL	ACTIVE	VOCS	ND	03/01	ND	06/13	VULNERABLE
				NO3	23.6	04/01	12.0	09/13	(NO3)
				CLO4	ND	03/00	ND	09/13	
				AS	ND	09/01	ND	09/10	
				CR6	9.6	12/01	7.5	06/11	
HOWLAND	1902424	MUNICIPAL	ACTIVE	TCE	6.9	07/89	ND	03/14	VULNERABLE
				PCE	3.6	03/01	ND	03/14	(VOCS)
				C-1,2-DCE	3.3	11/87	ND	09/13	
				MC	7.5	05/87	ND	09/13	
				NO3	12.4	09/91	4.7	09/13	
				CLO4	ND	08/97	ND	09/13	
				AS	0.7	07/96	ND	09/09	
				CR6	6.6	10/00	5.9	06/11	
IVAR 1	1900923	MUNICIPAL	DESTROYED	PCE	7.4	06/99	6.2	06/00	
				TCE	1.7	06/99	ND	06/00	
				NO3	29.2	09/94	26.0	09/01	
				CLO4	ND	08/97	ND	03/01	
				AS	0.5	10/96	0.5	10/96	
IVAR 2	1902867	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	24.0	12/84	24.0	12/84	
				CLO4	NA	NA	NA	NA	
				AS	ND	10/81	ND	10/81	
LONGDEN	1900935	MUNICIPAL	ACTIVE	PCE	8.6	12/09	4.8	03/14	VULNERABLE
				NO3	69.6	03/08	61.0	03/14	(VOCS, NO3, AND CLO4)
				CLO4	5.1	10/09	ND	03/14	
				AS	4.6	06/01	ND	06/10	
				CR6	3.7	06/11	3.7	06/11	
MAR 1	1900924	MUNICIPAL	DESTROYED	VOCS	ND	01/85	ND	01/85	
				NO3	89.0	03/79	39.0	01/84	
				CLO4	NA	NA	NA	NA	
				AS	2.0	03/81	ND	10/81	
MAR 2	1900925	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	33.0	01/84	33.0	01/84	
				CLO4	NA	NA	NA	NA	
				AS	1.0	03/81	ND	10/81	
MAR 3	1903019	MUNICIPAL	ACTIVE	VOCS	ND	01/85	ND	11/12	
				NO3	6.5	09/12	6.2	11/12	
				CLO4	ND	06/97	ND	11/12	
				AS	1.0	05/00	ND	09/10	
				CR6	8.9	06/01	7.3	06/11	
MIVW 1	1900919	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	31.0	03/01	31.0	03/01	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
MIVW 2	1900920	MUNICIPAL	ACTIVE	VOCS	ND	07/87	ND	09/13	
				NO3	22.0	09/13	22.0	09/13	
				CLO4	ND	06/97	ND	09/13	
				AS	0.6	07/96	ND	09/10	
				CR6	10.0	12/00	8.6	06/11	
RIC 1	1900921	MUNICIPAL	INACTIVE	VOCS	ND	02/85	ND	12/90	
				NO3	23.4	08/89	11.8	11/94	
				CLO4	NA	NA	NA	NA	
				AS	ND	09/80	ND	11/94	
RIC 2	1900922	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
ROANOKE	1900934	MUNICIPAL	INACTIVE	TCE	5.0	06/00	4.7	12/00	
				PCE	1.2	04/90	ND	09/00	
				C-1,2-DCE	0.5	09/00	ND	12/00	
				NO3	33.0	05/89	29.2	12/00	
				CLO4	5.6	06/97	ND	03/00	
				AS	0.8	07/96	ND	02/01	
				CR6	5.0	10/00	4.9	06/01	
ROSEMEAD	1900927	MUNICIPAL	ACTIVE	TCE	6.1	3/12	2.3	12/13	VULNERABLE
				PCE	3.4	03/09	2.4	12/13	(VOCS AND NO3)
				NO3	38.0	12/13	38.0	12/13	
				CLO4	ND	08/97	ND	09/13	
				AS	0.4	07/96	ND	09/11	
				CR6	11.0	10/00	5.2	06/11	
CALIFORNIA COUNTRY CLUB									
ARTES	1902531	IRRIGATION	STANDBY	VOCS	ND	05/87	ND	10/10	VULNERABLE
				NO3	29.0	10/10	29.0	10/10	(NO3)
				CLO4	NA	NA	NA	NA	
CLUB	1902529	IRRIGATION	INACTIVE	PCE	189.0	11/87	189.0	11/87	
				1,1,2,2-PCA	24.0	11/87	24.0	11/87	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SYCAMORE	1903084	IRRIGATION	STANDBY	PCE	7.1	09/02	0.6	10/10	VULNERABLE
				TCE	0.7	09/01	ND	10/10	(VOCS AND NO3)
				NO3	128.0	10/07	19.0	10/10	
				CLO4	ND	02/98	ND	02/98	
CALIFORNIA DOMESTIC WATER COMPANY									
01-E	1901182	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1901181	MUNICIPAL	ACTIVE	CTC	0.7	09/96	ND	04/14	VULNERABLE
				PCE	3.7	09/12	1.3	04/14	(VOCS, NO3, AND CLO4)
				TCE	4.0	10/99	1.2	04/14	
				NO3	24.3	08/96	19.0	04/14	
				CLO4	5.6	10/99	ND	06/13	
				AS	7.4	12/11	2.3	04/14	
				CR6	2.4	11/00	2.2	08/13	
03	1903057	MUNICIPAL	ACTIVE	CTC	5.3	02/01	1.5	04/14	VULNERABLE
				PCE	32.0	11/12	31.0	04/14	(VOCS, NO3 AND CLO4) (1,4)
				TCE	43.0	10/13	39.0	04/14	
				1,1-DCE	6.4	01/14	5.3	04/14	
				C-1,2-DCE	4.2	04/13	4.1	04/14	
				CF	0.7	08/04	ND	04/14	
				NO3	47.6	01/07	20.0	04/14	
				CLO4	12.0	12/12	11.0	06/13	
				AS	3.3	12/11	2.0	04/14	
				CR6	3.3	11/00	2.0	08/13	
05	1901183	MUNICIPAL	DESTROYED	PCE	2.0	02/85	ND	12/90	
				NO3	13.0	03/84	13.0	03/84	
				CLO4	NA	NA	NA	NA	
				AS	40.0	06/78	ND	03/84	
05A	8000100	MUNICIPAL	ACTIVE	CTC	1.9	08/96	ND	04/14	VULNERABLE
				PCE	14.6	10/08	11.0	04/14	(VOCS AND NO3) (1)
				TCE	17.8	10/08	11.0	04/14	
				1,1-DCE	2.7	10/08	2.1	04/14	
				C-1,2-DCE	1.6	10/08	1.4	04/14	
				NO3	29.0	04/01	11.0	04/14	
				CLO4	ND	06/97	ND	06/13	
				AS	3.8	08/95	ND	04/14	
				CR6	1.6	11/00	1.4	08/13	
06	1902967	MUNICIPAL	ACTIVE	CTC	3.5	12/06	ND	04/14	VULNERABLE
				PCE	27.0	01/14	16.0	04/14	(VOCS, NO3, AND CLO4) (1)
				TCE	29.0	01/14	16.0	04/14	
				1,1-DCE	5.0	01/14	2.8	04/14	

APPENDIX C
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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				C-1,2-DCE	2.8	04/13	2.1	04/14	
				NO3	32.0	04/11	29.0	04/14	
				CLO4	5.8	12/12	4.9	06/13	
				AS	3.2	04/04	ND	04/14	
				CR6	1.9	11/00	1.5	08/13	
08	1903081	MUNICIPAL	ACTIVE	PCE	9.8	02/09	1.2	04/14	VULNERABLE
				TCE	12.0	02/09	ND	04/14	(VOCS, NO3, AND CLO4)
				CTC	1.1	09/93	ND	04/14	
				NO3	24.0	08/02	12.0	04/14	
				CLO4	5.6	08/02	ND	03/13	
				AS	6.0	09/94	2.0	04/14	
				CR6	3.2	11/00	2.5	08/13	
13-N	1901185	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
14	8000174	MUNICIPAL	INACTIVE	CTC	4.4	10/07	ND	04/14	
				PCE	16.0	11/12	3.0	04/14	
				TCE	20.0	11/12	3.5	04/14	
				1,2-DCA	1.0	06/08	ND	04/14	
				C-1,2-DCE	1.6	10/12	ND	03/14	
				1,1-DCE	1.9	10/12	ND	03/14	
				CF	1.3	06/08	ND	03/14	
				NO3	72.0	06/13	49.0	03/14	
				CLO4	16.0	12/12	15.0	06/13	
				AS	4.5	04/01	2.0	12/12	
				CR6	3.7	11/00	2.8	08/13	
CEDAR AVENUE MUTUAL WATER COMPANY									
01 SOUTH	1901411	MUNICIPAL	DESTROYED	PCE	2.2	09/90	ND	06/94	
				NO3	26.8	08/93	8.9	06/94	
				CLO4	NA	NA	NA	NA	
				AS	NA	09/89	ND	08/93	
02 NORTH	1902783	MUNICIPAL	DESTROYED	PCE	0.8	04/92	ND	06/94	
				NO3	20.0	01/86	7.4	08/93	
				CLO4	NA	NA	NA	NA	
				AS	ND	09/89	ND	09/92	
CEMEX CONSTRUCTION MATERIALS L.P. (AZ TWO)									
02	1900038	INDUSTRIAL	DESTROYED	PCE	700.0	01/85	2.8	09/03	
				TCE	940.0	04/85	6.3	09/03	
				CTC	2.2	09/02	ND	09/03	
				1,1-DCE	350.0	01/87	7.2	09/03	
				1,1-DCA	1.0	08/01	ND	09/03	
				1,1,1-TCA	430.0	01/87	3.6	09/03	
				VC	19.0	12/87	ND	09/03	
				NO3	79.0	09/02	73.1	09/03	
				CLO4	4.2	06/97	ND	09/98	
CHAMPION MUTUAL WATER COMPANY									
01	1900908	MUNICIPAL	INACTIVE	PCE	3.0	09/86	2.1	09/91	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1902816	MUNICIPAL	ACTIVE	PCE	0.6	05/88	ND	09/13	VULNERABLE
				NO3	28.0	09/10	20.0	03/14	(NO3)
				CLO4	ND	09/97	ND	09/13	
				AS	3.6	08/98	2.0	09/10	
				CR6	1.0	06/01	0.7	09/13	
03	8000121	MUNICIPAL	ACTIVE	PCE	1.3	09/96	ND	12/13	VULNERABLE
				FREON 113	18.0	03/07	ND	03/14	(NO3)
				NO3	24.0	03/09	13.0	03/14	
				CLO4	ND	03/98	ND	12/13	
				AS	13.2	05/98	2.4	03/12	
				CR6	1.0	06/01	1.0	06/01	
CHEVRON USA INC.									
TEMP 1	1900250	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS									
01	8000138	NON-POTABLE	ACTIVE	VOCS	ND	09/96	ND	10/10	VULNERABLE
				NO3	104.8	02/98	83.0	10/10	(NO3, CLO4)
				CLO4	24.0	02/98	24.0	02/98	
CLAYTON MANUFACTURING COMPANY									
02	1901055	INDUSTRIAL	DESTROYED	TCE	150.0	08/01	47.0	09/03	
				PCE	30.0	08/01	ND	09/03	
				1,1-DCE	10.0	08/01	1.7	09/03	
				C-1,2-DCE	1.7	08/01	ND	09/03	
				1,1-DCA	15.0	08/01	ND	09/03	

APPENDIX C
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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				1,2-DCA	13.0	08/01	ND	09/03	
				1,1,1-TCA	1.1	08/01	ND	09/03	
				NO3	87.0	08/01	39.7	09/03	
				CLO4	4.0	09/97	4.0	09/97	
COINER, JAMES W., DBA COINER NURSERY									
03	1902951	NON-POTABLE	INACTIVE	PCE	293.5	02/98	170.0	10/01	
				TCE	10.2	11/87	3.4	10/01	
				CTC	1.6	08/87	1.6	10/01	
				1,1-DCE	6.7	02/98	4.6	10/01	
				C-1,2-DCE	6.8	07/96	2.7	10/01	
				1,1,1-TCA	22.0	02/98	12.0	10/01	
				NO3	67.0	10/01	44.7	09/07	
				CLO4	9.0	02/98	ND	09/98	
05R	1903072	NON-POTABLE	ACTIVE	PCE	7.7	02/98	3.6	10/10	VULNERABLE
				TCE	1.6	10/01	ND	10/10	(VOCS, NO3, AND CLO4)
				CTC	2.7	07/96	ND	10/10	
				1,1-DCE	5.5	10/01	1.3	10/10	
				CF	6.7	02/98	1.1	10/10	
				NO3	110.0	10/09	72.0	10/10	
				CLO4	9.0	02/98	4.0	09/98	
CORCORAN BROTHERS									
01	1902814	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
COUNTY SANITATION DISTRICT NO. 18									
E08A	8000128	REMEDIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
E09A	8000129	REMEDIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
E10A	8000130	REMEDIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
E11A	8000131	REMEDIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX1	8000141	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX2	8000142	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX3	8000143	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX4	8000144	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE1	8000104	REMEDIAL	INACTIVE	TCE	4.2	06/86	3.7	09/86	
				PCE	0.8	09/86	0.8	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE2	8000105	REMEDIAL	INACTIVE	TCE	0.1	06/86	ND	09/86	
				PCE	NA	06/86	ND	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE3	8000106	REMEDIAL	INACTIVE	TCE	1.5	06/86	1.2	09/86	
				PCE	1.6	06/86	0.8	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE4	8000107	REMEDIAL	INACTIVE	TCE	5.1	09/86	5.1	09/86	
				PCE	2.0	09/86	2.0	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
COVINA, CITY OF									
01	1901685	MUNICIPAL	INACTIVE	PCE	0.6	01/99	0.6	01/99	
				NO3	120.0	01/99	120.0	01/99	
				CLO4	NA	NA	NA	NA	
02 (GRAND)	1901686	MUNICIPAL	INACTIVE	VOCS	ND	06/88	ND	09/98	
				NO3	116.0	08/89	103.0	04/99	

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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	23.0	09/97	22.0	09/98	
				AS	3.3	08/97	3.3	08/97	
03	1901687	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	72.0	10/73	72.0	10/73	
				CLO4	NA	NA	NA	NA	
COVINA IRRIGATING COMPANY									
BAL 1	1900885	MUNICIPAL	ACTIVE	TCE	200.0	07/80	ND	10/13	VULNERABLE
				PCE	7.6	07/80	ND	10/13	(VOCS AND NO3) (5)
				1,1-DCE	0.5	10/06	ND	10/13	
				MC	0.9	10/06	ND	10/13	
				NO3	35.5	12/89	4.7	01/14	
				CLO4	1.5	10/06	ND	07/13	
				AS	4.7	12/89	3.2	01/11	
				CR6	1.0	10/00	0.2	07/13	
BAL 2	1900883	MUNICIPAL	ACTIVE	TCE	195.0	06/80	ND	10/13	VULNERABLE
				PCE	7.9	06/80	ND	10/13	(VOCS, NO3 AND CLO4) (5)
				1,1-DCE	0.8	07/07	ND	04/14	
				NO3	47.0	03/10	20.0	04/14	
				CLO4	5.5	03/09	ND	04/14	
				AS	4.0	08/76	3.4	07/11	
				CR6	1.0	10/00	0.5	07/13	
BAL 3	1900882	MUNICIPAL	ACTIVE	TCE	225.0	01/80	ND	10/13	VULNERABLE
				PCE	10.0	02/85	ND	10/13	(VOCS, NO3 AND CLO4) (5)
				CTC	3.0	04/85	ND	10/13	
				1,1-DCA	4.0	04/85	ND	10/13	
				1,2-DCA	3.7	02/85	ND	10/13	
				1,1-DCE	2.1	04/85	ND	10/13	
				T-1,2-DCE	2.9	02/85	ND	10/13	
				1,1,1-TCA	5.2	04/85	ND	10/13	
				NO3	57.3	08/89	23.0	04/14	
				CLO4	5.6	09/08	ND	04/14	
				AS	3.0	10/96	2.8	10/11	
				CR6	1.0	11/00	0.8	07/13	
CONTR	1900881	MUNICIPAL	INACTIVE	PCE	1.4	12/92	1.3	03/94	
				NO3	125.3	12/89	108.0	03/94	
				CLO4	NA	NA	NA	NA	
				AS	ND	12/89	ND	12/92	
VALEN	1900880	MUNICIPAL	INACTIVE	PCE	2.4	08/85	0.6	09/97	
				NO3	73.0	06/81	69.3	09/97	
				CLO4	6.4	09/97	6.4	09/97	
CREVOLIN, A.J.									
NA	8000011	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
CROWN CITY PLATING COMPANY									
01	8000012	INDUSTRIAL	INACTIVE	TCE	1.2	09/04	1.2	09/04	
				T-1,2-DCE	1.4	05/87	ND	09/04	
				NO3	7.4	09/04	3.4	09/08	
				CLO4	ND	09/97	ND	10/07	
DAVIDSON OPTRONICS INC.									
NA	8000013	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
DAWES, MARY K.									
04	1902952	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
DEL RIO MUTUAL WATER COMPANY									
BURKETT	1900331	MUNICIPAL	ACTIVE	TCE	2.2	06/90	ND	09/13	VULNERABLE
				PCE	3.7	03/97	ND	09/13	(VOCS AND NO3)
				NO3	31.0	12/03	9.5	09/13	
				CLO4	ND	09/97	ND	09/13	
				AS	2.6	03/02	ND	09/11	
				CR6	3.4	07/01	0.7	09/13	
KLING	1900332	MUNICIPAL	INACTIVE	PCE	1.3	08/86	ND	02/89	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
DRIFTWOOD DAIRY									
01	1902924	INDUSTRIAL	ACTIVE	PCE	13.9	06/98	13.9	06/98	VULNERABLE
				1,1,1-TCA	0.3	03/93	ND	06/98	(VOCS AND NO3)
				NO3	65.1	03/93	46.8	06/98	
				CLO4	ND	06/98	ND	06/98	

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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
DUNNING, GEORGE									
1910	1900091	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EAST PASADENA WATER COMPANY, LTD.									
09	1901508	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	07/13	
				NO3	6.4	09/12	6.2	06/13	
				CLO4	ND	07/97	ND	06/13	
				AS	0.9	08/96	ND	03/09	
				CR6	9.4	07/01	7.7	09/13	
11	8000217	MUNICIPAL	ACTIVE	VOCS	ND	12/11	ND	04/14	
				NO3	3.1	06/13	3.1	06/13	
				CLO4	ND	12/11	ND	06/13	
				CR6	5.4	09/13	5.4	09/13	
EL MONTE, CITY OF									
02A	1901692	MUNICIPAL	ACTIVE	PCE	13.0	03/98	6.2	04/14	VULNERABLE
				TCE	5.3	01/95	1.6	04/14	(VOCS AND NO3) (1)
				NO3	31.2	06/12	10.0	04/14	
				CLO4	ND	07/97	ND	07/13	
				AS	10.0	03/73	ND	07/11	
				CR6	2.0	12/00	1.9	07/13	
03	1901693	MUNICIPAL	INACTIVE	PCE	23.6	12/00	15.0	06/13	
				1,1,1-TCA	1.0	11/93	ND	07/12	
				NO3	71.6	08/89	48.5	06/13	
				CLO4	ND	07/97	ND	07/12	
				AS	10.0	03/73	ND	09/10	
				CR6	2.4	07/13	2.4	07/13	
04	1901694	MUNICIPAL	INACTIVE	PCE	16.2	03/84	0.6	01/08	
				TCE	7.8	02/80	ND	12/07	
				NO3	44.4	12/07	40.3	01/08	
				CLO4	ND	07/97	ND	07/03	
				AS	10.0	03/73	ND	12/07	
				CR6	2.8	07/01	2.8	07/01	
05	1901695	MUNICIPAL	DESTROYED	TCE	150.0	07/93	70.0	12/96	
				PCE	51.0	07/93	32.0	12/96	
				CTC	4.3	07/93	1.4	12/96	
				NO3	53.9	12/96	26.3	06/99	
				CLO4	5.9	06/97	5.9	06/97	
				AS	10.0	04/73	10.0	04/73	
10	1901699	MUNICIPAL	ACTIVE	TCE	7.2	09/81	0.7	04/14	VULNERABLE
				PCE	17.7	12/93	3.2	04/14	(VOCS AND NO3) (1)
				NO3	32.0	01/13	8.9	04/14	
				CLO4	ND	06/97	ND	07/13	
				AS	20.0	03/73	ND	04/14	
				CR6	1.5	03/02	1.3	07/13	
11	1901700	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	21.6	07/79	21.6	07/79	
				CLO4	NA	NA	NA	NA	
				AS	20.0	03/73	3.0	08/79	
12	1903137	MUNICIPAL	ACTIVE	TCE	53.2	06/92	31.0	01/14	VULNERABLE
				PCE	21.0	01/11	15.0	01/14	(VOCS AND NO3)
				CTC	1.0	06/92	ND	01/14	
				NO3	41.0	06/05	26.0	01/14	
				CLO4	ND	06/97	ND	07/13	
				AS	ND	05/84	ND	07/11	
				CR6	4.1	07/01	3.7	07/13	
13	8000101	MUNICIPAL	ACTIVE	PCE	3.2	07/09	2.1	04/14	VULNERABLE
				TCE	4.9	07/12	2.2	04/14	(VOCS) (3)
				NO3	18.0	07/12	15.0	07/13	
				CLO4	ND	07/97	ND	07/13	
				AS	1.3	08/96	ND	07/10	
				CR6	3.7	07/13	3.7	07/13	
MT VW	1902612	IRRIGATION	DESTROYED	PCE	2.1	08/85	ND	01/01	
				TCE	2.0	01/85	ND	01/01	
				NO3	30.0	02/87	10.0	01/01	
				CLO4	ND	09/97	ND	11/97	
				AS	ND	02/84	ND	02/84	
EL MONTE CEMETERY ASSOCIATION									
NA	8000017	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
FRUIT STREET WATER COMPANY									
NA	1901199	IRRIGATION	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
GATES, JAMES RICHARD									
GATES 1	8000215	IRRIGATION	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
GIFFORD, BROOKS JR.									
01	1902144	NA	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
GLENDORA, CITY OF									
01-E	1901523	MUNICIPAL	INACTIVE	TCE	0.8	12/80	ND	09/07	
				NO3	38.1	10/68	35.0	08/08	
				CLO4	ND	06/97	ND	03/03	
				AS	2.8	07/98	ND	03/08	
				CR6	1.0	05/01	1.0	05/01	
02-E	1901526	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	09/13	VULNERABLE
				NO3	70.0	05/78	7.3	09/13	(NO3)
				CLO4	ND	07/97	ND	09/13	
				AS	0.7	08/96	ND	09/10	
				CR6	1.0	11/00	0.4	09/13	
03-G	1901525	MUNICIPAL	INACTIVE	TCE	0.5	12/79	ND	05/97	
				PCE	0.5	05/97	0.5	05/97	
				NO3	162.4	08/83	111.0	08/99	
				CLO4	NA	NA	NA	NA	
04-E	1901524	MUNICIPAL	INACTIVE	TCE	0.7	08/80	ND	08/91	
				PCE	0.1	07/81	ND	08/91	
				NO3	126.0	06/83	56.8	08/91	
				CLO4	NA	NA	NA	NA	
				AS	ND	07/74	ND	07/74	
05-E	8000149	MUNICIPAL	ACTIVE	VOCS	ND	02/95	ND	09/13	
				NO3	3.2	05/95	ND	06/13	
				CLO4	ND	07/97	ND	09/13	
				AS	5.3	04/98	2.6	06/10	
				CR6	1.0	11/00	0.2	09/13	
07-G	1900831	MUNICIPAL	INACTIVE	TCE	302.0	01/81	ND	04/98	
				PCE	25.0	01/81	1.9	04/98	
				1,1-DCE	435.0	05/84	ND	04/98	
				C-1,2-DCE	21.0	05/82	ND	04/98	
				1,1-DCA	5.0	05/84	ND	04/98	
				1,2-DCA	12.1	12/93	ND	04/98	
				1,1,1-TCA	3200.0	05/84	64.0	04/98	
				NO3	106.0	04/98	75.9	04/98	
				CLO4	5.3	04/98	5.3	04/98	
				AS	ND	07/74	ND	08/95	
08-E	1900829	MUNICIPAL	ACTIVE	MC	0.7	08/02	ND	03/14	
				NO3	6.6	08/86	ND	09/13	
				CLO4	ND	07/97	ND	09/13	
				AS	3.2	08/96	2.0	09/11	
				CR6	1.0	11/00	0.2	09/13	
09-E	1900830	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	09/13	
				NO3	4.1	08/96	ND	09/13	
				CLO4	ND	07/97	ND	09/13	
				AS	2.5	05/98	2.2	09/11	
				CR6	1.0	11/00	0.1	09/13	
10-E	1900828	MUNICIPAL	ACTIVE	CF	1.9	07/97	ND	03/14	VULNERABLE
				NO3	78.0	05/77	32.0	03/14	(NO3)
				CLO4	ND	07/97	ND	03/14	
				AS	7.0	08/79	ND	03/14	
				CR6	1.0	11/00	0.9	09/13	
11-E	1900826	MUNICIPAL	ACTIVE	VOCS	ND	05/82	ND	09/13	VULNERABLE
				NO3	117.5	08/73	37.0	03/14	(NO3, AND CLO4)
				CLO4	4.9	12/10	ND	03/14	
				AS	3.2	07/98	ND	09/10	
				CR6	1.4	09/13	1.4	09/13	
12-G	1900827	MUNICIPAL	ACTIVE	TCE	0.9	12/80	ND	09/13	VULNERABLE
				MC	2.2	05/89	ND	09/13	(VOCS)
				NO3	4.7	07/98	ND	09/13	
				CLO4	ND	06/97	ND	09/13	
				AS	4.4	07/97	2.3	09/09	
				CR6	1.0	11/00	0.2	09/13	
13-E	8000184	MUNICIPAL	ACTIVE	BF	0.7	06/04	ND	03/14	VULNERABLE
				NO3	29.0	12/09	12.0	03/14	(NO3)
				CLO4	ND	06/04	ND	09/13	
				AS	ND	06/07	ND	06/10	
				CR6	0.6	09/13	0.6	09/13	

APPENDIX C
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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
GOEDERT, LILLIAN									
GOEDERT	8000159	IRRIGATION	DESTROYED	VOCS	ND	06/98	ND	06/98	
				NO3	7.0	06/98	7.0	06/98	
				CLO4	ND	06/98	ND	06/98	
GOLDEN STATE WATER COMPANY/SAN DIMAS DISTRICT									
ART-1	1902151	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	60.0	10/74	60.0	10/74	
				CLO4	NA	NA	NA	NA	
				AS	ND	07/74	ND	07/74	
ART-2	1902152	MUNICIPAL	DESTROYED	VOCS	ND	06/89	ND	05/07	
				NO3	26.2	08/07	9.4	09/07	
				CLO4	ND	08/97	ND	09/07	
				AS	0.8	08/96	ND	05/07	
ART-3	1902842	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	05/14	VULNERABLE
				NO3	140.0	05/14	140.0	05/14	(NO3 AND CLO4) (4)
				CLO4	21.0	05/14	21.0	05/14	
				AS	0.7	08/96	ND	05/10	
				CR6	1.0	07/01	1.0	07/01	
BAS-3	1902148	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	05/14	VULNERABLE
				NO3	86.0	05/14	86.0	05/14	(NO3 AND CLO4) (4)
				CLO4	17.0	03/03	13.0	05/14	
				AS	4.0	08/76	ND	05/10	
				CR6	1.5	11/00	1.3	07/01	
BAS-4	1902149	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	05/14	VULNERABLE
				NO3	110.0	01/13	80.0	05/14	(NO3 AND CLO4)
				CLO4	23.0	03/13	15.0	05/14	
				AS	1.0	08/96	ND	05/10	
				CR6	1.8	12/00	1.7	07/01	
CITY	1902286	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	05/08	VULNERABLE
				NO3	44.7	09/93	31.0	11/08	(NO3)
				CLO4	ND	08/97	ND	08/08	
				AS	0.7	08/96	ND	08/06	
COL-1	1902266	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	93.0	09/75	10.0	10/76	
				CLO4	NA	NA	NA	NA	
COL-2	1902267	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	117.5	10/76	117.5	10/76	
				CLO4	NA	NA	NA	NA	
				AS	18.0	06/78	18.0	06/78	
COL-4	1902268	MUNICIPAL	INACTIVE	CF	7.5	09/97	ND	11/13	
				NO3	64.0	03/83	28.0	02/14	
				CLO4	2.9	04/11	ND	11/13	
				AS	0.7	08/96	ND	02/10	
				CR6	1.0	07/01	1.0	07/01	
COL-5	1902269	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
COL-6	1902270	MUNICIPAL	INACTIVE	PCE	7.2	07/85	ND	02/11	
				CF	0.6	09/97	ND	08/10	
				NO3	56.0	06/85	36.0	03/11	
				CLO4	2.1	03/11	2.1	03/11	
				AS	4.0	08/76	ND	05/10	
				CR6	1.0	07/01	1.0	07/01	
COL-7	1902271	MUNICIPAL	DESTROYED	PCE	22.0	12/87	3.1	11/99	
				TCE	9.9	01/80	ND	09/99	
				1,1-DCE	1.1	03/85	ND	09/99	
				1,1,1-TCA	1.7	07/85	ND	09/99	
				NO3	118.0	05/79	68.1	01/00	
				CLO4	4.2	01/02	4.2	01/02	
				AS	0.9	08/96	ND	01/00	
COL-8	1902272	MUNICIPAL	INACTIVE	PCE	0.2	09/80	ND	12/96	
				NO3	120.0	06/83	50.8	12/96	
				CLO4	NA	NA	NA	NA	
				AS	6.0	08/79	ND	03/85	
HIGHWAY	1902150	MUNICIPAL	ACTIVE	TCE	0.6	12/80	ND	05/14	VULNERABLE
				PCE	0.1	12/80	ND	05/14	(NO3 AND CLO4) (4)
				NO3	42.5	10/03	26.0	05/14	
				CLO4	8.0	10/03	ND	05/14	
				AS	0.8	08/96	ND	05/10	
				CR6	1.0	07/01	1.0	07/01	
HIGHWAY 2	8000212	MUNICIPAL	ACTIVE	CF	1.4	10/10	ND	02/14	
				NO3	22.0	05/14	22.0	05/14	
				CLO4	ND	10/10	ND	05/14	
				AS	ND	10/10	ND	10/10	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CR6	1.7	10/10	1.7	10/10	
L HILL 2	1902154	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MALON	1902287	MUNICIPAL	ACTIVE	CF	1.7	08/96	ND	05/14	VULNERABLE
				NO3	42.0	09/87	26.0	05/14	(NO3)
				CLO4	ND	08/97	ND	08/13	
				AS	0.7	08/96	ND	08/09	
				CR6	1.0	07/01	1.0	07/01	
GOLDEN STATE WATER COMPANY/SAN GABRIEL VALLEY DISTRICT									
AZU 1	1902020	MUNICIPAL	DESTROYED	TCE	15.0	07/93	0.6	01/95	
				PCE	1.9	07/93	ND	01/95	
				NO3	72.9	12/90	35.0	07/02	
				CLO4	NA	NA	NA	10/02	
				AS	0.6	08/96	0.6	08/96	
EARL 1	1902144	MUNICIPAL	INACTIVE	PCE	6.0	09/03	6.0	09/03	
				NO3	7.2	08/03	7.1	09/03	
				CLO4	ND	08/97	ND	08/03	
				AS	0.5	08/96	ND	07/01	
ENC 1	1902024	MUNICIPAL	ACTIVE	TCE	21.0	04/03	6.3	05/14	VULNERABLE
				PCE	3.5	04/03	2.2	05/14	(VOCS, NO3 AND CLO4) (1)
				CF	0.9	08/00	ND	11/13	
				NO3	77.6	08/91	21.0	05/14	
				CLO4	5.7	02/13	ND	11/13	
				AS	ND	07/89	ND	02/10	
				CR6	8.2	07/01	8.2	07/01	
ENC 2	1902035	MUNICIPAL	ACTIVE	TCE	29.1	02/01	6.3	05/14	VULNERABLE
				PCE	6.1	02/01	1.6	05/14	(VOCS) (1)
				NO3	21.0	02/09	7.9	05/14	
				CLO4	1.5	03/10	ND	08/13	
				AS	0.7	08/96	ND	08/11	
				CR6	7.2	02/01	7.2	12/01	
ENC 3	8000073	MUNICIPAL	ACTIVE	TCE	17.0	02/14	17.0	05/14	VULNERABLE
				PCE	6.7	02/14	6.0	05/14	(VOCS AND NO3) (1)
				NO3	43.2	07/93	21.0	05/14	
				CLO4	1.9	03/10	ND	05/14	
				AS	16.3	07/90	ND	08/11	
				CR6	8.0	09/01	8.0	09/01	
FAR 1	1902034	MUNICIPAL	ACTIVE	TCE	11.9	10/80	0.9	02/14	VULNERABLE
				PCE	3.1	10/87	ND	02/14	(VOCS)
				NO3	13.0	07/89	3.1	05/13	
				CLO4	ND	08/97	ND	05/13	
				AS	2.7	08/97	ND	05/10	
				CR6	1.0	02/01	1.0	09/01	
FAR 2	1902948	MUNICIPAL	ACTIVE	TCE	12.9	07/80	1.3	05/14	VULNERABLE
				PCE	2.6	10/87	ND	08/13	(VOCS)
				NO3	12.2	07/90	3.2	08/13	
				CLO4	ND	08/97	ND	08/13	
				AS	0.9	08/96	ND	08/11	
				CR6	1.1	12/00	1.0	07/01	
GAR 1	1900513	MUNICIPAL	INACTIVE	CF	0.8	08/99	ND	07/03	
				PCE	4.5	10/03	4.5	10/03	
				NO3	8.3	08/03	7.7	09/03	
				CLO4	ND	08/97	ND	08/03	
				AS	0.5	08/96	ND	08/03	
GAR 2	1900512	MUNICIPAL	INACTIVE	PCE	12.0	07/03	11.0	08/03	
				TCE	2.2	08/03	2.2	08/03	
				NO3	7.3	08/97	4.6	07/02	
				CLO4	ND	08/97	ND	08/03	
				AS	0.5	08/96	ND	08/00	
GID 1	1902032	MUNICIPAL	DESTROYED	TCE	6.6	04/85	4.1	09/93	
				PCE	0.9	09/93	0.9	09/93	
				NO3	40.6	09/93	40.6	09/93	
				CLO4	NA	NA	NA	NA	
GID 2	1902031	MUNICIPAL	DESTROYED	TCE	86.0	05/87	5.2	09/93	
				PCE	20.0	05/87	1.5	09/93	
				CTC	3.0	05/87	ND	09/93	
				NO3	45.8	09/93	45.8	09/93	
				CLO4	NA	NA	NA	NA	
GRA 1	1902030	MUNICIPAL	INACTIVE	TCE	33.0	09/88	25.4	11/94	
				PCE	2.5	11/93	0.6	11/94	
				NO3	86.8	08/89	44.4	07/95	
				CLO4	NA	NA	NA	NA	
				AS	18.0	06/78	ND	08/94	
GRA 2	1902461	MUNICIPAL	INACTIVE	TCE	31.3	08/89	24.6	08/94	
				PCE	3.3	09/94	3.3	09/94	

APPENDIX C
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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				1,1-DCE	4.8	08/94	4.8	08/94	
				NO3	82.1	07/90	44.2	07/95	
				CLO4	NA	NA	NA	NA	
				AS	ND	01/89	ND	08/94	
JEF 1	1902017	MUNICIPAL	DESTROYED	TCE	340.0	01/80	98.0	01/85	
				PCE	23.0	03/81	8.0	01/85	
				1,1,1-TCA	31.0	01/85	31.0	01/85	
				MC	10.0	01/85	10.0	01/85	
				NO3	52.0	07/83	48.7	03/86	
				CLO4	NA	NA	NA	NA	
JEF 2	1902018	MUNICIPAL	DESTROYED	TCE	260.0	01/80	140.0	01/85	
				PCE	15.0	03/81	6.0	01/85	
				1,1-DCE	20.0	01/85	20.0	01/85	
				1,1,1-TCA	54.0	01/85	54.0	01/85	
				MC	6.0	01/85	6.0	01/85	
				NO3	68.0	06/77	61.0	06/79	
				CLO4	NA	NA	NA	NA	
JEF 3	1902019	MUNICIPAL	INACTIVE	TCE	121.0	02/81	4.9	08/92	
				PCE	12.0	03/81	0.6	08/92	
				1,1,1-TCA	29.0	04/85	ND	08/92	
				T-1,2-DCE	2.4	04/85	ND	08/92	
				NO3	52.0	12/84	23.5	08/92	
				CLO4	NA	NA	NA	NA	
				AS	ND	12/84	ND	08/86	
JEF 4	8000111	MUNICIPAL	ACTIVE	VOCS	ND	08/89	ND	08/13	
				NO3	14.7	07/89	3.2	08/13	
				CLO4	ND	08/97	ND	08/13	
				AS	0.7	08/96	ND	08/09	
				CR6	1.3	07/01	1.3	07/01	
PER 1	1902027	MUNICIPAL	ACTIVE	TCE	25.8	10/80	0.9	05/14	VULNERABLE
				PCE	6.8	07/87	ND	05/14	(VOCS AND NO3)
				NO3	38.0	12/11	14.0	05/14	
				CLO4	ND	08/97	ND	08/13	
				AS	0.9	08/96	ND	08/09	
				CR6	5.2	07/01	5.2	07/01	
S G 1	1900510	MUNICIPAL	ACTIVE	PCE	46.0	04/06	8.5	05/14	VULNERABLE
				TCE	6.8	12/03	0.6	05/14	(NO3 AND CLO4) (1)
				C-1,2-DCE	1.8	11/04	ND	05/14	
				1,1-DCA	1.8	06/04	ND	05/14	
				1,1-DCE	0.7	11/04	ND	05/14	
				FREON 11	1.2	08/03	ND	08/13	
				NO3	27.0	04/02	12.0	05/14	
				CLO4	8.1	08/03	ND	05/14	
				AS	2.7	08/94	ND	08/10	
				CR6	5.9	12/01	1.1	08/03	
S G 2	1900511	MUNICIPAL	ACTIVE	PCE	28.0	05/11	1.7	05/14	VULNERABLE
				TCE	3.6	06/99	ND	05/14	(VOCS, NO3 AND CLO4)
				1,1-DCE	0.7	04/11	ND	11/13	
				C-1,2-DCE	1.2	02/01	ND	05/14	
				NO3	53.1	10/05	38.0	05/14	
				CLO4	7.0	02/03	ND	05/14	
				AS	0.8	08/96	ND	10/05	
				CR6	5.5	07/12	5.5	07/12	
SAX 1	1900515	MUNICIPAL	DESTROYED	PCE	1.4	04/97	0.9	12/97	
				MC	2.2	04/89	ND	08/97	
				NO3	33.1	10/97	33.1	10/97	
				CLO4	ND	08/97	ND	12/97	
				AS	0.3	08/96	0.3	08/96	
SAX 3	1900514	MUNICIPAL	ACTIVE	VOCS	ND	04/89	ND	08/13	VULNERABLE
				NO3	27.3	11/96	2.5	08/13	(NO3)
				CLO4	ND	08/97	ND	08/13	
				AS	0.4	08/96	ND	08/10	
SAX 4	8000146	MINICIPAL	ACTIVE	VOCS	ND	03/92	ND	08/13	
				NO3	11.9	08/99	5.7	08/13	
				CLO4	ND	08/97	ND	08/13	
				AS	5.2	12/09	4.6	08/10	
				CR6	4.4	07/01	4.4	07/01	
GREEN, WALTER									
NA	8000027	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
NA	8000028	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
HALL (W.E.) COMPANY									
NA	1902496	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
HANSEN, ALICE									
2946C	8000029	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
HANSON AGGREGATES WEST, INC.									
DUA 1	1900961	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EL 1	1901492	INDUSTRIAL	ACTIVE	VOCS	ND	05/98	ND	09/02	
				NO3	17.0	02/93	2.2	09/02	
				CLO4	ND	03/98	ND	03/98	
EL 3	1901493	INDUSTRIAL	ACTIVE	VOCS	ND	06/98	ND	09/02	
				NO3	22.0	05/93	2.8	09/02	
				CLO4	ND	03/98	ND	03/98	
EL 4	1903006	INDUSTRIAL	ACTIVE	VOCS	ND	12/87	ND	09/02	
				NO3	6.3	06/98	ND	09/02	
				CLO4	NA	NA	NA	NA	
KIN 1	1900963	INDUSTRIAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
HARTLEY, DAVID									
NA	8000085	DOMESTIC	INACTIVE	VOCS	ND	10/95	ND	10/95	
				NO3	111.0	01/96	75.0	04/96	
				CLO4	NA	NA	NA	NA	
HEMLOCK MUTUAL WATER COMPANY									
NORTH	1901178	MUNICIPAL	ACTIVE	PCE	51.7	04/82	ND	09/13	VULNERABLE
				TCE	0.7	12/87	ND	09/13	(VOCS) (1)
				NO3	18.9	12/06	5.0	12/13	
				CLO4	ND	09/97	ND	09/13	
				AS	2.7	12/08	ND	12/11	
				CR6	1.0	12/00	0.5	09/13	
SOUTH	1902806	MUNICIPAL	ACTIVE	PCE	210.0	12/87	ND	03/14	VULNERABLE
				TCE	0.9	04/89	ND	09/13	(VOCS AND NO3) (1)
				NO3	32.7	12/94	4.3	03/14	
				CLO4	ND	09/97	ND	09/13	
				AS	2.1	08/96	ND	12/01	
				CR6	1.1	12/00	0.6	09/13	
INDUSTRY WATERWORKS SYSTEM, CITY OF									
01	1902581	MUNICIPAL	INACTIVE	TCE	40.0	01/80	1.7	10/92	
				PCE	9.0	04/80	5.0	10/92	
				CTC	5.7	10/92	5.7	10/92	
				1,1-DCE	15.3	10/92	15.3	10/92	
				1,2-DCA	0.6	10/92	0.6	10/92	
				NO3	60.2	10/92	60.2	10/92	
				CLO4	NA	NA	NA	NA	
				AS	ND	01/80	ND	01/80	
02	1902582	MUNICIPAL	INACTIVE	TCE	19.0	01/80	2.3	04/81	
				PCE	10.0	04/81	10.0	04/81	
				NO3	55.5	02/86	55.5	02/86	
				CLO4	100.0	04/99	100.0	04/99	
				AS	ND	01/80	ND	01/80	
03	8000078	MUNICIPAL	STANDBY	PCE	2.6	09/80	1.6	07/06	VULNERABLE
				TCE	12.0	07/06	12.0	07/06	(VOCS, NO3, AND CLO4)
				CTC	0.5	07/06	0.5	07/06	
				1,2-DCA	0.5	07/06	0.5	07/06	
				BDCM	0.6	07/03	ND	07/06	
				BF	0.5	07/03	ND	07/06	
				CF	0.9	09/02	0.6	07/06	
				NO3	31.1	08/00	ND	07/06	
				CLO4	120.0	04/99	ND	07/06	
				AS	5.4	07/95	ND	08/04	
				CR6	6.9	11/00	6.9	11/00	
04	8000096	MUNICIPAL	STANDBY	PCE	2.4	08/01	0.5	07/06	VULNERABLE
				TCE	8.0	11/01	1.7	07/06	(VOCS, NO3, AND CLO4)
				1,1-DCE	0.9	09/02	0.6	07/06	
				1,2-DCA	1.0	11/01	ND	07/06	
				CTC	0.7	11/01	ND	07/05	
				MC	0.9	06/89	ND	07/05	
				NO3	42.0	06/02	33.0	04/07	
				CLO4	14.8	06/01	6.5	01/06	
				AS	6.9	07/95	2.8	08/01	
				CR6	8.9	11/00	8.4	06/01	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
05	8000097	MUNICIPAL	ACTIVE	PCE	8.2	10/12	5.8	06/13	VULNERABLE
				TCE	6.8	04/96	2.8	06/13	(VOCS, NO3, AND CLO4) (1,4)
				1,2-DCA	0.7	09/02	ND	06/13	
				1,1-DCE	1.5	09/12	1.4	06/13	
				CF	0.6	01/07	ND	06/13	
				NO3	31.0	06/13	29.0	05/14	
				CLO4	11.0	04/04	4.9	06/13	
				AS	6.8	07/95	2.6	10/09	
				CR6	8.3	05/11	8.3	05/11	
05TH AVE	1902583	MUNICIPAL	DESTROYED	TCE	0.3	12/80	0.3	12/80	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
KNIGHT, KATHRYN M.									
NA	1901688	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LANDEROS, JOHN									
NA	8000031	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LA PUENTE VALLEY COUNTY WATER DISTRICT									
01	1901459	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1901460	MUNICIPAL	ACTIVE	TCE	120.0	12/12	89.0	12/13	VULNERABLE
				PCE	6.6	03/00	4.1	12/13	(VOCS, NO3, AND CLO4) (1,4)
				CTC	8.5	12/02	3.3	12/13	
				1,1-DCA	2.1	11/03	0.6	12/13	
				1,2-DCA	6.1	03/00	2.9	12/13	
				1,1-DCE	1.6	12/00	ND	12/13	
				C-1,2-DCE	1.9	04/10	1.4	12/13	
				CF	2.8	04/10	2.3	12/13	
				NO3	32.0	02/09	27.0	06/13	
				CLO4	183.0	02/98	54.0	06/13	
				AS	1.9	04/06	ND	06/10	
				CR6	3.7	04/06	2.7	03/12	
03	1902859	MUNICIPAL	ACTIVE	TCE	72.0	03/11	1.4	06/13	VULNERABLE
				PCE	6.3	04/85	ND	06/13	(VOCS, NO3, AND CLO4) (1,4)
				CTC	8.5	11/04	ND	06/13	
				1,1-DCE	0.9	10/95	ND	06/13	
				1,2-DCA	6.7	02/99	ND	06/13	
				C-1,2-DCE	1.4	01/97	ND	06/13	
				1,1-DCA	0.5	09/01	ND	06/13	
				CF	1.9	03/11	ND	06/13	
				NO3	95.0	01/80	35.0	06/13	
				CLO4	174.0	02/98	34.0	09/13	
				AS	2.1	08/04	ND	09/10	
				CR6	4.3	06/01	3.0	03/12	
04	8000062	MUNICIPAL	STANDBY	TCE	84.3	03/00	46.0	04/04	VULNERABLE
				PCE	6.6	03/00	2.9	04/04	(VOCS, NO3, AND CLO4) (1,4)
				CTC	7.6	04/95	1.9	04/04	
				1,1-DCA	0.7	04/04	0.7	04/04	
				1,2-DCA	8.1	03/00	4.4	04/04	
				1,1-DCE	1.3	04/97	0.5	04/04	
				C-1,2-DCE	15.6	11/98	1.7	04/04	
				CF	2.3	04/04	2.3	04/04	
				NO3	24.9	04/95	18.1	04/04	
				CLO4	159.0	06/97	71.2	04/04	
				AS	2.3	09/94	ND	11/98	
				CR6	4.3	11/00	4.3	11/00	
05	8000209	MUNICIPAL	ACTIVE	TCE	43.0	03/08	11.0	06/13	VULNERABLE
				PCE	3.8	03/08	1.1	06/13	(VOCS, NO3, AND CLO4) (1,4)
				CTC	2.3	03/08	ND	06/13	
				1,1-DCA	0.5	03/08	ND	06/13	
				1,2-DCA	2.7	03/08	0.5	06/13	
				1,1-DCE	0.5	03/08	ND	06/13	
				C-1,2-DCE	0.8	11/08	ND	06/13	
				CF	1.7	03/08	ND	06/13	
				NO3	31.0	10/09	30.0	06/13	
				CLO4	65.0	03/08	17.0	06/13	
				AS	1.1	03/08	ND	03/09	
				CR6	3.1	05/11	3.1	05/11	
LA VERNE, CITY OF									
SNIDO	1902322	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
W15-L	1902769	MUNICUPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
W24-L	1901197	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LEE, PAUL									
01	8000018	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	8000019	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
03	8000020	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
04	8000021	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LOS ANGELES, COUNTY OF									
02	1902580	NON POTABLE	DESTROYED	PCE	6.6	09/04	6.6	09/04	
				TCE	1.3	09/04	1.3	09/04	
				1,2-DCA	0.5	01/96	ND	09/04	
				NO3	10.7	09/04	10.7	09/04	
				CLO4	ND	08/97	ND	08/97	
03	1902663	IRRIGATION	DESTROYED	PCE	2.1	06/94	2.1	06/94	
				TCE	0.7	06/94	0.7	06/94	
				NO3	4.8	06/94	4.8	06/94	
				CLO4	NA	NA	NA	NA	
03A	8000150	IRRIGATION	DESTROYED	PCE	2.5	11/99	ND	10/08	
				NO3	2.1	08/96	ND	10/08	
				CLO4	ND	08/97	ND	08/97	
04	1902664	IRRIGATION	DESTROYED	1,1,1-TCA	0.7	05/87	ND	11/87	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
05	1902665	IRRIGATION	DESTROYED	PCE	39.0	09/03	35.7	10/08	
				TCE	1.3	09/03	ND	10/08	
				NO3	18.0	09/03	14.0	10/08	
				CLO4	ND	08/97	ND	08/97	
06	1902666	IRRIGATION	DESTROYED	PCE	7.4	08/96	2.8	11/99	
				TCE	8.3	08/96	2.9	11/99	
				1,1-DCA	2.0	08/96	ND	11/99	
				1,1-DCE	1.4	08/96	ND	11/99	
				C-1,2-DCE	4.5	08/96	0.8	11/99	
				NO3	11.6	08/96	8.4	11/99	
				CLO4	NA	NA	NA	NA	
600	8000090	IRRIGATION	INACTIVE	VOCS	ND	07/98	ND	07/98	
				NO3	4.8	07/98	4.8	07/98	
				CLO4	ND	07/98	ND	07/98	
BIG RED	8000088	NON POTABLE	INACTIVE	1,2-DCA	0.6	01/96	ND	10/09	
				NO3	12.0	09/02	ND	10/09	
				CLO4	ND	08/97	ND	08/97	
NEW LAKE	8000089	NON POTABLE	INACTIVE	PCE	19.7	02/00	ND	11/10	
				TCE	0.9	02/00	ND	11/10	
				CF	2.6	11/10	2.6	11/10	
				NO3	22.0	02/00	18.0	11/10	
				CLO4	ND	08/97	ND	08/97	
SF 1	8000070	NON POTABLE	ACTIVE	TCE	4.3	09/04	ND	10/10	VULNERABLE
				PCE	7.6	09/04	ND	10/10	(VOCS)
				VC	1.4	12/87	ND	10/10	
				NO3	16.0	09/02	6.3	10/10	
				CLO4	ND	06/97	ND	05/10	
WHI 1	1902579	NON POTABLE	INACTIVE	PCE	3.8	09/04	1.4	11/10	
				TCE	1.0	09/04	ND	11/10	
				NO3	7.7	10/09	5.1	11/10	
				CLO4	ND	08/97	ND	08/97	
LOS FLORES MUTUAL WATER COMPANY									
HI 1	21902098	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LO 1	11902098	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	

APPENDIX C
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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
LOUCKS, DAVID									
NA	8000032	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MAECHTLEN ESTATE									
M-N	1902323	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
OLD60	1902321	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SNIDO	1902322	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MANNING BROTHERS ROCK AND SAND COMPANY									
36230	1900117	INDUSTRIAL	DESTROYED	TCE	520.0	12/79	100.0	01/80	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MAPLE WATER COMPANY									
01	8000109	MUNICIPAL	DESTROYED	VOCS	ND	06/89	ND	07/96	
				NO3	68.0	09/94	55.5	07/96	
				CLO4	NA	NA	NA	NA	
				AS	1.3	07/96	1.3	07/96	
02	1900042	MUNICIPAL	DESTROYED	VOCS	ND	06/89	ND	07/96	
				NO3	62.7	11/89	55.3	07/96	
				CLO4	NA	NA	NA	NA	
				AS	1.3	07/96	1.3	07/96	
MARTINEZ, FRANCES M.									
NA	8000033	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA									
02	1900693	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
03	1900694	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MILLERCOORS LLC (MILLER BREWERIES WEST, L.P. /MILLER BREWING COMPANY)									
01	8000075	INDUSTRIAL	ACTIVE	VOCS	ND	01/92	ND	10/09	
				NO3	9.8	01/93	4.3	10/09	
				CLO4	ND	06/97	ND	06/08	
				AS	3.9	06/08	3.9	06/08	
02	8000076	INDUSTRIAL	INACTIVE	VOCS	ND	01/92	ND	11/10	
				NO3	14.0	10/92	3.0	11/10	
				CLO4	ND	06/97	ND	05/08	
				AS	3.5	05/08	3.5	05/08	
N BREWER	8000034	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MONROVIA, CITY OF									
01	1900417	MUNICIPAL	DESTROYED	TCE	46.8	11/92	12.0	04/02	
				PCE	3.9	03/81	0.8	04/02	
				1,1-DCE	1.2	08/96	0.9	04/02	
				1,1,1-TCA	2.1	08/87	ND	07/01	
				CF	3.2	07/01	3.2	07/01	
				NO3	78.0	02/01	60.0	03/02	
				CLO4	11.1	02/01	8.4	04/02	
				AS	2.5	10/00	2.5	10/00	
02	1900418	MUNICIPAL	ACTIVE	TCE	167.0	08/82	11.0	04/14	VULNERABLE
				PCE	11.0	08/82	ND	04/14	(VOCS, NO3 AND CLO4) (1)
				1,1,1-TCA	7.1	02/87	ND	07/13	
				1,1-DCE	3.4	06/87	0.8	04/14	
				1,2-DCA	1.5	02/87	ND	07/13	
				CF	2.2	07/07	ND	07/13	
				NO3	65.6	12/91	59.0	04/14	
				CLO4	6.0	01/05	4.8	04/14	
				AS	0.9	08/96	ND	04/10	
				CR6	3.6	07/01	3.6	08/13	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
03	1900419	MUNICIPAL	ACTIVE	TCE	18.0	08/82	8.1	04/14	VULNERABLE
				PCE	17.0	08/82	0.8	04/14	(VOCS AND NO3) (1)
				1,1-DCE	0.8	12/08	ND	04/14	
				CF	1.8	07/08	ND	07/13	
				NO3	49.6	05/76	21.0	04/14	
				CLO4	ND	08/97	ND	07/13	
				AS	3.6	08/97	ND	04/10	
				CR6	5.8	08/13	5.8	08/13	
04	1900420	MUNICIPAL	ACTIVE	TCE	6.5	02/91	0.5	04/14	VULNERABLE
				PCE	1.0	02/91	ND	04/14	(VOCS AND NO3) (1)
				1,1-DCE	1.1	01/05	ND	04/14	
				MC	2.5	05/89	ND	07/13	
				CF	0.7	07/02	ND	07/13	
				NO3	28.8	06/91	7.9	04/14	
				CLO4	ND	08/97	ND	07/13	
				AS	3.8	08/97	ND	04/10	
				CR6	1.1	07/01	0.5	08/13	
05	1940104	MUNICIPAL	ACTIVE	TCE	5.1	01/91	1.3	04/14	VULNERABLE
				PCE	1.0	10/02	ND	04/14	(VOCS AND NO3) (1)
				1,1-DCE	1.0	10/02	ND	04/14	
				MC	4.9	05/89	ND	07/13	
				CF	1.2	07/02	ND	07/13	
				NO3	29.4	01/91	12.0	04/14	
				CLO4	ND	08/97	ND	07/13	
				AS	1.0	08/96	ND	04/10	
				CR6	1.4	07/01	0.6	08/13	
06	8000171	MUNICIPAL	ACTIVE	TCE	23.0	04/14	23.0	04/14	VULNERABLE
				PCE	2.3	01/10	1.6	04/14	(VOCS AND NO3) (1)
				1,1-DCE	0.8	10/07	0.9	04/14	
				CF	1.0	08/04	ND	07/13	
				NO3	39.0	04/14	39.0	04/14	
				CLO4	ND	10/99	ND	07/13	
				AS	ND	10/99	ND	04/10	
				CR6	2.1	08/13	2.1	08/13	
MONROVIA NURSERY									
DIV 4	1902456	IRRIGATION	DESTROYED	VOCS	ND	08/96	ND	02/07	
				NO3	213.0	09/04	202.0	02/07	
				CLO4	ND	02/98	ND	02/98	
DIV 8	1902455	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MONTEREY PARK, CITY OF									
01	1900453	MUNICIPAL	ACTIVE	PCE	64.1	12/08	4.2	05/14	VULNERABLE
				TCE	4.1	05/04	0.5	05/14	(VOCS AND CLO4)
				1,1-DCE	0.6	05/04	ND	05/14	
				1,1-DCA	1.0	05/04	ND	05/14	
				C-1,2-DCE	1.0	03/04	ND	05/14	
				NO3	22.0	12/12	10.0	05/14	
				CLO4	4.7	05/04	ND	08/13	
				AS	0.5	07/96	ND	08/11	
				CR6	6.2	11/00	4.1	01/10	
02	1900454	MUNICIPAL	DESTROYED	PCE	6.4	04/98	6.4	04/98	
				NO3	18.3	07/95	13.0	07/97	
				CLO4	3.0	07/97	ND	03/98	
				AS	0.4	07/96	0.4	07/96	
03	1900455	MUNICIPAL	INACTIVE	PCE	25.0	08/11	22.0	05/12	VULNERABLE
				TCE	2.7	05/04	1.3	05/12	(VOCS AND CLO4)
				C-1,2-DCE	0.8	05/04	ND	05/12	
				NO3	13.3	07/97	5.5	05/12	
				CLO4	4.2	05/04	ND	08/11	
				AS	12.9	08/89	4.1	08/11	
				CR6	3.2	05/04	2.5	01/10	
04	1900456	MUNICIPAL	DESTROYED	PCE	0.4	01/80	ND	11/87	
				NO3	6.2	09/87	6.2	09/87	
				CLO4	NA	NA	NA	NA	
05	1900457	MUNICIPAL	ACTIVE	PCE	40.0	06/13	39.0	05/14	VULNERABLE
				TCE	7.0	01/92	2.0	05/14	(VOCS, NO3 AND CLO4) (1,4)
				C-1,2-DCE	2.0	11/01	0.6	05/14	
				1,1-DCA	1.1	11/01	ND	05/14	
				1,1-DCE	0.7	11/01	ND	05/14	
				NO3	23.0	02/10	22.0	05/14	
				CLO4	6.5	02/01	ND	05/14	
				AS	1.5	10/12	1.5	10/12	
				CR6	4.6	01/10	4.6	01/10	
06	1900458	MUNICIPAL	INACTIVE	PCE	13.6	03/01	3.1	05/05	
				TCE	6.4	05/89	3.1	05/05	
				C-1,2-DCE	1.3	01/99	1.2	05/05	
				1,1-DCA	0.8	11/01	0.6	05/05	
				NO3	30.0	06/03	24.7	05/05	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	5.9	04/02	5.9	04/02	
				AS	2.2	09/00	ND	08/02	
				CR6	4.1	11/00	3.4	05/01	
07	1902372	MUNICIPAL	INACTIVE	PCE	6.0	09/10	6.0	09/10	
				CF	3.6	07/98	ND	08/10	
				NO3	12.8	08/89	2.7	08/10	
				CLO4	ND	08/97	ND	08/10	
				AS	28.4	07/96	2.1	08/09	
				CR6	5.3	02/07	5.1	01/10	
08	1902373	MUNICIPAL	INACTIVE	PCE	2.5	02/05	1.9	03/09	
				NO3	17.0	08/05	ND	11/08	
				CLO4	ND	08/97	ND	11/08	
				AS	45.0	03/09	45.0	03/09	
				CR6	6.7	12/01	6.7	12/01	
09	1902690	MUNICIPAL	ACTIVE	PCE	11.0	03/04	0.6	05/14	VULNERABLE
				TCE	1.3	04/97	ND	05/14	(VOCS) (1,4)
				NO3	18.0	07/12	ND	05/14	
				CLO4	ND	08/97	ND	05/14	
				AS	15.0	06/07	11.0	02/10	
				CR6	3.4	11/00	2.8	01/10	
10	1902818	MUNICIPAL	ACTIVE	PCE	17.0	02/12	11.0	05/14	VULNERABLE
				TCE	2.6	05/04	0.8	05/14	(VOCS, NO3 AND CLO4)
				C-1,2-DCE	0.8	05/04	ND	05/14	
				NO3	27.1	08/07	21.0	05/14	
				CLO4	4.3	05/04	ND	08/13	
				AS	6.7	07/98	ND	11/10	
				CR6	6.6	11/00	6.2	01/10	
12	1903033	MUNICIPAL	ACTIVE	PCE	85.0	05/02	45.0	05/14	VULNERABLE
				TCE	5.4	10/95	3.0	05/14	(VOCS, NO3 AND CLO4)
				1,1-DCA	1.3	05/12	0.8	05/14	
				1,1-DCE	0.5	05/12	ND	05/14	
				C-1,2-DCE	1.4	05/12	1.0	05/14	
				NO3	27.2	08/07	15.0	05/14	
				CLO4	15.0	09/97	ND	05/14	
				AS	ND	04/81	ND	02/10	
				CR6	4.6	02/07	4.0	01/10	
14	1903092	MUNICIPAL	INACTIVE	PCE	2.2	05/02	0.7	05/06	
				TCE	2.9	11/02	1.5	05/06	
				1,1-DCA	0.8	08/02	ND	05/06	
				C-1,2-DCE	1.0	11/02	ND	05/06	
				NO3	10.0	10/06	10.0	10/06	
				CLO4	ND	08/97	ND	05/03	
				AS	41.0	08/05	39.0	03/06	
				CR6	1.0	11/00	1.0	05/01	
15	8000196	MUNICIPAL	ACTIVE	PCE	190.0	02/12	84.0	05/14	VULNERABLE
				TCE	3.4	07/06	2.4	05/14	(VOCS AND NO3)
				NO3	23.0	11/08	18.0	05/14	
				CLO4	2.4	07/06	ND	05/14	
				AS	ND	09/06	ND	11/12	
				CR6	2.9	02/07	2.5	01/10	
FERN	8000126	MUNICIPAL	ACTIVE	PCE	12.0	08/10	8.1	05/14	
				TCE	2.3	08/02	1.2	05/14	
				C-1,2-DCE	0.7	03/04	ND	05/14	
				NO3	6.5	03/04	ND	08/13	
				CLO4	2.0	08/97	ND	11/13	
				AS	14.0	03/06	13.0	08/10	
				CR6	1.5	11/00	0.2	08/13	
NAMIMATSU FARMS									
NA	1901034	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
OWL ROCK PRODUCTS COMPANY									
NA	1903119	INDUSTRIAL	INACTIVE	VOCS	ND	05/87	ND	10/09	
				NO3	8.7	08/89	ND	10/09	
				CLO4	NA	NA	NA	NA	
NA	1900043	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
NA	1902241	INDUSTRIAL	INACTIVE	VOCS	ND	10/02	ND	11/04	
				NO3	ND	10/02	ND	11/04	
				CLO4	NA	NA	NA	NA	
PICO COUNTY WATER DISTRICT									
NA	8000040	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	

APPENDIX C
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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
POLOPOLUS ET AL.									
01	1902169	IRRIGATION	INACTIVE	PCE	330.0	10/96	270.0	03/98	
				TCE	498.9	09/92	180.0	03/98	
				1,1-DCA	22.0	03/98	22.0	03/98	
				1,2-DCA	1.2	06/96	0.9	03/98	
				1,1-DCE	115.3	09/92	22.0	03/98	
				T-1,2-DCE	1.5	06/87	ND	03/98	
				1,1,1-TCA	53.0	09/92	12.0	03/98	
				CTC	0.8	06/96	0.6	03/98	
				NO3	50.8	07/91	29.7	03/98	
				CLO4	ND	03/98	ND	03/98	
RICHWOOD MUTUAL WATER COMPANY									
NORTH 2	1901522	MUNICIPAL	DESTROYED	PCE	93.0	05/83	4.0	12/93	
				TCE	3.0	03/81	ND	05/92	
				CTC	0.2	10/80	ND	05/92	
				NO3	25.0	02/84	19.7	06/99	
				CLO4	NA	NA	NA	NA	
				AS	ND	06/90	ND	09/92	
SOUTH 1	1901521	MUNICIPAL	DESTROYED	PCE	96.0	05/83	3.4	12/93	
				TCE	0.7	12/82	ND	05/92	
				NO3	28.6	06/99	28.6	06/99	
				CLO4	NA	NA	NA	NA	
				AS	ND	06/90	ND	09/92	
ROY, RUTH									
NA	8000041	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
RURBAN HOMES MUTUAL WATER COMPANY									
NORTH 1	1900120	MUNICIPAL	ACTIVE	PCE	16.0	11/80	ND	03/14	VULNERABLE
				1,1-DCE	0.9	09/08	ND	03/14	(VOCS AND NO3)
				CF	0.8	02/02	ND	09/13	
				FREON 11	13.3	05/04	ND	03/14	
				FREON 113	64.4	05/04	ND	03/14	
				NO3	30.0	03/01	16.0	09/13	
				CLO4	ND	09/97	ND	09/13	
				AS	3.0	08/03	2.8	09/09	
				CR6	1.0	06/01	0.9	09/13	
SOUTH 2	1900121	MUNICIPAL	ACTIVE	PCE	24.3	02/81	ND	03/13	VULNERABLE
				1,1-DCE	1.7	10/08	ND	03/13	(VOCS AND NO3)
				CF	3.8	02/02	ND	09/12	
				FREON 11	14.1	05/04	ND	03/13	
				FREON 113	54.2	05/04	ND	03/13	
				MC	1.1	08/02	ND	09/12	
				NO3	38.2	03/07	21.0	03/13	
				CLO4	ND	09/97	ND	06/11	
				AS	3.0	08/03	2.8	09/09	
				CR6	1.0	06/01	ND	12/01	
SAN GABRIEL COUNTRY CLUB									
01	1900547	IRRIGATION	INACTIVE	VOCS	ND	05/85	ND	08/05	
				NO3	67.0	07/96	54.0	08/05	
				CLO4	8.5	07/97	5.4	08/05	
02	1902979	IRRIGATION	ACTIVE	VOCS	ND	05/87	ND	08/05	VULNERABLE
				NO3	23.0	10/02	20.3	08/05	(NO3)
				CLO4	1.4	12/97	1.1	08/05	
SAN GABRIEL COUNTY WATER DISTRICT									
05 BRA	1901669	MUNICIPAL	INACTIVE	TCE	0.9	01/97	ND	03/01	
				PCE	1.9	02/99	1.0	03/01	
				NO3	83.9	08/89	70.7	03/01	
				CLO4	ND	09/97	ND	09/00	
				AS	0.6	08/96	ND	08/98	
				CR6	7.0	12/00	7.0	12/00	
06 BRA	1901670	MUNICIPAL	DESTROYED	VOCS	ND	02/99	ND	02/99	
				NO3	108.9	08/72	57.6	03/00	
				CLO4	3.0	02/99	3.0	02/99	
07	1901671	MUNICIPAL	ACTIVE	VOCS	ND	09/89	ND	10/11	VULNERABLE
				NO3	48.0	03/03	35.0	10/11	(NO3 AND CLO4)
				CLO4	5.6	03/03	ND	10/11	
				AS	1.3	08/96	ND	07/09	
				CR6	4.5	07/01	4.5	07/01	
08	1901672	MUNICIPAL	INACTIVE	VOCS	ND	01/90	ND	03/91	
				NO3	76.0	01/82	23.4	08/93	
				CLO4	NA	NA	NA	NA	
				AS	ND	06/78	ND	08/90	
09	1902785	MUNICIPAL	ACTIVE	PCE	2.0	01/09	1.5	04/14	VULNERABLE

APPENDIX C
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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	51.0	03/03	21.0	04/14	(NO3)
				CLO4	ND	09/97	ND	07/13	
				AS	ND	09/89	ND	07/09	
				CR6	8.1	12/02	5.9	08/13	
10	1902786	MUNICIPAL	INACTIVE	PCE	18.0	08/93	1.9	11/98	
				NO3	50.0	05/89	31.0	11/98	
				CLO4	5.5	11/98	5.5	11/98	
				AS	ND	06/78	ND	11/98	
11	8000067	MUNICIPAL	ACTIVE	PCE	2.3	04/12	1.7	04/14	VULNERABLE
				TCE	0.7	04/12	ND	04/14	(NO3)
				NO3	32.2	04/04	25.0	04/14	
				CLO4	ND	09/97	ND	07/13	
				AS	ND	06/78	ND	07/06	
				CR6	25.0	12/00	5.5	08/13	
12	8000123	MUNICIPAL	ACTIVE	TCE	0.8	09/02	ND	07/13	
				PCE	0.6	10/10	0.5	04/14	
				MC	0.6	05/90	ND	07/13	
				NO3	7.0	10/01	5.6	01/14	
				CLO4	ND	09/97	ND	07/13	
				AS	7.0	10/96	6.1	10/11	
				CR6	7.6	07/01	5.0	08/13	
14	8000133	MUNICIPAL	ACTIVE	PCE	0.6	09/02	ND	08/13	
				NO3	3.8	12/02	3.4	07/13	
				CLO4	ND	09/97	ND	07/13	
				AS	3.1	07/08	2.7	07/11	
				CR6	4.6	07/01	1.9	08/13	
SAN GABRIEL VALLEY WATER COMPANY									
B4B	1902858	MUNICIPAL	INACTIVE	TCE	25.2	02/08	25.2	02/08	
				PCE	43.0	11/07	5.8	02/08	
				CTC	10.0	11/03	6.6	02/08	
				1,2-DCA	1.0	09/07	0.5	02/08	
				1,1-DCE	3.2	11/07	2.3	02/08	
				C-1,2-DCE	4.2	11/07	2.7	02/08	
				NO3	13.1	11/07	13.1	11/07	
				CLO4	24.5	04/08	24.5	04/08	
				AS	6.3	08/95	2.0	02/08	
				CR6	4.1	05/01	4.1	05/01	
B4C	1902947	MUNICIPAL	INACTIVE	CTC	22.3	02/01	14.0	08/01	
				TCE	15.5	02/01	9.3	08/01	
				PCE	3.4	02/01	2.2	08/01	
				1,1-DCE	2.3	09/01	2.3	09/01	
				C-1,2-DCE	2.4	09/01	2.4	09/01	
				NO3	14.2	02/01	14.2	02/01	
				CLO4	6.0	06/00	ND	07/00	
				AS	5.8	08/95	ND	03/99	
				CR6	3.3	05/01	3.3	05/01	
B5A	1900718	MUNICIPAL	INACTIVE	PCE	17.5	03/91	ND	11/05	
				TCE	5.2	03/98	ND	11/05	
				1,1-DCE	2.5	03/85	ND	08/05	
				CTC	1.1	12/91	ND	11/05	
				1,1,1-TCA	3.7	03/90	ND	08/05	
				CF	1.4	08/01	1.1	08/05	
				NO3	46.1	07/96	25.3	11/05	
				CLO4	14.0	06/97	4.0	08/05	
				AS	2.8	07/96	2.0	08/05	
				CR6	6.4	11/00	6.2	05/01	
B5B	1900719	MUNICIPAL	ACTIVE	TCE	5.8	02/97	3.2	05/14	VULNERABLE
				PCE	3.9	02/09	2.6	05/14	(VOCS, NO3, AND CLO4) (1,4)
				CTC	2.3	02/85	ND	05/14	
				1,2-DCA	0.6	09/07	ND	05/14	
				CF	2.4	01/07	ND	08/13	
				NO3	56.0	12/12	52.0	05/14	
				CLO4	12.0	06/97	9.2	05/14	
				AS	ND	07/89	ND	08/10	
				CR6	6.1	02/09	5.2	05/11	
B5C	8000112	MUNICIPAL	INACTIVE	VOCS	ND	05/89	ND	08/07	
				NO3	3.8	05/07	3.8	05/07	
				CLO4	ND	06/97	ND	03/08	
				AS	5.8	08/95	2.0	08/07	
				CR6	5.8	05/01	5.8	05/01	
B5D	8000160	MUNICIPAL	ACTIVE	CTC	1.0	04/13	ND	05/14	VULNERABLE
				NO3	4.9	08/08	3.7	08/13	(VOCS) (1,4)
				CLO4	ND	12/97	ND	08/13	
				AS	2.4	09/10	2.4	09/10	
				CR6	4.6	05/01	2.6	05/11	
B5E	8000205	MUNICIPAL	ACTIVE	TCE	20.0	11/12	18.0	05/14	VULNERABLE
				PCE	3.4	11/12	3.2	05/14	(VOCS, NO3, AND CLO4) (1,4)
				CTC	5.2	05/07	2.3	05/14	
				CF	3.9	01/07	ND	08/13	
				NO3	23.0	08/07	20.0	05/14	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	17.0	06/13	16.0	05/14	
				AS	3.0	08/07	2.5	08/10	
				CR6	7.0	02/09	5.9	05/11	
B6B	1900721	MUNICIPAL	DESTROYED	TCE	111.0	02/85	35.8	09/92	
				PCE	6.4	10/81	4.3	09/92	
				CTC	17.0	02/85	5.0	09/92	
				1,1-DCE	1.1	04/85	0.5	09/92	
				1,1-DCA	0.6	09/92	0.6	09/92	
				1,2-DCA	8.3	09/92	8.3	09/92	
				NO3	85.4	02/91	57.2	09/92	
				CLO4	NA	NA	NA	NA	
B6C	1903093	MUNICIPAL	ACTIVE	TCE	84.0	03/88	2.9	05/13	VULNERABLE
				PCE	12.0	11/81	ND	05/13	(VOCS, NO3, AND CLO4) (1,4)
				CTC	13.0	02/85	ND	05/13	
				1,2-DCA	9.0	05/88	ND	05/13	
				1,1-DCE	1.5	06/94	ND	05/13	
				C-1,2-DCE	6.2	04/88	ND	05/13	
				CF	1.7	04/04	ND	05/13	
				NO3	93.0	09/11	83.0	05/13	
				CLO4	370.0	11/05	19.0	05/13	
				AS	3.7	07/96	2.4	09/11	
				CR6	3.9	03/10	3.6	06/11	
B6D	8000098	MUNICIPAL	ACTIVE	TCE	140.0	05/11	50.0	05/13	VULNERABLE
				PCE	7.1	05/09	5.2	05/13	(VOCS, NO3, AND CLO4) (1,4)
				CTC	14.0	05/11	2.0	05/13	
				1,1-DCA	1.1	05/09	1.0	05/13	
				1,2-DCA	3.7	05/11	1.7	05/13	
				1,1-DCE	1.0	08/08	0.6	05/13	
				C-1,2-DCE	2.8	05/09	2.1	05/13	
				CF	2.9	05/09	1.8	05/13	
				NO3	25.0	08/12	24.0	05/13	
				CLO4	390.0	11/05	51.0	05/13	
				AS	3.1	07/96	ND	09/11	
				CR6	1.5	06/11	1.5	06/11	
11A	1900739	MUNICIPAL	ACTIVE	PCE	1.5	02/08	ND	05/14	
				NO3	14.7	07/89	2.0	08/13	
				CLO4	ND	08/97	ND	08/13	
				AS	3.9	07/96	2.9	08/09	
				CR6	6.8	05/01	5.8	05/11	
11B	1900745	MUNICIPAL	ACTIVE	PCE	17.8	04/90	0.6	05/14	VULNERABLE
				TCE	4.0	04/90	ND	05/14	(VOCS) (1)
				1,1-DCE	0.2	04/89	ND	11/13	
				C-1,2-DCE	3.0	04/89	ND	11/13	
				NO3	18.3	08/06	9.8	11/13	
				CLO4	ND	06/97	ND	08/13	
				AS	4.8	09/94	2.5	11/09	
				CR6	6.1	11/00	5.3	05/11	
11C	1902713	MUNICIPAL	ACTIVE	PCE	4.1	12/91	ND	05/14	VULNERABLE
				TCE	0.6	12/91	ND	08/13	(VOCS)
				1,1-DCE	1.1	08/08	ND	08/13	
				C-1,2-DCE	2.5	03/92	ND	05/14	
				NO3	12.0	08/06	6.7	08/13	
				CLO4	ND	08/97	ND	08/13	
				AS	7.5	07/96	3.0	08/09	
				CR6	4.8	05/01	2.8	05/11	
1B	1900729	MUNICIPAL	ACTIVE	PCE	46.0	04/81	ND	05/14	VULNERABLE
				TCE	1.8	02/80	ND	08/13	(VOCS)
				MC	7.1	04/87	ND	08/13	
				FREON 113	22.3	08/08	ND	05/14	
				NO3	22.4	05/08	16.0	05/14	
				CLO4	1.1	03/08	ND	08/13	
				AS	2.9	07/96	2.1	08/11	
				CR6	1.0	05/14	0.8	08/13	
1C	1902946	MUNICIPAL	ACTIVE	VOCS	ND	07/98	ND	08/13	
				NO3	8.3	08/11	4.5	08/13	
				CLO4	ND	10/99	ND	08/13	
				AS	2.6	09/94	2.4	08/09	
				CR6	1.0	05/01	0.6	08/13	
1D	8000102	MUNICIPAL	ACTIVE	VOCS	ND	07/98	ND	08/13	
				NO3	5.0	07/89	4.2	11/13	
				CLO4	ND	08/97	ND	08/13	
				AS	2.0	11/06	ND	11/09	
				CR6	1.0	05/01	0.7	08/13	
1E	8000172	MUNICIPAL	ACTIVE	PCE	0.7	09/02	ND	05/14	VULNERABLE
				NO3	4.5	11/13	4.5	11/13	(CLO4)
				CLO4	5.0	06/00	ND	08/13	
				AS	2.7	11/08	ND	11/11	
				CR6	1.0	05/01	0.7	08/13	
2C	1900749	MUNICIPAL	DESTROYED	TCE	15.2	12/80	ND	11/05	
				PCE	3.0	10/87	ND	11/05	
				NO3	16.4	08/04	5.2	08/05	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	ND	08/97	ND	02/03	
				AS	ND	07/89	ND	08/05	
2D	1902857	MUNICIPAL	ACTIVE	TCE	25.0	12/80	ND	05/14	VULNERABLE
				PCE	0.7	01/88	ND	08/13	(VOCS)
				NO3	8.2	07/86	3.4	08/13	
				CLO4	ND	08/97	ND	08/13	
				AS	ND	07/89	ND	08/11	
				CR6	1.7	05/01	1.2	05/11	
2E	8000065	MUNICIPAL	ACTIVE	TCE	18.0	01/80	ND	05/14	VULNERABLE
				PCE	0.9	01/88	0.6	05/14	(VOCS)
				NO3	13.0	08/09	5.8	08/13	
				CLO4	ND	08/97	ND	08/13	
				AS	ND	07/89	ND	08/11	
				CR6	2.8	06/01	1.9	05/11	
2F	8000197	MUNICIPAL	ACTIVE	TCE	1.2	02/14	0.6	05/14	
				NO3	5.3	08/10	3.8	08/13	
				CLO4	ND	09/06	ND	08/13	
				AS	0.7	03/06	ND	08/09	
				CR6	1.8	02/07	1.0	05/11	
8A	1900736	MUNICIPAL	INACTIVE	PCE	0.6	11/87	ND	02/97	
				NO3	40.2	02/97	40.2	02/97	
				CLO4	NA	NA	NA	NA	
				AS	ND	07/89	ND	07/89	
8B	1900746	MUNICIPAL	ACTIVE	PCE	220.0	02/09	180.0	05/14	VULNERABLE
				TCE	1.1	11/10	0.6	05/14	(VOCS, NO3, AND CLO4)
				NO3	23.0	08/08	21.0	08/13	
				CLO4	3.0	08/97	ND	08/13	
				AS	0.4	07/96	ND	08/09	
				CR6	2.9	11/02	2.3	05/11	
8C	1900747	MUNICIPAL	ACTIVE	PCE	170.0	05/09	74.0	05/14	VULNERABLE
				TCE	0.8	05/09	ND	05/14	(VOCS AND CLO4) (1,5)
				NO3	20.0	07/98	10.0	08/13	
				CLO4	4.0	03/08	ND	08/13	
				AS	0.5	07/96	ND	08/09	
				CR6	3.0	05/11	3.0	05/11	
8D	1903103	MUNICIPAL	ACTIVE	PCE	110.0	11/12	85.0	05/14	VULNERABLE
				TCE	0.9	02/14	0.6	05/14	(VOCS AND NO3) (1,5)
				C-1,2 DCE	0.8	05/04	ND	05/14	
				CTC	0.6	06/88	ND	05/14	
				NO3	29.0	06/09	22.0	05/14	
				CLO4	2.3	03/08	ND	08/13	
				AS	29.5	09/94	ND	05/14	
				CR6	3.3	11/00	2.7	05/11	
8E	8000113	MUNICIPAL	ACTIVE	PCE	10.0	03/03	ND	05/14	VULNERABLE
				NO3	7.2	07/01	ND	08/13	(VOCS) (1,5)
				CLO4	ND	08/97	ND	08/13	
				AS	2.8	08/95	ND	08/10	
				CR6	4.2	05/11	4.2	05/11	
8F	8000169	MUNICIPAL	ACTIVE	VOCS	ND	10/98	ND	08/13	
				NO3	19.0	11/10	2.4	11/13	
				CLO4	ND	01/99	ND	08/13	
				AS	2.2	11/01	ND	11/10	
				CR6	6.1	11/00	5.8	05/11	
B1	1902635	MUNICIPAL	INACTIVE	TCE	12.0	04/85	ND	08/06	
				PCE	7.3	05/88	ND	08/06	
				C-1,2-DCE	7.2	12/92	ND	08/06	
				1,1-DCE	2.1	08/89	ND	08/06	
				NO3	17.4	02/87	3.5	03/05	
				CLO4	ND	08/97	ND	02/03	
				AS	2.8	07/96	2.3	02/05	
B2	1902525	MUNICIPAL	INACTIVE	TCE	17.0	03/80	ND	11/98	
				PCE	15.8	06/80	0.7	11/98	
				CTC	1.7	05/82	ND	11/98	
				1,2-DCA	7.7	07/82	ND	11/98	
				1,1,1-TCA	7.6	07/82	ND	11/98	
				C-1,2-DCE	2.6	08/93	ND	11/98	
				NO3	8.7	11/98	8.7	11/98	
				CLO4	ND	11/98	ND	11/98	
B11A	1901439	MUNICIPAL	INACTIVE	TCE	9.8	08/01	5.8	08/04	
				PCE	21.7	05/92	8.5	08/04	
				1,1-DCE	14.0	08/01	2.8	08/04	
				CTC	0.9	01/88	ND	08/04	
				C-1,2-DCE	1.5	08/01	0.6	09/04	
				1,1-DCA	1.0	08/01	ND	08/04	
				NO3	37.7	03/00	36.5	08/04	
				CLO4	8.0	12/97	ND	08/04	
				AS	2.7	07/96	ND	09/02	
				CR6	10.0	06/01	10.0	06/01	
B11B	8000108	MUNICIPAL	ACTIVE	TCE	20.0	02/97	4.4	05/14	VULNERABLE

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				PCE	34.5	06/92	4.6	05/14	(VOCS, NO3, AND CLO4) (1)
				1,1-DCE	36.0	12/10	5.8	05/14	
				1,1-DCA	3.4	11/12	ND	05/14	
				1,1,1-TCA	2.9	10/88	ND	08/13	
				C-1,2-DCE	3.9	11/12	0.6	05/14	
				NO3	35.9	02/97	17.0	05/14	
				CLO4	7.0	06/00	ND	08/13	
				AS	2.2	07/96	ND	08/11	
				CR6	10.3	05/01	8.9	05/11	
B7B	1901440	MUNICIPAL	DESTROYED	TCE	2.4	03/85	2.4	03/85	
				PCE	1.4	03/85	1.2	03/85	
				NO3	12.4	08/87	12.4	08/87	
				CLO4	NA	NA	NA	NA	
B7C	8000068	MUNICIPAL	ACTIVE	TCE	15.0	11/10	3.3	05/14	VULNERABLE
				PCE	35.0	03/03	11.0	05/14	(VOCS AND NO3) (1)
				1,1-DCE	6.7	12/89	1.8	05/14	
				C-1,2-DCE	4.7	12/93	0.8	05/14	
				CTC	0.6	02/89	ND	08/13	
				NO3	28.4	08/92	15.0	08/13	
				CLO4	ND	06/97	ND	08/13	
				AS	2.0	08/05	ND	08/11	
				CR6	5.0	05/01	3.5	05/11	
B7D	8000094	MUNICIPAL	INACTIVE	PCE	5.3	07/87	3.5	09/87	
				TCE	3.9	07/87	3.3	09/87	
				1,1-DCE	5.3	05/87	5.0	09/87	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
B7E	8000122	MUNICIPAL	ACTIVE	VOCS	ND	08/90	ND	08/13	
				NO3	16.0	11/08	3.0	05/14	
				CLO4	ND	06/97	ND	08/13	
				AS	4.6	03/97	3.3	05/09	
				CR6	3.4	05/01	3.0	05/11	
B8	1901436	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
B9	1901437	MUNICIPAL	INACTIVE	TCE	37.0	02/85	34.7	01/87	
				PCE	4.9	01/87	4.9	01/87	
				CTC	8.3	01/87	8.3	01/87	
				NO3	84.7	02/86	68.1	02/87	
				CLO4	NA	NA	NA	NA	
B9B	8000099	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	08/13	
				NO3	4.5	06/87	3.3	08/13	
				CLO4	1.2	03/08	ND	08/13	
				AS	3.5	08/95	ND	08/10	
				CR6	9.8	05/01	8.0	05/11	
G4A	1900725	MUNICIPAL	ACTIVE	PCE	9.4	05/14	9.4	05/14	VULNERABLE
				TCE	1.3	11/97	ND	05/14	(VOCS AND NO3) (1)
				NO3	28.0	05/14	28.0	05/14	
				CLO4	1.0	03/08	ND	03/14	
				AS	0.5	07/96	ND	11/09	
				CR6	4.4	11/00	3.5	05/11	
B24A	8000203	MUNICIPAL	ACTIVE	VOCS	ND	01/07	ND	02/14	
				NO3	12.0	02/14	12.0	02/14	
				CLO4	ND	01/07	ND	08/13	
				AS	2.0	02/10	2.0	02/10	
				CR6	1.2	08/13	1.2	08/13	
B24B	8000204	MUNICIPAL	ACTIVE	PCE	2.1	05/07	ND	02/14	
				TCE	0.7	05/07	ND	02/14	
				NO3	15.0	02/14	15.0	02/14	
				CLO4	ND	01/07	ND	08/13	
				AS	2.2	02/10	2.2	02/10	
				CR6	3.3	08/13	3.3	08/13	
B25A	8000187	MUNICIPAL	ACTIVE	TCE	60.3	02/08	39.0	05/14	VULNERABLE
(SA3-1S)				PCE	35.0	08/13	33.0	05/14	(VOCS, NO3, AND CLO4) (1,4)
				CTC	5.9	10/07	1.9	05/14	
				1,2-DCA	1.4	10/07	ND	05/14	
				1,1-DCE	6.6	02/08	5.7	05/14	
				C-1,2-DCE	6.3	08/07	4.6	05/14	
				CF	1.9	05/14	1.9	05/14	
				NO3	78.0	05/09	62.0	05/14	
				CLO4	43.0	08/13	37.0	05/14	
				AS	3.2	03/10	3.2	03/10	
				CR6	2.9	08/06	2.5	06/11	
B25B	8000188	MUNICIPAL	ACTIVE	TCE	21.0	03/09	21.0	05/14	VULNERABLE
(SA3-1D)				PCE	7.6	03/09	7.0	05/14	(VOCs, NO3, AND CLO4) (1,4)
				CTC	10.0	09/04	7.4	05/14	
				1,1-DCA	1.2	10/07	ND	05/14	
				1,1-DCE	2.6	03/09	1.9	05/14	
				C-1,2-DCE	2.4	04/10	1.6	05/14	
				NO3	27.0	05/09	8.8	05/14	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	11.0	05/14	11.0	05/14	
				AS	3.0	03/06	ND	03/10	
				CR6	2.4	08/06	1.9	06/11	
B26A (SA3-2S)	8000189	MUNICIPAL	ACTIVE	TCE	57.0	05/09	22.0	05/14	VULNERABLE (VOCs, NO3, AND CLO4) (1,4)
				PCE	6.8	12/10	2.3	05/14	
				CTC	5.4	12/10	0.9	05/14	
				1,1-DCA	0.8	05/09	ND	05/14	
				1,2-DCA	4.3	11/04	ND	05/14	
				1,1-DCE	2.0	12/10	ND	05/14	
				C-1,2-DCE	3.3	05/06	0.8	05/14	
				CF	3.1	07/06	1.3	05/14	
				NO3	70.0	05/14	70.0	05/14	
				CLO4	87.0	07/06	34.0	05/14	
				AS	3.0	03/06	2.2	02/12	
				CR6	4.1	08/06	3.6	06/11	
B26B (SA3-2D)	8000190	MUNICIPAL	ACTIVE	TCE	61.0	01/13	56.0	05/14	VULNERABLE (VOCs, NO3, AND CLO4) (1,4)
				PCE	2.3	05/14	2.3	05/14	
				CTC	16.6	02/09	15.0	05/14	
				1,2-DCA	2.3	11/12	ND	05/14	
				CF	2.0	05/14	2.0	05/14	
				NO3	16.0	05/14	16.0	05/14	
				CLO4	59.0	08/13	57.0	05/14	
				AS	2.9	11/04	2.2	02/12	
				CR6	3.7	02/06	2.7	06/11	
EW4-5	8000200	MUNICIPAL	ACTIVE	PCE	29.0	10/06	22.0	12/11	VULNERABLE (VOCS) (1)
				TCE	4.1	10/06	1.6	12/11	
				NO3	16.0	12/05	13.0	11/11	
				CLO4	ND	12/05	ND	11/11	
				AS	1.1	08/09	1.1	08/09	
EW4-6	8000201	MUNICIPAL	ACTIVE	PCE	8.1	06/06	4.7	12/11	VULNERABLE (VOCS) (1)
				TCE	1.1	10/06	0.7	12/11	
				NO3	15.0	11/06	15.0	11/11	
				CLO4	ND	05/06	ND	11/11	
				AS	1.0	08/09	1.0	08/09	
EW4-7	8000202	MUNICIPAL	ACTIVE	PCE	8.2	01/06	2.0	12/11	VULNERABLE (VOCS) (1)
				TCE	1.8	02/06	ND	12/11	
				NO3	18.0	01/06	13.0	11/11	
				CLO4	ND	12/05	ND	11/11	
				AS	1.8	08/09	1.8	08/09	
SIERRA LA VERNE COUNTRY CLUB									
01	8000124	IRRIGATION	ACTIVE	VOCS	ND	08/96	ND	10/07	
				NO3	10.5	05/99	ND	10/07	
				CLO4	ND	03/98	ND	03/98	
02	8000125	IRRIGATION	INACTIVE	MC	0.5	10/08	ND	10/10	
				NO3	17.4	08/96	ND	10/10	
				CLO4	28.0	03/98	ND	04/98	
SLOAN RANCHES									
01	1901198	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	8000045	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SONOCO PRODUCTS COMPANY									
01	1912786	INDUSTRIAL	ACTIVE	TCE	28.6	12/99	0.6	12/05	VULNERABLE (VOCS AND NO3)
				PCE	8.5	12/99	ND	12/05	
				1,1-DCE	113.0	12/99	1.0	12/05	
				1,1,1-TCA	71.8	12/99	ND	12/05	
				CTC	1.2	07/96	ND	12/05	
				CF	1.4	07/04	0.6	12/05	
				NO3	72.8	12/05	72.8	12/05	
				CLO4	ND	06/98	ND	07/04	
02	1902971	INDUSTRIAL	ACTIVE	CTC	0.9	11/87	ND	12/05	VULNERABLE (VOCS, NO3, AND CLO4)
				1,1,1-TCA	2.0	11/87	ND	12/05	
				1,1-DCE	5.9	02/98	1.0	12/05	
				PCE	1.8	10/03	0.6	12/05	
				TCE	16.0	10/03	1.0	12/05	
				CF	1.4	09/02	1.2	12/05	
				NO3	74.5	12/05	74.5	12/05	
				CLO4	10.0	02/98	ND	07/04	
SOUTH COVINA WATER SERVICE									
102W-1	1901606	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SOUTHERN CALIFORNIA EDISON COMPANY									

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
110RH	8000046	NON-POTABLE	INACTIVE	VOCS	ND	08/89	ND	02/07	
				NO3	8.9	02/07	8.9	02/07	
				CLO4	ND	11/97	ND	11/97	
				AS	ND	08/98	ND	08/98	
1EB86	1900342	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
2EB76	1900343	IRRIGATION	INACTIVE	PCE	4.3	09/04	4.1	02/07	
				TCE	1.3	09/04	0.7	02/07	
				NO3	51.4	09/98	26.5	02/07	
				CLO4	2.0	11/97	2.0	11/97	
38EIS	1900344	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
38W	1900344	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MURAT	8000047	IRRIGATION	INACTIVE	PCE	4.1	09/02	0.6	10/08	
				TCE	0.9	09/02	ND	10/08	
				NO3	26.9	09/04	14.0	10/08	
				CLO4	ND	04/98	ND	04/98	
				AS	ND	04/98	ND	04/98	
SOUTH PASADENA, CITY OF									
GRAV 2	1901679	MUNICIPAL	ACTIVE	PCE	16.0	07/08	8.7	05/14	VULNERABLE (VOCS, NO3, CLO4)
				CTC	0.9	07/08	ND	05/14	
				NO3	58.2	04/87	48.0	05/14	
				CLO4	6.9	02/03	4.2	05/14	
				AS	0.7	07/96	ND	08/09	
				CR6	4.0	06/01	2.4	08/13	
WIL 2	1901681	MUNICIPAL	INACTIVE	PCE	23.0	01/88	9.1	03/01	
				TCE	4.6	03/00	4.6	03/01	
				NO3	86.8	03/00	77.9	02/01	
				CLO4	5.0	07/97	ND	12/99	
				AS	0.6	07/96	ND	08/99	
WIL 3	1901682	MUNICIPAL	ACTIVE	PCE	9.5	08/94	2.7	05/14	VULNERABLE (VOCS AND NO3)
				TCE	1.9	04/13	1.6	05/14	
				NO3	66.0	01/83	27.0	05/14	
				CLO4	ND	07/97	ND	08/13	
				AS	2.2	08/01	ND	08/10	
				CR6	3.0	08/13	3.0	08/13	
WIL 4	1903086	MUNICIPAL	ACTIVE	PCE	8.1	06/00	2.6	05/14	VULNERABLE (VOCS AND NO3)
				TCE	2.1	05/07	1.1	05/14	
				NO3	30.0	02/03	25.0	05/14	
				CLO4	ND	07/97	ND	08/13	
				AS	2.0	02/03	ND	05/09	
				CR6	3.9	06/01	3.5	08/13	
SPEEDWAY 605 INC.									
NA	1902968	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
STERLING MUTUAL WATER COMPANY									
NEW SO.	8000132	MUNICIPAL	ACTIVE	VOCS	ND	06/91	ND	08/13	VULNERABLE (NO3)
				NO3	35.0	02/10	19.0	02/14	
				CLO4	ND	10/97	ND	08/13	
				AS	2.9	12/00	2.5	06/07	
				CR6	1.0	06/01	0.6	08/13	
NORTH	1902096	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/13	VULNERABLE (NO3)
				NO3	43.4	02/07	28.0	02/14	
				CLO4	ND	09/97	ND	08/13	
				AS	4.6	08/95	2.6	08/10	
				CR6	1.0	06/01	0.8	08/13	
SOUTH	1902085	MUNICIPAL	DESTROYED	VOCS	ND	01/85	ND	06/91	
				NO3	16.2	03/91	14.0	05/12	
				CLO4	NA	NA	NA	NA	
				AS	2.6	08/11	2.6	08/11	
SUBURBAN WATER SYSTEMS									
101W-1	41901605	MUNICIPAL	DESTROYED	TCE	1.5	07/87	ND	08/89	
				NO3	54.2	08/89	54.2	08/89	
				CLO4	NA	NA	NA	NA	
				AS	ND	02/88	ND	08/89	
102W-1	1901605	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
102W-2	1901606	MUNICIPAL	DESTROYED	TCE	2.0	01/80	ND	06/85	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
103W-1	1901607	MUNICIPAL	DESTROYED	TCE	2.5	06/80	ND	07/82	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
105W-1	1901608	MUNICIPAL	DESTROYED	PCE	1.4	01/96	1.4	01/96	
				NO3	46.2	04/95	46.2	04/95	
				CLO4	NA	NA	NA	NA	
				AS	ND	06/88	ND	06/94	
106W-1	1901609	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
111W-1	1901610	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	82.5	03/73	82.5	03/73	
				CLO4	NA	NA	NA	NA	
112W-1	1901611	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	99.2	07/69	99.2	07/69	
				CLO4	NA	NA	NA	NA	
113W-1	1901612	MUNICIPAL	DESTROYED	TCE	0.7	02/80	0.5	03/85	
				NO3	85.0	10/85	67.8	02/88	
				CLO4	NA	NA	NA	NA	
114W-1	1901613	MUNICIPAL	INACTIVE	TCE	2.9	01/80	ND	07/95	
				PCE	0.5	12/93	ND	07/95	
				NO3	46.7	08/91	39.8	04/95	
				CLO4	NA	NA	NA	NA	
				AS	ND	11/88	ND	11/94	
117W-1	1901614	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
120W-1	1901615	MUNICIPAL	DESTROYED	TCE	0.3	07/82	ND	08/96	
				NO3	66.0	07/88	60.5	08/96	
				CLO4	NA	NA	NA	NA	
121W-1	8000181	MUNICIPAL	ACTIVE	VOCS	ND	10/02	ND	06/13	VULNERABLE
				NO3	21.0	12/12	11.0	06/13	(CLO4)
				CLO4	5.8	12/12	ND	06/13	
				AS	1.6	02/04	ND	08/11	
				CR6	9.6	02/05	6.4	04/13	
122W-1	1901616	MUNICIPAL	DESTROYED	TCE	2.6	08/96	2.6	08/96	
				NO3	90.0	05/86	60.7	08/96	
				CLO4	NA	NA	NA	NA	
				AS	3.0	08/79	ND	05/85	
123W-1	1901617	MUNICIPAL	DESTROYED	TCE	26.8	04/81	ND	08/96	
				PCE	33.0	04/81	ND	08/96	
				NO3	47.0	05/76	4.0	08/96	
				CLO4	NA	NA	NA	NA	
124W-1	1901618	MUNICIPAL	DESTROYED	TCE	0.5	06/83	ND	08/89	
				NO3	60.0	09/84	53.6	08/89	
				CLO4	NA	NA	NA	NA	
				AS	ND	06/80	ND	08/89	
125W-1	1901619	MUNICIPAL	DESTROYED	VOCS	ND	01/80	ND	09/81	
				NO3	30.0	05/76	21.0	05/79	
				CLO4	NA	NA	NA	NA	
125W-2	8000087	MUNICIPAL	INACTIVE	VOCS	ND	03/83	ND	07/95	
				NO3	50.0	08/87	40.6	03/95	
				CLO4	NA	NA	NA	NA	
				AS	ND	05/88	ND	08/94	
126W-1	1901620	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	18.0	05/75	18.0	05/75	
				CLO4	NA	NA	NA	NA	
126W-2	8000092	MUNICIPAL	INACTIVE	VOCS	ND	03/85	ND	08/00	
				NO3	38.8	07/91	34.9	03/01	
				CLO4	4.8	07/97	ND	01/98	
				AS	1.3	07/96	ND	08/00	
131W-1	1901621	MUNICIPAL	DESTROYED	TCE	56.0	10/93	56.0	10/93	
				PCE	227.0	04/80	52.0	10/93	
				CTC	2.7	10/93	2.7	10/93	
				1,1-DCE	40.0	10/93	40.0	10/93	
				1,1,1-TCA	5.3	10/93	5.3	10/93	
				NO3	62.0	09/81	55.3	10/93	
				CLO4	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
133W-1	1901622	MUNICIPAL	DESTROYED	TCE	0.5	07/87	ND	08/89	
				CTC	0.5	08/89	0.5	08/89	
				NO3	49.1	08/89	47.8	09/89	
				CLO4	NA	NA	NA	NA	
				AS	ND	04/81	ND	08/89	
134W-1	1901623	MUNICIPAL	DESTROYED	TCE	56.0	10/93	56.0	10/93	
				PCE	0.1	12/80	ND	10/93	
				1,1-DCE	8.6	10/93	8.6	10/93	
				1,1,1-TCA	13.2	03/83	ND	10/93	
				NO3	43.0	06/87	40.9	10/93	
				CLO4	NA	NA	NA	NA	
				AS	ND	03/88	ND	07/89	
135W-1	1901624	MUNICIPAL	DESTROYED	TCE	0.8	03/85	0.3	05/85	
				NO3	59.0	02/86	47.5	09/86	
				CLO4	NA	NA	NA	NA	
136W-1	1901625	MUNICIPAL	DESTROYED	PCE	335.0	03/80	66.0	10/93	
				TCE	53.0	03/80	9.1	10/93	
				CTC	2.4	10/93	2.4	10/93	
				1,1-DCE	15.0	10/93	15.0	10/93	
				NO3	48.0	01/77	37.6	10/93	
				CLO4	NA	NA	NA	NA	
				AS	5.0	08/79	5.0	08/79	
139W-1	1901598	MUNICIPAL	DESTROYED	TCE	34.8	06/81	ND	01/97	
				PCE	5.0	02/88	ND	01/97	
				CTC	0.8	09/80	ND	07/96	
				NO3	99.2	05/94	92.9	07/96	
				CLO4	NA	NA	NA	NA	
				AS	3.6	07/95	2.6	07/96	
139W-2	1901599	MUNICIPAL	INACTIVE	TCE	18.7	09/80	ND	05/10	
				PCE	12.1	03/80	ND	05/10	
				CTC	0.8	09/80	ND	05/10	
				CF	0.6	10/08	ND	05/10	
				NO3	103.5	10/08	58.5	05/10	
				CLO4	34.0	10/08	15.0	15/10	
				AS	3.2	07/95	2.6	08/01	
139W-4	8000069	MUNICIPAL	INACTIVE	TCE	4.7	04/97	ND	11/11	
				MC	0.7	09/07	ND	11/11	
				NO3	52.0	11/11	49.0	12/13	
				CLO4	12.0	12/03	11.0	12/13	
				AS	1.5	07/96	ND	03/11	
				CR6	4.1	11/00	2.3	12/03	
139W-5	8000095	MUNICIPAL	INACTIVE	TCE	19.0	08/01	19.0	08/01	
				PCE	10.8	05/99	0.7	08/01	
				CTC	1.0	08/01	1.0	08/01	
				1,2-DCA	1.0	02/00	ND	08/01	
				MC	2.4	09/97	ND	08/01	
				NO3	36.5	06/01	36.5	10/09	
				CLO4	12.0	09/97	12.0	10/09	
				AS	1.6	07/96	ND	08/01	
139W-6	8000152	MUNICIPAL	INACTIVE	TCE	51.2	02/01	ND	05/10	
				PCE	2.8	02/01	ND	05/10	
				CTC	1.9	02/01	ND	05/10	
				1,2-DCA	1.6	02/01	ND	05/10	
				NO3	42.8	10/08	36.5	05/10	
				CLO4	35.4	11/00	2.0	05/10	
				AS	2.7	05/96	ND	05/99	
140W-1	1901602	MUNICIPAL	DESTROYED	TCE	1.0	01/80	1.0	01/80	
				NO3	86.9	04/73	68.0	05/75	
				CLO4	NA	NA	NA	NA	
				AS	ND	01/02	ND	01/02	
140W-3	1903067	MUNICIPAL	STANDBY	TCE	13.6	03/80	ND	12/11	VULNERABLE
				PCE	1.0	06/88	ND	12/11	(VOCS, NO3, AND CLO4)
				CTC	1.0	09/81	ND	12/11	
				1,1-DCE	1.1	10/09	ND	12/11	
				NO3	78.0	03/85	46.0	12/13	
				CLO4	16.0	12/05	6.0	12/13	
				AS	4.0	08/76	ND	12/06	
				CR6	12.7	06/01	11.0	02/04	
140W-4	8000093	MUNICIPAL	INACTIVE	TCE	7.0	01/96	1.5	11/06	
				NO3	36.4	10/03	36.3	12/04	
				CLO4	12.6	10/03	11.6	12/04	
				AS	2.4	07/95	ND	12/04	
140W-5	8000145	MUNICIPAL	ACTIVE	TCE	21.0	02/91	8.0	06/13	VULNERABLE
				PCE	1.0	06/07	ND	06/13	(VOCS, NO3, CLO4)
				NO3	30.0	03/09	18.0	06/13	
				CLO4	15.0	10/12	12.0	06/13	
				AS	1.9	07/96	ND	11/09	
				CR6	9.8	02/05	6.8	04/13	
142W-1	1901597	MUNICIPAL	DESTROYED	VOCS	ND	02/80	ND	07/82	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	74.0	06/81	74.0	06/81	
				CLO4	NA	NA	NA	NA	
142W-2	8000183	MUNICIPAL	ACTIVE	VOCS	ND	03/04	ND	06/13	VULNERABLE
				NO3	13.0	11/12	12.0	06/13	(CLO4)
				CLO4	3.6	10/09	ND	06/13	
				AS	1.6	07/04	ND	02/12	
				CR6	12.0	02/05	6.8	04/13	
147W-1	1901596	MUNICIPAL	DESTROYED	TCE	23.0	03/85	23.0	03/85	
				PCE	1.2	03/85	1.2	03/85	
				NO3	100.0	03/85	100.0	03/85	
				CLO4	NA	NA	NA	NA	
147W-2	1902760	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	54.0	09/74	54.0	09/74	
				CLO4	NA	NA	NA	NA	
147W-3	8000077	MUNICIPAL	ACTIVE	TCE	4.1	01/92	1.5	06/13	VULNERABLE
				PCE	4.4	04/89	0.9	06/13	(VOCS AND CLO4)
				1,1-DCE	8.9	01/89	0.9	06/13	
				1,1-DCA	4.8	05/89	ND	06/13	
				NO3	19.8	09/88	8.0	06/13	
				CLO4	3.0	04/10	ND	06/13	
				AS	1.8	07/04	ND	08/11	
				CR6	13.0	04/05	9.6	04/13	
148W-1	1901604	MUNICIPAL	DESTROYED	TCE	0.8	06/80	ND	04/97	
				NO3	47.0	02/76	34.8	04/97	
				CLO4	NA	NA	NA	NA	
				AS	26.0	06/78	26.0	06/78	
149W-1	1902119	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
150W-1	1902519	MUNICIPAL	DESTROYED	TCE	6.0	09/81	ND	08/93	
				NO3	53.0	03/86	13.4	08/94	
				CLO4	NA	NA	NA	NA	
				AS	ND	07/89	ND	08/94	
151W-1	1902518	MUNICIPAL	DESTROYED	VOCS	ND	01/80	ND	03/98	
				NO3	116.0	03/98	116.0	03/98	
				CLO4	21.6	03/98	21.6	03/98	
				AS	7.0	08/79	7.0	08/79	
151W-2	8000207	MUNICIPAL	ACTIVE	TCE	0.9	10/12	0.6	06/13	
				NO3	7.6	11/13	7.3	06/13	
				CLO4	1.5	03/12	ND	06/13	
				AS	1.3	12/06	1.3	12/06	
				CR6	12.0	04/05	8.1	04/13	
152W-1	1900337	MUNICIPAL	DESTROYED	TCE	12.8	11/82	8.0	03/85	
				PCE	0.8	11/82	0.3	03/85	
				NO3	43.4	05/86	43.4	05/86	
				CLO4	NA	NA	NA	NA	
153W-1	1902761	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
154W-1	1902762	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	81.0	05/79	81.0	05/79	
				CLO4	NA	NA	NA	NA	
155W-1	1902819	MUNICIPAL	INACTIVE	PCE	190.0	11/80	90.0	11/98	
				TCE	50.0	07/81	24.0	11/98	
				CTC	19.0	02/82	ND	11/98	
				1,1-DCE	16.0	03/85	13.0	11/98	
				NO3	60.0	11/80	49.8	11/98	
				CLO4	5.4	11/98	5.4	11/98	
				AS	4.0	08/76	ND	03/85	
155W-2	1902820	MUNICIPAL	DESTROYED	PCE	190.0	09/93	76.0	11/98	
				TCE	39.0	04/80	22.0	11/98	
				1,1-DCE	21.0	09/93	11.0	11/98	
				1,1-DCA	3.0	09/93	1.4	11/98	
				C-1,2-DCE	16.0	03/85	1.8	11/98	
				NO3	49.0	11/98	49.0	11/98	
				CLO4	4.3	11/98	ND	11/98	
157W-1	1902763	MUNICIPAL	DESTROYED	TCE	12.2	02/80	ND	03/85	
				NO3	58.0	02/86	58.0	02/86	
				CLO4	NA	NA	NA	NA	
201W-1	1901429	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
201W-2	1901430	MUNICIPAL	DESTROYED	TCE	6.8	04/89	1.7	08/06	
				PCE	3.9	09/88	1.4	08/06	
				1,1-DCE	3.2	08/89	ND	08/06	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				C-1,2-DCE	6.1	02/91	4.3	08/06	
				NO3	6.8	08/94	6.3	08/06	
				CLO4	ND	08/97	ND	09/03	
				AS	8.5	08/97	3.0	08/06	
201W-3	1901431	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
201W-4	1901433	MUNICIPAL	DESTROYED	TCE	6.4	09/89	ND	02/09	
				PCE	4.1	09/88	ND	02/09	
				1,1-DCE	2.0	07/88	ND	02/09	
				C-1,2-DCE	5.2	05/97	ND	02/09	
				BF	4.7	11/07	2.2	02/09	
				DBCM	1.9	11/07	1.0	02/09	
				NO3	18.0	08/10	18.0	08/10	
				CLO4	ND	06/97	ND	08/10	
				AS	4.0	08/97	ND	08/10	
				CR6	1.9	05/01	1.9	05/01	
201W-5	1901432	MUNICIPAL	DESTROYED	TCE	6.4	09/89	ND	03/08	
				PCE	3.8	09/89	ND	03/08	
				1,1-DCE	2.9	09/88	ND	03/08	
				C-1,2-DCE	4.9	08/88	ND	03/08	
				BDCM	1.7	11/07	ND	03/08	
				BF	6.4	11/07	0.6	03/08	
				DBCM	4.6	11/07	ND	03/08	
				NO3	12.0	08/94	12.0	08/07	
				CLO4	ND	06/97	ND	06/03	
				AS	8.9	09/89	4.0	09/05	
201W-6	1901434	MUNICIPAL	DESTROYED	TCE	3.9	05/88	ND	09/05	
				PCE	3.3	05/88	ND	09/05	
				1,1-DCE	3.2	09/88	ND	09/05	
				C-1,2-DCE	8.7	05/88	ND	09/05	
				NO3	20.0	06/85	7.7	05/05	
				CLO4	ND	06/97	ND	06/03	
				AS	9.2	08/95	2.0	09/04	
201W-7	8000195	MUNICIPAL	ACTIVE	PCE	0.6	08/08	ND	05/14	
				C-1,2-DCE	0.9	08/08	ND	05/14	
				NO3	14.0	08/09	10.0	08/13	
				CLO4	ND	08/08	ND	08/13	
				AS	2.0	08/08	ND	08/11	
				CR6	0.8	04/13	0.8	04/13	
201W-8	8000198	MUNICIPAL	ACTIVE	TCE	0.5	05/07	ND	05/14	
				C-1,2-DCE	1.1	05/07	ND	05/14	
				EBZ	0.8	07/06	ND	05/14	
				NO3	11.0	08/11	5.9	08/13	
				CLO4	2.1	07/06	ND	08/13	
				AS	2.7	08/09	2.7	08/09	
				CR6	1.1	05/07	0.9	04/13	
201W-9	8000208	MUNICIPAL	ACTIVE	PCE	0.9	04/12	ND	05/14	
				NO3	16.0	02/14	16.0	02/14	
				CLO4	ND	03/08	ND	08/13	
				AS	1.5	05/07	ND	02/11	
				CR6	0.6	04/13	0.6	04/13	
201W-10	8000210	MUNICIPAL	ACTIVE	TCE	1.4	09/07	0.5	05/14	
				PCE	1.3	09/07	ND	05/14	
				C-1,2-DCE	3.0	09/07	0.8	05/14	
				NO3	4.5	05/11	2.4	05/13	
				CLO4	ND	09/07	ND	05/13	
				AS	2.1	09/07	ND	05/09	
				CR6	0.3	09/07	0.3	09/07	
202W-1	1901627	MUNICIPAL	DESTROYED	TCE	4.3	09/81	ND	01/89	
				PCE	15.0	10/88	12.1	01/89	
				NO3	24.0	07/87	23.0	10/88	
				CLO4	NA	NA	NA	NA	
				AS	ND	09/88	ND	09/88	
SUNNY SLOPE WATER COMPANY									
08	1900026	MUNICIPAL	ACTIVE	VOCS	ND	01/87	ND	09/13	VULNERABLE
				NO3	24.0	09/94	22.0	03/14	(NO3)
				CLO4	ND	07/97	ND	09/13	
				AS	ND	09/89	ND	09/11	
				CR6	7.1	12/00	5.2	09/13	
09	1902792	MUNICIPAL	ACTIVE	VOCS	ND	01/85	ND	03/14	VULNERABLE
				NO3	36.0	06/03	21.0	03/14	(NO3)
				CLO4	ND	07/97	ND	09/13	
				AS	3.6	08/96	ND	09/09	
				CR6	4.5	07/01	4.3	09/13	
10	8000048	MUNICIPAL	INACTIVE	VOCS	ND	01/85	ND	08/96	
				NO3	63.6	12/94	50.9	08/96	
				CLO4	NA	NA	NA	NA	
				AS	0.7	08/96	0.7	08/96	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
13	8000157	MUNICIPAL	ACTIVE	VOCS	ND	08/96	ND	09/13	
				NO3	7.2	09/09	6.6	09/13	
				CLO4	ND	07/97	ND	09/13	
				AS	ND	08/96	ND	09/11	
				CR6	9.9	07/01	7.9	09/13	
TAYLOR HERB GARDEN									
NA	1902964	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
TEXACO INC.									
14	1900001	INDUSTRIAL	DESTROYED	PCE	40.0	07/01	2.8	09/03	
				TCE	5.0	05/85	ND	09/03	
				1,2-DCA	0.6	01/96	ND	09/03	
				MC	4.6	04/87	ND	09/03	
				NO3	33.0	07/01	6.4	09/03	
				CLO4	ND	09/97	ND	09/97	
THOMPSON, EARL W.									
01	1900680	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
TOMOVICH (NICK) & SON									
NA	8000037	DOMESTIC	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
TYLER NURSERY									
NA	8000049	IRRIGATION	INACTIVE	TCE	12.9	12/99	1.2	09/04	
				PCE	44.6	12/99	1.2	09/04	
				1,1-DCE	0.6	09/02	ND	09/04	
				1,1-DCA	0.9	09/02	ND	09/04	
				C-1,2-DCE	8.7	09/02	ND	09/04	
				NO3	31.0	09/02	ND	09/04	
				CLO4	NA	NA	NA	NA	
UNITED CONCRETE PIPE CORPORATION									
NA	8000067	INDUSTRIAL	INACTIVE	VOCS	ND	08/89	ND	10/08	
				NO3	4.3	08/89	4.3	08/89	
				CLO4	NA	NA	NA	NA	
UNITED ROCK PRODUCTS CORPORATION									
IRW-1	1900106	INDUSTRIAL	ACTIVE	VOCS	ND	08/89	ND	10/09	
				NO3	6.4	07/96	2.5	10/09	
				CLO4	ND	02/98	ND	02/98	
				AS	ND	04/98	ND	04/98	
IRW-2	1903062	INDUSTRIAL	ACTIVE	VOCS	ND	07/96	ND	11/05	
				NO3	4.5	10/04	2.6	11/05	
				CLO4	ND	02/98	ND	02/98	
					ND	04/98	ND	04/98	
SIERRA	1902532	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
VALENCIA HEIGHTS WATER COMPANY									
01	8000051	MUNICIPAL	INACTIVE	MC	0.7	06/89	ND	07/09	
				NO3	46.5	04/99	32.6	07/07	
				CLO4	8.5	08/00	ND	07/09	
				AS	0.7	08/96	ND	07/07	
02	8000052	MUNICIPAL	INACTIVE	TCE	0.2	01/80	ND	07/08	
				NO3	53.7	07/97	27.0	07/06	
				CLO4	8.0	10/98	4.2	07/08	
				AS	0.9	08/96	ND	07/06	
03A	8000055	MUNICIPAL	INACTIVE	VOCS	ND	03/85	ND	03/92	
				NO3	34.8	09/89	12.1	08/92	
				CLO4	NA	NA	NA	NA	
04	8000054	MUNICIPAL	INACTIVE	PCE	1.0	09/99	ND	09/01	
				NO3	90.0	11/97	78.0	03/02	
				CLO4	32.6	11/00	28.0	03/02	
				AS	2.2	07/00	ND	08/00	
				CR6	5.0	11/00	5.0	11/00	
05	8000120	MUNICIPAL	ACTIVE	VOCS	ND	06/90	ND	07/13	VULNERABLE
				NO3	42.0	08/12	37.0	07/13	(NO3 AND CLO4)

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	7.2	11/00	ND	04/14	
				AS	0.9	08/96	ND	08/12	
				CR6	1.7	08/13	1.7	08/13	
06	8000180	MUNICIPAL	ACTIVE	CF	13.0	12/02	ND	07/13	VULNERABLE
				NO3	49.3	06/04	45.0	06/13	(NO3 AND CLO4)
				CLO4	8.9	01/07	5.6	04/14	
				AS	ND	12/02	ND	08/12	
				CR6	8.0	12/02	2.2	08/13	
07	8000211	MUNICIPAL	ACTIVE	VOCS	ND	05/08	ND	07/13	VULNERABLE
				NO3	32.0	08/12	28.0	06/13	(NO3 AND CLO4)
				CLO4	5.4	10/12	ND	04/14	
				AS	ND	12/09	ND	08/12	
				CR6	1.2	08/13	1.2	08/13	
VALLEY COUNTY WATER DISTRICT									
ARROW	1900034	MUNICIPAL	INACTIVE	TCE	700.0	07/82	600.0	12/96	
				PCE	980.0	12/96	980.0	12/96	
				1,1-DCE	64.0	12/96	64.0	12/96	
				C-1,2-DCE	59.0	12/96	59.0	12/96	
				CTC	14.5	09/92	8.0	12/96	
				1,2-DCA	9.0	02/92	7.3	12/96	
				1,1,1-TCA	45.0	12/96	45.0	12/96	
				1,1-DCA	2.9	02/95	2.7	12/96	
				NO3	26.4	08/96	26.4	08/96	
				CLO4	NA	NA	NA	NA	
				AS	1.5	08/96	1.5	08/96	
B DALTON	1900035	MUNICIPAL	INACTIVE	TCE	137.0	04/85	ND	05/11	
				PCE	8.0	04/85	ND	05/11	
				1,1-DCA	0.9	05/96	ND	05/11	
				C-1,2-DCE	2.0	11/95	ND	05/11	
				CTC	9.9	04/85	ND	05/11	
				1,2-DCA	11.0	12/98	ND	05/11	
				NO3	72.0	10/09	72.0	05/11	
				CLO4	99.1	12/98	11.0	05/11	
				AS	5.0	11/95	2.7	09/07	
E NIXON (E JOAN)	1900032	MUNICIPAL	ACTIVE	TCE	7.0	11/08	ND	05/14	VULNERABLE
				PCE	11.0	10/04	ND	05/14	(VOCS) (1)
				1,1-DCE	1.3	10/04	ND	05/14	
				C-1,2-DCE	1.7	10/04	ND	05/14	
				NO3	13.6	02/05	4.4	05/14	
				CLO4	ND	05/97	ND	05/14	
				AS	3.0	08/06	2.0	10/12	
				CR6	1.0	05/01	0.3	08/13	
E MAINE	1900027	MUNICIPAL	ACTIVE	TCE	36.0	10/04	ND	05/14	VULNERABLE
				PCE	110.0	10/04	0.7	05/14	(VOCs AND CLO4) (1)
				1,1-DCE	10.1	02/91	ND	05/14	
				1,2-DCA	1.4	10/04	ND	05/14	
				1,1,1-TCA	9.1	02/91	ND	05/14	
				C-1,2-DCE	13.0	06/03	ND	05/14	
				CF	1.1	10/04	ND	05/14	
				NO3	21.0	02/11	9.0	05/14	
				CLO4	7.8	10/04	ND	08/13	
				AS	4.4	08/89	2.1	02/12	
				CR6	1.0	05/01	0.4	08/13	
LANTE (SA1-3)	8000060	MUNICIPAL	ACTIVE	TCE	1315.0	04/98	35.0	08/13	VULNERABLE
				PCE	1200.0	11/96	77.0	08/13	(VOCS, NO3, AND CLO4) (1,4)
				1,1-DCE	110.0	11/96	3.7	08/13	
				C-1,2-DCE	90.0	11/96	2.5	08/13	
				T-1,2-DCE	110.0	04/85	ND	08/13	
				1,1-DCA	18.0	08/04	ND	08/13	
				1,2-DCA	12.5	01/92	ND	08/13	
				CTC	17.6	01/92	ND	08/13	
				1,1,1-TCA	170.0	04/85	ND	08/13	
				MC	24.4	05/87	ND	08/13	
				CF	3.2	05/06	ND	08/13	
				o-DCB	0.6	08/04	ND	08/13	
				p-DCB	3.1	08/04	ND	06/13	
				NO3	43.0	05/05	39.0	05/14	
				CLO4	94.0	04/98	10.0	06/13	
				AS	2.4	01/05	ND	02/12	
				CR6	18.0	01/05	2.3	08/13	
MORADA	1900029	MUNICIPAL	INACTIVE	TCE	770.0	03/80	ND	05/11	
				PCE	100.0	02/85	2.2	05/11	
				CTC	29.0	04/84	ND	05/11	
				1,1-DCE	2.5	04/88	ND	05/11	
				1,1-DCA	8.5	02/85	ND	05/11	
				1,2-DCA	0.7	04/88	ND	05/11	
				C-1,2-DCE	8.1	08/95	ND	05/11	
				CF	1.7	10/08	ND	05/11	
				NO3	110.8	11/90	85.5	05/11	
				CLO4	21.0	02/04	11.0	05/11	
				AS	3.6	08/95	3.6	08/95	
PADDY LN	1900031	MUNICIPAL	INACTIVE	TCE	166.0	04/94	29.0	05/11	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				PCE	42.0	11/93	3.5	05/11	
				CF	4.9	05/10	1.8	05/11	
				CTC	15.0	12/87	1.0	05/11	
				1,1-DCE	17.2	11/93	1.6	05/11	
				C-1,2-DCE	23.8	11/93	1.9	05/11	
				1,2-DCA	6.6	02/04	2.6	05/11	
				NO3	63.0	05/10	39.6	05/11	
				CLO4	154.0	02/98	38.0	05/11	
				AS	ND	06/80	ND	11/94	
PALM	8000039	MUNICIPAL	INACTIVE	CTC	48.0	07/82	0.8	02/04	
				TCE	56.0	02/04	56.0	02/04	
				PCE	51.0	02/04	51.0	02/04	
				CF	0.7	02/04	0.7	02/04	
				C-1,2-DCE	7.1	02/04	7.1	02/04	
				1,1,1-TCA	1.8	02/04	1.8	02/04	
				NO3	11.0	12/94	10.0	02/04	
				CLO4	5.6	02/04	5.6	02/04	
				AS	ND	10/87	ND	11/92	
W NIXON (W JOAN)	1902356	MUNICIPAL	ACTIVE	TCE	4.0	11/04	0.6	05/14	VULNERABLE (VOCS) (1)
				PCE	8.0	11/04	1.8	05/14	
				MC	1.6	05/89	ND	06/13	
				NO3	8.5	08/13	7.7	05/14	
				CLO4	ND	05/97	ND	08/13	
				AS	3.1	08/95	1.9	02/12	
				CR6	1.0	05/01	0.3	08/13	
W MAINE	1900028	MUNICIPAL	ACTIVE	TCE	47.3	02/91	0.6	05/14	VULNERABLE (VOCS AND CLO4) (1)
				PCE	70.0	02/03	1.4	05/14	
				1,1-DCE	14.2	02/91	ND	05/14	
				1,2-DCA	0.8	08/04	ND	05/14	
				1,1,1-TCA	10.6	02/91	ND	05/14	
				C-1,2-DCE	9.0	02/03	ND	05/14	
				NO3	20.8	05/90	6.3	05/14	
				CLO4	6.3	10/04	ND	08/13	
				AS	2.6	07/96	2.1	02/12	
				CR6	1.0	05/01	0.4	08/13	
SA1-1	8000185	MUNICIPAL	ACTIVE	TCE	34.0	07/05	1.4	05/13	VULNERABLE (VOCS, NO3, AND CLO4) (1,4)
				PCE	47.0	04/07	1.7	05/13	
				1,1-DCA	11.0	07/05	ND	05/13	
				1,1-DCE	110.0	07/05	0.8	05/13	
				1,2-DCA	1.0	07/05	ND	05/13	
				C-1,2-DCE	4.1	07/05	ND	05/13	
				1,1,1-TCA	6.0	05/06	ND	05/13	
				CF	1.6	12/04	ND	05/13	
				MC	2.2	04/07	ND	05/13	
				FREON 11	5.8	02/12	5.8	05/13	
				NO3	87.0	01/05	65.0	05/13	
				CLO4	17.0	01/05	7.7	05/13	
				AS	1.3	06/03	ND	02/12	
				CR6	2.4	03/06	2.0	09/07	
SA1-2	8000186	MUNICIPAL	ACTIVE	TCE	25.0	04/06	2.0	12/09	VULNERABLE (VOCS, NO3, AND CLO4) (1,4)
				PCE	37.0	05/06	4.8	12/09	
				1,1-DCA	8.7	07/05	ND	12/09	
				1,1-DCE	62.0	04/06	1.2	12/09	
				1,2-DCA	1.0	07/05	ND	12/09	
				C-1,2-DCE	6.2	07/05	ND	12/09	
				1,1,1-TCA	2.2	05/06	ND	12/09	
				CF	1.3	05/06	ND	12/09	
				NO3	72.0	03/05	72.0	05/12	
				CLO4	15.0	03/05	11.0	12/09	
				AS	2.0	03/06	ND	02/09	
				CR6	2.6	03/06	2.0	09/07	
VALLEY VIEW MUTUAL WATER COMPANY									
01	1900363	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	09/10	
				NO3	6.4	09/09	5.7	09/10	
				CLO4	ND	08/97	ND	09/10	
				AS	3.0	09/07	ND	09/10	
				CR6	1.0	11/00	1.0	05/01	
02	1900364	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	09/13	
				NO3	7.7	09/09	6.5	09/13	
				CLO4	ND	08/97	ND	09/13	
				AS	2.0	09/96	ND	12/10	
				CR6	2.5	05/01	0.6	09/13	
03	1900365	MUNICIPAL	INACTIVE	TCE	1.3	01/80	ND	03/98	
				NO3	26.9	03/98	26.9	03/98	
				CLO4	18.6	03/98	18.6	03/98	
VIA TRUST									
01	1903012	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
VULCAN MATERIALS COMPANY (CALMAT COMPANY									

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
DUR E	1902920	INDUSTRIAL	ACTIVE	TCE	32.0	11/04	ND	10/10	VULNERABLE (VOCS)
				PCE	27.0	11/04	0.9	10/10	
				1,1-DCE	5.3	11/04	ND	10/10	
				C-1,2-DCE	2.8	11/04	ND	10/10	
				1,1,1-TCA	0.7	11/04	ND	10/10	
				CF	0.7	11/04	ND	10/10	
				MC	1.1	10/06	ND	10/10	
				NO3	16.2	10/04	7.2	10/10	
				CLO4	ND	04/98	ND	10/08	
				AS	ND	04/98	ND	04/98	
DUR W	8000063	INDUSTRIAL	ACTIVE	PCE	0.8	02/07	ND	10/09	VULNERABLE (CLO4)
				NO3	16.0	07/01	14.0	10/09	
				CLO4	4.0	05/98	4.0	05/98	
				AS	2.9	05/98	2.9	05/98	
REL 1	1903088	INDUSTRIAL	ACTIVE	VOCS	ND	05/94	ND	10/10	
				NO3	6.5	09/02	ND	10/10	
				CLO4	ND	05/98	ND	05/98	
				AS	4.8	05/94	3.5	07/94	
WADE, RICHARD I.									
NA	8000056	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
WEST COVINA VENTURE LIMITED									
NA	1902970	NA	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
WHITTIER, CITY OF									
09	1901745	MUNICIPAL	DESTROYED	TCE	1.4	04/85	ND	08/89	
				PCE	1.9	10/88	0.6	08/89	
				NO3	8.8	08/89	8.8	08/89	
				CLO4	NA	NA	NA	NA	
				AS	ND	07/74	ND	08/89	
10	1901746	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	6.6	01/74	6.6	01/74	
				CLO4	NA	NA	NA	NA	
11	1901747	MUNICIPAL	DESTROYED	VOCS	ND	06/87	ND	11/90	
				NO3	10.1	01/90	10.1	01/90	
				CLO4	NA	NA	NA	NA	
				AS	ND	04/80	ND	08/89	
12	1901748	MUNICIPAL	DESTROYED	TCE	1.5	07/88	1.5	07/88	
				PCE	0.7	07/88	0.7	07/88	
				NO3	10.0	12/84	8.5	12/85	
				CLO4	NA	NA	NA	NA	
13	1901749	MUNICIPAL	ACTIVE	PCE	4.9	11/87	ND	03/14	VULNERABLE (VOCS) (3)
				TCE	1.1	06/87	ND	03/14	
				MTBE	6.4	03/02	ND	03/14	
				NO3	17.0	03/11	12.0	03/14	
				CLO4	ND	08/97	ND	09/13	
				AS	4.1	03/02	ND	03/14	
				CR6	1.0	05/01	0.2	09/13	
15	8000071	MUNICIPAL	ACTIVE	PCE	9.4	03/03	0.5	03/14	VULNERABLE (VOCS) (3)
				TCE	0.7	09/04	ND	03/14	
				C-1,2-DCE	2.5	12/93	ND	03/14	
				NO3	13.0	08/89	5.8	09/13	
				CLO4	ND	08/97	ND	09/13	
				AS	3.5	03/02	ND	09/10	
				CR6	2.2	10/00	0.4	09/13	
16	8000110	MUNICIPAL	ACTIVE	PCE	3.4	12/02	0.9	03/14	VULNERABLE (VOCS) (3)
				TCE	1.4	01/97	ND	03/14	
				C-1,2-DCE	2.5	10/96	ND	03/14	
				NO3	11.0	03/11	6.6	03/14	
				CLO4	ND	08/97	ND	09/13	
				AS	5.8	03/02	ND	03/14	
				CR6	2.5	05/01	1.6	09/13	
17	8000135	MUNICIPAL	INACTIVE	PCE	12.0	12/02	3.3	09/08	
				TCE	2.2	05/92	0.5	09/08	
				C-1,2-DCE	1.2	04/95	ND	09/08	
				NO3	13.0	03/03	9.1	03/08	
				CLO4	ND	08/97	ND	09/08	
				AS	3.4	03/02	ND	03/06	
				CR6	1.6	10/00	1.6	05/01	
18	8000136	MUNICIPAL	INACTIVE	PCE	9.2	09/08	4.4	03/14	
				TCE	2.4	11/95	0.8	03/14	
				C-1,2-DCE	0.7	10/96	ND	03/14	
				NO3	14.7	03/05	9.3	03/14	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2014)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	ND	08/97	ND	09/13	
				AS	4.1	03/02	ND	03/12	
				CR6	1.0	10/00	0.8	09/13	
WILMOTT, ERMA M.									
01	8000006	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
WOODLAND, RICHARD									
01	1902949	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1902950	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK									
04	1902790	IRRIGATION	ACTIVE	PCE	5.3	08/87	ND	10/09	VULNERABLE
				TCE	11.0	04/85	ND	10/09	(VOCS AND NO3)
				1,1-DCE	14.0	04/85	ND	10/09	
				1,1,1-TCA	3.3	04/85	ND	10/09	
				NO3	52.8	02/07	43.0	10/10	
				CLO4	ND	06/98	ND	06/98	
01	1900132	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1900095	IRRIGATION	INACTIVE	PCE	8.6	04/85	ND	10/04	
				TCE	11.0	04/85	ND	10/04	
				NO3	91.4	10/04	91.4	10/04	
				CLO4	ND	06/98	ND	06/98	
01	1900094	IRRIGATION	INACTIVE	TCE	6.1	04/87	ND	10/10	
				PCE	6.4	11/87	1.1	10/10	
				1,2-DCA	0.8	01/96	ND	10/10	
				1,1-DCE	1.0	04/87	ND	10/10	
				C-1,2-DCE	2.6	05/85	ND	10/10	
				NO3	45.2	02/98	31.0	10/10	
				CLO4	ND	02/98	ND	02/98	
				AS	3.0	06/95	2.1	06/96	
03	1900052	IRRIGATION	ACTIVE	TCE	21.0	05/85	ND	09/05	VULNERABLE
				PCE	7.4	05/85	ND	09/05	(VOCS AND NO3)
				1,1-DCE	2.7	05/85	ND	09/05	
				C-1,2-DCE	28.0	05/85	ND	09/05	
				1,1-DCA	1.1	05/85	ND	09/05	
				1,1,1-TCA	7.5	05/85	ND	09/05	
				NO3	46.4	08/00	25.7	09/05	
				CLO4	ND	02/98	ND	02/98	

NOTES

ABBREVIATION	CONTAMINANT	MAXIMUM CONTAMINANT LEVEL	METHOD DETECTION LIMIT
1,1-DCA	1,1-Dichloroethane	5 micrograms per liter (ug/L)	0.5 ug/L
1,1-DCE	1,1-Dichloroethylene	6 ug/L	0.5 ug/L
1,1,1-TCA	1,1,1-Trichloroethane	200 ug/L	0.5 ug/L
1,1,2,2-PCA	1,1,2,2-Tetrachloroethane	1 ug/L	0.5 ug/L
1,2-DCA	1,2-Dichloroethane	0.5 ug/L	0.5 ug/L
AS	Arsenic	10 ug/L	2.0 ug/L
BDCM	Bromodichloromethane	80 ug/L	0.5 ug/L
BF	Bromoform	80 ug/L	0.5 ug/L
CF	Chloroform	80 ug/L	0.5 ug/L
CLO4	Perchlorate	6 ug/L	4.0 ug/L
CTC	Carbon Tetrachloride	0.5 ug/L	0.5 ug/L
C-1,2-DCE	Cis-1,2-Dichloroethylene	6 ug/L	0.5 ug/L
CR6	Hexavalent Chromium	10 ug/L	1.0 ug/L
DBCM	Dibromochloromethane	80 ug/L	0.5 ug/L
EBZ	Ethylbenzene	300 ug/L	0.5 ug/L
FREON 11	Trichlorofluoromethane	150 ug/L	5.0 ug/L
FREON 113	Trichlorotrifluoroethane	1200 ug/L	10.0 ug/L
MC	Methylene Chloride	5 ug/L	0.5 ug/L
MTBE	Methyl Tert-Butyl Ether	13 ug/L	1.0 ug/L
NO3	Nitrate as Nitrate	45 milligrams per liter (mg/L)	2.0 mg/L
o-DCB	1,2-Dichlorobenzene	600 ug/L	0.5 ug/L
p-DCB	1,4-Dichlorobenzene	5 ug/L	0.5 ug/L
PCE	Tetrachloroethylene	5 ug/L	0.5 ug/L
TCE	Trichloroethylene	5 ug/L	0.5 ug/L
T-1,2-DCE	Trans-1,2-Dichloroethylene	10 ug/L	0.5 ug/L
VC	Vinyl Chloride	0.5 ug/L	0.5 ug/L

REMARKS	
(1)	Existing VOC treatment
(2)	VOC treatment under construction
(3)	VOC treatment proposed
(4)	Existing CLO4 treatment
(5)	CLO4 treatment proposed
NA	Not Available
ND	Not Detected
NL	Notification Level
VOCS	Volatile Organic Compounds

APPENDIX D.

Potential Sites for Aquifer Performance Tests

D

APPENDIX D

POTENTIAL SITES FOR AQUIFER PERFORMANCE TESTS

NAME	RECORD.	USAGE	STATUS	PERF. (1)	FUNCTION	REMARKS
ALHAMBRA, CITY OF						
LON 1	1902789	MUNICIPAL	ACTIVE	411-800	MONITORING	
LON 2	1900017	MUNICIPAL	ACTIVE	296-563	PUMPING	
AZUSA, CITY OF						
NO. 12	8000179	MUNICIPAL	ACTIVE	206-311	PUMPING	
NO. 11	8000178	MUNICIPAL	ACTIVE	200-320	MONITORING	
CALIFORNIA AMERICAN WATER COMPANY/DUARTE						
B V	1900035	MUNICIPAL	ACTIVE	300-580	PUMPING	
B V 2	8000216	MUNICIPAL	ACTIVE	300-700	MONITORING	
CALIFORNIA DOMESTIC WATER COMPANY						
05A	8000100	MUNICIPAL	ACTIVE	?-920	PUMPING	
06	1902967	MUNICIPAL	ACTIVE	200-800	MONITORING	
CHAMPION MUTUAL WATER COMPANY						
01	1900908	MUNICIPAL	INACTIVE	100-130	MONITORING	
02	1902816	MUNICIPAL	ACTIVE	152-265	PUMPING	
03	8000121	MUNICIPAL	ACTIVE	107-299	MONITORING	
GLENDORA, CITY OF						
05-E	8000149	MUNICIPAL	ACTIVE	150-400	PUMPING	
NA	1903119	INDUSTRIAL	INACTIVE	?-220	MONITORING	OWL ROCK PRODUCTS WELL
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRICT						
COL-4	1902268	MUNICIPAL	INACTIVE	122-190	PUMPING	
COL-6	1902270	MUNICIPAL	INACTIVE	?-414	MONITORING	
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL VALLEY DISTRICT						
FAR 1	1902034	MUNICIPAL	ACTIVE	274-455	PUMPING	
FAR 2	1902948	MUNICIPAL	ACTIVE	229-600	MONITORING	
SG 1	1900510	MUNICIPAL	ACTIVE	190-411	MONITORING	
SG 2	1900511	MUNICIPAL	ACTIVE	209-393	PUMPING	
RURBAN HOMES MUTUAL WATER COMPANY						
NORTH 1	1900120	MUNICIPAL	ACTIVE	140-190	MONITORING	
SOUTH 2	1900121	MUNICIPAL	ACTIVE	125-165	PUMPING	
SAN GABRIEL COUNTY WATER DISTRICT						
05 BRA	1901669	MUNICIPAL	INACTIVE	450-800	MONITORING	
11	8000067	MUNICIPAL	ACTIVE	350-800	PUMPING	
12	8000123	MUNICIPAL	ACTIVE	470-1320	MONITORING	
SAN GABRIEL VALLEY WATER COMPANY						
B24A	8000203	MUNICIPAL	ACTIVE	600-1150	PUMPING	
B24B	8000204	MUNICIPAL	ACTIVE	600-1150	MONITORING	

APPENDIX D

POTENTIAL SITES FOR AQUIFER PERFORMANCE TESTS

NAME	RECORD.	USAGE	STATUS	PERF. (1)	FUNCTION	REMARKS
SUBURBAN WATER SYSTEMS						
201W-9	8000208	MUNICIPAL	ACTIVE	260-650	PUMPING	
201W-7	8000195	MUNICIPAL	ACTIVE	200-650	MONITORING	
201W-8	8000198	MUNICIPAL	ACTIVE	200-650	MONITORING	
201W-10	8000210	MUNICIPAL	ACTIVE	NA	MONITORING	
VALLEY COUNTY WATER DISTRICT						
E NIXON (JOANBRIDGE)	1900032	MUNICIPAL	ACTIVE	300-586	MONITORING	ALTERNATE FOR MAINE SITE
W NIXON (JOANBRIDGE)	1902356	MUNICIPAL	ACTIVE	300-584	PUMPING	
E MAINE	1900027	MUNICIPAL	ACTIVE	250-580	PUMPING	ALTERNATE FOR NIXON SITE
W MAINE	1900028	MUNICIPAL	ACTIVE	250-580	MONITORING	
VALLEY VIEW MUTUAL WATER COMPANY						
01	1900363	MUNICIPAL	ACTIVE	300-585	MONITORING	
02	1900364	MUNICIPAL	ACTIVE	300-535	PUMPING	
03	1900365	MUNICIPAL	INACTIVE	100-200	MONITORING	
VULCAN MATERIALS COMPANY (CALMAT COMPANY)						
DUR E	1902920	INDUSTRIAL	ACTIVE	238-484	PUMPING	
DUR W	8000063	INDUSTRIAL	ACTIVE	?-525	MONITORING	
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK)						
01	1900094	IRRIGATION	INACTIVE	137-264	PUMPING	
ROSE HILLS	8000004	MUNICIPAL	INACTIVE	?-200	MONITORING	BEVERLY ACRES MWC

NOTES

NA: NOT AVAILABLE
RECORD.: RECORDATION NUMBER
PERF.: PERFORATION INTERVAL
(1) TOP OF THE TOP INTERVAL - BOTTOM OF THE BOTTOM INTERVAL (DEPTH BELOW GROUND SURFACE IN FEET)

APPENDIX E.

Summary of Treatment Facility Activity in the Main San Gabriel Basin

E

APPENDIX E

SUMMARY OF TREATMENT FACILITY ACTIVITY
IN THE MAIN SAN GABRIEL BASIN
AS OF JUNE 30, 2014

Operable Unit	Treatment Facility Owner	Treatment Facility(s)	Start Date 1/	Total Water Treated: Fiscal Year 2013-14 (Acre-feet)	Total Water Treated: Accum. Total (Acre-feet)	Total Contaminants Removed: Fiscal Year 2013-14 (Pounds)	Total Contaminants Removed: Accum. Total (Pounds)
AREA 3							
	ALHAMBRA, CITY OF	Well No. 7	July 2001	—	7,582.35	—	130.1
		Well No. 7, 8, 11 & 12	April 2009	3,433.00	19,816.80	121.7	606.3
BPOU							
	LA PUENTE VALLEY COUNTY WATER DISTRICT	Well No. 2, 3 & 4	August 1992	—	11,493.13	—	826.9
		Well No. 2, 3 & 5 (BPOU)	January 2000	4,350.66	46,274.20	472.4	9,935.7
	SAN GABRIEL VALLEY WATER COMPANY	Well B6C	April 1994	—	5,194.17	—	856.2
		Well B6D	April 1994	—	14,526.27	—	421.7
		Plant B5 (BPOU)	January 2007	11,168.85	76,780.42	719.7	3,270.5
		Plant B6 (BPOU)	September 2004	3,985.95	71,818.32	953.1	15,341.0
	VALLEY COUNTY WATER DISTRICT	Lante	June 1984	—	7,719.61	—	10,356.7
		Lante, SA1-1 & SA1-2 (BPOU)	December 2004	2,922.52	58,062.20	1096.8	39,135.4
EMOU							
	ADAMS RANCH MUTUAL WATER COMPANY	Well No. 3	November 2003	71.00	788.78	2.9	26.9
	HERMETIC SEAL CORPORATION	Hermetic Seal	May 2012	70.80	155.44	7.4	13.7
	GOLDEN STATE WATER COMPANY (SGV)	Encinita No. 1, 2 & 3	April 1998	1,813.88	21,329.40	43.7	494.9
PVOU							
	BDP - CARRIER	Carrier	April 1988	108.94	6,500.57	8.1	2,821.0
SEMOU							
	MONTEREY PARK, CITY OF	Well No. 5	September 1999	1,240.66	15,507.65	114.9	1,147.0
		Well No. 9 & 12, 15	April 2002	5,654.46	56,134.78	1193.7	9,130.1
	SAN GABRIEL VALLEY WATER COMPANY	Well 8B, 8C, 8D & 8E	August 2002	2,539.71	34,262.95	573.8	4,159.7
	GOLDEN STATE WATER COMPANY (SGV)	San Gabriel No.1 & 2	November 2001	1,802.29	14,250.30	37.0	472.8
WNOU							
	EPA	WNOU (Shallow Zone)	December 1999	—	30,065.52	—	1,618.9
	SAN GABRIEL VALLEY WATER COMPANY	WNOU (Intermediate Zone) 2/	December 2005	3,278.29	41,639.45	123.6	1,620.3
PRODUCER FACILITY							
	ARCADIA, CITY OF	Longden 1 & 2	January 1985	1,625.84	68,814.61	10.0	732.3
	BOZUNG	Well B36, F38, F39 & BC34 3/	October 1994	—	233.00	—	131.3
	CALIFORNIA DOMESTIC WATER COMPANY	Well No. 3, Well No. 5A, & Well No. 6	September 1993 April 1997	14,087.62	299,504.02	1492.9	12,723.2
	EL MONTE, CITY OF	Well No. 12	February 1997	185.04	15,570.96	21.4	1,000.5
		Well No. 10	May 2004	352.06	6,126.91	0.0	43.4
		Well No. 2A	July 1999	436.57	6,963.49	4.4	110.8
	EPA	Richwood (North Well) 4/	April 1990	—	451.98	—	5.8
		Richwood (South Well) 4/	April 1990				
	GOLDEN STATE WATER COMPANY (SD)	Art 2 & 3, Base 3 & 4, Hwy 1	May 2005	1,336.28	15,514.43	51.3	262.3
	HEMLOCK MUTUAL WATER COMPANY	Hemlock (North Well) 4/	April 1986	—	2,553.65	—	44.6
		Hemlock (South Well) 4/	April 1986				
	MONROVIA, CITY OF	Wells No. 2 & 6	March 1996	1,172.15	39,067.85	53.2	696.2
		Wells No. 3, 4 & 5	October 2007	2,187.54	11,798.09	37.4	85.4
	MONTEREY PARK, CITY OF	Well No. 1, 3, 10 & Fern	June 2004	2,125.74	22,416.19	81.6	1,553.4
	SAN GABRIEL VALLEY WATER COMPANY	Well 11B	March 1991	2,739.03	43,677.82	6.0	318.6
		Well B11B	March 1993	2,580.61	44,670.88	84.6	3,009.9
		Well B7C	March 1993	1,249.90	46,160.03	59.7	1,796.7
		Well B4B & B4C	January 1999	—	24,093.04	—	1,233.5
		Well G4A	December 2005	131.62	3,592.89	2.1	55.4
	SUBURBAN WATER SYSTEMS	Well No. 140W-4 5/	May 2001	—	2,247.59	—	16.2
	VALLEY COUNTY WATER DISTRICT	Maine East & West	June 1990	3,092.09	43,880.25	9.8	1,715.2
		Nixon East & West 5/	January 2004	5,038.64	33,766.57	22.7	187.8
	WATER QUALITY AUTHORITY	Arrow (Project No. 1) 5/	February 1992	—	7,250.41	—	17,423.0
		Big Dalton (Project No. 2)	March 1997	—	1,229.02	—	82.5
		Whitmore Street	January 2008	34.85	245.43	14.6	145.1
		SEMOU	July 1999	—	3,885.19	—	1,558.5
			TOTAL	80,816.59	1,283,616.61	7,420.3	147,317.4

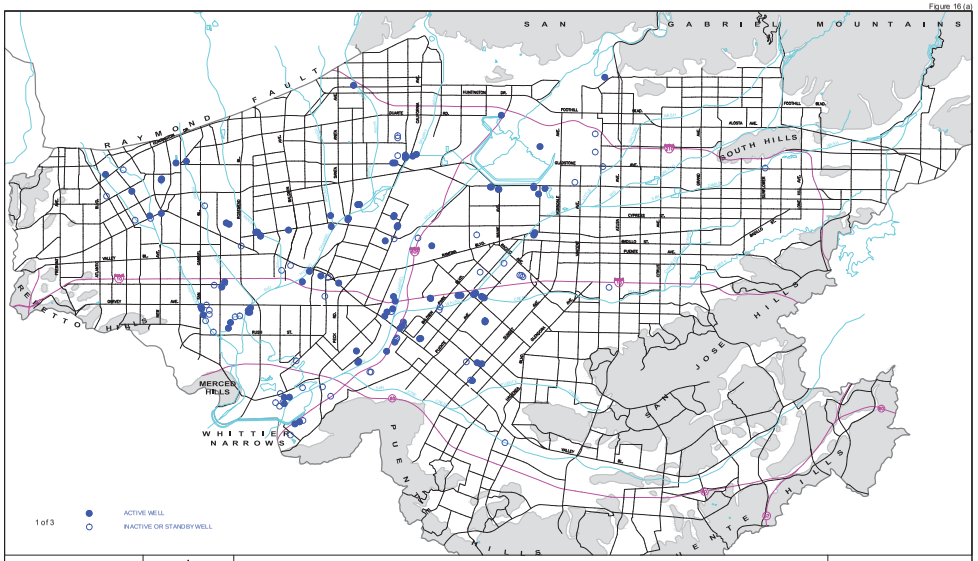
Footnotes:
1/ From date of beginning of operation.
2/ Previously operated by City of Whittier from December 2005 to May 2013.
3/ Treatment facility has been permanently dismantled.
4/ Wells destroyed in June 1999.
5/ Wellfield no longer pumps to treatment facility.

APPENDIX F.

Maps Showing Wells Vulnerable to VOC, Nitrate and Perchlorate Contamination Within Five Years (Figures 16a, 16b, and 16c)

F

Figure 16 (a)



STETSON ENGINEERS INC.

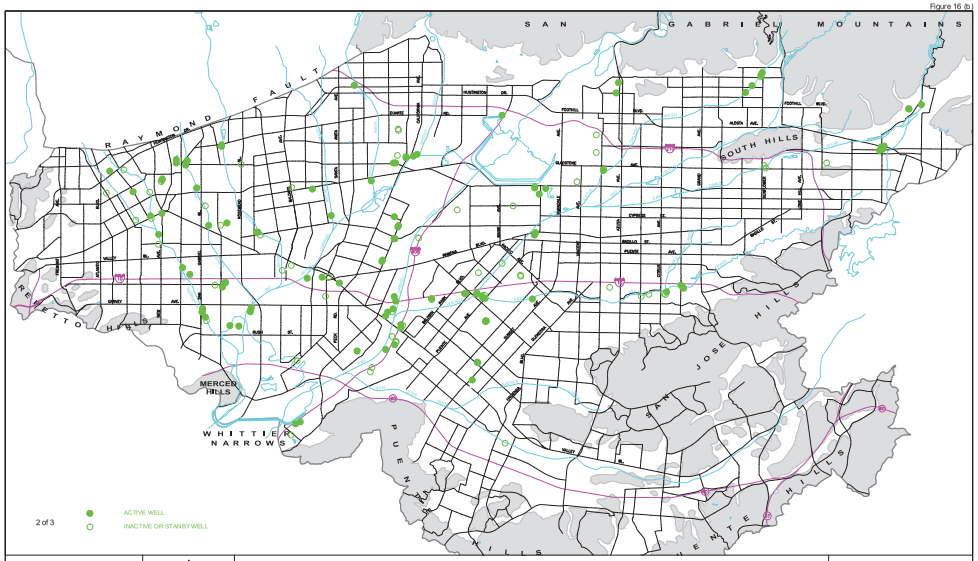
APPROXIMATE SCALE
4,000' 0 4,000'

MAIN SAN GABRIEL BASIN WATERMASTER

WELLS VULNERABLE TO VOLATILE ORGANIC COMPOUNDS CONTAMINATION
WITHIN THE NEXT FIVE YEARS (2014-19)

MainSanGabrielBasin WATERMASTER

Figure 16 (b)



STETSON ENGINEERS INC.

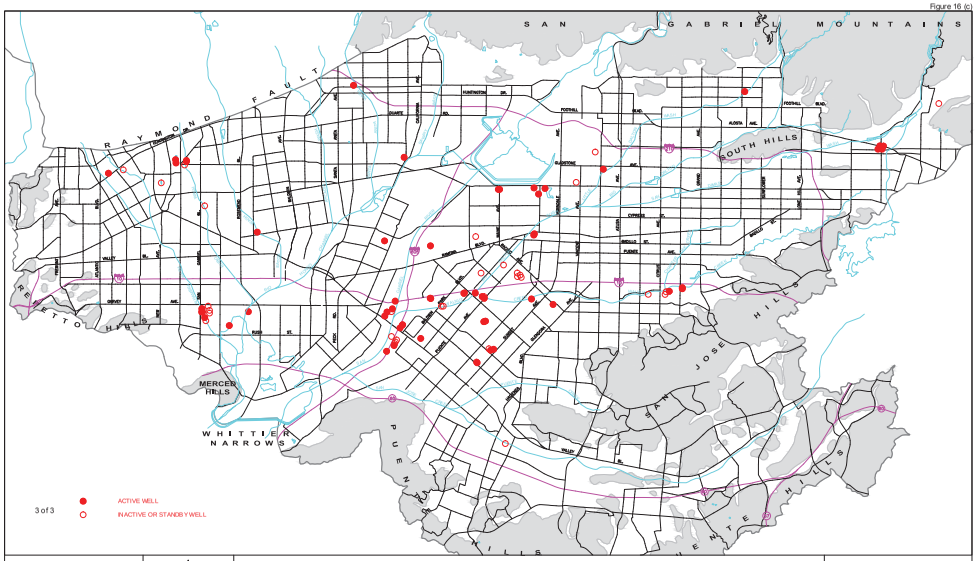
APPROXIMATE SCALE
4,000' 0 4,000'

MAIN SAN GABRIEL BASIN WATERMASTER

WELLS VULNERABLE TO NITRATE CONTAMINATION
WITHIN THE NEXT FIVE YEARS (2014-19)

MainSanGabrielBasin WATERMASTER

Figure 16 (c)



STETSON ENGINEERS INC.

APPROXIMATE SCALE
4,000' 0 4,000'

MAIN SAN GABRIEL BASIN WATERMASTER

WELLS VULNERABLE TO PERCHLORATE CONTAMINATION
WITHIN THE NEXT FIVE YEARS (2014-19)

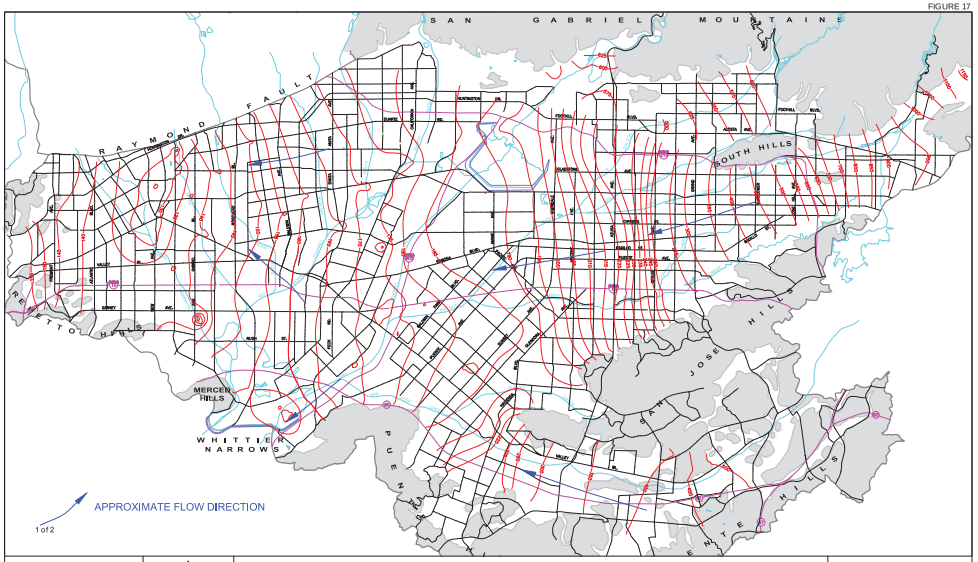
MainSanGabrielBasin WATERMASTER

APPENDIX G.

Simulated Basin Groundwater Contours 2013-14 and 2018-19 (Figures 17 and 18)

G

FIGURE 17



STETSON ENGINEERS INC.

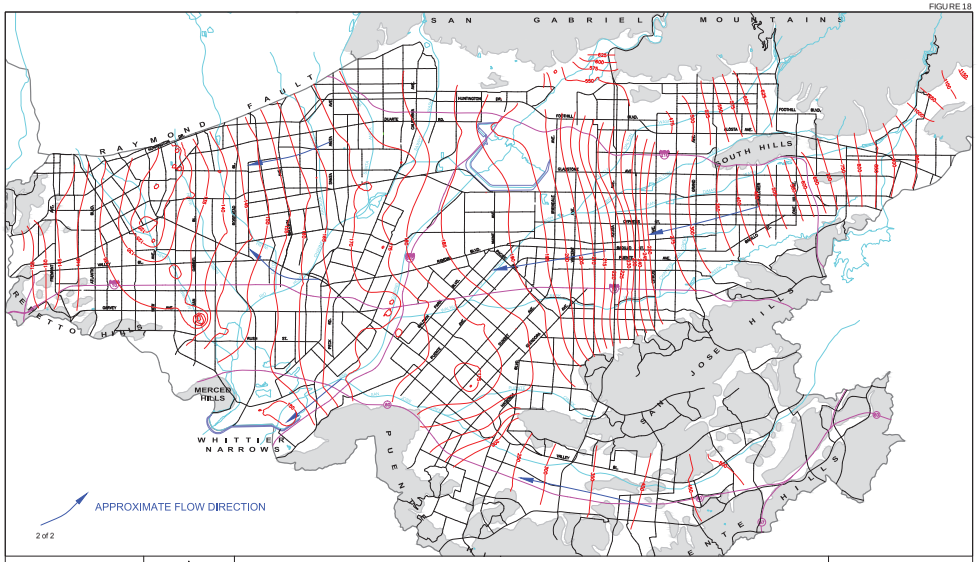
APPROXIMATE SCALE
4,000' 0 4,000'

MAIN SAN GABRIEL BASIN WATERMASTER

SIMULATED 2013-14 BASIN GROUNDWATER CONTOURS

MainSanGabrielBasin WATERMASTER

FIGURE 18



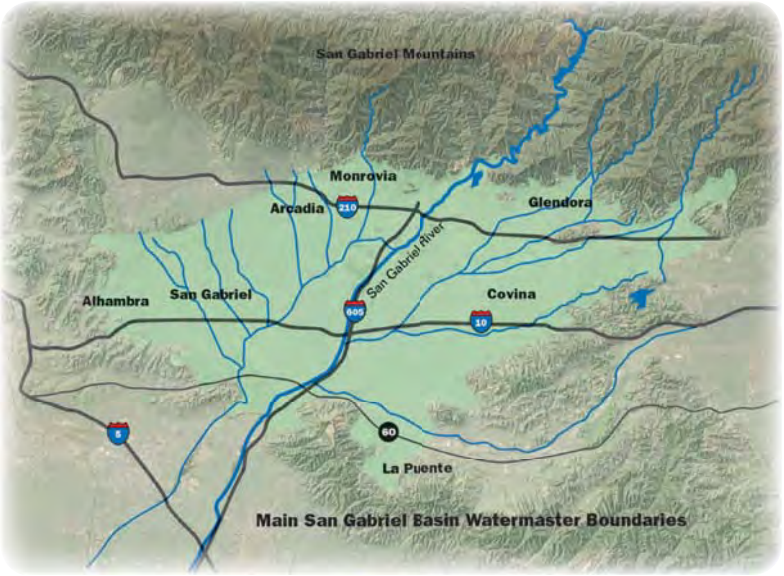
STETSON ENGINEERS INC.

APPROXIMATE SCALE
4,000' 0 4,000'

MAIN SAN GABRIEL BASIN WATERMASTER

SIMULATED 2018-19 BASIN GROUNDWATER CONTOURS

MainSanGabrielBasin WATERMASTER



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APPENDIX K

Central Basin Judgment

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CITY OF LONG BEACH

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

CENTRAL AND WEST BASIN WATER REPLENISHMENT DISTRICT, etc., Plaintiff, vs. CHARLES E. ADAMS, et al., Defendant	Case No.: 786,656 THIRD AMENDED JUDGMENT (Declaring and establishing water rights in Central Basin, enjoining extractions therefrom in excess of specified quantities and providing for the storage and extraction of stored water.) Assigned for all purposes to Hon. Abraham Khan Dept. 51
CITY OF LAKEWOOD, a municipal corporation, Cross-Complainant vs. CHARLES E. ADAMS, et al., Cross-Defendants.	

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The original judgment in this action was entered on or about August 27, 1965. Pursuant to the reserved and continuing jurisdiction of the court under the Judgment herein, certain amendments to said Judgment and temporary orders have heretofore been made and entered. Continuing jurisdiction of the court for this action is currently assigned to Hon. Abraham Khan.

The Motion of Plaintiff WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA (which originally brought this action under its former name "Central and West Basin Water Replenishment District"), and of defendants, City of Lakewood, City of Long Beach, Golden State Water Company, California Water Service Company, City of Los Angeles, City of Cerritos, City of Downey, City of Signal Hill, Pico Water District, Bellflower-Somerset Mutual Water Company, LaHabra Heights County Water District, City of Norwalk, Orchard Dale Water District, Montebello Land & Water Company, South Montebello Irrigation District, Sativa Los Angeles County Water District, City of Vernon and Central Basin Municipal Water District ("Moving Parties") herein for further amendments to the Judgment, notice thereof and of the hearing thereon having been duly and regularly given to all parties, came on for hearing in Department 51 of the above-entitled court on December 18, 2013 at 9:00 a.m. before said Hon. Abraham Khan. This "Third Amended Judgment" incorporates amendments and orders heretofore made to the extent presently operable and amendments pursuant to said last mentioned motion. To the extent this Amended Judgment is a restatement of the Judgment as heretofore amended, it is for convenience in incorporating all matters in one document, is not a readjudication of such matters and is not intended to reopen any such matters. As used hereinafter the word "Judgment" shall include the original Judgment entered in this action as amended to date, including this Third Amended Judgment.

There exists in the County of Los Angeles, State of California, an underground water basin or reservoir known and hereinafter referred to as the "Central Basin" or "Basin" described in Appendix "1" to this Judgment.

Within this Judgment, the following terms, words, phrases and clauses are used by the Court with the following meanings:

"Adjudicated Storage Capacity" means 220,000 acre-feet of the Available Dewatered

Space which has been apportioned herein for Individual Storage Accounts and Community Storage.

"Administrative Body" is defined in Section II(A).

"Administrative Year" means the twelve (12) month period beginning July 1 and ending June 30.

"Allowed Pumping Allocation" is that quantity in acre feet which the Court adjudges to be the maximum quantity which a party should be allowed to extract annually from Central Basin as set forth in Part I hereof, which constitutes 80% of such party's Total Water Right.

"Allowed Pumping Allocation for a particular Administrative Year" and "Allowed Pumping Allocation in the following Administrative Year" and similar clauses, mean the Allowed Pumping Allocation as increased in a particular Administrative Year by any authorized carryovers pursuant to Section III(A) of this Judgment and as reduced by reason of any over-extractions in a previous Administrative Year.

"Artificial Replenishment" is the replenishment of Central Basin achieved through the spreading or injection of imported or recycled water for percolation thereof into Central Basin by a governmental agency, including WRD.

"Artificial Replenishment Water" means water captured or procured by WRD to replenish the Basin, either directly by percolating or injecting the water into the Basin, or through in lieu replenishment by substituting surface water (or payment therefor) in lieu of production and use of groundwater.

"Available Dewatered Space" means the total amount of space available to hold groundwater within the Central Basin without causing Material Physical Harm, which space is allocated between Adjudicated Storage Capacity and Basin Operating Reserve.

"Base Water Right" is the highest continuous extractions of water by a party from Central Basin for a beneficial use in any period of five consecutive years after the commencement of overdraft in Central Basin and prior to the commencement of this action, as to which there has been no cessation of use by that party during any subsequent period of five consecutive years. As employed in the above definition, the words "extractions of water by a party" and "cessation

of use by that party" include such extractions and cessations by any predecessor or predecessors in interest.

"Basin Operating Reserve" means a total of 110,000 acre feet of Available Dewatered Space available for Basin operations as provided in Section IV(L). The Basin Operating Reserve added to the Adjudicated Storage Capacity equals the amount of Available Dewatered Space.

"Calendar Year" is the twelve month period commencing January 1 of each year and ending December 31 of each year.

"Carryover" is defined in Section III(A).

"Carryover Conversion" means the process of transferring water properly held as Carryover into Stored Water, or the water so converted to Stored Water.

"Central Basin" is the underground basin or reservoir underlying the Central Basin Area, the exterior boundaries of which Central Basin are the same as the exterior boundaries of Central Basin Area.

"Central Basin Area" is the territory described in Appendix "1" to this Judgment and is a segment of the territory comprising Plaintiff District.

"Central Basin Water Rights Panel" means the constituent body of Watermaster consisting of seven (7) Parties elected from among parties holding Allowed Pumping Allocations as provided in Section II(B).

"CEQA" refers to the California Environmental Quality Act, Public Resources Code §§ 21000 *et seq*.

"Community Storage Pool" is defined in Section IV(E).

"Declared Water Emergency" means a period commencing with the adoption of a resolution of the Board of Directors of WRD declaring that conditions within the Central Basin relating to natural and imported supplies of water are such that, without implementation of the water emergency provisions of this Judgment, the water resources of the Central Basin risk degradation. Such Declaration may be made as provided in Section III(A)(3).

"Disadvantaged Community" means any area that is served by a Water Purveyor and that consists of one or more contiguous census tracts which, based upon the most-recent United

States Census data, demonstrates a median household income which is less than eighty percent (80%) of the median household income for all Census Tracts within the state of California. The identification of Disadvantaged Communities shall be made by Watermaster following each decennial census.

"Extraction," "extractions," "extracting," "extracted," and other variations of the same noun and verb, mean pumping, taking, diverting or withdrawing groundwater by any manner or means whatsoever from Central Basin.

"Imported Water" means water brought into Central Basin Area from a non-tributary source by a party and any predecessors in interest, either through purchase directly from Metropolitan Water District of Southern California ("MWD"), the Central Basin Municipal Water District ("CBMWD"), or any other MWD member agency and additionally, as to the Department of Water and Power of the City of Los Angeles, water brought into the Central Basin Area by that party by means of the Owens River Aqueduct. In the case of water imported for storage by a party pursuant to this Judgment, "Imported Water" means water brought into the Central Basin from any non-tributary source as one method for establishing storage in the Central Basin.

"Imported Water Use Credit" is the annual amount, computed on a calendar year basis, of Imported Water which any party and any predecessors in interest, who have timely made the required filings under Water Code Section 1005.1, have imported into Central Basin Area in any calendar year and subsequent to July 9, 1951, for beneficial use therein, but not exceeding the amount by which that party and any predecessors in interest reduces his or their extractions of groundwater from Central Basin in that calendar year from the level of his or their extractions in the preceding calendar year, or in any prior calendar year not earlier than the calendar year 1950, whichever is the greater.

"Individual Storage Allocation" is defined in Section IV(D).

"Majority Protest" means a written protest filed with the Administrative Body of Watermaster within sixty (60) days following a protested event or decision, which evidences the concurrence of a majority of the Allowed Pumping Allocations held within the Basin as of the

date thereof.

"Material Physical Harm" means material physical injury or a material diminution in the quality or quantity of groundwater available within the Basin to support extraction of Total Water Rights or Stored Water, that is demonstrated to be attributable to the placement, recharge, injection, storage or recapture of Stored Water in the Central Basin, including, but not limited to, degradation of water quality, liquefaction, land subsidence and other material physical injury caused by elevated or lowered groundwater levels. Material Physical Harm does not include "economic injury" that results from other than direct physical causes, including any adverse effect on water rates, lease rates, or demand for water. Once fully mitigated, physical injury shall no longer be considered to be material.

"Natural Replenishment" means and includes all processes other than "Artificial Replenishment" by which water may become a part of the groundwater supply of Central Basin.

"Natural Safe Yield" is the maximum quantity of groundwater, not in excess of the long term average annual quantity of Natural Replenishment, which may be extracted annually from Central Basin without eventual depletion thereof or without otherwise causing eventual permanent damage to Central Basin as a source of groundwater for beneficial use, said maximum quantity being determined without reference to Artificial Replenishment.

"Outgoing Watermaster" is the State of California, Department of Water Resources, the Watermaster appointed pursuant to the terms of the Judgment before this Third Amendment.

"Overdraft" is that condition of a groundwater basin resulting from extractions in any given annual period or periods in excess of the long term average annual quantity of Natural Replenishment, or in excess of that quantity which may be extracted annually without otherwise causing eventual permanent damage to the basin.

"Party" means a party to this action. Whenever the term "party" is used in connection with a quantitative water right, or any quantitative right, privilege or obligation, or in connection with the assessment for the budget of the Watermaster, it shall be deemed to refer collectively to those parties to whom are attributed a Total Water Right in Part I of this Judgment.

"Person" or "persons" include individuals, partnerships, associations, governmental

agencies and corporations, and any and all types of entities.

"Recycled Water" means water that has been reclaimed through treatment appropriate for its intended use in compliance with applicable regulations.

"Regional Disadvantaged Communities Incentive Program" means a program to be developed by Watermaster in the manner provided in Section II(H) of this Judgment, and approved by the Court, whereby a portion of the Community Storage Pool is made available to or for the benefit of Disadvantaged Communities, on a priority basis within the Central Basin.

"Replenishment Assessment" means the replenishment assessment imposed by WRD upon each acre-foot of groundwater extracted from the Central Basin pursuant to WRD's enabling act, California Water Code §§ 60000 et seq.

"Small Water Producers Group" means a body consisting of parties holding no greater than 5,000 acre-feet of Allowed Pumping Allocation, as set forth on Appendix 3 hereto and as may be modified from time to time by the Group's own procedures and the requirements set forth in Appendix 3.

"Storage Panel" or "Central Basin Storage Panel" means a bicameral constituent body of Watermaster consisting of (i) the Central Basin Water Rights Panel and (ii) the Board of Directors of WRD.

"Storage Project" means an activity pertaining to the placement, recharge, injection, storage, transfer, or recapture of Stored Water within the Basin, but does not include actions by WRD undertaken in connection with its replenishment activities.

"Stored Water" means water, including Recycled Water, held within Available Dewatered Space as a result of spreading, injection, in-lieu delivery, or Carryover Conversion, where there is an intention to subsequently withdraw the water for reasonable and beneficial use pursuant to this Judgment.

"Total Water Right" is the quantity arrived at in the same manner as in the computation of "Base Water Right," but including as if extracted in any particular year the Imported Water Use Credit, if any, to which a particular party may be entitled.

"Water" includes only non-saline water, which is that having less than 1,000 parts of

chlorides to 1,000,000 parts of water.

"Water Augmentation Project" means pre-approved physical actions and management activities that provide demonstrated appreciable increases in long-term annual groundwater yield in the Basin that are initiated as provided in this Judgment after January 1, 2013.

"Water Purveyor" means a Party (and successors in interest) which sells water to the public, whether a regulated public utility, mutual water company or public entity. As that term is used in Section III(B)(6), "Water Purveyor," in addition to the foregoing, means a Party which has a connection or connections for the taking of Imported Water through the Metropolitan Water District of Southern California ("MWD"), or through a MWD-member agency, or access to such Imported Water through such connection, and which normally supplies at least a part of its customers' water needs with such Imported Water.

"Watermaster" is defined in Part II and is comprised of (i) the Administrative Body, (ii) the Central Basin Water Rights Panel, and (iii) the Central Basin Storage Panel. Watermaster, and the various constituent bodies of Watermaster, as designated in this Judgment, exist as a special master pursuant to this Judgment and Watermaster serves at the pleasure of the Court. Nothing herein shall be construed as creating an independent designation of "Watermaster" as a public agency subject to the provisions of CEQA, nor does membership or participation as the designated Watermaster expand any statutory, constitutional, or other powers of the members serving as part of the Watermaster.

"West Coast Basin" is the groundwater basin adjacent to the Central Basin which is the subject of a separate adjudication of groundwater rights in *California Water Service Company, et al. v. City of Compton, et al*., Los Angeles Superior Court Case No. 506806.

"WRD" or "Water Replenishment District" is the plaintiff herein, the Water Replenishment District of Southern California, a special district of the State of California, which brought this action under its former name, "Central and West Basin Water Replenishment District."

In those instances where any of the above-defined words, terms, phrases or clauses are utilized in the definition of any of the other above-defined words, terms, phrases and clauses,

such use is with the same meaning as is above set forth.

NOW THEREFORE, IT IS ORDERED, DECLARED, ADJUDGED AND DECREED WITH RESPECT TO THE ACTION AND CROSS-ACTION AS FOLLOWS:

I. DECLARATION AND DETERMINATION OF WATER RIGHTS OF PARTIES; RESTRICTION ON THE EXERCISE THEREOF.[1]

A. Determination of Rights of Parties.

(1) Each party, except defendants The City of Los Angeles and Department of Water and Power of the City of Los Angeles, whose name is set forth in Appendix 2 and by this reference made a part hereof, and after whose name there appears under the column "Total Water Right" a figure other than "0," is the owner of and has the right to extract annually groundwater from Central Basin for beneficial use in the quantity set forth after that party's name under said column "Total Water Right" as of the close of the Administrative Year ending June 30, 2012 in accordance with the Watermaster Reports on file with this Court and the records of the Plaintiff. This tabulation does not take into account additions or subtractions from any Allowed Pumping Allocation of a producer for the 2012-2013 Administrative Year, nor other adjustments not representing change in fee title to water rights, such as leases of water rights, nor does it include the names of lessees of landowners where the lessees are exercising the water rights. The exercise of all water rights is subject, however, to the provisions of this Judgment as hereinafter contained. All of said rights are of the same legal force and effect and are without priority with reference to each other. Each party whose name is set forth in the tabulation in Appendix "2" of this

[1] Headings in the Judgment are for purposes of reference and the language of said headings do not constitute, other than for such purpose, a portion of this Judgment.

Judgment, and after whose name there appears under the column "Total Water Right" the figure "0," owns no rights to extract any groundwater from Central Basin, and has no right to extract any groundwater from Central Basin.

(2) Defendant The City of Los Angeles is the owner of the right to extract fifteen thousand (15,000) acre feet per annum of groundwater from Central Basin, but it has the right and ability to purchase or lease additional rights to extract groundwater and increase its Allowed Pumping Allocation. Defendant Department of Water and Power of the City of Los Angeles has no right to extract groundwater from Central Basin except insofar as it has the right, power, duty or obligation on behalf of defendant The City of Los Angeles to exercise the water rights in Central Basin of defendant The City of Los Angeles. The exercise of said rights is subject, however, to the provisions of this Judgment hereafter contained, including but not limited to, sharing with other parties in any subsequent decreases or increases in the quantity of extractions permitted from Central Basin, pursuant to continuing jurisdiction of the Court, on the basis that fifteen thousand (15,000) acre feet (and any increase in its Allowed Pumping Allocation) bears to the Allowed Pumping Allocations of the other parties.

(3) No party to this action is the owner of or has any right to extract groundwater from Central Basin except as herein affirmatively determined.

B. Parties Enjoined as to Quantities of Extractions.

(1) Each party, other than The State of California and The City of Los Angeles and Department of Water and Power of The City of Los Angeles, is enjoined and restrained in any Administrative Year commencing after the date this Judgment becomes final from extracting from Central Basin any quantity of Water greater than the party's Allowed Pumping Allocation as hereinafter set forth next to the name of the party in the tabulation appearing in Appendix 2 at the end of this Judgment, subject to further provisions of this Judgment. Subject to such further provisions, the officials, agents and employees of The State of

California are enjoined and restrained in any such Administrative Year from extracting from Central Basin collectively any quantity of water greater than the Allowed Pumping Allocation of The State of California as hereinafter set forth next to the name of that party in the same tabulation. Each party adjudged and declared above not to be the owner of and not to have the right to extract groundwater from Central Basin is enjoined and restrained in any Administrative Year commencing after the date this Judgment becomes final from extracting any groundwater from Central Basin, except as may be hereinafter permitted to any such party under this Judgment.

(2) The total extraction right for each party includes a party's Allowed Pumping Allocation (to the extent not transferred by agreement or otherwise), any contractual right acquired through lease or other agreement to extract or use the rights of another party, and any right to extract Stored Water or Carryover as provided in this Judgment. No party may extract in excess of 140% of the sum of (i) the party's Allowed Pumping Allocation and (ii) the party's leased water, except upon prior approval by the applicable body of Watermaster as required pursuant to Section IV(J)as provided herein. Upon application, the body specified in Section IV(J) shall approve a party's request to extract water in excess of such limit, provided there is no Material Physical Harm. Requests to extract water in excess of such limit shall be reviewed and either approved or denied within thirty (30) days of such request.

(3) Defendant The City of Los Angeles is enjoined and restrained in any Administrative Year commencing after the date this Judgment becomes final from extracting from Central Basin any quantity of water greater than fifteen thousand (15,000) acre feet or its Allowed Pumping Allocation, as recognized by the Watermaster, if it acquires additional rights to pump groundwater through purchase or lease, subject to further provisions of this Judgment, including but not limited to, sharing with other parties in any subsequent decreases or increases in

the quantity of extractions permitted from Central Basin by parties, pursuant to continuing jurisdiction of the Court, on the basis that fifteen thousand (15,000) acre feet (or the adjusted Allowed Pumping Allocation if additional rights are acquired) bears to the Allowed Pumping Allocations of the other parties. Defendant Department of Water and Power of The City of Los Angeles is enjoined and restrained in any Administrative Year commencing after the date this Judgment becomes final from extracting from Central Basin any quantity of water other than such as it may extract on behalf of defendant The City of Los Angeles, and which extractions, along with any extractions by said City, shall not exceed that quantity permitted by this Judgment to that City in any Administrative Year. Whenever in this Judgment the term "Allowed Pumping Allocation" appears, it shall be deemed to mean as to defendant The City of Los Angeles the quantity of fifteen thousand (15,000) acre feet unless the City of Los Angeles has acquired through purchase or lease right to extract additional groundwater. The limit on extraction as provided in the preceding Section I(B)(1) shall also apply to The City of Los Angeles.

(4) Any rights decreed and adjudicated herein may be transferred, assigned, licensed or leased by the owner thereof provided, however, that no such transfer shall be complete until compliance with the appropriate notice procedures established by Watermaster.

(5) Unless a party elects otherwise, production of water from the Basin for the use or benefit of the parties hereto shall be counted against the party's total extraction right in the following order: (i) Increased extractions by certain qualified water rights holders pursuant to Section IV(K), (ii) Exchange Pool production, (iii) production of Carryover water, (iv) production of leased water, , (v) production of Allowed Pumping Allocation, (vi) production of Stored Water, (vii) production of Drought Carryover (according to Watermaster's Rules), and (viii) production of water under an agreement with WRD during a period of

emergency pursuant to Section III(B)(6).

C. Parties Enjoined as to Export of Extractions.

Except as expressly authorized herein, or upon further order of the Court, all parties are enjoined and restrained from transporting water extracted from the Central Basin outside the boundaries of the Central Basin Area. For purposes of this Section, water supplied by a Water Purveyor to its customers located within any of its service areas contiguous to the Central Basin or within WRD's service area shall be exempt from the export prohibition of this Section provided that the Water Purveyor also provides water to a service area that overlies the Basin in whole or in part. The foregoing exemption is not made, nor is it related to, a determination of an underflow between the basins, a cost or benefit allocation, or any other factor relating to the allocation of the Replenishment Assessment by WRD. Further, this injunction and restriction does not apply to export of water that will take place pursuant to contractual obligations specifically identified on Appendix 4, nor does it apply to export of Stored Water not having its origin in Carryover Conversion. The export identified on Appendix 4 may continue to the extent that any such extraction does not violate any other provisions of this Judgment, provided however that no such export identified on Appendix 4 shall exceed 5,000 acre-feet in any Year.

II. APPOINTMENT OF WATERMASTER; WATERMASTER ADMINISTRATION PROVISIONS.

The particular bodies specified below are, jointly, hereby appointed Watermaster, for an indefinite term, but subject to removal by the Court, to administer this Judgment. Such bodies, which together shall constitute the "Watermaster," shall have restricted powers, duties and responsibilities as specified herein, it being the court's intention that particular constituent bodies of Watermaster have only limited and specified powers over certain aspects of the administration of this Judgment. The Outgoing Watermaster will exercise reasonable diligence in the complete transition of Watermaster duties and responsibilities within a reasonable time

following entry of this order, and to make available to the new Watermaster all records concerning Watermaster activities. The chair of the Central Basin Water Rights Panel (defined below) shall thereafter represent the Watermaster before the Court.

A. The Administrative Body.

Plaintiff Water Replenishment District of Southern California ("WRD") is appointed the Administrative Body of the Central Basin Watermaster ("Administrative Body"). In order to assist the Court in the administration of the provisions of this Judgment and to keep the Water Rights Panel and the Court fully advised in the premises, the Administrative Body shall have the following duties, powers and responsibilities:

(1) To Require Reports, Information and Records.

In consultation with the Water Rights Panel, the Administrative Body shall require the parties to furnish such reports, information and records as may be reasonably necessary to determine compliance or lack of compliance by any party with the provisions of this Judgment.

(2) Storage Projects.

The Administrative Body shall exercise such powers as may be specifically granted to it under this Judgment with regard to Stored Water.

(3) Annual Report.

The Administrative Body shall prepare, on or before the 15th day of the fourth month following the end of the preceding Administrative Year, an annual report for the consideration of the Water Rights Panel. The Chair of the Water Rights Panel shall submit to the Court either (1) the annual report prepared by the Administrative Body, following the adoption by the Water Rights Panel, or (2) an annual report separately prepared and adopted by the Water Rights Panel. The annual report prepared by the Administrative Body shall be limited to the following, unless otherwise required by the Court:

(a) Groundwater extractions

(b) Storage Accounts maintained by each party

(c) Status of the Regional Disadvantaged Community Incentive Program, if approved by the Court

(d) Exchange Pool operation

(e) Use of Imported Water

(f) Violations of this Judgment and corrective action taken by bodies of Watermaster having jurisdiction as provided in this Judgment

(g) Change of ownership of Total Water Rights

(h) Watermaster administration costs

(i) Water spread or imported into the Basin

(j) Water Augmentation Projects

(k) Whether the Administrative Body has become aware of the development of a Material Physical Harm, or imminent threat of the development of a Material Physical Harm, as required pursuant to Section IV(B) of this Judgment

(l) Other matters as agreed with the Water Rights Panel

(m) Recommendations, if any.

In consultation with the Water Rights Panel, the Administrative Body shall provide reasonable notice to all parties of all material actions or determinations by Watermaster or any constituent body thereof, and as otherwise provided by this Third Amended Judgment.

(4) Annual Budget and Appeal Procedure in Relation Thereto.

By April 1 of each Administrative Year, the Administrative Body shall prepare a proposed administrative budget for the subsequent year stating the anticipated expense for performing the administrative functions specified in this Judgment (the "Administrative Budget"). The Administrative Body shall mail a copy of the proposed Administrative Budget to each of the Parties at least 60 days

before the beginning of each Administrative Year. The Administrative Budget mailed to the Parties shall provide sufficient detail in the Administrative Budget to demonstrate a separation in accounting between the Administrative Budget and WRD's Replenishment Assessment and operating budget. For the first Administrative Year of operation under this Third Amended Judgment, if the Administrative Body is unable to meet the above time requirement, the Administrative Body shall mail said copies as soon as possible. The first year the Administrative Budget is prepared, the amount of that budget shall not exceed an amount equal to fifty percent (50%) of the 2012-2013 charge for Watermaster service for the Central Basin collected from Parties by the California Department of Water Resources. At all times, the Administrative Body shall maintain a separation in accounting between the Administrative Budget and WRD's Replenishment Assessment and operating budget. All increases in future budgets for the Administrative Body above the amount set forth above shall be subject to approval by the Water Rights Panel following a public meeting to be held prior to the beginning of the Administrative Year, provided that the approved budget shall not be less than the amount of the first-year budget for the Administrative Body, except upon further order of the Court. Any administrative function by WRD already paid for by the Replenishment Assessment shall not be added as an expense in the Administrative Budget. Similarly, any expense paid for by the Administrative Budget shall not be added to WRD's operating budget, or otherwise added to the calculation of the Replenishment Assessment. While WRD may approve the proposed Administrative Budget at the same meeting in which WRD adopts its annual Replenishment Assessment or annual budget, the Administrative Body's budget shall be separate and distinct from the Replenishment Assessment imposed pursuant to Water Code §60317 and WRD's operating budget.

If approval by the Water Rights Panel is required pursuant to the

foregoing, the Water Rights Panel shall act upon the proposed budget within 15 calendar days after the public meeting. If the Water Rights Panel does not approve the budget prior to such deadline, the matter may be appealed to the Court within sixty (60) days. If any Party hereto has any objection to the Administrative Budget, it shall present the same in writing to Watermaster within 15 days after the date of mailing of said tentative budget by the Administrative Body. The Parties shall make the payments otherwise required of them to the Administrative Body even though an appeal of such budget may be pending. Upon any revision by the Court, the Administrative Body shall either remit to the Parties their pro rata portions of any reduction in the budget, or shall credit their accounts with respect to their budget assessments for the next ensuing Administrative Year, as the Court shall direct.

The amount of the Administrative Budget to be assessed to each party shall be determined as follows: If that portion of the final budget to be assessed to the Parties is equal to or less than $20.00 per party then the cost shall be equally apportioned among the Parties. If that portion of the final budget to be assessed to Parties is greater than $20.00 per party then each Party shall be assessed a minimum of $20.00. The amount of revenue expected to be received through the foregoing minimum assessments shall be deducted from that portion of the final budget to be assessed to the Parties and the balance shall be assessed to the Parties having Allowed Pumping Allocation, such balance being divided among them proportionately in accordance with their respective Allowed Pumping Allocation.

Payment of the assessment provided for herein, subject to adjustment by the Court as provided, shall be made by each such party prior to beginning of the Administrative Year to which the assessment relates, or within 40 days after the mailing of the tentative budget, whichever is later. If such payment by any Party is not made on or before said date, the Administrative Body shall add a penalty of 5% thereof to such party's statement. Payment required of any Party hereunder

may be enforced by execution issued out of the Court, or as may be provided by order hereinafter made by the Court, or by other proceedings by the Watermaster or by any Party on the Watermaster's behalf.

Any money unexpended at the end of any Administrative Year shall be applied to the budget of the next succeeding Administrative Year. The Administrative Body shall maintain no reserves.

Notwithstanding the above, no part of the budget of the Administrative Body shall be assessed to WRD or to any Party who has not extracted water from Central Basin for a period of two successive Administrative Years prior to the Administrative Year in which the tentative budget should be mailed by the Administrative Body under the provisions of this subparagraph (4).

(5) Rules.

The Administrative Body may adopt, and amend from time to time, rules consistent with this Judgment as may be reasonably necessary to carry out duties under the provisions of this Judgment within its particular area of responsibility. The Body shall adopt its first set of rules and procedures within three (3) months following entry of this Third Amended Judgment. The rules shall be effective on such date after the mailing thereof to the Parties as is specified by the Body, but not sooner than thirty (30) days after such mailing.

B. The Central Basin Water Rights Panel.

The Central Basin Water Rights Panel of the Central Basin Watermaster ("Water Rights Panel") shall consist of seven (7) members, each of which is a Party. The term of each member of the Panel, with the exception of the seat held by the Small Water Producers Group, as provided herein, shall be limited to four years. The Court will make the initial appointments to the Central Basin Water Rights Panel upon motion by Parties consistent with the categories set forth below at or about the time of entry of this Third Amended Judgment, and shall establish a procedure for the staggered terms of such members. Thereafter, elections of members of the Panel shall be held as provided herein. One (1) such member of the Water Rights Panel shall be

elected by vote of the Small Water Producers Group conducted in accordance with its own procedures, provided such Group, as of the date of the election, consists of at least five (5) members who are Water Purveyors. One (1) such member of the Water Rights Panel shall be elected by vote of Parties with Allowed Pumping Allocation of less than 5,000 acre-feet who are not members of the Small Water Producers Group or, if the Small Water Producers Group does not then qualify following a continuous six-month period of non-qualification as provided herein, then two (2) such members shall be so selected. One (1) such member of the Water Rights Panel shall be elected by vote of Parties with Allowed Pumping Allocation of at least 5,000 acre-feet but less than 10,000 acre-feet. Three (3) such members of the Water Rights Panel shall be elected by vote of Parties with Allowed Pumping Allocation of 10,000 acre-feet or greater. One (1) such member of the Water Rights Panel shall be elected by a vote of all holders of Allowed Pumping Allocations, with each such holder being entitled to one vote, such member to be elected by a plurality of the votes cast, following a nomination procedure to be established in the Water Rights Panel's rules. In the event of a tie, the seventh member shall be determined as may be provided in the Water Rights Panel's rules, or otherwise by the court. Except as otherwise provided in this Section, each such rights holder shall have the right to cast a total number of votes equal to the number of acre-feet of its Allowed Pumping Allocation (rounded to the next highest whole number). With the exception of voting for the seventh member, Parties shall be entitled to vote only for candidates within the category(ies) that represent that Party's Allowed Pumping Allocation. For example, parties who are members of the Small Water Producers Group are entitled to vote only for the Small Water Producer Group member and the seventh member of the Water Rights Panel, and so on. Parties are not permitted to split votes. The results of such election shall be reported to the Court for confirmation of each member's appointment to the Water Rights Panel of Watermaster. The elected members of the Water Rights Panel shall be those candidates receiving the highest vote total in their respective categories. The Water Rights Panel shall hold its first meeting within thirty (30) days of the date this Third Amended Judgment becomes final. The Water Rights Panel shall develop rules for its operation consistent with this Judgment. The Water Rights Panel shall take action, including the

election of its Chair, by majority vote of its members. Election of the Chair shall occur every two years, with no Party serving as Chair for consecutive terms. Members of the Water Rights Panel shall serve without compensation. All references to Annual Pumping Allocation, as used herein, are as determined by the last published Watermaster report.

(1) The Water Rights Panel shall have the following duties and responsibilities:

(a) Enforcement of Adjudicated Rights. As against the other bodies of Watermaster, the Water Rights Panel shall have exclusive authority to move the Court to take such action as may be necessary to enforce the terms of the Judgment with regard to the extraction of Allowed Pumping Allocation and the maintenance of adjudicated groundwater extraction rights as provided in this Judgment.

(b) Requirement of Measuring Devices. The Water Rights Panel shall require all parties owning or operating any facilities for the extraction of groundwater from Central Basin to install and maintain at all times in good working order at such party's own expense, appropriate measuring devices at such times and as often as may be reasonable under the circumstances and to calibrate or test such devices.

(c) Inspections by Watermaster. The Water Rights Panel may make inspections of groundwater production facilities, including aquifer storage and recovery facilities, and measuring devices at such times and as often as may be reasonable under the circumstances and to calibrate or test such devices.

(d) Reports. Annually, the Water Rights Panel, in cooperation with the Administrative Body, shall report to the Court, concerning any or all of the following:

(i) Groundwater extractions

(ii) Exchange Pool operation

(iii) Status of the Regional Disadvantaged Community Incentive Program, if approved by the Court

(iv) Violations of this Judgment and corrective action taken or sought

(v) Change of ownership of Total Water Rights

(vi) Assessments made by the Water Rights Panel and any costs incurred

(vii) Whether the Water Rights Panel has become aware of the development of a Material Physical Harm, or imminent threat of the development of a Material Physical Harm, as required pursuant to Section IV(B) of this Judgment

(viii) Recommendations, if any.

As provided in Section II.A(3), the Water Rights Panel may adopt the annual report prepared by the Administrative Body, and submit the same to the Court, or the Water Rights Panel may prepare, adopt and submit to the Court a separate report. The Chair of the Water Rights Panel shall be responsible for reporting to the Court concerning adjudicated water rights issues in the Basin.

(2) Assessment. The Water Rights Panel shall assess holders of water rights within the Central Basin an annual amount not to exceed $1.00 per acre-foot of Allowed Pumping Allocation, by majority vote of the members of the Water Rights Panel. The body may assess a higher amount, subject to being overruled by Majority Protest. The assessment is intended to cover any costs associated with reporting responsibilities, any Judgment enforcement action, and the review of storage projects as a component of the "Storage Panel" as provided below. It is anticipated that this body will rely on the Administrative Body's staff for the functions related to the Administrative Body's responsibilities, but the

Water Rights Panel may engage its own staff if required in its reasonable judgment. Assessments will constitute a lien on the water right assessed, enforceable as provided in this Judgment.

(3) Rules. The Water Rights Panel may adopt and amend from time to time, at an open meeting of that Panel, rules consistent with this Judgment as may be reasonably necessary to carry out duties under the provisions of this Judgment within its particular area of responsibility. The Panel shall adopt its first set of rules and procedures within three (3) months following entry of this Third Amended Judgment. The rules shall be effective on such date after the mailing thereof to the Parties as is specified by the Panel, but not sooner than thirty (30) days after such mailing.

C. The Storage Panel.

The Storage Panel of the Central Basin Watermaster ("Storage Panel") shall be a bicameral body consisting of (i) the Water Rights Panel and (ii) the Board of Directors of WRD. Action by the Storage Panel shall require separate action by a majority of each of its constituent bodies. The Storage Panel shall have the duties and responsibilities specified with regard to the Provisions for the Storage and Extraction of Stored Groundwater as set forth in Part IV and the other provisions of this Judgment.

D. Use of Facilities and Data Collected by Other Governmental Agencies.

Where practicable, the three bodies constituting the Central Basin Watermaster should not duplicate the collection of data relative to conditions of the Central Basin which is then being collected by one or more governmental agencies, but where necessary each such body may collect supplemental data. Where it appears more economical to do so, the Watermaster and its constituent bodies are directed to use such facilities of other governmental agencies as are available to it under either no cost or cost agreements with respect to the receipt of reports, billings to parties, mailings to parties, and similar matters.

E. Appeal from Watermaster Decisions.

Appeals concerning the budget proposed by the Administrative Body shall be governed by Section II(A)(4) of this Judgment. Appeals concerning decisions by the Storage Panel shall be governed by Section IV(P) of this Judgment. With respect to all other objections by a Party to any action or decision by the Watermaster, such objections will be governed by this Section II(E). Any party interested therein who objects to any rule, determination, order or finding made by the Watermaster or any constituent body thereof, may object thereto in writing delivered to the Administrative Body within 30 days after the date the Watermaster, or any constituent body thereof, mails written notice of the making of such rule, determination, order or finding. Within 30 days after such delivery the Watermaster, or the affected constituent body thereof, shall consider said objection and shall amend or affirm his rule, determination, order or finding and shall give notice thereof to all parties. Any such party may file with the Court within 60 days from the date of said notice any objection to such rule, determination, order or finding of the Watermaster, or any constituent body thereof, and bring the same on for hearing before the Court at such time as the Court may direct, after first having served said objection upon all other parties. The Court may affirm, modify, amend or overrule any such rule, determination, order or finding of the Watermaster or its affected constituent body. Any objection under this paragraph shall not stay the rule, determination, order or finding of the Watermaster. However, the Court, by *ex parte* order, may provide for a stay thereof on application of any interested party on or after the date that any such party delivers to the Watermaster any written objection.

F. Effect of Non-Compliance by Watermaster With Time Provisions.

Failure of the Watermaster to perform any duty, power or responsibility set forth in this Judgment within the time limitation herein set forth shall not deprive the Watermaster or its applicable constituent body of authority to subsequently discharge such duty, power or responsibility, except to the extent that any such failure by the Watermaster may have rendered some otherwise required act by a party impossible.

G. Limitations on Administrative Body.

WRD shall not acquire Central Basin water rights, nor lease Central Basin water or water rights to or from any Party or third party. However, the foregoing shall (i) not be interpreted to restrict WRD's ability or authority to acquire water from any source for purposes of Artificial or Natural Replenishment or for water quality activities, and (ii) not restrict WRD's authority under California Water Code Section 60000 et seq. to develop reclaimed, recycled or remediated water for groundwater replenishment activities.

H. Regional Disadvantaged Communities Incentive Program.

The Water Rights Panel, acting through the General Manager of WRD, shall develop a Regional Disadvantaged Communities Incentive Program, pursuant to which a portion of the Community Storage Pool is reserved for the benefit of Disadvantaged Communities within the Central Basin. Nothing in this Judgment, nor the establishment of such a program, shall diminish the rights otherwise granted to Parties under this Judgment, including but not limited to the right to place water in storage in the Community Storage Pool. The Water Rights Panel shall meet within thirty (30) days of its formation to identify and consider potential third-party independent consultants who may be retained to design the program, including those recommended by the General Manager of WRD. The Water Rights Panel shall select a consultant within thirty (30) days thereafter. In the event the General Manager of WRD objects to the selected consultant, in writing, then the Water Rights Panel and the General Manager of WRD shall exchange a list of no more than two (2) consultants each for further consideration. If the Water Rights Panel and the General Manager of WRD are unable to agree to a consultant within an additional thirty (30) days, then the Chair of the Water Rights Panel shall file a request with the Court for an order appointing a consultant. Upon selection of a third-party independent consultant, whether through the Water Rights Panel process or the court process identified herein, the consultant shall design a detailed program and deliver it to the Water Rights Panel within ninety (90) days of the consultant's retention. All costs associated with design of the program shall be paid for out of the Water Rights

Panel's assessment, as provided in Section II.B(2). The Water Rights Panel shall present the program to the Court for its review and approval within one year of entry of this Third Amended Judgment. If approved by the Court, the Water Rights Panel, acting through the General Manager of WRD, shall be responsible for administration of the Regional Disadvantaged Communities Incentive Program, including insuring that any funds generated through the program benefit Disadvantaged Communities. Any Storage Project established pursuant to this Program shall have priority to use up to 23,000 acre-feet of Available Storage within the Community Storage Pool, as further provided in Section IV.E(2). Watermaster shall report to the Court concerning such program as a part of its annual report.

III. PROVISIONS FOR PHYSICAL SOLUTION TO MEET THE WATER REQUIREMENTS IN CENTRAL BASIN.

In order to provide flexibility to the injunction set forth in Part I of the Judgment, and to assist in a physical solution to meet water requirements in Central Basin, the injunction so set forth is subject to the following provisions.

A. Carryover of Portion of Allowed Pumping Allocation.

(1) Amount of Carryover.

Each party adjudged to have a Total Water Right or water rights and who, during a particular Administrative Year, does not extract from Central Basin a total quantity equal to such party's Allowed Pumping Allocation for the particular Administrative Year, less any allocated subscriptions by such party to the Exchange Pool, or plus any allocated requests by such party for purchase of Exchange Pool water, is permitted to carry over (the "One Year Carryover") from such Administrative Year the right to extract from Central Basin in the next succeeding Administrative Year so much of said total quantity as it did not extract in the particular Administrative Year, not to exceed (i) the Applicable Percentage of such party's Allowed Pumping Allocation for the particular Administrative

Year, or 20 acre-feet, whichever of said percentage or 20 acre-feet is the larger, less (ii) the total quantity of water then held in that party's combined Individual and Community Storage accounts, as hereinafter defined, but in no event less than 20% of the party's Allowed Pumping Allocation for the particular Administrative Year. For purposes of this Section, the "Applicable Percentage" shall be as follows for the years indicated:

For the Administrative Year in which this Third Amended Judgment becomes final:	30%
For the next Administrative Year:	40%
For the next Administrative Year:	50%
For the next Administrative Year and years following:	60%

(2) Conversion of Carryover to Stored Water.

A party having Carryover may, from time to time, elect to convert all or part of such party's Carryover to Stored Water as authorized herein ("Carryover Conversion") upon payment of the Replenishment Assessment to WRD. Such Stored Water shall be assigned to that party's Individual Storage Allocation, if available, and otherwise to the Community Storage Pool.

(3) Declared Water Emergency.

The Board of Directors of WRD may, from time to time, declare a water emergency upon a determination that conditions within the Central Basin relating to natural and imported water supplies are such that, without implementation of the Declared Water Emergency provisions of this subsection, the water resources of the Central Basin risk degradation. In making such declaration, the Board of Directors shall consider any information and requests provided by water producers, purveyors and other affected entities and shall, for that purpose, hold a public hearing in advance of such declaration. A Declared Water Emergency

shall extend to the end of the Administrative Year during which such resolution is adopted, unless sooner ended by similar resolution.

(4) Drought Carryover.

Following the declaration of a Declared Water Emergency and until the Declared Water Emergency ends either by expiration or by resolution of the Board of Directors of WRD, each party adjudged to have a Total Water Right or water rights and who, during a particular Administrative Year, does not extract from Central Basin a total quantity equal to such party's Allowed Pumping Allocation for the particular Administrative Year, less any allocated subscriptions by such party to the Exchange Pool, or plus any allocated requests by such party for purchase of Exchange Pool water, is permitted to carry over (the "Drought Carryover") from such Administrative Year the right to extract from Central Basin so much of said total quantity as it did not extract during the period of the Declared Water Emergency, to the extent such quantity exceeds the One Year Carryover, not to exceed an additional 35% of such party's Allowed Pumping Allocation, or additional 35 acre feet, whichever of said 35% or 35 acre feet is the larger, less the amount of such party's Stored Water. Carryover amounts shall first be allocated to the One Year Carryover and any remaining carryover amount for that year shall be allocated to the Drought Carryover.

(5) Accumulated Drought Carryover.

No further amounts shall be added to the Drought Carryover following the end of the Declared Water Emergency, provided however that in the event another Declared Water Emergency is declared, additional Drought Carryover may be added, to the extent such additional Drought Carryover would not cause the total Drought Carryover to exceed the limits set forth above. The Drought Carryover shall be supplemental to and shall not affect any previous drought carryover acquired by a party pursuant to previous order of the court.

B. When Over-Extractions May be Permitted.

(1) Underestimation of Requirements for Water.

Any party hereto without Stored Water, having an Allowed Pumping Allocation, and not in violation of any provision of this Judgment may extract in an Administrative Year an additional quantity of water not to exceed: (a) 20% of such party's Allowed Pumping Allocation or 20 acre feet, whichever is greater, and (b) any amount in addition thereto which may be approved in advance by the Water Rights Panel of Watermaster.

(2) Reductions in Allowed Pumping Allocations in Succeeding Years to Compensate for Permissible Overextractions.

Any such party's Allowed Pumping Allocation for the following Administrative Year shall be reduced by the amount over-extracted pursuant to paragraph 1 above, provided that if the Water Rights Panel determines that such reduction in the party's Allowed Pumping Allocation in one Administrative Year will impose upon such a party an unreasonable hardship, the said reduction in said party's Allowed Pumping Allocation shall be prorated over a period of five (5) Administrative Years succeeding that in which the excessive extractions by the party occurred. Application for such relief to the Water Rights Panel must be made not later than the 40th day after the end of the Administrative Year in which such excessive pumping occurred. The Water Rights Panel shall grant such relief if such over-extraction, or any portion thereof, occurred during a period of Declared Water Emergency.

(3) Reductions in Allowed Pumping Allocations for the Next Succeeding Administrative Year to Compensate for Overpumping.

Whenever, pursuant to Section III(B)(1), a party over-extracts in excess of such party's Allowed Pumping Allocation plus that party's available One-Year Carryover and any Stored Water held by that party, and such excess has not been approved in advance by the Water Rights Panel, then such party's Allowed Pumping Allocation for the following Administrative Year shall be reduced by an

amount equivalent to its total over-extractions in the particular Administrative Year in which it occurred.

(4) Reports of Certain Over-extractions to the Court.

Whenever a party over-extracts in excess of 20% of such party's Allowed Pumping Allocation for the particular Administrative Year plus that party's available One-Year Carryover and any Stored Water held by that party, without having obtained prior approval of the Water Rights Panel, such shall constitute a violation of the Judgment and the Water Rights Panel shall make a written report to the Court for such action as the Court may deem necessary. Such party shall be subject to such injunctive and other processes and action as the Court might otherwise take with regard to any other violation of such Judgment.

(5) Effect of Over-extractions on Rights.

Any party who over-extracts from Central Basin in any Administrative Year shall not acquire any additional rights by reason of such over-extractions; nor shall any required reductions in extractions during any subsequent years reduce the Total Water Right or water rights of any party to the extent said over-extractions are in compliance with paragraph 1 above.

(6) Pumping Under Agreement With Plaintiff During Periods of Emergency.

Plaintiff WRD overlies Central Basin and engages in activities of replenishing the groundwaters thereof. Plaintiff by resolution has appropriated for use during emergencies the quantity of 17,000 acre feet of imported and reclaimed water replenished by it into Central Basin, and pursuant to such resolution Plaintiff reserves the right to use or cause the use of such quantity during such emergency periods for the benefit of Water Purveyors.

(a) Notwithstanding any other provision of this Judgment, parties who are Water Purveyors (including successors in interest) are authorized to enter into agreements with Plaintiff for extraction of a

portion of Plaintiff's 17,000 acre-feet of appropriated water, in excess of their respective Allowed Pumping Allocations for the particular Administrative Year when the following conditions are met:

(i) Plaintiff is in receipt of a resolution of the Board of Directors of the Metropolitan Water District of Southern California ("MWD") that there is an actual or immediately threatened temporary shortage of MWD's imported water supply compared to MWD's needs, or a temporary inability to deliver MWD's imported water supply throughout its area, which will be alleviated by overpumping from Central Basin.

(ii) The Board of Directors of both Plaintiff and Central Basin Municipal Water District by resolutions concur in the resolution of MWD's Board of Directors, and the Board of Directors of Plaintiff finds in its resolution that the average minimum elevation of water surface among those wells in the Montebello Forebay of the Central Basin designated as Los Angeles County Flood Control District Wells Nos. 1601T, 1564P, 1615P, and 1626L, is at least 43.7 feet above sea level. This computation shall be based upon the most recent "static readings" taken, which shall have been taken not more than four weeks prior. Should any of the wells designated above become destroyed or otherwise be in a condition so that readings cannot be made, or should the owner prevent their use for such readings, the Board of Directors of the Plaintiff may, upon appropriate engineering recommendation, substitute such other well or wells as it

may deem appropriate.

(iii) In said resolution, Plaintiff's Board of Directors sets a public hearing, and notice of the time, place and date thereof (which may be continued from time to time without further notice) is given by First Class Mail to the current designees of the Parties, filed and served in accordance with Section VI(C) of this Judgment. Said notice shall be mailed at least five (5) days before the scheduled hearing date.

(iv) At said public hearing, parties (including successors in interest) are given full opportunity to be heard, and at the conclusion thereof the Board of Directors of Plaintiff by resolution decides to proceed with agreements under this Section III(B)(6).

(b) All such agreements shall be subject to the following requirements, and such others as Plaintiff's Board of Directors shall require:

(i) They shall be of uniform content except as to quantity involved, and any special provisions considered necessary or desirable with respect to local hydrological conditions or good hydrologic practice.

(ii) They shall be offered to all Water Purveyors, excepting those which Plaintiff's Board of Directors determines should not overpump because such overpumping would occur in undesirable proximity to a sea water barrier project designed to forestall sea water intrusion, or within or in undesirable proximity to an area within Central Basin wherein groundwater levels are at an

elevation where overpumping is under all the circumstances then undesirable.

(iii) The maximum terms for the agreements shall be four (4) months, which agreements shall commence on the same date and end on the same date (and which may be executed at any time within the four-month period), unless an extension thereof is authorized by the Court, under Part V of this Judgment.

(iv) They shall contain provisions requiring that the Water Purveyor executing the agreement pay to the Plaintiff a price in addition to the applicable replenishment assessment determined on the following formula. The normal price per acre-foot of Central Basin Municipal Water District's (CBMWD) treated domestic and municipal water, as "normal" price of such category of water is defined in Section III(C)(10) (price to be paid for Exchange Pool Water) as of the beginning of the contract term less the deductions set forth in said paragraph 10 for the Administrative Year in which the contract term commences. The agreement shall provide for adjustments in the first of said components for any proportional period of the contract term during which the CBMWD said normal price is changed, and if the agreement straddles two administrative years, the said deductions shall be adjusted for any proportionate period of the contract term in which the amount thereof or of either subcomponent changes for purposes of said paragraph 10. Any price for a partial acre-foot shall be computed pro rata. Payments shall be due and

payable on the principle that over extractions under the agreement are of the last water pumped in the Administrative Year, and shall be payable as the agreement shall provide.

(v) They shall contain provisions that: (1) All of such agreements (but not less than all) shall be subject to termination by Plaintiff if, in the Judgment of Plaintiff's Board of Directors, the conditions or threatened conditions upon which they were based have abated to the extent over extractions are no longer considered necessary; and (2) that any individual agreement or agreements may be terminated if the Plaintiff's Board of Directors finds that adverse hydrologic circumstances have developed as a result of over extractions by any Water Purveyor(s) which have executed said agreements, or for any other reason that Plaintiff's Board of Directors finds good and sufficient.

(c) Other matters applicable to such agreements and overpumping thereunder are as follows, without need for express provisions in the agreements;

(i) The quantity of overpumping permitted shall be additional to that which the Water Purveyor could otherwise overpump under this Judgment.

(ii) The total quantity of permitted overpumping under all said agreements during said four months shall not exceed seventeen thousand (17,000) acre feet, but the individual Water Purveyor shall not be responsible or affected by any violation of this requirement. That total is additional to over extractions otherwise permitted under

this Judgment.

(iii) Only one four month period may be utilized by Plaintiff in entering into such agreements, as to any one emergency or continuation thereof declared by MWD's Board of Directors under Section III(B)(6)(a).

(iv) If any party claims it is being damaged or threatened with damage by the over extractions by any party to such an agreement, the first party or the Water Rights Panel may seek appropriate action of the Court for termination of any such agreement upon notice of hearing to the party complaining, to the party to said agreement, to the plaintiff, and to any parties who have filed a request for special notice. Any termination shall not affect the obligation of the party to make payments under the agreement for over extractions which did occur thereunder.

(v) Plaintiff shall maintain separate accounting of the proceeds from payments made pursuant to agreements entered into under this Part. Said fund shall be utilized solely for purposes of replenishment in replacement of waters in Central Basin and West Basin. Plaintiff shall as soon as practicable cause replenishment in Central Basin by the amounts to be overproduced pursuant to this Paragraph 6, whether through spreading, injection, or in lieu agreements.

(vi) Over extractions pursuant to the agreements shall not be subject to the "make up" provisions of the Judgment as amended, provided that if any party fails to make payments as required by the agreement, Plaintiff may

require such "make up" under Section III(B)(3) of this Judgment.

(vii) A Water Purveyor under any such agreement may, and is encouraged to enter into appropriate arrangements with customers who have water rights in Central Basin under or pursuant to this Judgment whereby the Water Purveyor will be assisted in meeting the objectives of the agreement.

(7) Exemption for Extractors of Contaminated Groundwater.

Any party herein may petition WRD for a Non-consumptive Water Use Permit as part of a project to remedy or ameliorate groundwater contamination. If the petition is granted as set forth in this paragraph, the petitioner may extract the groundwater as permitted hereinafter, without the production counting against the petitioner's production rights.

(a) If the Board of WRD determines by Resolution that there is a problem of groundwater contamination that a proposed program will remedy or ameliorate, an operator may make extractions of groundwater to remedy or ameliorate that problem without the production counting against the petitioner's production rights if the water is not applied to beneficial surface use, its extractions are made in compliance with all the terms and conditions of the Board Resolution, and the Board has determined in the Resolution either of the following:

(i) The groundwater to be extracted is unusable and cannot be economically treated or blended for use with other water.

(ii) The proposed program involves extraction of usable water in the same quantity as will be returned to the

underground without degradation of quality.

(b) The Resolution may provide those terms and conditions the Board deems appropriate, including, but not limited to, restrictions on the quantity of the extractions to be so exempted, limitations on time, periodic reviews, requirement of submission of test results from a Board-approved laboratory, and any other relevant terms or conditions.

(c) Upon written notice to the operator involved, the Board may rescind or modify its Resolution. The rescission or modification of the Resolution shall apply to groundwater extractions occurring more than ten (10) days after the rescission or modification. Notice of rescission or modification shall be either mailed first class mail, postage prepaid, at least two weeks prior to the meeting of the Board at which the rescission or modification will be made to the address of record of the operator or personally delivered two weeks prior to the meeting.

(d) The Board's decision to grant, deny, modify or revoke a permit or to interrupt or stop a permitted project may be appealed to this court within thirty days of the notice thereof to the applicant and upon thirty days' notice to the designees of all parties herein.

(e) WRD shall monitor and periodically inspect the project for compliance with the terms and conditions for any permit issued pursuant to these provisions.

(f) No party shall recover costs from any other party herein in connection with determinations made with respect to this Part.

(8) "Call" on Carryover Converted to Stored Water.

Where any Party has elected, as permitted by Section III(A)(2), to convert Carryover to Stored Water, any other Party which has not, within the previous ten (10) years, been granted approval to extract Carryover Conversion under this

Section III(B)(8) more than five (5) times, may apply to the Storage Panel for the right to extract all or a portion of that Carryover Conversion in the year such Conversion occurs. The Storage Panel shall grant such request, providing there is no Material Physical Harm, if it determines that leased groundwater to meet the applicant's needs within the Basin cannot be obtained for less than forty-five percent (45%) of MWD's Imported Water rate for delivery of untreated water to the Central Basin spreading facilities (which rate is presently MWD's "Full Service Untreated Volumetric Cost, Tier 1"), and that the applicant will fully extract its Allowed Pumping Allocation, Carryover, and Stored Water, if any, in addition to its permitted overextraction under Section III(B)(1), prior to accessing such Carryover Conversion.

Upon such approval, the applicant may thereafter extract such water as provided herein. A Party so extracting groundwater shall fully restore such extracted water (either through under-extraction of its rights or through importing water) during the five-year period following the Year in which the extraction under this Section occurs. Otherwise, the extracting Party shall pay to the Watermaster an amount equal to 100% of MWD's Imported Water rate for purchase and delivery of untreated water to the Central Basin spreading facilities (which rate is presently MWD's "Full Service Untreated Volumetric Cost, Tier 1") whether or not such water is available that year, for the year during which is the fifth anniversary of the year during which such Carryover Conversion extraction occurs, multiplied by the amount of Carryover Conversion so extracted and not restored during such five-year period. Payment shall be made within thirty (30) days of demand by Watermaster. No Replenishment Assessment shall be due on Carryover Conversion so extracted. However, the Party must deposit with the Watermaster an amount equal to the Replenishment Assessment that would otherwise be imposed by WRD upon such extraction. If the party restores the water within the 5-year repayment period, then the Watermaster shall

promptly return the deposit to the Party, without interest. If the Party does not restore the water within the 5-year repayment period, the deposit shall be credited towards the Party's obligation to pay 100% of MWD's Imported Water rate as required herein.

Should there be multiple requests to so extract Carryover Conversion in the same year, the Storage Panel shall allocate such extraction right such that each requesting party may extract a pro rata portion of the available Carryover Conversion for that year. No party may extract in excess of 2,500 acre feet of groundwater pursuant to this Section III(B)(8) in a single Year. Amounts paid to Watermaster hereunder shall be used by WRD solely for purchase of water for replenishment in the Basin. Watermaster, through the Storage Panel, shall give reasonable notice to the Parties of any application to so extract Carryover Conversion in such manner as the Storage Panel shall determine, including, without limitation, notice by electronic mail or by website posting, at least ten (10) days prior to consideration of any such application.

C. Exchange Pool Provisions.

(1) Definitions.

For purposes of these Exchange Pool provisions, the following words and terms have the following meanings:

(a) "Exchange Pool" is the arrangement hereinafter set forth whereby certain of the parties, ("Exchangees") may, notwithstanding the other provisions of the Judgment, extract additional water from Central Basin to meet their needs, and certain other of the parties ("Exchangors"), reduce their extractions below their Allowed Pumping Allocations in order to permit such additional extractions by others.

(b) "Exchangor" is one who offers, voluntarily or otherwise, pursuant to subsequent provisions, to reduce its extractions below its Allowed Pumping Allocation in order to permit such additional

extractions by others.

(c) "Exchangee" is one who requests permission to extract additional water from Central Basin.

(d) "Undue hardship" means unusual and severe economic or operational hardship, other than that arising (i) by reason of any differential in quality that might exist between water extracted from Central Basin and water available for importation or (ii) by reason of any difference in cost to a party in subscribing to the Exchange Pool and reducing its extractions of water from Central Basin in an equivalent amount as opposed to extracting any such quantity itself.

(2) Parties Who May Purchase Water Through the Exchange Pool.

Any party not having existing facilities for the taking of imported water as of the beginning of any Administrative Year, and any party having such facilities as of the beginning of any Administrative Year who is unable, without undue hardship, to obtain, take, and put to beneficial use, through its distribution system or systems existing as of the beginning of the particular Administrative Year, imported water in a quantity which, when added to its Allowed Pumping Allocation for that particular Administrative Year, will meet its estimated needs for that particular Administrative Year, may purchase water from the Exchange Pool, subject to the limitations contained in this Section III(C) (Subpart "C" hereinafter).

(3) Procedure for Purchasing Exchange Pool Water.

Not later than the 40th day following the commencement of each Administrative Year, each such party desiring to purchase water from the Exchange Pool shall file with the Watermaster a request to so purchase, setting forth the amount of water in acre feet that such party estimates that it will require during the then current Administrative Year in excess of the total of:

(a) Its Allowed Pumping Allocation for that particular

Administrative Year; and

(b) The imported water, if any, which it estimates it will be able, without undue hardship, to obtain, take and put to beneficial use, through its distribution system or systems existing as of the beginning of that particular Administrative Year.

Any party who as of the beginning of any Administrative Year has existing facilities for the taking of imported water and who makes a request to purchase from the Exchange Pool must provide with such request substantiating data and other proof which, together with any further data and other proof requested by the Water Rights Panel, establishes that such party is unable without undue hardship, to obtain, take and put to beneficial use through its said distribution system or systems a sufficient quantity of imported water which, when added to its said Allowed Pumping Allocation for the particular Administrative Year, will meet its estimated needs. As to any such party, the Water Rights Panel shall make a determination whether the party has so established such inability, which determination shall be subject to review by the court under the procedure set forth in Part II of this Judgment. Any party making a request to purchase from the Exchange Pool shall either furnish such substantiating data and other proof, or a statement that such party had no existing facilities for the taking of imported water as of the beginning of that Administrative Year, and in either event a statement of the basis for the quantity requested to be purchased.

(4) Subscriptions to Exchange Pool.

(a) Required Subscription. Each party having existing facilities for the taking of imported water as of the beginning of any Administrative Year hereby subscribed to the Exchange Pool for purposes of meeting Category (a) requests thereon, as more particularly defined in paragraph 5 of this Subpart C, twenty percent

(20%) of its Allowed Pumping Allocation, or the quantity of imported water which it is able, without undue hardship, to obtain, take and put to beneficial use through its distribution system or systems existing as of the beginning of the particular Administrative Year in addition to such party's own estimated needs for imported water during that Administrative Year, whichever is the lesser. A party's subscription under this subparagraph (a) and subparagraph (b) of this paragraph 4 is sometimes hereinafter referred to as a "required subscription."

(b) Report to Watermaster Water Rights Panel by Parties with Connections and Unable to Subscribe 20%. Any party having existing facilities for the taking of imported water and estimating that it will be unable, without undue hardship, in that Administrative Year to obtain, take and put to beneficial use through its distribution system or systems existing as of the beginning of that Administrative Year, sufficient imported water to further reduce its extractions from the Central Basin by twenty percent (20%) of its Allowed Pumping Allocation for purposes of providing water to the Exchange Pool must furnish not later than the 40th day following the commencement of such Administrative Year substantiating data and other proof which, together with any further data and other proof requested by the Water Rights Panel, establishes said inability or such party shall be deemed to have subscribed twenty percent (20%) of its Allowed Pumping Allocation for the purpose of providing water to the Exchange Pool. As to any such party so contending such inability, the Water Rights Panel shall make a determination whether the party has so established such inability, which determination shall be subject to review by the Court under the procedure set forth in Part II of this Judgment.

(c) Voluntary Subscriptions. Any party, whether or not having

facilities for the taking of imported water, who desires to subscribe to the Exchange Pool a quantity or further quantity of its Allowed Pumping Allocation, may so notify the Water Rights Panel in writing of the quantity of such offer on or prior to the 40th day following the commencement of the particular Administrative Year. Such subscriptions are referred to hereinafter as "voluntary subscriptions." Any Exchangor who desires that any part of its otherwise required subscription not needed to fill Category (a) requests shall be available for Category (b) requests may so notify the Water Rights Panel in writing on or prior to said 40th day. If all of that Exchangor's otherwise required subscription is not needed in order to fill Category (a) requests, the remainder of such required subscription not so used, or such part thereof as such Exchangor may designate, shall be deemed to be a voluntary subscription.

(5) Limitations on Purchases of Exchange Pool Water and Allocation of Requests to Purchase Exchange Pool Water Among Exchangors.

(a) Categories of Requests. Two categories of Exchange Pool requests are established as follows:

(i) Category (a) requests. The quantity requested by each Exchangee, whether or not that Exchangee has an Allowed Pumping Allocation, which quantity is not in excess of 150% of its Allowed Pumping Allocation, if any, or 100 acre feet, whichever is greater. Requests or portions thereof within the above criteria are sometimes hereinafter referred to as "Category (a) requests."

(ii) Category (b) requests. The quantity requested by each Exchangee having an Allowed Pumping Allocation to the extent the request is in excess of 150% of that Allowed

Pumping Allocation or 100 acre feet, whichever is greater, and the quantity requested by each Exchangee having no Allowed Pumping Allocation to the extent the request is in excess of 100 acre feet. Portions of requests within the above criteria are sometimes hereinafter referred to as "Category (b) requests."

(b) Filling of Category (a) Requests. All Exchange Pool subscriptions, required and voluntary, shall be available to fill Category (a) requests. Category (a) requests shall be filled first from voluntary subscriptions, and if voluntary subscriptions should be insufficient to fill all Category (a) requests required subscriptions shall be then utilized to fill Category (a) requests. All Category (a) requests shall be first filled before any Category (b) requests are filled.

(c) Filling of Category (b) Requests. To the extent that voluntary subscriptions have not been utilized in filling Category (a) requests, Category (b) requests shall be filled only out of any remaining voluntary subscriptions. Required subscriptions will then be utilized for the filling of any remaining Category (b) requests.

(d) Allocation of Requests to Subscriptions When Available Subscriptions Exceed Requests. In the event the quantity of subscriptions available for any category of requests exceeds those requests in that category, or exceeds the remainder of those requests in that category, such requests shall be filled out of such subscriptions proportionately in relation to the quantity of each subscription.

(e) Allocation of Subscriptions to Category (b) Requests in the Event of Shortage of Subscriptions. In the event available subscriptions are insufficient to meet Category (b) requests, available subscriptions shall be allocated to each request in the proportion that

the particular request bears to the total requests of the particular category.

(6) Additional Voluntary Subscriptions.

If subscriptions available to meet the requests of Exchangees are insufficient to meet all requests, additional voluntary subscriptions may be solicited and received from parties by the Water Rights Panel. Such additional subscriptions shall be allocated first to Category (a) requests to the extent unfilled, and next to Category (b) requests to the extent unfilled. All allocations are to be otherwise in the same manner as earlier provided in paragraph 5 (a) through 5 (e) inclusive.

(7) Effect if Category (a) Requests Exceed Available Subscriptions, Both Required and Voluntary.

In the event that the quantity of subscriptions available to fill Category (a) requests is less than the total quantity of such requests, the Exchangees may, nonetheless, extract the full amount of their Category (a) requests otherwise approved by the Water Rights Panel as if sufficient subscriptions were available. The amounts received by the Water Rights Panel on account of that portion of the approved requests in excess of the total quantities available from Exchangors shall be paid by the Water Rights Panel to WRD in trust for the purpose of purchasing imported water and spreading the same in Central Basin for replenishment thereof. Thereafter WRD may, at any time, withdraw said funds or any part thereof so credited in trust for the aforesaid purpose, or may by the 40th day of any Administrative Year utilize all or any portion of said funds for the purchase of water available from subscriptions by Exchangors in the event the total quantity of such subscriptions exceeds the total quantity of approved requests by parties to purchase Exchange Pool water. To the extent that there is such an excess of available subscriptions over requests and to the extent that the existing credit in favor of WRD is sufficient to purchase such excess quantity at

the price established for Exchange Pool purchases during that Administrative Year, the money shall be paid to the Exchangors in the same manner as if another party had made such purchase as an Exchangee. WRD shall not extract any such Exchange Pool water so purchased.

(8) Additional Pumping by Exchangees Pursuant to Exchange Pool Provisions.

An Exchangee may extract from Central Basin in addition to its Allowed Pumping Allocation for a particular Administrative Year that quantity of water which it has requested to purchase from the Exchange Pool during that Administrative Year and which has been allocated to it pursuant to the provisions of paragraphs 5, 6 and 7. The first pumping by an Exchangee in any Administrative Year shall be deemed to be pumping of the party's allocation of Exchange Pool water.

(9) Reduction in Pumping by Exchangors.

Each Exchangor shall in each Administrative Year reduce its extractions of water from Central Basin below its Allowed Pumping Allocation for the particular year in a quantity equal to the quantity of Exchange Pool requests allocated to it pursuant to the provisions of paragraphs 4, 5, 6 and 7 of this Subpart C.

(10) Price to be Paid for Exchange Pool Water.

The price to be paid by Exchangees and to be paid to Exchangors per acre foot for required and voluntary subscriptions of Exchangors utilized to fill requests on the Exchange Pool by Exchangees shall be the dollar amount computed as follows by the Water Rights Panel for each Administrative Year. The "normal" price as of the beginning of the Administrative Year charged by Central Basin Municipal Water District (CBMWD) for treated MWD (Metropolitan Water District of Southern California) water used for domestic and municipal purposes shall be determined, and if on that date there are any changes

scheduled during that Administrative Year in CBMWD's "normal" price for such category of water, the weighted daily "normal" CBMWD price shall be determined and used in lieu of the beginning such price; and there shall be deducted from such beginning or weighted price, as the case may be, the "incremental cost of pumping water in Central Basin" at the beginning of the Administrative Year and any then current rate or rates, of assessments levied on the pumping of groundwater in Central Basin by Plaintiff District and any other governmental agency. The "normal" price charged by CBMWD shall be the highest price of CBMWD for normal service excluding any surcharge or higher rate for emergency deliveries or otherwise failing to comply with CBMWD rates and regulations relating to earlier deliveries. The "incremental cost of pumping water in Central Basin" as of the beginning of the Administrative Year shall be deemed to be the Southern California Edison Company Schedule No. PA-1 rate per kilowatt-hour, including all adjustments and all uniform authorized additions to the basic rate, multiplied by 560 kilowatt-hours per acre-foot, rounded to the nearest dollar (which number of kilowatt-hours has been determined to represent the average energy consumption to pump an acre-foot of water in Central Basin). In applying said PA-1 rate the charge per kilowatt-hour under the schedule shall be employed and if there are any rate blocks then the last rate block shall be employed. Should a change occur in Edison schedule designations, the Water Rights Panel shall employ that applicable to motors used for pumping water by municipal utilities.

(11) Carry-over of Exchange Pool Purchases by Exchangees.

An Exchangee who does not extract from Central Basin in a particular Administrative Year a quantity of water equal to the total of (a) its Allowed Pumping Allocation for that particular Administrative Year, reduced by any authorized amount of carryover into the next succeeding Administrative Year pursuant to the provisions of Section III(A) of this Judgment, and (b) the quantity

that it purchased from the Exchange Pool for that particular Administrative Year, may carry over into the next succeeding Administrative Year the right to extract from Central Basin a quantity equal to the difference between said total and the quantity actually extracted in that Administrative Year, but not exceeding the quantity purchased from the Exchange Pool for that Administrative Year. Any such carryover shall be in addition to that provided in said Section III(A).

If the "Basinwide Average Exchange Pool Price" in the next succeeding Administrative Year exceeds the "Exchange Pool Price" in the previous Administrative Year any such Exchangee exercising such carryover rights hereinabove provided shall pay to the Watermaster, forthwith upon the determination of the "Exchange Pool Price" in said succeeding Administrative Year, and as a condition to such carryover rights, an additional amount determined by multiplying the number of acre feet of carryover by the difference in "Exchange Pool Price" as between the two Administrative Years. Such additional payment shall be miscellaneous income to the Watermaster which shall be applied by it against that share of the Watermaster's Administrative Body's budget to be paid by the parties to this Agreement for the second Administrative Year succeeding that in which the Exchange Pool water was so purchased. For purposes of this paragraph, the term Basinwide Average Exchange Pool Price means the average price per acre foot paid for Exchange Pool water produced within the Central Basin during the year for which such determination is to be made, taking into account all Exchange Pool transactions consummated during that year.

(12) <u>Notification by Watermaster to Exchangors and Exchangees of Exchange Pool Requests and Allocations Thereof and Price of Exchange Pool Water</u>.

Not later than the 65th day after the commencement of each Administrative Year, the Administrative Body of Watermaster shall determine

and notify all Exchangors and Exchangees of the total of the allocated requests for Exchange Pool water and shall provide a schedule divided into categories of requests showing the quantity allocated to each Exchangee and a schedule of the allocation of the total Exchange Pool requirements among the Exchangors. Such notification shall also advise Exchangors and Exchangees of the prices to be paid to Exchangors for subscriptions utilized and the Exchange Pool Price for that Administrative Year as determined by the Water Rights Panel. The determinations of the Watermaster in this regard shall be subject to review by the Court in accordance with the procedure set forth in Part II of this Judgment.

(13) Payment by Exchangees.

Each Exchangee shall, on or prior to last day of the third month of each Administrative Year, pay to the Watermaster one-quarter of said price per acre-foot multiplied by the number of acre feet of such party's approved request and shall, on or before the last day of each of the next succeeding three months, pay a like sum to the Watermaster. Such amounts must be paid by each Exchangee regardless of whether or not it in fact extracts or uses any of the water it has requested to purchase from the Exchange Pool.

(14) Payments to Exchangors.

As soon as possible after receipt of moneys from Exchangees, the Watermaster shall remit to the Exchangors their pro rata portions of the amount so received in accordance with the provisions of paragraph 10 above.

(15) Delinquent Payments.

Any amounts not paid on or prior to any due date above shall carry interest at the rate of 1% per month or any part of a month. Any amounts required to be so paid may be enforced by the equitable powers of the Court, including, but not limited to, the injunctive process of the Court. In addition thereto, the Watermaster, as Trustee for the Exchangors and acting through the Water Rights Panel, may enforce such payment by any appropriate legal action, and shall be

entitled to recover as additional damages reasonable attorneys' fees incurred in connection therewith. If any Exchangee shall fail to make any payments required of it on or before 30 days after the last payment is due, including any accrued interest, said party shall thenceforward not be entitled to purchase water from the Exchange Pool in any succeeding Administrative Year except upon order of the Court, upon such conditions as the Court may impose.

IV. PROVISIONS FOR THE STORAGE OF WATER AND THE EXTRACTION OF STORED WATER.

A. Adjudication of Available Dewatered Space, Storage Capacity and Storage Apportionment.

There exists within the Basin a substantial amount of available space which has not been optimally utilized for basin management and for storage of native and imported waters. The Court finds and determines that (i) there is 330,000 acre feet of Available Dewatered Space in the Basin; (ii) use of this Available Dewatered Space will increase reasonable and beneficial use of the Basin by permitting the more efficient procurement and management of Replenishment Water, conjunctive use, and for direct and in-lieu recharge, thereby increasing the prudent storage and recovery of Stored Water for later use by parties to this Judgment, conservation of water and reliability of the water supply available to all Parties; and (iii) use of the Available Dewatered Space pursuant to the terms and conditions of this Judgment will not result in Material Physical Harm.

B. Avoidance of Material Physical Harm.

It is essential that the use of the Available Dewatered Space be undertaken for the greatest public benefit pursuant to uniform, certain, and transparent regulation that encourages the conservation of water and reliability of the water supply, avoids Material Physical Harm, and promotes the reasonable and beneficial use of water. Accordingly, in the event Watermaster becomes aware of the development of a Material Physical Harm, or imminent threat of the development of a Material Physical Harm, relating to the

use of the Available Dewatered Space, Watermaster shall, within thirty (30) days thereafter, notice a hearing before the Court and concurrently file a report with the Court, served on all parties, which shall explain the relevant facts then known to Watermaster relating to the Material Physical Harm, or imminent threat thereof, including without limitation, the location of the occurrence, the source or cause, existing and potential physical impacts or consequences of the identified or threatened material Physical Harm, and any recommendations to remediate the identified or threatened Material Physical Harm.

C. Apportionment of Available Dewatered Space.

To fairly balance the needs of the divergent interests of parties having water rights in the Basin, on the one hand, and the replenishment functions of WRD on the other hand, and in consideration of the shared desire and public purpose of removing impediments to the voluntary conservation, storage, exchange and transfer of water, all of the Available Dewatered Space is hereby adjudicated and apportioned into complimentary classifications of Stored Water and a Basin Operating Reserve as set forth in this Part IV. The apportionment contemplates flexible administration of storage capacity where use is apportioned among competing needs, while allowing all Available Dewatered Space to be used from time to time on a "space available" basis, subject to the priorities specified in this Judgment, and as further defined in Section IV(I) of this Judgment. The Court further finds and determines that, of the Available Dewatered Space, there is 220,000 acre-feet of storage capacity in the Central Basin which is presently available ("Adjudicated Storage Capacity"). The use of Adjudicated Storage Capacity as provided in this Judgment will not adversely affect the efficient operation of the Basin or the recharge of water necessary for the production of the parties' respective Allowed Pumping Allocations. The apportionment of Adjudicated Storage Capacity as provided herein will allow for flexible administration of groundwater storage within the Basin. The Adjudicated Storage Capacity is hereby assigned to Individual Storage Allocations and Community Storage as provided herein, provided however that if all

space in a particular classification is fully occupied then, on a "space available" basis, to available space within the other classifications of Adjudicated Storage Capacity and, only then, to available space within Basin Operating Reserve.

The Court further finds and determines that, out of the Available Dewatered Space, there is 110,000 acre feet that should be set aside for use by WRD as a Basin Operating Reserve, provided in Section IV(L), and subject to temporary occupancy by Stored Water as permitted hereunder.

No storage of water shall occur in the Basin except in conformity with this Judgment.

D. Individual Storage Allocation.

Each Party having an adjudicated groundwater extraction right hereunder shall have a priority right to store water in an Individual Storage Account, through conversion of Carryover to Stored Water as provided herein, or by any means authorized by this Judgment, up to a maximum of 50% of such party's Allowed Pumping Allocation. The cumulative quantity of Adjudicated Storage Capacity subject to individual storage allocation is 108,750 acre-feet. In recognition of prior importation of water which was introduced into the Basin as Stored Water, and which has not yet been extracted, the Court finds and determines that, as of the date of this Order, the following Parties have occupied a portion of their respective Individual Storage Allocations and have all associated rights therein, as follows:

City of Long Beach:	13,076.8 acre-feet
City of Lakewood:	500 acre-feet
City of Downey:	500 acre-feet
City of Cerritos	500 acre-feet

E. Community Storage; Regional Disadvantaged Communities Incentive Program.

In addition to Individual Storage Allocation, a Party that has fully occupied its Individual Storage allocation may, on a first in time, first in right basis (subject to the

limits expressed below) place water into storage in the "Community Storage Pool." The cumulative quantity of Adjudicated Storage Capacity allocated to Community Storage shall be 111,250 acre-feet. So long as there is available capacity in the Community Storage Pool, any Party may store water in the Community Storage Pool through conversion of Carryover to Stored Water as provided herein, or by any other means authorized by this Judgment, provided such Party has first fully occupied that party's available Individual Storage Allocation.

(1) Parties to this Judgment which, as of January 1, 2013, held Allowed Pumping Allocation of not greater than 5,000 acre-feet shall have a first priority right to occupy, in the aggregate, up to 10,000 acre-feet of storage space within the Central Basin Community Storage Pool, on the basis of first in time, first in right.

(2) Water stored pursuant to the Regional Disadvantaged Communities Incentive Program shall have a second priority right to occupy up to 23,000 acre-feet within the Community Storage Pool, on such terms as shall be determined by the Court.

(3) Any further storage in excess of the maximum quantity of Community Storage will be on a "space-available" interim basis. From time to time, and on a "space-available" basis, the total quantity of water available for storage is permitted to exceed Adjudicated Storage Capacity for the Community Storage Pool on an interim basis. This interim storage may occur if storage capacity exists as a result of unused Adjudicated Storage Capacity within other classifications, or available space exists in the Basin Operating Reserve. Such interim storage, however, is subject to priority rights to such Dewatered Space as provided in this Judgment. A party that seeks to convert the water temporarily held in interim storage to a more firm right, may contract for the use of another party's Individual Storage Allocation, or may add such water to the Community Storage Pool once space therein becomes available.

(4) After a party occupies available storage capacity within the Community Storage Pool and then withdraws water from the Community Storage Pool, the storing party will be allowed a period of twenty-four (24) months to refill the evacuated storage before the capacity will be determined excess and available for use by other parties. Once the Basin's Community Storage Pool has been filled for the first time, a party may exercise its twenty-four (24) month refill priority only once, and then only provided there is then capacity available to permit that party to refill the vacated space. Except to the extent Community Storage space may be subject to such priority right to re-fill, all space therein shall be occupied on a first in time, first in right basis.

(5) A party that has occupied storage in the Community Storage Pool for ten (10) consecutive years shall be deemed to extract its Stored Water first in subsequent years (notwithstanding the order of water production set forth in Section I(B)(3)) until its entire Community Storage account has been extracted, but thereafter may again make use of Community Storage on the same terms available to other parties on a first in time, first in right, space-available basis.

(6) Any quantity of water held in the Community Storage Pool for a term greater than ten (10) consecutive years shall be assessed an annual water loss equal to 5% of the lowest quantity of water held within the party's Community Storage Pool account at any time during the immediately preceding ten-year period. The lowest quantity means the smallest amount of water held by the Party in the Community Storage Pool during any of the preceding ten (10) years, with a new loss calculation being undertaken every year. Water subject to the loss assessment will be deemed dedicated to the Basin Operating Reserve in furtherance of the physical solution without compensation. Water lost to the Basin shall constitute water replenished into the Central Basin for the benefit of all parties

F. Limit on Storage.

Irrespective of the category of storage utilized, each party to this Judgment may not cumulatively have in storage at any time Stored Water totaling more than two hundred percent (200%) of that party's Allowed Pumping Allocation. Subject to the foregoing, the right to produce Stored Water may be freely transferred to another party to this Judgment, or as otherwise permitted herein.

G. Extractions of Stored Water; Exemption from Replenishment Assessment.

The Court finds and declares that the extraction of Stored Water as permitted hereunder does not constitute "production of groundwater" within the meaning of Water Code Section 60317 and that no Replenishment Assessment shall be levied on the extraction of Stored Water. WRD has stipulated to the same. This determination reflects the practical application of certain provisions of this Judgment concerning storage of water, including, without limitation, understanding the following: (1) payment of the Replenishment Assessment is required upon the conversion of Carryover Water into storage, and; (2) developed water introduced into the Basin for storage by or on behalf of a Party through spreading or injection need not be replenished by WRD and should not be subject to the Replenishment Assessment.

H. Storage Procedure.

The Administrative Body shall (i) prescribe forms and procedures for the orderly reporting of Stored Water, (ii) maintain records of all water stored in the Basin, and (iii) undertake monitoring and modeling of Stored Water as may be reasonably required. As to any Storage Projects that will require review and approval by the Storage Panel, the Administrative Body shall provide appropriate applications, and shall work with project applicants to complete the application documents for presentation to the Storage Panel. The Administrative Body shall be responsible for conducting any groundwater modeling necessary to evaluate a proposed Storage Project. The proponent of a proposed project will bear all costs associated with the review of the application for approval of the project and all costs associated with its implementation. Nothing in this Judgment shall alter the applicant(s) duty to comply with CEQA or to meet other legal requirements as to any

proposed Storage Project. Within thirty (30) days after final submission of the storage application documents, the Administrative Body shall provide notice of the storage application (either by electronic mail or U.S. postal mail), together with a copy of the application documents, to all parties possessing an Allowed Pumping Allocation, and to any other person requesting notice thereof. Following notice, any necessary hearings before the Storage Panel shall be conducted as provided in Section IV(O) of this Judgment.

I. Loss of Stored Water/Relative Priority.

To balance the need to protect priority uses of storage and to encourage the full utilization of Adjudicated Storage Capacity and Basin Operating Reserve where it can be accommodated without interference with priority uses, and except as otherwise provided in this Judgment, no water held in any authorized storage account will be deemed lost from that storage account unless the cumulative quantity of water held as Stored Water plus the quantity of water held within the Basin Operating Reserve exceeds 330,000 acre-feet. Where all Adjudicated Storage Capacity and Basin Operating Reserve has been occupied, the first Stored Water to be deemed lost shall be the last water stored as Community Storage. Upon receipt of a bona fide request by another use entitled to priority hereunder, Watermaster shall issue a notice requiring the other parties to evacuate their Stored Water. Any Stored Water that is not evacuated shall be deemed dedicated to the Basin Operating Reserve in furtherance of the physical solution without compensation and accounted for accordingly.

J. Limits on Extraction.

Anything in this Judgment to the contrary notwithstanding, no party shall extract greater than 140% of the sum of (i) the party's Allowed Pumping Allocation and (ii) the party's leased water, except upon prior approval by the Water Rights Panel. For this purpose, a party's total extraction right for a particular year shall include that party's Allowed Pumping Allocation and any contractual right through lease or other means to utilize the adjudicated rights of another party. Where such proposed extraction would

occur within the Central Basin Pressure Area as defined by Watermaster consistent with historical records, the Water Rights Panel shall submit such request for review by the Board of WRD. The Water Rights Panel shall not approve any request for over-extraction within the Pressure Area without a written finding by the Board of WRD that such over-extraction will not cause Material Physical Harm. The role of the Board of WRD in this process shall not be read to expand or restrict WRD's statutory authority. Consideration shall be on an expedited basis.

K. Increased Extractions in the Central Basin for Certain Water Purveyors.

(1) This Court also maintains continuing jurisdiction over the West Coast Basin, which bounds the Central Basin to the west.

(2) Certain Water Purveyors are parties to both this Amended Judgment and the judgment governing the West Coast Basin and serve communities overlying both the Central Basin and the West Coast Basin.

(3) Certain Water Purveyors may exceed their Allowed Pumping Allocation in any Administrative Year, subject to all of the following conditions:

(a) The Water Purveyor is one of the following eligible Parties:

(i) City of Los Angeles

(ii) Golden State Water Company

(iii) California Water Service Company.

(b) Increased extractions pursuant to this Section shall not exceed 5,000 acre-feet per Water Purveyor for the particular Administrative Year.

(c) Increased extractions pursuant to this Section shall not exceed the Water Purveyor's unused "Adjudicated Rights" in the West Coast Basin.

(d) Increased extractions pursuant to this Section shall not result in Material Physical Harm.

(4) Notwithstanding the foregoing, nothing herein permits extraction

of water within the Central Basin in excess of 140% of Allowed Pumping Allocation for the particular Administrative Year, except as otherwise permitted under this Judgment.

(5) Replenishment of any water extracted from the Central Basin pursuant to this Section shall occur exclusively in the Central Basin.

(6) The benefits of this Section are made available only to the certain Water Purveyors that serve communities overlying the Central Basin and communities overlying the West Basin, in recognition of the management of water resources by those Water Purveyors to serve such overlying communities. It is not made, nor is it related to, a determination of an underflow between the basins, a cost or benefit allocation, or any other factor relating to the allocation of the Replenishment Assessment.

L. Special Provisions for Temporary Storage within Community Storage Pool.

The Central Basin Municipal Water District ("CBMWD") shall take such action as may be necessary to reduce its Allowed Pumping Allocation to five (5) acre-feet or fewer by December 31, 2018, and has agreed, by stipulation, not to acquire any additional Central Basin water rights. Upon application by CBMWD, the Storage Panel may, after making each of the findings required in this subsection, approve storage of water by CBMWD within the Community Storage Pool subject to the stated conditions. The Storage Panel may only authorize such storage after finding each of the following to be true as of the date of such approval:

(1) CBMWD (a) then owns five (5) acre-feet or fewer of Allowed Pumping Allocation, and (b) has not produced water utilizing any extraction rights it holds within the Basin but has only engaged in the sale or leasing of those rights to others.

(2) There is available space for Storage within the Community Storage

Pool.

(3) CBMWD has identified a source of imported water that may be brought into the Basin and stored underground.

(4) The water identified for storage (a) is unlikely to be acquired by other parties through surface delivery for use within the Basin, and (b) was offered to WRD to purchase for replenishment purposes at the same price that CBMWD otherwise sells imported water to WRD and WRD declined to purchase said water, within a reasonable period of time.

(5) There will be no Material Physical Harm associated with the introduction of the water into storage, or its extraction, in the manner approved by the Storage Panel.

The condition expressed in Section IV(L)(1)(a) above shall not be operative until January 1, 2019, or upon reduction of CBMWD's Allowed Pumping Allocation to five (5) acre-feet or fewer, whichever first occurs. CBMWD may not extract the Stored Water, and may instead only transfer that Stored Water to a party having extraction rights, or to WRD for replenishment purposes only. Such Stored Water not so transferred within three (3) years following its storage may be purchased by WRD, at its option, for replenishment purposes only, at a price not exceeding the actual cost incurred by CBMWD in importing and storing the water in the first instance, plus a reasonable administrative charge for overhead not exceeding five percent (5%) of the price paid by CBMWD for the water with no other fees or markups imposed by CBMWD. Except as otherwise permitted in this Section, any such Stored Water held by CBMWD for a term greater than three (3) years shall be assessed an annual water loss equal to 10% of the amount of such Stored Water at the end of each year. Water subject to the loss

assessment will be deemed dedicated to the Basin Operating Reserve in furtherance of the physical solution without further compensation. The Storage Panel shall grant CBMWD one or more extensions of such term, not exceeding total extensions of three (3) additional years, following public hearing, if the Storage Panel determines that the Stored Water has been actively marketed by CBMWD for transfer to Parties on reasonable terms in the previous year. The Storage Panel may impose such additional reasonable conditions as it determines to be appropriate. Any review by the Storage Panel hereunder shall only occur at a public hearing held following at least 15 days' (but not more than 30 days') mailed notice to all Parties to this Judgment, at which hearing an opportunity for public comment shall be afforded in advance of any such decision. However, the Storage Panel may consider an application on shorter notice under exigent circumstances, including the potential loss of the water proposed to be stored if action is not taken sooner. CBMWD shall have the right to appeal any action or inaction by the Storage Panel to this court. The storage and extraction of Stored Water hereunder shall otherwise be subject to all other provisions of this Judgment. The court finds and declares that this subsection constitutes a "court order issued by a court having jurisdiction over the adjudication of groundwater extraction rights within the groundwater basin where storage is sought" within the meaning of Water Code §71610(b)(2)(B). Nothing in this provision impedes CBMWD's ability to store water pursuant to a contract with an adjudicated groundwater extraction rights holder as permitted by Water Code § 71610(b)(2)(A) and otherwise in accordance with this Judgment.

M. Basin Operating Reserve.

It is in the public interest and in furtherance of the physical solution for WRD to prudently exercise its statutory discretion to purchase, spread, and inject Replenishment Water, to provide for in-lieu replenishment, and otherwise to fulfill its replenishment function within the Basin as provided in Water Code Section 60000 et. seq. Hydrologic,

regulatory and economic conditions now prevailing within the State require that WRD be authorized to exercise reasonable discretion and have flexibility in the accomplishment of its replenishment function. Accordingly, WRD may pre-purchase or defer the purchase of Replenishment Water, and may otherwise purchase and manage available sources of Replenishment Water under the most favorable climatic and economic conditions as it may determine reasonable and prudent under the circumstances. It is the intent of the parties to preserve space for such replenishment activities, including capture of natural inflows during wet years, recapture of water when possible, and artificial replenishment when water is available at discounted rate, for the benefit of the Basin and the parties to the Judgment. The Basin Operating Reserve is intended to allow WRD to meet its replenishment needs to make APA available for extraction by all water rights holders. Accordingly, WRD shall have a priority right to occupy up to 110,000 acre-feet of the Available Dewatered Space as the "Basin Operating Reserve" for the acquisition and replenishment of water, or to ensure space remains available in the Basin to capture natural inflows during wet years for the benefit of the parties to the Judgment, to offset over-production. The priority right is not intended to allow WRD to sell or lease stored water, storage, or water rights. To the extent WRD does not require the use of all of such Basin Operating Reserve, that portion of the Basin Operating Reserve that is not then being used shall be available to other Parties to store water on a temporary and space-available basis. No Party may use any portion of the Basin Operating Reserve for space-available storage unless that Party has already maximized its allowed Storage pursuant to its Individual Storage Allocation and all available Community Storage is already in use. WRD's failure to use any portion of its Basin Operating Reserve shall not cause forfeiture or create a limitation of its right to make use of the designated space in the future. WRD's first priority right to this category of space shall be absolute. To the extent that there is a conflict between WRD and a third party regarding the availability of and desire to use any portion of the space available for replenishment up to the maximum limits set forth in this section, the interests of WRD will prevail. If a party other than

WRD is using the Basin Operating Reserve space on a "space available" basis and a conflict develops between WRD and the storing party, the storing party will, upon notice from WRD, evacuate the Stored Water within ninety (90) days thereafter. In such event, temporary occupancy within the Basin Operating Reserve shall be first in time, first in right, and the last Party to store water shall be required to evacuate first until adequate space shall be made available within the Basin Operating Reserve to meet WRD's needs. The storing party or parties assume all risks of waste, spill and loss regardless of the hardship. Stored Water that is not evacuated following WRD's notice of intent to occupy the Basin Operating Reserve will be deemed dedicated to the Basin Operating Reserve in furtherance of the physical solution without compensation and accounted for accordingly. Nothing herein shall permit WRD to limit or encumber, by contract or otherwise, its right to use the Basin Operating Reserve for Replenishment purposes for any reason, or to make space therein available to any person by any means. Notwithstanding the foregoing, to the extent excess space is available, water evacuated from the Basin Operating Reserve as provided in this Section shall be deemed added to available space within the Individual Storage Allocations and Community Storage Pool, subject to the priority rights otherwise provided in this Judgment.

N. Water Augmentation.

The parties, in coordination with WRD, may undertake projects that add to the long-term reliable yield of the Basin. Innovations and improvements in practices that increase the conservation and maximization of the reasonable and beneficial use of water should be promoted. To the extent that Parties to the Judgment, in coordination with WRD, implement a project that provides additional long-term reliable water supply to the Central Basin, the annual extraction rights in the Central Basin will be increased commensurately in an amount to be determined by the Storage Panel to reflect the actual yield enhancement associated with the project. Augmented supplies of water resulting from such a project may be extracted or stored as permitted in this Judgment in the same manner as other water. Participation in any Water Rights Augmentation Project shall be

voluntary. A party may elect to treat a proposed project as a Water Augmentation Project (for the purpose of seeking an increase in that party's Allowed Pumping Allocation) or may elect to treat such a project as a Storage Project under the other provisions of this Judgment. The terms of participation in any Water Augmentation Project will be at the full discretion of the participating parties. All Water Augmentation Projects will be approved by the Storage Panel.

(1) Participating Parties.

Parties who propose a Water Augmentation Project ("Project Leads") may do so in their absolute discretion, upon such terms as they may determine. All other parties to this Judgment will be offered an opportunity to participate in the Water Augmentation Project on condition that they share proportionally in common costs and benefits, and assume the obligation to bear exclusively the cost of any improvements that are required to accommodate their individual or particular needs. Notice shall be provided which generally describes the project and the opportunity to participate with sufficient time for deliberation and action by any of these parties who could potentially participate. Disputes over the adequacy of notice shall be referred to the Storage Panel, and then to the Court under its continuing jurisdiction. Parties who elect to participate ("Project Participants") may do so provided they agree to offer customary written and legally binding assurances that they will bear their proportionate costs attributable to the Water Rights Augmentation Project, or provide other valuable consideration deemed sufficient by the Project Leads and the Project Participants.

(2) Determination of Additional Extraction Rights.

The amount of additional groundwater extraction as a result of a Water Augmentation project will be determined by the Storage Panel, subject to review by the Court. The determination will be based upon substantial evidence which supports the finding that the Water Augmentation project will increase the long-term sustainable yield of the respective Basin by an amount at least equal to the

proposed increase in extraction rights.

(3) Increase in Extraction Rights.

A party that elects to participate and pays that party's full pro-rata share of costs associated with any Water Augmentation Project and/or reaches an agreement with other participants based upon other valuable consideration acceptable to the Project Leads and Project Participants, will receive a commensurate increase in extraction rights. Non-participating parties will not receive an increase or a decrease in extraction rights. Any party that elects not to participate will not be required to pay any of the costs attributable to the particular Water Augmentation Project, whether directly or indirectly as a component of the WRD Replenishment Assessment.

(4) Nominal Fluctuations.

Because water made available for Water Rights Augmentation will be produced annually, fluctuations in groundwater levels will be temporary, nominal and managed within the Basin Operating Reserve.

(5) Availability of New Water.

The amount of additional groundwater extraction established as a result of a Water Augmentation Project shall be equal to the quantity of new water in the Basin that is attributable to that Water Augmentation Project. No extraction shall occur and no extraction right shall be established until new water has been actually introduced into the Basin as a result of the Project. Any approval for a Water Augmentation Project shall include provisions (a) requiring regular monitoring to determine the actual amount of such new water made available, (b) requiring make-up water or equivalent payment therefor to the extent that actual water supply augmentation does not meet projections, and (c) adjusting extraction rights attributable to the Water Augmentation Project to match the actual water created. The right to extract augmented water from the Basin resulting from a party's participation in a Water Augmentation Project shall be accounted for

separately and shall not be added to a party's Allowed Pumping Allocation. No Replenishment Assessment shall be levied against the extraction of augmented water.

(6) Limitation.

Notwithstanding the foregoing, WRD will not obtain any water rights or extraction rights under this Judgment by virtue of its participation in a Water Augmentation Project. If WRD participates in a Water Rights Augmentation Project through funding or other investments, its allocation of new water from the project shall be used to offset its replenishment responsibilities.

O. Limits on Watermaster Review.

It shall not be necessary for Watermaster, or any constituent body thereof, to review or approve any of the following before the affected Party may proceed: (i) exercise of adjudicated water rights consistent with this Judgment, except for extraction above 140% of a Party's extraction right as set out in Section IV(J) of this Judgment; (ii) replenishment of the Basin with Replenishment Water by WRD consistent with Water Code Section 60000 et seq., including replenishment of water produced by water rights holders through the exercise of adjudicated water rights; (iii) WRD's operations within the Basin Operating Reserve; (iv) Carryover Conversion or other means of the filling of the Individual Storage Accounts and the Community Storage Pool, as provided in this Judgment, as long as existing water production, spreading, or injection facilities are used; and (v) individual transfers of the right to produce Stored Water as permitted in Section IV(F). All other Storage Projects and all Water Augmentation Projects shall be subject to review and approval as provided herein, including (i) material variances to substantive criteria governing projects exempt from the review and approval process, (ii) modifications to previously approved Storage Projects and agreements, (iii) a party's proposal for Carryover Conversion in quantities greater than the express apportionment of Adjudicated Storage Capacity on a non-priority, space-available, interim basis, and (iv) Storage, by means other than Carryover Conversion, when new production,

spreading, or injection facilities are proposed to be utilized.

P. Hearing Process For Watermaster Review.

The following procedures shall be followed by Watermaster where Watermaster review of storage or extraction of Stored Water is required or permitted under this Judgment:

(1) No later than thirty (30) days after notice has been issued for the storage application, the matter shall be set for hearings before the Storage Panel. A staff report shall be submitted by WRD staff in conjunction with the completed storage application documents and the Water Rights Panel may prepare an independent staff report, if it elects to do so.

(2) The Board of WRD and the Water Rights Panel (sitting jointly as the Storage Panel) shall conduct a joint hearing concerning the storage application.

(3) All Watermaster meetings shall be conducted in the manner prescribed by the applicable Rules and Regulations. The Rules shall provide that all meetings of Watermaster shall be open to water rights holders and that reasonable notice shall be given of all meetings.

(4) The Board of WRD and the Water Rights Panel shall each adopt written findings explaining its decision on the proposed Storage Project, although if both entities reach the same decision on the Storage Project, they shall work together to adopt a uniform set of findings.

(5) Unless both the Board of WRD and the Water Rights Panel approve the Storage Project, the Storage Project application shall be deemed denied (a "Project Denial"). If both the Board of WRD and the Water Rights Panel approve the Storage Project, the Storage Project shall be deemed approved (a "Project Approval").

Q. Trial Court Review

(1) The applicant may seek the Storage Panel's reconsideration of a

Project Denial. However, there shall be no process for mandatory reconsideration or mediation of a Project Approval or a Project Denial either before the Administrative Body, or before the Water Rights Panel.

(2) Any Party may file an appeal from a Project Approval or Project Denial with this Court, as further described in Section II(F).

(3) In order to (a) promote the full presentation of all relevant evidence before the Storage Panel in connection with its consideration of any proposed Storage Project, (b) achieve an expeditious resolution of any appeal to the Court, and (c) accord the appropriate amount of deference to the expertise of the Storage Panel, the appeal before the Court shall be based solely on the administrative record, subject only to the limited exception in California Code of Civil Procedure section 1094.5(e).

(4) If both the WRD Board and the Water Rights Panel each vote to deny or approve a proposed Storage Project, it shall be an action by the Storage Panel and that decision shall be accorded by the Court deference according to the substantial evidence test. If one of the reviewing bodies votes to approve the proposed Storage Project and the other reviewing body votes to deny the proposed storage project, then the Court's review shall be *de novo*, although still restricted to the administrative record. In the case of any *de novo* Trial Court review, the findings made by the respective Watermaster bodies shall not be accorded any weight independent of the evidence supporting them.

R. Space Available Storage, Relative Priority, and Dedication of "Spilled" Water.

To balance the need to protect priority uses of storage and to encourage the full utilization of Available Dewatered Space within the Adjudicated Storage Capacity and the Basin Operating Reserve, any Party may make interim, temporary use of then currently unused Available Dewatered Space within any category of Adjudicated Storage Capacity, and then if all Adjudicated Storage Capacity is being fully used for Stored

Water within the Basin Operating Reserve ("Space-Available Storage"), subject to the following criteria:

(1) Any Party may engage in Space-Available Storage without prior approval from Watermaster provided that the storing Party or Parties shall assume all risks of waste, spill, and loss regardless of the hardship. Whenever the Storage Panel determines that a Party is making use of excess Available Dewatered Space for Space-Available Storage, the Storage Panel shall issue written notice to the Party informing them of the risk of spill and loss.

(2) Whenever the Available Dewatered Space is needed to accommodate the priority use within a respective category of Adjudicated Storage Capacity, or WRD seeks to make use of its priority right to the Basin Operating Reserve to fulfill its replenishment function, the Storage Panel shall issue a notice to evacuate the respective category of Adjudicated Storage Capacity or Basin Operating Reserve, as applicable, within the time-periods set forth within this Amended Judgment. To the extent the Stored Water is not timely evacuated such Stored Water will be placed into any other excess Available Dewatered Space, first within the Adjudicated Storage Capacity, if available, and then if all Adjudicated Storage Capacity is being fully used for Stored Water within the Basin Operating Reserve. If no excess Available Dewatered Space is available within the Basin Operating Reserve, then the Stored Water shall be deemed spilled and will be deemed dedicated to the Basin Operating Reserve in furtherance of the physical solution without compensation and accounted for accordingly. A Party that seeks to convert the Stored Water temporarily held in interim storage as Space-Available Storage to a more firm right, may in its discretion, contract for the use of another Party's Individual Storage Allocation, or may add such water to the Community Storage Pool once space therein becomes available.

(3) No Stored Water will be deemed abandoned unless the cumulative

quantity of water held as Stored Water plus the quantity of water held in the Basin Operating Reserve exceeds 330,000 (three hundred and thirty thousand) acre-feet in the Central Basin.

V. CONTINUING JURISDICTION OF THE COURT.

The Court hereby reserves continuing jurisdiction and upon application of any interested party, or upon its own motion, may review and redetermine the following matters and any matters incident thereto:

A. Its determination of the permissible level of extractions from Central Basin in relation to achieving a balanced basin and an economic utilization of Central Basin for groundwater storage, taking into account any then anticipated artificial replenishment of Central Basin by governmental agencies for the purpose of alleviating what would otherwise be annual overdrafts upon Central Basin and all other relevant factors.

B. Whether in accordance with applicable law any party has lost all or any portion of his rights to extract groundwater from Central Basin and, if so, to ratably adjust the Allowed Pumping Allocations of the other parties and ratably thereto any remaining Allowed Pumping Allocation of such party.

C. To remove any Watermaster or constituent body appointed from time to time and appoint a new Watermaster; and to review and revise the duties, powers and responsibilities of the Watermaster or its constituent bodies and to make such other and further provisions and orders of the Court that may be necessary or desirable for the adequate administration and enforcement of the Judgment.

D. To revise the price to be paid by Exchangees and to Exchangors for Exchange Pool purchases and subscriptions.

E. In case of emergency or necessity, to permit extractions from Central Basin for such periods as the Court may determine: (i) ratably in excess of the Allowed Pumping Allocations of the parties; or (ii) on a non-ratable basis by certain parties if

either compensation or other equitable adjustment for the benefit of the other parties is provided. Such overextractions may be permitted not only for emergency and necessity arising within Central Basin area, but to assist the remainder of the areas within The Metropolitan Water District of Southern California in the event of temporary shortage or threatened temporary shortage of its imported water supply, or temporary inability to deliver the same throughout its area, but only if the court is reasonably satisfied that no party will be irreparably damaged thereby. Increased energy cost for pumping shall not be deemed irreparable damage. Provided, however, that the provisions of this subparagraph will apply only if the temporary shortage, threatened temporary shortage, or temporary inability to deliver was either not reasonably avoidable by the Metropolitan Water District, or if reasonably avoidable, good reason existed for not taking the steps necessary to avoid it.

F. To review actions of the Watermaster.

G. To assist the remainder of the areas within The Metropolitan Water District of Southern California within the parameter set forth in subparagraph (e) above.

H. To provide for such other matters as are not contemplated by the Judgment and which might occur in the future, and which if not provided for would defeat any or all of the purposes of this Judgment to assure a balanced Central Basin subject to the requirements of Central Basin Area for water required for its needs, growth and development.

The exercise of such continuing jurisdiction shall be after 30 days' notice to the parties, with the exception of the exercise of such continuing jurisdiction in relation to subparagraphs E and G above, which may be *ex parte*, in which event the matter shall be forthwith reviewed either upon the Court's own motion or the motion of any party upon which 30 days' notice shall be so given. Within ten (10) days of obtaining any *ex parte* order, the party so obtaining the same shall mail notice thereof to the other parties. If any other party desires Court review thereof, the party obtaining the *ex parte* order shall bear the reasonable expenses of mailing notice of the proceedings, or may in lieu thereof undertake the mailing. Any contrary or

modified decision upon such review shall not prejudice any party who relied on said *ex parte* order.

VI. GENERAL PROVISIONS.

A. Judgment Constitutes Inter Se Adjudication.

This Judgment constitutes an inter se adjudication of the respective rights of all parties, except as may be otherwise specifically indicated in the listing of the water rights of the parties of this Judgment, or in Appendix "2" hereof. All parties to this Judgment retain all rights not specifically determined herein, including any right, by common law or otherwise, to seek compensation for damages arising out of any act or omission of any person. This Judgment constitutes a "court order" within the meaning of Water Code Section 71610(B)(2)(b).

B. Assignment, Transfer, Etc., of Rights.

Subject to the other provision of this Judgment, and any rules and regulations of the Watermaster requiring reports relative thereto, nothing herein contained shall be deemed to prevent any party hereto from assigning, transferring, licensing or leasing all or any portion of such water rights as it may have with the same force and effect as would otherwise be permissible under applicable rules of law as exist from time to time.

C. Service Upon and Delivery to Parties of Various Papers.

Service of the Judgment on those parties who have executed that certain Stipulation and Agreement for Judgment or who have filed a notice of election to be bound by the Exchange Pool provisions shall be made by first class mail, postage prepaid, addressed to the designee and at the address designated for that purpose in the executed and filed Counterpart of the Stipulation and Agreement for Judgment or in the executed and filed "Notice of Election to be Bound by Exchange Pool Provisions," as the case may be, or in any substitute designation filed with the Court.

Each party who has not heretofore made such a designation shall, within 30 days after the Judgment shall have been served upon that party, file with the Court, with proof

of service of a copy upon the Watermaster, a written designation of the person to whom and the address at which all future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon that party or delivered to that party are to be so served or delivered.

A later substitute designation filed and served in the same manner by any party shall be effective from the date of filing as to the then future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon or delivered to that party.

Delivery to or service upon any party by the Watermaster, by any other party, or by the Court, or any item required to be served upon or delivered to a party under or pursuant to the Judgment may be by deposit in the mail, first class, postage prepaid, addressed to the designee and at the address in the latest designation filed by that party.

D. Judgment Does Not Affect Rights, Powers, Etc., of Plaintiff District.

Nothing herein constitutes a determination or adjudication which shall foreclose Plaintiff District from exercising such rights, powers, privileges and prerogatives as it may now have or may hereafter have by reason of provisions of law.

E. Continuation of Order under Interim Agreement.

The order of Court made pursuant to the "Stipulation and Interim Agreement and Petition for Order" shall remain in effect through the Administrative Year in which this Judgment shall become final (subject to the reserved jurisdiction of the Court).

F. Effect of Extractions by Exchangees; Reductions in Extractions.

With regard to Exchange Pool purchases, the first extractions by each Exchangee shall be deemed the extractions of the quantities of water which that party is entitled to extract pursuant to his allocation from the Exchange Pool for that Administrative Year. Each Exchangee shall be deemed to have pumped his Exchange Pool request so allocated for and on behalf of each Exchangor in proportion to each Exchangor's subscription to the Exchange Pool which is utilized to meet Exchange Pool requests. No Exchangor shall ever be deemed to have relinquished or lost any of its rights determined in this

Judgment by reason of allocated subscriptions to the Exchange Pool. Each Exchangee shall be responsible as between Exchangors and that Exchangee, for any tax or assessment upon the production of groundwater levied for replenishment purposes by WRD or by any other governmental agency with respect to water extracted by such Exchangee by reason of Exchange Pool allocations and purchases. No Exchangor or Exchangee shall acquire any additional rights, with respect to any party to this action, to extract waters from Central Basin pursuant to Water Code Section 1005.1 by reason of the obligations pursuant to and the operation of the Exchange Pool.

G. Judgment Binding on Successors, Etc.

This Judgment and all provisions thereof are applicable to and binding upon not only the parties to this action, but as well to their respective heirs, executors, administrators, successors, assigns, lessees, licensees and to the agents, employees and attorneys in fact of any such persons.

H. Costs.

No party shall recover its costs herein as against any other party.

I. Intervention of Successors in Interest and New Parties.

Any person who is not a party (including but not limited to successors or parties who are bound by this Judgment) and who proposes to produce water from the Basin, store water in the Basin, or exercise water rights of a predecessor may seek to become a party to this Judgment through a Stipulation in Intervention entered into with the Plaintiff. Plaintiff may execute said Stipulation on behalf of the other parties herein, but such Stipulation shall not preclude a party from opposing such intervention at the time of the court hearing thereon. Said Stipulation for Intervention must thereupon be filed with the Court, which will consider an order confirming said intervention following thirty (30) days' notice to the parties. Thereafter, if approved by the Court, such intervenor shall be a party bound by this Judgment and entitled to the rights and privileges accorded under the physical solution herein.

J. Effect of this Amended Judgment on Orders Filed Herein.

This Third Amended Judgment shall not abrogate such rights of additional carryover of unused water rights as may otherwise exist pursuant to orders herein filed June 2, 1977 and September 29, 1977.

THE CLERK WILL ENTER THIS THIRD AMENDED JUDGMENT FORTHWITH.

DATED: _____

_____
Judge of the Superior Court

APPENDIX L

2014 Annual Water Quality Report

CITY OF WHITTIER
2014 ANNUAL WATER QUALITY REPORT

Important Information About
The Quality of Your Drinking Water

June 2015

Dear Customer,

The City of Whittier is committed to keeping you informed on the quality of your drinking water. This report is provided to you annually. It includes information describing where your drinking water comes from, the constituents found in your drinking water and how the water quality compares with the regulatory standards. During 2014, the drinking water provided by the City of Whittier to its service area complied with all Federal and State drinking water quality standards. We remain dedicated to providing you with a safe and reliable supply of high quality drinking water.

The information that follows represents only a fraction of the activity in which the City of Whittier engages to provide you, the consumer, a high level of confidence in the water that you drink. We, along with our State-certified laboratories, routinely scrutinize our water supplies for the entire range of elements that have the potential to degrade the quality of your water.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the United States Environmental Protection Agency (USEPA) Safe Drinking Water Hotline **(1-800- 426-4791)**.

Some people, however, may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as people with cancer undergoing chemotherapy, people who have undergone organ transplants and people with infections are among those that may be more vulnerable. These people should seek advice about drinking water from their health care providers.

USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the USEPA Safe Drinking Water Hotline **(1-800 426-4791)**.

DEFINITIONS

- **MAXIMUM CONTAMINANT LEVEL GOAL (MCLG)**: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the USEPA.
- **PUBLIC HEALTH GOAL (PHG)**: The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by California Environmental Protection Agency.
- **MAXIMUM CONTAMINANT LEVEL (MCL)**: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible.
- **REGULATORY ACTION LEVEL (AL)**: The concentration of a contaminant which, if exceeded, triggers a treatment or other requirements which a water system must follow.
- **MAXIMUM RESIDUAL DISINFECTANT LEVEL (MRDL)**: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

- **MAXIMUM RESIDUAL DISINFECTANT LEVEL GOAL (MRDLG)**: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

- **PRIMARY DRINKING WATER STANDARD**: MCLs for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.

- **NOTIFICATION LEVEL (NL)**: An advisory level which, if exceeded, requires the drinking water system to notify the governing body of the local agency in which users of the drinking water reside (i.e. city council, county board of supervisors).

WHAT KIND OF CONTAMINANTS MIGHT BE FOUND IN DRINKING WATER ?

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surfaces of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- **Microbial contaminants**, such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **Inorganic contaminants**, such as salts and metals, that can be naturally-occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- **Pesticides and herbicides** that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- **Organic chemical contaminants**, including synthetic and volatile organic chemicals that are by-products of industrial processes and petroleum production, and can also come from gasoline stations, urban stormwater runoff, agricultural application and septic systems.
- **Radioactive contaminants**, that can be naturally-occurring or be the result of oil and gas productions and mining activities.

In order to ensure that tap water is safe to drink, USEPA and the State Water Resources Control Board, Division of Drinking Water (DDW) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. DDW regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

If present, elevated levels of lead can cause serious problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Whittier is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at:
http://water.epa.gov/drink/info/lead/index.cfm.

WHERE DOES YOUR WATER COME FROM ?

During 2014, the City of Whittier pumped 100 percent of our source water from five (5) active deep wells located in the Whittier Narrows area. These wells draw water from the Main San Gabriel groundwater basin and the Central groundwater basin. This water is then treated, pressurized and delivered to the City of Whittier's eleven reservoirs for your use. In addition, the City of Whittier assists in the operation of a groundwater treatment facility located in the Central Basin and receives treated water from the Central Basin Plant as a drinking water supply. The treatment facility removed Volatile Organic Chemicals (VOCs) to non-detectable levels. During 2014, most of the City of Whittier's water supply came from the groundwater located in the Main San Gabriel Basin.

Water conservation is the wise use of our resource to ensure an adequate supply. As California endures a fourth year of record drought, the City of Whittier has been mandated by the State Water Resources Control Board to reduce its consumption by 20%. These regulations were enacted on May 15, 2015 by the Director of Public Works and remain in effect unless the State Water Resources Control Board, the Public Works Director, or the City Council take action to revise the restrictions. For a list of current water restrictions in the City of Whittier service area, please visit our website at www.cityofwhittier.org or call our Customer Service Desk at (562) 567-9530.

WHAT IS IN YOUR DRINKING WATER?

The chart in this report shows the average and range of concentrations of the constituents tested in your drinking water during year 2014 or from the most recent tests. The State allows the City of Whittier to monitor for some contaminants less than once per year because the concentrations of these contaminants in groundwater do not change frequently. Some of our data, although representative, are more than one year old. The chart lists all the contaminants detected in your drinking water that have Federal and State drinking water standards. Detected unregulated contaminants of interest are also included.

DRINKING WATER SOURCE ASSESSMENT

In accordance with the Federal Safe Drinking Water Act, an assessment of the drinking water sources for the City of Whittier was completed in December 2002. The assessment concluded that the City of Whittier's sources are considered vulnerable to the following activities or facilities associated with contaminants detected in the water supply: research laboratory, known VOC contamination plumes, and parking lots/mall. In addition, the sources are considered most vulnerable to the following activities or facilities not associated with contaminants detected in the water supply: research laboratories and parks. A copy of the complete assessment is available at the City of Whittier Public Works counter at 13230 Penn Street, Whittier, California 90602. You may request a summary of the assessment to be sent to you by contacting Customer Service at (562) 567-9530.

This report is intended to provide information for all water users. If received by an absentee landlord, a business or school, please share the information with tenants, employees or students. We will be happy to make additional copies of this report available for review by the public upon request.

If you would like additional information regarding water quality, please call Mr. Jared Macias, Water Manager, at (562) 567-9549.

Our City Council meets on the second and fourth Tuesday of each month at 6:30 p.m. in the City Council Chambers located in City Hall at 13230 Penn Street. Please feel free to participate in these meetings.

Este informe contiene información muy importante sobre su agua potable. Para mas información ó traducción , favor de contactar a Mr. Jared Macias. Telefono: (562) 567-9549.

此份有關你的食水報告,內有重要資料和訊息,請找他人為你翻譯及解釋清楚。

Sincerely,

David A. Pelser, PE, BCEE
Director of Public Works

CITY OF WHITTIER 2014 ANNUAL WATER QUALITY TABLE

CONSTITUENT AND (UNITS)	MCL or [MRDL]	PHG (MCLG) or [MRDLG]	DLR	GROUNDWATER SOURCES Results (a)	GROUNDWATER SOURCES Range (Min-Max)	MCL Violations?	Most Recent Sampling Date	TYPICAL ORIGINS
PRIMARY DRINKING WATER STANDARDS--Health-Related Standards								
ORGANIC CHEMICALS								
Tetrachloroethylene (PCE) (µg/l)	5	0.06	0.5	<0.5	ND - 1.4	No	Monthly	Discharge from industrial activities
DISINFECTANT AND DISINFECTION BYPRODUCTS (b)								
Total Triholomethanes (TTHM) (µg/l)	80	NA	1	33	8.8 - 37	No	Quarterly	Byproduct of drinking water chlorination
Haloacetic acids (five) (HAA5) (µg/l)	60	NA	1 - 2	5.1	2.1 - 6.2	No	Quarterly	Byproduct of drinking water chlorination
Chlorine Residual (mg/l)	[4]	[4]	NA	0.41	0.18 - 0.96	No	Weekly	Drinking water disinfectant
INORGANIC CHEMICALS								
Chromium, Hexavalent (µg/l)	10	0.02	1	<1	ND - 1.6	No	2014	Erosion of natural deposits; industrial waste discharge
Copper (mg/l) **(c)**	AL = 1.3	0.3	0.05	0.44	0 / 30 Samples Exceeded the AL	No	2013	Corrosion of household plumbing system
Fluoride (mg/l)	2	1	0.1	0.25	0.17 - 0.35	No	2014	Erosion of natural deposits
Lead (µg/l) **(c)**	AL = 15	0.2	5	5.6	0 / 30 Samples Exceeded the AL	No	2013	Corrosion of household plumbing system
Nitrate as NO3 (mg/l)	45	45	2	9.4	6 - 13	No	2014	Runoff and leaching from fertilizer use
BACTERIOLOGICAL								
Coliform Bacteria **(d)**	5%	(0)	NA	0.0%	--	No	Weekly	Naturally present in the environment
RADIOACTIVE CHEMICALS								
Gross Alpha (pCi/l)	15	(0)	3	<3	ND - 8.1	No	2012	Erosion of natural deposits
Uranium (pCi/l)	20	0.43	1	1.9	1.2 - 2.9	No	2014	Erosion of natural deposits
SECONDARY DRINKING WATER STANDARDS--Aesthetic Standards, Not Health-Related								
Chloride (mg/l)	500	NA	NA	100	68 - 120	No	2014	Erosion of natural deposits
Foaming Agents (MBAS) (µg/l)	500	NA	NA	<50	ND - 50	No	2014	Municipal and industrial waste discharges
Odor (TON)	3	NA	1	1	1 - 2	No	2014	Naturally occurring organic materials
Specific Conductance (µmho/cm)	1,600	NA	NA	910	710 - 1,000	No	2014	Substances that form ions in water
Sulfate (mg/l)	500	NA	0.5	130	87 - 160	No	2014	Erosion of natural deposits
Total Dissolved Solids (mg/l)	1000	NA	NA	550	420 - 630	No	2014	Erosion of natural deposits
Turbidity (NTU)	5	NA	0.1	<0.1	ND - 0.24	No	2014	Erosion of natural deposits
ADDITIONAL CHEMICALS OF INTEREST/UNREGULATED								
Alkalinity, total as CaCO3 (mg/l)	NA	NA	NA	190	150 - 230	NA	2014	Erosion of natural deposits
Calcium (mg/l)	NA	NA	NA	90	73 - 100	NA	2014	Erosion of natural deposits
Hardness, total as CaCO3 (mg/l)	NA	NA	NA	280	230 - 320	NA	2014	Erosion of natural deposits
Magnesium (mg/l)	NA	NA	NA	16	12 - 20	NA	2014	Erosion of natural deposits
pH (pH units)	NA	NA	NA	7.7	7.2 - 8.2	NA	2014	Hydrogen ion concentration
Sodium (mg/l)	NA	NA	NA	73	48 - 92	NA	2014	Erosion of natural deposits

UNREGULATED CHEMICALS REQUIRING MONITORING

CONSTITUENT AND (UNITS)	NL	Results	Range (Min-Max)	Most Recent Sampling Date
AT ENTRY POINT TO THE DISTRIBUTION SYSTEM				
1,4-Dioxane (µg/l)	1	0.52	0.52	2014
Chlorate (µg/l)	800	46	46	2014
Chromium, Hexavalent (µg/l) **(e)**	MCL = 10	0.92	0.92	2014
Chromium, Total (µg/l) **(f)**	MCL = 50	0.97	0.97	2014
Cobalt, Total (µg/l)	NA	2.5	2.5	2014
Molybdenum, Total (µg/l)	NA	1.1	1.1	2014
Strontium, Total (µg/l)	NA	570	570	2014
Vanadium, Total (µg/l)	50	4	4	2014
IN DISTRIBUTION SYSTEM				
Chlorate (µg/l)	800	33	33	2014
Chromium, Hexavalent (µg/l) **(e)**	MCL = 10	0.67	0.67	2014
Chromium, Total (µg/l) **(f)**	MCL = 50	0.7	0.7	2014
Cobalt, Total (µg/l)	NA	2.6	2.6	2014
Molybdenum, Total (µg/l)	NA	1.6	1.6	2014
Strontium, Total (µg/l)	NA	590	590	2014
Vanadium, Total (µg/l)	50	3.8	3.8	2014

NOTES

AL = Action Level
DLR = Detection Limit for Purposes of Reporting
MCL = Maximum Contaminant Level
MCLG = Maximum Contaminant Level Goal
mg/l = parts per million or milligrams per liter
< = Average is less than the DLR
MRDL = Maximum Residual Disinfectant Level
MRDLG = Maximum Residual Disinfectant Level Goal
NA = No Applicable Limit
ND = Not Detected at DLR
NL = Notification Level
ng/l = parts per trillion or nanograms per liter
NTU = Nephelometric Turbidity Units
pCi/l = picoCuries per liter
PHG = Public Health Goal
TON = Threshold Odor Number
µg/l = parts per billion or micrograms per liter
µmho/cm = micromhos per centimeter

(a) The results reported in the table are average concentrations of the constituents detected in your drinking water during year 2014 or from the most recent tests, except for Coliform Bacteria, Chlorine Residual, TTHM, HAA5, Lead, and Copper which are described below.

(b) Samples were collected in the distribution system. For Chlorine Residual, TTHM, and HAA5, the running annual average is reported as "Results" while the maximum and minimum of the individual results are reported as "Range."

(c) Concentrations were measured at the tap. The 90th percentile concentration is reported in the table. None of the thirty sampling locations for Lead and Copper exceeded the Action Levels. The samples were collected in 2013.

(d) Over seven hundred (700) Coliform Bacteria samples were collected in the distribution system in 2014. The result in the chart is the percentage of Coliform-positive samples out of all samples collected in the month the detection was made. Coliform Bacteria are used as an indicator that if present, indicates other potentially harmful microorganisms may be present. No more that 5.0% of the monthly samples may be Coliform-positive; therefore, the MCL was not violated in 2014.

(e) Hexavalent chromium was included as part of the unregulated chemicals requiring monitoring.

(f) Total chromium is regulated with an MCL of 50 µg/l but was not detected, based on the DLR of 10 µg/l. Total chromium was included as part of the unregulated chemicals requiring monitoring.

APPENDIX M

City of Whittier 2015-16 Temporary Water Restrictions due to State-wide Emergency Drought Conditions

City of Whittier
2015-16 Temporary Water Restrictions
due to
State-wide Emergency Drought Conditions

Whereas, the City of Whittier is an urban water supplier as defined in the California Water Code Section 10617 and the City provides water to a service area comprising approximately 65% of the City;

Whereas, the Governor of the State of California on January 17, 2014 issued a proclamation of a state of emergency under the California Emergency Services Act based on drought conditions, and on April 25, 2014 the Governor issued a proclamation of a continued state of emergency based on continued drought conditions;

Whereas, the California State Water Resources Control Board on July 15, 2014 adopted emergency regulations as California Code of Regulations, Title 23, Sections 863, 864, 865 for statewide urban water conservation;

Whereas, the California State Water Resources Control Board on March 17, 2015 adopted Resolution No. 2015-0013 which included the finding that the drought conditions that formed the basis of the Governor's emergency proclamations continue to exist and which adopted emergency regulations that extended and expanded requirements for water conservation and prohibition of certain water uses;

Whereas, the Governor of the State of California on April 1, 2015 issued Executive Order B-29-15 calling for a statewide 25% reduction in potable urban water usage through February 28, 2016;

Whereas, the California State Water Resources Control Board on May 5, 2015 adopted Revisions to the emergency regulations which implement certain provisions of Executive Order B-29-15 by modifying and expanding once again requirements for water conservation and prohibition of certain water uses;

Whereas, the City of Whittier has adopted City of Whittier Final 2010 Urban Water Management Plan (UWMP) which was updated on July 29, 2014 by the City Council's approval of Addendum No. 1, both UWMP and Addendum No. 1 having been prepared by Stetson Engineers, Inc. and both having been approved by the California Department of Water Resources;

Whereas, the UWMP contains a water shortage contingency analysis and provisions for reductions of water use during a water shortage; and

Whereas, Whittier Municipal Code Section 13.24.010, "Restrictions During Emergency", reads:

> "Upon notice published in a daily paper in the city, the director of public works shall have the right to restrict the use of water for sprinkling, wetting, irrigation or construction purposes to such hours and for such time as may be deemed advisable. In the event of any emergency, the director of public works shall have the right, power and authority to turn off the water from any main or mains or pipes of the water system of the city with or without notice. The director of public works is enforced with power or authority to determine when an emergency exists and such discrimination shall be final or until revised at a meeting of the council. In addition to the power given in this section, the council reserves the right in the event of any emergency to turn off the water from any main or mains or pipes of the city either with or without notice and so long a time as the council may deem advisable."

NOW, THEREFORE, I, DAVID A. PELSER, DIRECTOR OF PUBLIC WORKS FOR THE CITY OF WHITTIER DETERMINE THAT:

1. Whittier Municipal Code Section 13.24.010 has empowered the Director of Public Works to determine when an emergency exists and to restrict the use of water for sprinkling, wetting, irrigation or construction purposes;
2. a water emergency exists as evidenced by the Governor's emergency proclamations and Executive Order noted above, and the State Water Resources Control Board emergency regulations apply to the City of Whittier urban water service area and require certain water use restrictions.

BASED ON THE AFOREMENTIONED DETERMINATION:

A. Certain uses of water are hereby prohibited as follows, except where necessary to address an immediate health and safety need or to comply with a term or condition in a permit issued by a state or federal agency:

   1. The application of potable water to outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures;
   2. The use of a hose that dispenses potable water to wash a motor vehicle, except where the hose is fitted with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use;

3. The application of potable water to driveways and sidewalks;
4. The use of potable water in a fountain or other decorative water feature, except where the water is part of a recirculating system;
5. The application of potable water to outdoor landscapes during and within 48 hours after measurable rainfall;
6. The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased;
7. The irrigation with potable water of ornamental turf on public street medians; and
8. The irrigation with potable water of landscapes outside of newly constructed homes and buildings in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development.

B. To promote water conservation, operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently display notice of this option in each guestroom using clear and easily understood language.

C. Outdoor irrigation of ornamental landscapes or turf with potable water by the persons it serves is limited to no more than three days per week. Customers with street addresses ending in an even number are restricted to outdoor irrigation on Mondays, Wednesdays and Saturdays; addresses ending in an odd number are restricted to outdoor irrigation on Tuesdays, Thursdays and Sundays. No outdoor irrigation is allowed on Fridays. Governmental organizations irrigating parks are restricted to irrigating three days per week but may select the specific three days.

These temporary water restrictions due to emergency drought conditions shall remain in effect as long as the State Water Resources Control Board emergency regulations shall remain in effect, or until the Director of Public Works determines that the emergency no longer exists, or until the City Council of the City of Whittier takes action to revise these restrictions.

EXECUTED THIS 15th DAY OF MAY, 2015, AT WHITTIER, CALIFORNIA.

David A. Pelser, PE, BCEE
Director of Public Works

Published: *Whittier Daily News*, May ___, 2015

APPENDIX N

City's Water Rate Schedule

FISCAL YEAR 2014-15

PW

ORDINANCE NO. 3003

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF WHITTIER, CALIFORNIA, ESTABLISHING FEES FOR WATER SERVICES PROVIDED BY THE CITY TO TAKE EFFECT FISCAL YEARS 2013-14 AND 2014-15

WHEREAS, Proposition 218 requires the City to conduct a public hearing not less than forty-five (45) days after mailing a notice of proposed property-related fee increases to record property owners of each identified parcel upon which the fees will be imposed;

WHEREAS, a duly noticed public hearing regarding the proposed increases to fees for water service was conducted on June 11, 2013, at 6:30 p.m. in the City Council Chamber;

WHEREAS, Proposition 218 requires that the City shall not impose the proposed fee if written protests against the proposed fee are presented by a majority of record owners of the identified parcels;

WHEREAS, written protests regarding the proposed water fee increase were accepted from the public and considered before the close of the public hearing;

WHEREAS, a tally of the written protests against the proposed water fee increase shows less than a majority of the record owners of the identified parcels have submitted written protests against the proposed water fee increase;

WHEREAS, a final tally of the written protests submitted and copies of the written protests will be available for review in the City Clerk's Office; and

WHEREAS, the Whittier Municipal Code, section 13.08.010, requires fees for water service to be set by ordinance.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF WHITTIER, CALIFORNIA, DOES ORDAIN AS FOLLOWS:

SECTION 1. That the City Council hereby approves and fixes the rates and charges for any and all water service, which the Whittier Utility Authority has agreed to provide all its users thereof, as set forth in Exhibit A attached hereto and by this reference is made a part hereof.

SECTION 2. Approve the water rates adjustment.

SECTION 3. That this ordinance supersedes all others, or portions thereof, inconsistent with the revisions set forth herein, including Ordinance 2983.

SECTION 3. That the fees set forth in Exhibit A under Fee Schedule 1 shall take effect August 1, 2013, and that the rate charged for water supplied through and registered by meters will apply to all bi-monthly water bills rendered by the City of Whittier after July 31, 2013.

SECTION 4. That the fees set forth in Exhibit A under Fee Schedule 2 shall take effect August 1, 2014, and that the rate charged for water supplied through and registered by meters will apply to all bi-monthly water bills rendered by the City of Whittier after July 31, 2014.

SECTION 5. Any provision of the Whittier Municipal Code or appendices thereto inconsistent with the provisions of the Ordinance, to the extent of such inconsistencies and no further, are repealed or modified to that extent necessary to affect the provisions of this Ordinance.

SECTION 6. If any section, subsection, sentence, clause, phrase, or portion of this Ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance. The City Council of the City of Whittier hereby declares that it would have adopted this Ordinance and each section, subsection, sentence, clause, phrase or portion thereof irrespective of the fact that any one or more sections, subsections, sentences, clauses, phrases, or portions be declared invalid or unconstitutional.

SECTION 7. The Mayor shall sign and the City Clerk shall attest to the passage of this Ordinance. The City Clerk shall cause the same to be published once in the official newspaper within 15 days after its adoption. This Ordinance shall become effective 30 days from its adoption.

APPROVED AND ADOPTED this 25th day of June 2013.

BOB HENDERSON, Mayor

ATTEST:

KATHRYN A. MARSHALL
City Clerk-Treasurer

EXHIBIT A

FEES FOR WATER SERVICE
WHITTIER UTILITY AUTHORITY WATER DIVISION
TO TAKE EFFECT FISCAL YEAR 2013-2014 AND FISCAL YEAR 2014-2015

SECTION (a) The commodity rates to be charged by the Whittier Utility Authority's Water Division for water supplied through its meters shall be, hereby, collected bi-monthly and fixed as follows:

$1.76 per 100 cubic feet (ccf) for potable water
$1.50 per 100 cubic feet (ccf) for reclaimed water

SECTION (b) In addition to the commodity charge a service fee shall be charged as follows:

Meter Size	**Service Fee Per Meter/Per Month**	
	Fee Schedule 1 Effective 8/1/13	**Fee Schedule 2 Effective 8/1/14**
For ¾ inch meter	20.45	28.02
For 1 inch meter	30.55	41.85
For 1 ½ inch meter	67.98	93.13
For 2 inch meter	92.15	126.24
For 3 inch meter	198.06	271.34
For 4 inch meter	268.73	368.15
For 6 inch meter	420.93	576.68
For 8 inch meter	440.18	603.05

SECTION (c) The term "bi-monthly" referred to herein, means the period consisting of two months or approximately sixty (60) days. Regular water meter readings shall be performed on a bi-monthly basis.

SECTION (d) Rates for Construction Purposes. Whenever in the opinion of the Director of Public Works it is necessary to install a meter on a fire hydrant, there shall be a $115.00 fee for the initial installation. If the meter should be moved to other locations from the original installation site, an additional fee of $46.00 will be charged. Rates for water used will be charged as follows:

Service Fee per week	$25.00
Quantity Charge per 100 cu. ft.	$1.76

Contractor shall prepay for all water and service fees based on estimates.

SECTION (e) Private Fire Protection. Pipes provided and installed by the Water Division for private fire protection shall be charged at the cost of material, labor, and

equipment used, plus 45% overhead, which charge shall, wherever it shall be deemed necessary to install a proportional meter, include the cost in case of fire. If any person shall use such fire service for other than fire purposes, the Water Division is hereby authorized and it shall be the duty of the Director of Public Works to collect a fee of $150.00 for each such use, and to enforce this provision by cutting off all water service to the property whereon such use occurs. When water is cut off by virtue of this provision, no further water shall be served to such property until the $150.00 fee is paid, provided that the Whittier Utility Authority may, on application of any person aggrieved by this action of the officers of the Water Division, hereunder remit the charge of such part thereof as may appear just.

SECTION (f) Whenever private fire protection is provided, there shall be a bi-monthly minimum fee of $84 if domestic water service is not provided to the subject property by the Water Division.

SECTION (g) Installation of Services and Meters. Application for water for new houses or any premises not heretofore provided with water, may be made to the Water Division, and must be accompanied by a service fee in the amount prescribed herein for the particular size of service and meter required.

Service pipes will be laid from the main to a point inside the nearest curb line where a curb cock and meter will be installed. Installation and maintenance of all pipe on the property side of the meter shall be performed by the consumer.

Charges collected by the Water Division for installation of services and meters shall constitute service fees, and the service pipes and water meters installed shall remain at all times as property of the Water Division. They shall be maintained, repaired, and renewed by the Water Division when rendered unserviceable through ordinary wear and tear; provided that where replacements, repairs, or adjustments are rendered necessary by any act, negligence, or carelessness of the consumer or any member of his family or any representative or person in his employ, any expense caused to the Water Division thereby shall be charged against and collected from the consumer.

INSTALLATION OF SERVICES AND METERS: Charges for installation of water services and meters shall be as follows:

Meter Size 5/8" x	Service Pipe Unpaved Street	Service Pipe Asphalt Street	Service Pipe Concrete Street	Meter and Box
¾"	$ 675	$1,350	$1,780	$ 270
1"	$ 675	$1,350	$1,780	$ 450
1 ½"	$1,063	$1,462	$1,895	$ 900
"	$1,125	$1,687	$2,060	$1,125

Services larger than 2" shall be charged at the cost of material, labor, and equipment used, plus 94% for supervision and overhead. A deposit for such installations shall be made with the Water Division before any work is commenced. The amount of such deposit shall be determined by the Director of Public Works.

SECTION (h) Turn-on Charges

(1) When a customer's water is turned off for non-payment, the delinquent customer shall pay the amount due plus a turn-on fee of $30.

(2) If a customer has his service shut off for a period of more than fifteen (15) days, then a turn off fee of $30 shall be paid.

(3) If a customer turns on/off his water at the curb cock (at the meter), then a penalty of $150 shall be charged to the customer, except in case of emergency (WMC 13.12.060).

(4) When a customer requests turn-on/turn-off service, the customer shall pay a turn-on/turn-off fee of $30.

SECTION (i) Meter Testing: A fee of $60 shall be made for testing all meters. If the meter is found to be over 2% fast, then the $60 fee shall be refunded.

SECTION (j) Illegal Use of Fire Hydrants: If a person uses a fire hydrant without permission, an inspection fee of $150 shall be paid in addition to any water used.

SECTION (k) Damage to City Lock: If a person damages a City lock placed on the meter due to non-payment, a replacement fee of $75 will be paid in addition to the $150 illegal turn on penalty.

CITY OF WHITTIER)
) SS
STATE OF CALIFORNIA)

I, Kathryn A. Marshall, City Clerk-Treasurer in and for the City of Whittier, California, hereby certify that the foregoing ordinance was duly introduced at a regular meeting of the City Council of the City of Whittier on the 11th day of June 2013, and adopted at a regular meeting of the City Council of the City of Whittier on the 25th day of June 2013 by the following roll call vote:

AYES:	F. Dutra	C. Warner	R.L. Henderson
NOES:	J.A. Vinatieri	O. Newcomer	
ABSENT:	None		

WITNESS my hand and the official seal of the City of Whittier, California, this 2nd day of July 2013.

Kathryn A. Marshall
KATHRYN A. MARSHALL
City Clerk-Treasurer

Published as required by law: July 9, 2013.

FISCAL YEAR 2015-16

ORDINANCE NO. 3035

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF WHITTIER, CALIFORNIA, FIXING RATES AND CHARGES FOR WATER SERVICE FURNISHED BY THE WHITTIER UTILITY AUTHORITY FOR FISCAL YEARS 2015-16 AND 2016-17

WHEREAS, Proposition 218 requires the City to conduct a public hearing not less than forty-five (45) days after mailing a notice of proposed property-related fee increases to record property owners of each identified parcel upon which the fees will be imposed;

WHEREAS, a duly noticed public hearing regarding the proposed increases to fees for water service was conducted on June 9, 2015, at 6:30 p.m. in the City Council Chamber;

WHEREAS, Proposition 218 requires that the City shall not impose the proposed fee if written protests against the proposed fee are presented by a majority of record owners (51%) of the identified parcels;

WHEREAS, written protests regarding the proposed water fee increase were accepted from the public and considered before the close of the public hearing;

WHEREAS, a tally of the written protests against the proposed water fee increase shows less than a majority of the record owners of the identified parcels have submitted written protests against the proposed water fee increase;

WHEREAS, a final tally of the written protests submitted and copies of the written protests will be available for review in the City Clerk's Office; and

WHEREAS, the Whittier Municipal Code, section 13.08.010, requires fees for water service to be set by ordinance.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF WHITTIER, CALIFORNIA, DOES ORDAIN AS FOLLOWS:

SECTION 1. That the City Council hereby approves and fixes the rates and charges for any and all water service, which the Whittier Utility Authority has agreed to provide all its users thereof, as set forth in Exhibit A attached hereto and by this reference is made a part hereof.

SECTION 2. Approve the water rates adjustment.

SECTION 3. That this ordinance supersedes all others, or portions thereof, inconsistent with the revisions set forth herein, including Ordinance 3003.

SECTION 3. That the fees set forth in Exhibit A under Fee Schedule 1 shall take effect September 1, 2015, and that the rate charged for water supplied through and registered by meters will apply to all bi-monthly water bills rendered by the City of Whittier after August 31, 2015.

SECTION 4. That the fees set forth in Exhibit A under Fee Schedule 2 shall take effect August 1, 2016, and that the rate charged for water supplied through and registered by meters will apply to all bi-monthly water bills rendered by the City of Whittier after July 31, 2016.

SECTION 5. Any provision of the Whittier Municipal Code or appendices thereto inconsistent with the provisions of the Ordinance, to the extent of such inconsistencies and no further, are repealed or modified to that extent necessary to affect the provisions of this Ordinance.

SECTION 6. If any section, subsection, sentence, clause, phrase, or portion of this Ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance. The City Council of the City of Whittier hereby declares that it would have adopted this Ordinance and each section, subsection, sentence, clause, phrase or portion thereof irrespective of the fact that any one or more sections, subsections, sentences, clauses, phrases, or portions be declared invalid or unconstitutional.

SECTION 7. The Mayor shall sign and the City Clerk shall attest to the passage of this Ordinance. The City Clerk shall cause the same to be published once in the official newspaper within 15 days after its adoption. This Ordinance shall become effective 30 days from its adoption.

APPROVED AND ADOPTED this 14th day of July 2015.

FERNANDO DUTRA, Mayor

ATTEST:

KATHRYN A. MARSHALL
City Clerk-Treasurer

EXHIBIT A

FEES FOR WATER SERVICE
WHITTIER UTILITY AUTHORITY WATER DIVISION
FISCAL YEAR 2015-2016 AND FISCAL YEAR 2016-2017

SECTION (a) The usage rates to be charged by the Whittier Utility Authority's Water Division for water supplied through its meters shall be, hereby, collected bi-monthly and fixed as follows:

Customer Classification	Meter Size	Block 1 $1.76 per BU	Block 2 $2.50 per BU
Single Family Residential	¾"	Up to 40 BU	Over 40 BU
	1"	Up to 56 BU	Over 56 BU
	1 ½"	Up to 140 BU	Over 140 BU
	2"	Up to 466 BU	Over 466 BU
	3"	Up to 642 BU	Over 642 BU
Multiple Family Residential	All Sizes	Unlimited	N/A
Commercial/ Institutional	All Sizes	Unlimited	N/A
Industrial	All Sizes	Unlimited	N/A
Landscape	¾"	Up to 40 BU	Over 40 BU
	1"	Up to 56 BU	Over 56 BU
	1 ½"	Up to 140 BU	Over 140 BU
	2"	Up to 466 BU	Over 466 BU
	3"	Up to 642 BU	Over 642 BU
	4"	Up to 886 BU	Over 886 BU

SECTION (b) In addition to the usage rate a service fee shall be charged as follows:

Meter Size	Service Fee Per Meter/Per Month	
	Fee Schedule 1 Effective 9/1/15	Fee Schedule 2 Effective 8/1/16
For ¾ inch meter	33.62	40.35
For 1 inch meter	50.22	60.26
For 1 ½ inch meter	111.76	134.11
For 2 inch meter	151.49	181.79
For 3 inch meter	325.61	390.73
For 4 inch meter	441.78	530.14
For 6 inch meter	692.02	830.42
For 8 inch meter	723.66	868.39

SECTION (c) The term "bi-monthly" referred to herein, means the period consisting of two months or approximately sixty (60) days. Regular water meter readings shall be performed on a bi-monthly basis.

SECTION (d) Rates for Construction Purposes. Whenever in the opinion of the Director of Public Works it is necessary to install a meter on a fire hydrant, there shall be a $115.00 fee for the initial installation. If the meter should be moved to other locations from the original installation site, an additional fee of $46.00 will be charged. Rates for water used will be charged as follows:

Service Fee per week	$25.00
Quantity Charge per 100 cu. ft.	$1.76

Contractor shall prepay for all water and service fees based on estimates.

SECTION (e)Private Fire Protection. Pipes provided and installed by the Water Division for private fire protection shall be charged at the cost of material, labor, and equipment used, plus 45% overhead, which charge shall, wherever it shall be deemed necessary to install a proportional meter, include the cost in case of fire. If any person shall use such fire service for other than fire purposes, the Water Division is hereby authorized and it shall be the duty of the Director of Public Works to collect a fee of $150.00 for each such use, and to enforce this provision by cutting off all water service to the property whereon such use occurs. When water is cut off by virtue of this provision, no further water shall be served to such property until the $150.00 fee is paid, provided that the Whittier Utility Authority may, on application of any person aggrieved by this action of the officers of the Water Division, hereunder remit the charge of such part thereof as may appear just.

SECTION (f) Whenever private fire protection is provided, there shall be a bi-monthly minimum fee of $84 if domestic water service is not provided to the subject property by the Water Division.

SECTION (g) Installation of Services and Meters. Application for water for new houses or any premises not heretofore provided with water, may be made to the Water Division, and must be accompanied by a service fee in the amount prescribed herein for the particular size of service and meter required.

Service pipes will be laid from the main to a point inside the nearest curb line where a curb cock and meter will be installed. Installation and maintenance of all pipe on the property side of the meter shall be performed by the consumer.

Charges collected by the Water Division for installation of services and meters shall constitute service fees, and the service pipes and water meters installed shall remain at all times as property of the Water Division. They shall be maintained, repaired, and renewed by the Water Division when rendered unserviceable through ordinary wear and

tear; provided that where replacements, repairs, or adjustments are rendered necessary by any act, negligence, or carelessness of the consumer or any member of his family or any representative or person in his employ, any expense caused to the Water Division thereby shall be charged against and collected from the consumer.

INSTALLATION OF SERVICES AND METERS: Charges for installation of water services and meters shall be as follows:

Meter Size 5/8" x	Service Pipe Unpaved Street	Service Pipe Asphalt Street	Service Pipe Concrete Street	Meter and Box
¾"	$ 675	$1,350	$1,780	$ 270
1"	$ 675	$1,350	$1,780	$ 450
1 ½"	$1,063	$1,462	$1,895	$ 900
"	$1,125	$1,687	$2,060	$1,125

Services larger than 2" shall be charged at the cost of material, labor, and equipment used, plus 94% for supervision and overhead. A deposit for such installations shall be made with the Water Division before any work is commenced. The amount of such deposit shall be determined by the Director of Public Works.

SECTION (h) Turn-on Charges

(1) When a customer's water is turned off for non-payment, the delinquent customer shall pay the amount due plus a turn-on fee of $30.

(2) If a customer has his service shut off for a period of more than fifteen (15) days, then a turn off fee of $30 shall be paid.

(3) If a customer turns on/off his water at the curb cock (at the meter), then a penalty of $150 shall be charged to the customer, except in case of emergency (WMC 13.12.060).

(4) When a customer requests turn-on/turn-off service, the customer shall pay a turn-on/turn-off fee of $30.

SECTION (i) Meter Testing: A fee of $60 shall be made for testing all meters. If the meter is found to be over 2% fast, then the $60 fee shall be refunded.

SECTION (j) Illegal Use of Fire Hydrants: If a person uses a fire hydrant without permission, an inspection fee of $150 shall be paid in addition to any water used.

SECTION (k) Damage to City Lock: If a person damages a City lock placed on the meter due to non-payment, a replacement fee of $75 will be paid in addition to the $150 illegal turn on penalty.

CITY OF WHITTIER)
) SS
STATE OF CALIFORNIA)

I, Kathryn A. Marshall, City Clerk-Treasurer in and for the City of Whittier, California, hereby certify that the foregoing ordinance was duly introduced at a regular meeting of the City Council of the City of Whittier on the 9th day of June 2015, and adopted at a regular meeting of the City Council of the City of Whittier on the 14th day of July 2015 by the following roll call vote:

AYES: C. Warner R.L. Henderson J.A. Vinatieri

NOES: O. Newcomer

ABSENT: F. Dutra

WITNESS my hand and the official seal of the City of Whittier, California, this 17th day of July 2015.

Kathryn A. Marshall
KATHRYN A. MARSHALL
City Clerk-Treasurer

Published as required by law: July 28, 2015.

APPENDIX O

Water Shortage Contingency Resolution

ORDINANCE NO. 2509

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF WHITTIER, COUNTY OF LOS ANGELES STATE OF CALIFORNIA, ESTABLISHING TEMPORARY REGULATIONS ON WATER WASTAGE AND VOLUNTARY 10% REDUCTION IN CONSUMPTION.

SECTION I. The City Council of the City of Whittier hereby finds and determines that:

A. The Water System relies to a considerable extent upon water imported from other part of the state to replenish the water basins;

B. Many parts of the State rely heavily upon the same sources this City relies upon;

C. Rainfall for the current water year has been substantially below normal in the watershed and throughout the State; and

D. These shortages will cause this City, its residents, businesses and industries to suffer adversely because (1) shortages in agricultural and industrial products may occur resulting in higher prices and (2) unemployment and decrease in economic activities may be felt Statewide and, as a consequence, an active water conservation program is essential to protect against drought, and help alleviate Statewide shortages; and

SECTION II. Definitions

For the purposes of this Ordinance, the following terms, phrases, words, and their derivations shall have the meaning given herein. When not inconsistent with the context, words used in the present tense include the future, words in the plural number include the singular number, and words in the singular number include the plural number. The word "shall" is always mandatory and not merely directory.

A. "City" is the City of Whittier

B. "Person" is any individual, firm, partnership, association, company, organization of any kind

C. "Water" is water supplied by the City of Whittier

SECTION III. Application

The provisions of this Ordinance shall apply to all persons using water from the City of Whittier Water System, regardless of whether any person using water shall have contract for water service. Section 4 through 9 are hereby added to the Municipal Code to read as follows:

SECTION IV. Prohibitions

A. Gutter Flooding

No person shall cause or permit any water furnished to any property within the City to run or to escape from any hose, pipe, valve, faucet, sprinkler or irrigation device into any gutter or otherwise to escape from the property if such running or escaping can reasonably be prevented.

B. Washing hard surfaced areas

No person shall use any water furnished to any property within the City to wash sidewalks, walkways, driveways, and parking lots, by hosing.

C. Irrigation

No person shall water or irrigate any shrubbery, trees, lawns, grass, ground covers, plants, vines, gardens, vegetables, flowers, or other vegetation between the hours of 10:00 a.m. and 4:00 p.m.

D. Ornamental facilities

No person shall refill any fountain, pool or other facility containing water solely for ornamental purposes emptied during the effectiveness of this Ordinance.

E. Leaks

No person shall permit leaks of water which he has the authority to eliminate.

F. Restaurants

Restaurants shall only serve water to customers upon request.

G. Waste

No person shall cause or permit water under his control to be wasted.

SECTION V. Exemptions

Persons may be exempted from applications of this Ordinance to a certain type of use if the City Council of the City of Whittier issues a permit allowing such use and if such permit issuance is based on a finding that enforcement of the applicable restriction would either:

(1) cause an unnecessary and undue hardship to the applicant or the public; or

(2) would cause or threaten an emergency condition affecting the health, sanitation, fire protection, or safety of the applicant or the public.

The City may require the use of such water conservation devices or practices as it deems appropriate as a condition of the exemption permit. It shall promulgate a list of approved devices.

SECTION VI. Enforcement

A. Field Services Representative, Office Services Supervisor, Water Operations Manager, Water Supervisor II - Water Distribution, Water Utility Specialist and Water Distribution Inspector have the duty and are hereby authorized to enforce the provisions of the Ordinance and shall have all the powers and authority contained in California Penal Code Section 836.5, including the power to issue written notice to appear.

B. Each law enforcement officer of the City shall, in connection with his duties imposed by law, diligently enforce the provisions of this Ordinance.

SECTION VII. Penalties

Prior to enforcement pursuant to Section 6, any person who is suspected of violating this Ordinance shall be given a preliminary notice in writing of such violation, with the description of violation set forth in such preliminary notices. Such person shall have 24 hours to correct such violation, or terminate the use. If the violation is not corrected or the use terminated, the Public Services Department may forthwith either:

(a) disconnect service, or

(b) install flow-restricting devices restricting water service, or

(e) issue order for second notice.

(Service disconnected or restricted pursuant to (a) or (b) shall be restored only upon payment of the turn-on and other charges fixed by the City Council as provided in the Municipal Code). Any person who has received a preliminary notice of violation of a particular provision of this Ordinance and against whom the City has taken action pursuant to this section and who has not corrected or terminated the use, or at a subsequent time violates the same provisions of this Ordinance, regardless of whether the type of use was previously specified in any preliminary notice of violation, shall be guilty of a misdemeanor, punishable by a fine of not more than $300 or imprisonment in the County jail for not more than 30 days or both such fine and imprisonment.

Each day any violation of this Ordinance is committed or permitted to continue shall constitute a separate offense and shall be punishable as such hereunder.

SECTION VIII. Duration of Ordinance

Unless sooner repealed or amended, this ordinance shall cease to be of any further force or effect after April 1, 1991.

SECTION IX. Non-application of Ordinance

This Ordinance shall be inoperative to the extent any regulations adopted pursuant to Division 1, Chapter 3, of the Water Code conflict.

SECTION X. Severability of parts of Ordinances

It is hereby declared to be the intention of the City Council that the sections, paragraphs, sentences, clauses, and phrases of this Ordinance are severable, and if any phrase, clause, sentence, paragraph, or section of this Ordinance shall be declared unconstitutional or otherwise invalid by the valid judgement or decree of a court of competent jurisdiction, such unconstitutionality or invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Ordinance.

SECTION XI.

The City Clerk is hereby directed to post/publish this Ordinance for the period and in the manner required by the City Council.

PASSED AND APPROVED THIS 7th day of August, 1990

Thomas K. Sawyer
THOMAS K. SAWYER, Mayor

ATTEST:

Gertrude L. Hill
GERTRUDE L. HILL, City Clerk

ORD-23/1120

CITY OF WHITTIER)
) SS
STATE OF CALIFORNIA)

I, Gertrude L. Hill, City Clerk in and for the City of Whittier, California, hereby certify that the above and foregoing is a true and correct copy of Ordinance No. 2509, adopted by the City Council of the City of Whittier in regular session, Tuesday, the 7th day of August, 1990 and same was passed by the following vote:

AYES:	M. D. Claxton	R. F. Woehrmann
	H. M. Rahder	T. K. Sawyer
NOES:	None	
ABSENT:	R. L. Henderson	

WITNESS my hand and the official seal of the City of Whittier this 8th day of August, 1990.

Gertrude L. Hill
GERTRUDE L. HILL, City Clerk

Published according to law: August 14, 1990

ORD-23/4210

APPENDIX P

Water Conservation Communications Plan

Whittier Utility Authority

Agenda Report

Date: July 14, 2015

To: Jeffrey W. Collier, Executive Director

From: David A. Pelser, Director of Public Works

Subject: Water Conservation Communications Plan

RECOMMENDATION

It is recommended the Board of Directors:

1. Approve the proposed water conservation communications plan to reach the target goal of 20% reduction in water usage; and
2. Adopt a resolution (Attachment A) appropriating the necessary funding.

BACKGROUND

On May 26, 2015 the City Council received a report on emergency water conservation measures that resulted from new State regulations. The State Water Resources Control Board (SWRCB) included in its most recent emergency drought regulations a requirement for specific reductions in water use. The City of Whittier water system is required to reduce its water production this summer by 20% as compared to 2013. If these reductions are not achieved, the SWRCB can impose additional requirements on the City. In order to meet this conservation goal of 20% reduction, the City must implement a Communications Plan designed to inform water users. A number of steps have already been implemented and are continuing. However, some tasks will require additional funding not included in the adopted budget. This report presents a proposed comprehensive Water Conservation Communications Plan and requests additional funding required for implementation(Attachment B).

DISCUSSION

A comprehensive approach to community outreach is the most effective way to increase awareness about water conservation and the City's 20% target. For example, mailings, social media, street banners, table set-ups at City events, and the City website will all be utilized in order to reach the largest possible audience.

Strategies

The Department of Public Works proposes the following strategies in order to reach the goal of a 20% reduction in water usage:

Agenda Item: 7.I.

- Mailings to homes and businesses
- Website information with an icon that stays on the front web page
- Social media outreach occasionally on Twitter and Facebook
- Media coverage (print and electronic)
- Street banners
- Community event outreach (Founders Day, Health Faire, park concerts, etc.)
- Printed flyers, postcards, and brochures in English and Spanish

Key Messages

Messaging is an important component of the outreach strategy. Slogans will communicate a simple message with a positive and catchy graphic and will be widely published to emphasize the need to conserve:

"Do you see 20/20?" A 20% reduction is equivalent to saving 20 gallons/person/day. The goal is to reach an average of approximately 83 gallons per person per day including landscape irrigation.

"Cut it in Half" reminds residents to reduce outdoor watering by 50%. Residents will be encouraged to water outdoors less than three times per week even though the recent restrictions currently allow for watering three times per week.

Outreach Materials

Outreach media will include such tools as Chamber of Commerce communications for outreach to businesses, water bill messages, postcards, flyers, lawn signs, message boards and kiosks, cable television announcements, social media, a conservation hotline, door hangers, landscaping classes, direct mail to high usage residents, and home visits to maximize message visibility (Attachment C). These are summarized below.

Chamber Communications: The City will provide helpful information for businesses through the Chamber of Commerce to advise them of programs and incentives for water conservation. City staff has already met with Chamber and shared printed materials for hotels and restaurants.
Cost: Staff provided to material to the Chamber at no charge. Material was provided by Central Basin Municipal Water District.
Schedule: June 1 and ongoing

Water Bill Message: The City will place a short message in every water bill over the next two-month cycle.
Cost: $500

Schedule: First water bill message went out in May/June bills

Postcard Magnet: The 11,800 Whittier water customer households will receive a conservation message magnet with City contact information.
Cost: $5,300
Schedule: August 2015

Fliers: A third-sheet flier can be distributed as a postcard.
Cost: $5,000
Schedule: August 2015

Lawn Signs: Signs promoting water conservation can be displayed in street medians, parks, facilities, schools, and residences.
Cost: $8,000
Schedule: August 2015

Street Banners: A large horizontal banner can be hung over Whittier Boulevard and Greenleaf Avenue.
Cost: $4,000
Schedule: August 2015

Message Boards: Conservation fliers can be posted on message boards and kiosks at City facilities. Information will include watering restrictions, tips to save water, and water saving incentives.
Cost: $1,000
Schedule: July 2015

City TV3: Public service announcements and videos are now showing on City TV3.
Cost: $500 for graphic design
Schedule: Ongoing

Social Media: Paralleling City news releases, a social media campaign will be launched on Facebook and Twitter to inform followers of the City's water conservation efforts including links to websites for more information.
Cost: No additional cost
Schedule: Ongoing

Conservation Hotline: A conservation email and telephone number can be publicized as a resource for residents and businesses to contact with questions about water use and to report water waste.
Cost: No additional cost
Schedule: ongoing

Door Hangers: A printed notice can be used to educate residents and businesses with important water conservation information.
Cost: $1,000
Schedule: Ongoing

Landscape Classes: California-friendly landscape training classes are available online at bewaterwise.com. The classes target home gardeners and landscape professionals with the latest in water use. Central Basin Municipal Water District also hosts free classes in the area.
Cost: No additional cost
Schedule: Ongoing

Electronic Sign: The City could purchase a trailer-mounted programmable electronic sign and post it in temporary street locations throughout the community, changing the conservation message as appropriate.
Cost: $20,000
Schedule: August, 2015 and ongoing

Reminder Letters: The City can mail a letter to observed water wasters reminding them to conserve and reviewing penalties for noncompliance.
Cost: $1,000
Schedule: July 2015 and ongoing

Landscaping Guide: The City can produce a drought guide for landscaping residential and commercial properties after City regulations are reviewed for front yard landscapes. The guide can be available at public counters and community events.
Cost: $1,000
Schedule: October 2015, or after WMC Updates

Speakers Bureau: Public Works has developed a presentation for clubs and community groups to discuss conservation in Whittier.
Cost: No additional cost
Schedule: Available upon request

Translation: Spanish translation services may be needed for some printed materials.
Cost: $1,000
Schedule: As needed

Direct Mail: The City can fund an advertisement in the Parks, Recreation and Community Services brochure to advocate water conservation.
Cost: $1,000
Schedule: Fall 2015

Water Ambassadors/Neighborhood Outreach: Summer interns/part time employees to visit neighborhoods to attend community functions with brochures and education material to advocate water conservation.
Cost: $5,000
Schedule: Fall 2015

FISCAL IMPACT

The proposed Water Conservation Communications Plan is estimated at $54,300. With the adoption of the attached Resolution $54,300 will be available in the following accounts to fund the Plan.

Budget Code	Account	Account Description	Amount
420-30-341-841	619000	Water Admin-Other Professional Services	$1,000
420-30-341-841	513000	Water Admin-Temporary Extra Help	$5,000
420-30-341-841	670030	Water Admin-Functional Supplies	$23,000
420-30-341-841	675010	Water Admin-Postage	$5,300
420-30-341-841	845080	Water Admin-Water Maintenance Equipment	$20,000
		Total	$54,300

Submitted by:

David A. Pelser
Director of Public Works

Prepared by:

Hye Jin Lee
Assistant Director of Public Works

Attachments: A - Resolution
B – Conservation Communication Budget
C – Sample Materials

ATTACHMENT A

RESOLUTION NO. WUA

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE WHITTIER UTILITY AUTHORITY, AMENDING THE FISCAL YEAR 2015–16 BUDGET TO FUND THE WATER CONSERVATION COMMUNICATIONS PLAN

WHEREAS, the State Water Resources Control Board in its most recent emergency drought regulations a requirement for specific reductions in water use;

WHEREAS, the City of Whittier water system is required to reduce its water production during summer 2015 by 20% as compared to 2013;

WHEREAS, if the reductions in water production are not achieved the State Water Resources Control Board can impose additional requirements on the City;

WHEREAS, in order to meet the conservation goal of a 20% reduction, the City must implement a Water Conservation Communications Plan designed to inform water users;

WHEREAS, an appropriation is necessary to fund the Water Conservation Communications Plan;

WHEREAS, sufficient funds exist in the Water Fund; and

WHEREAS, it is necessary to amend the FY 2015–16 Budget.

NOW THEREFORE, THE BOARD OF DIRECTORS OF THE WHITTIER UTILITY AUTHORITY DOES RESOLVE AS FOLLOWS:

SECTION 1. The following supplemental appropriations shall be added to the 2015 – 2016 Budget.

Budget Code	Account	Account Description	Amount
420-30-341-841	619000	Water Administration-Other Professional Services	$1,000
420-30-341-841	513000	Water Administration-Temporary Extra Help	$5,000
420-30-341-841	670030	Water Administration-Functional Supplies	$23,000
420-30-341-841	675010	Water Administration-Postage	$5,300

420-30-341-841	845080	Water Administration-Water Maintenance Equipment	$20,000
		Total	$54,300

SECTION 2. The Secretary-Treasurer shall certify to the passage and adoption hereof.

APPROVED AND ADOPTED this ____ day of _____ 2015.

FERNANDO DUTRA, Chair

ATTEST:

KATHRYN A. MARSHALL
Secretary-Treasurer

Communication/Outreach Summary at a glance

Message: **Do you see 20/20? 20% conservation = 20 gal/person/day**

No	Outreach Media	Cost	Schedule	Progress
1	Chamber Communications (Free material from Central Basin)	$0	May/June	Complete
2	Water Bill Messages	$500	May/June	Complete
3	Postcard with magnetic backing	$5,300	ASAP	on going
4	Flyers on Water Conservation	$5,000	ASAP	
5	Lawn Signs	$8,000	ASAP	
6	Street Banner on Whittier Blvd	$4,000	ASAP	
7	Parks/Libraries message boards/kiosks	$1,000	ASAP	
8	Cable Television	$500	on going	on going
9	Social Media: Facebook & Twitter	$0	as needed	as needed
10	Conservation Hotline/Email/Water Waster report	$0	on going	on going
11	Door Hangers	$1,000	ASAP	
12	CA Friendly Landscape Training Classes (Central Basin)	$0	on going	on going
13	Trailer Mounted Changeable Message Sign	$20,000	ASAP	
14	Letter to water wasters - Direct Mailing	$1,000	on going	
15	Drought Guide for Landscaping Education	$1,000	ASAP	
16	Power Point speaking engagements	$0	ASAP	
17	Canvass neighborhoods	$5,000	ASAP	
18	Spanish Translation services	$1,000	ASAP	
19	Page in Parks/Rec Brochure (Fall Edition)	$1000	ASAP	
	Total Estimated Cost	**$54,300**		

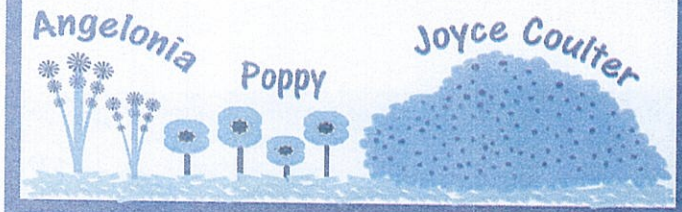
CITY OF WHITTIER

SAVE OUR WATER

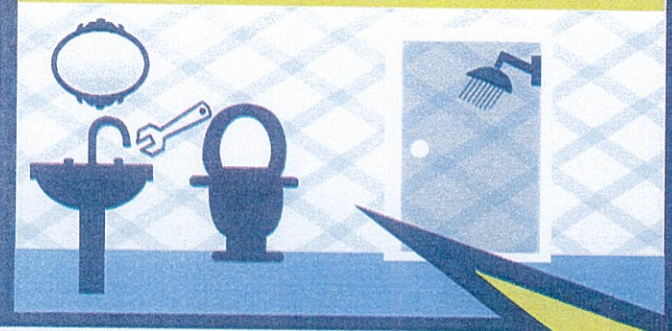
CITY OF WHITTIER CALIFORNIA
INC. 1898

ATTACHMENT C

AU NATUREL



BE A HERO, FIX A LEAK



SWEEP IT CLEAN

We're in a drought.

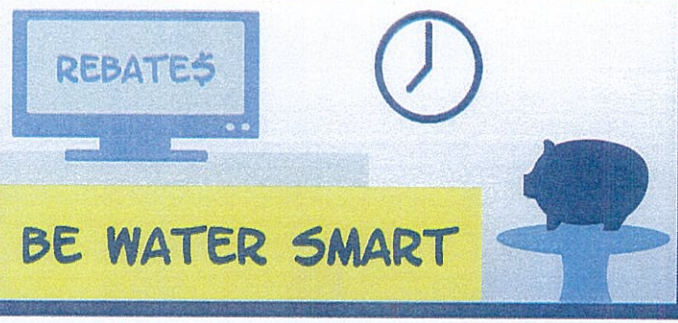
Be a part of the SOLUTION!

MESSAGE BROUGHT BY:

Central Basin
Municipal Water District

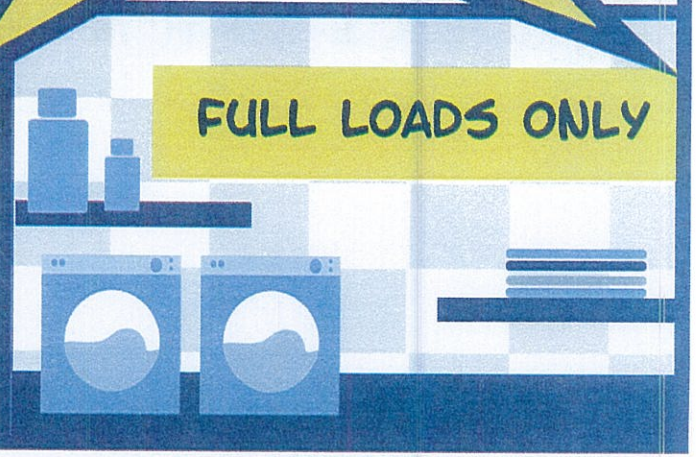
CITY OF WHITTIER CALIFORNIA INC. 1898

BE MONEY SMART



BE WATER SMART

FULL LOADS ONLY



Whittier is conserving *water.*

Join us & be a part of the *solution.*

Central Basin
Municipal Water District

IN A DROUGHT SHUT YOUR TAP!

CITY OF WHITTIER CALIFORNIA INC. 1898

APPENDIX Q

CBMWD's School Education Program

PARTICIPATION IN CENTRAL BASIN MUNICIPAL WATER DISTRICT'S

SCHOOL EDUCATION PROGRAM

JANUARY 2010 – DECEMBER 2015

Program Name	Date	School Name	Grade Level	No. of Students
Water Squad Investigations	4/29/11	Longfellow Elementary	4	35
	5/6/11	Longfellow Elementary	4	35
	12/2/11	Lake Marie Elementary	5	35
	12/16/11	Lake Marie Elementary	5	35
	3/23/12	La Colima Elementary	5	35
	4/27/12	Los Nietos Intermediate	7-8	35
	5/11/12	Monte Vista Elementary	6	35
	1/18/13	Mill Elementary	4	35
	1/25/13	Mill Elementary	4	35
	5/17/13	Loma Vista Elementary	5	35
	9/20/13	Loma Vista Elementary	5	35
	10/25/13	Lake Marie Elementary	4-5	35
	1/10/14	Mill Elementary	4	35
	4/4/14	Carmela Elementary	4	35
	1/23/15	Loma Vista Elementary	5	35
	3/3/15	McKibben Elementary	5	35
	5/1/15	Nelson Elementary	5-6	35
	5/8/15	Nelson Elementary	5-6	35
	9/25/15	Phelan Elementary	5	35
	10/2/15	Phelan Elementary	5	35
	12/4/15	Loma Vista Elementary	5	35
Water Wanderings	3/11/10	McKibben Elementary	4-5	105
	3/12/10	McKibben Elementary	4-5	105
	5/19/10	La Colima Elementary	4-5	105
	5/20/10	La Colima Elementary	4-5	105
	10/13/11	Mill Elementary	4-5	105
	5/24/11	La Colima Elementary	4-5	105
	5/25/11	La Colima Elementary	4-5	105
	10/25/12	Mill Elementary	4-5	105
	4/26/13	McKibben Elementary	4-5	105
	10/17/13	Mill Elementary	4-5	105

	11/22/13	La Colima Elementary	4-5	105
	1/10/14	McKibben Elementary	4-5	105
	2/20/14	Phelan Elementary	4-5	105
	5/8/14	Hoover Elementary	4-5	105
	5/22/14	Carmela Elementary	4-5	105
	3/5/15	Loma Vista Elementary	4-5	105
	3/19/15	McKibben Elementary	4-5	105
Think Water! It's Magic	5/14/13	Ceres Elementary	K-5	100
	5/28/13	Evergreen Elementary	K-5	100
Think Earth! It's Magic	3/10/10	Hoover Elementary	K-5	105
	3/26/10	Jordan Elementary	K-5	665
	4/23/10	Mill Elementary Elementary	K-5	560
	2/18/11	Orange Grove Elementary	K-5	665
	3/16/11	McKibben Elementary	K-5	490
	3/22/13	Lake Marie Elementary	K-5	210
	4/24/14	Loma Vista Elementary	K-5	840
Think Watershed	3/18/10	Monte Vista Elementary	4-6	70
	5/14/10	Ceres Elementary	4-6	70
	5/19/10	Loma Vista Elementary	4-6	70
	5/24/10	Loma Vista Elementary	4-6	70
	5/26/10	Ceres Elementary	4-6	70
	2/8/11	Monte Vista Elementary	4-6	70
	3/3/11	Loma Vista Elementary	4-6	70
	3/30/11	Lake Marie Elementary	4-6	70
	3/31/11	Lake Marie Elementary	4-6	70
	3/3/12	Loma Vista Elementary	4-6	70
	3/30/12	Lake Marie Elementary	4-6	70
	3/31/12	Lake Marie Elementary	4-6	70
	10/1/12	Ceres Elementary	4-6	70
	10/5/12	La Colima Elementary	4-6	70
	10/11/12	La Colima Elementary	4-6	70
Sewer Science	12/6-12/10/10	Whittier Christian High School	9-12	175
	1/13-1/17/14	La Serna High School	9-12	70
	2/3-2/7/14	California High School	9-12	35
	3/10-3/14/14	La Serna High School	9-12	140

APPENDIX R

Notice of Public Hearing

City of Whittier
CITY CLERK-TREASURER DEPARTMENT
13230 Penn Street, Whittier, California 90602-1716
(562) 567-9850 Fax (562) 567-2870 www.cityofwhittier.org

NOTICE OF PUBLIC HEARING

Notice is hereby given that the City of Whittier and Whittier Utility Authority (WUA) will hold a joint meeting and conduct a public hearing on Tuesday, May 24, 2016, at 6:30 p.m., or as soon thereafter as the matter can be heard, in the Whittier City Council Chamber, City Hall, 13230 Penn Street, Whittier, California. At the public hearing, the City Council and WUA will receive public input in accordance with Sections 10610 through 10656 of the California Water Code and consider adopting the 2015 Urban Water Management Plan (UWMP).

Any person with an interest in this matter is invited to attend said hearing and testify on all matters related thereto. The 2015 Urban Water Management Plan is available for public inspection at the City Clerk-Treasurer's office located on the first floor of City Hall at the address listed above. Additionally, anyone wishing to provide written comments prior to the meeting may also direct those correspondences to the City Clerk-Treasurer.

Should you have any questions or would like to inspect a copy, please contact Kyle Cason at (562) 567-9511.

Kathryn A. Marshall
City Clerk -Treasurer

Publish: May 13, 2016
May 20, 2016

Mail: May 13, 2016

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Kathryn A. Marshall
City Clerk-Treasurer

5/13/16

Legal Notice | Legal Notice | Legal Notice

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Kathryn A. Marshall
City Clerk -Treasurer

Publish: May 13, 2016
May 20, 2016

Mail: May 13, 2016
Whittier Daily News

Ad#802171

Legal Notice | Legal Notice | Legal Notice

APPENDIX S

Resolution Adopting the 2015 Urban Water Management Plan

RESOLUTION NO. WUA -16-01

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE WHITTIER UTILITY AUTHORITY TO ADOPT THE 2015 WHITTIER URBAN WATER MANAGEMENT PLAN

WHEREAS, the Urban Water Management Plan Act (AB797, 1983) requires each urban water supplier providing water for municipal purposes, either directly or indirectly to more than 3,000 customers, or supplying more than 3,000 acre-feet of water annually, shall prepare, update and adopt its Urban Water Management Plan at least once every five years;

WHEREAS, the purpose of the Urban Water Management Plan is to establish a plan for water conservation and develop other water management strategies to help use water resources efficiently;

WHEREAS, the Whittier Utility Authority adopted Resolution No. WUA 11-02 approving the 2010 Whittier Urban Water Management Plan; and

WHEREAS, the Whittier Utility Authority conducted a duly noticed public hearing to receive comments on the 2015 Whittier Urban Water Management Plan.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE WHITTIER UTILITY AUTHORITY DOES RESOLVE AS FOLLOWS:

SECTION 1. To adopt the 2015 Whittier Urban Water Management Plan.

SECTION 2. The Secretary-Treasurer shall certify to the passage and adoption hereof.

APPROVED AND ADOPTED this 24th day of May 2016.

JOSEPH A. VINATIERI, Chair

ATTEST:

KATHRYN A. MARSHALL
Secretary-Treasurer

O:/Council Reports/Water/Agenda reports2016/RESO-2015 UWMP Update

CITY OF WHITTIER)
) SS
STATE OF CALIFORNIA)

I, Kathryn A. Marshall, Secretary-Treasurer in and for the Whittier Utility Authority, hereby certify that the foregoing resolution was duly adopted at a regular meeting of the Whittier Utility Authority held on the 24th day of May 2016 by the following roll call vote:

AYES:	F. Dutra	J. Alvarado
	R.L. Henderson	J.A. Vinatieri
NOES:	None	
ABSENT:	C. Warner	

WITNESS my hand and the official seal of the Whittier Utility Authority this 26th day of May 2016.

Kathryn A. Marshall

KATHRYN A. MARSHALL
Secretary-Treasurer

APPENDIX T

Completed Plan Checklist

Checklist Arranged by Water Code Section

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location *(Optional Column for Agency Use)*
10608.20(b)	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	**Section 5.7**
10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	Baselines and Targets	Chapter 5 and App E	**Chapter 5 Appendix T**
10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.7.2	**Section 5.7.2**
10608.24(a)	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	**Section 5.8**
10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Section 5.8.2	**Section 5.8.2**
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	**Section 10.3**
10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	Section 5.1	**Not Applicable**
10608.40	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	**Section 5.8**
10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Section 2.1	**Section 2.1**
10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.5.2	**Section 2.5.2**

10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.4	**Section 7.4**
10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	**Section 10.2.1**
10621(d)	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	**Sections 10.3.1 and 10.4**
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	**Section 3.1**
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	**Section 3.3**
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	**Sections 3.4 and 5.4**
10631(a)	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	**Section 3.4**
10631(a)	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	**Section 3.4**
10631(b)	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	**Chapter 6**
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	**Section 6.2**
10631(b)(1)	Indicate whether a groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	**Section 6.2.2**
10631(b)(2)	Describe the groundwater basin.	System Supplies	Section 6.2.1	**Section 6.2.1**
10631(b)(2)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	**Section 6.2.2**
10631(b)(2)	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	**Section 6.2.3**
10631(b)(3)	Provide a detailed description and analysis of the location, amount, and sufficiency of	System Supplies	Section 6.2.4	**Section 6.2.4**

	groundwater pumped by the urban water supplier for the past five years			
10631(b)(4)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	**Sections 6.2 and 6.9**
10631(c)(1)	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	**Section 7.1**
10631(c)(1)	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	**Section 7.2**
10631(c)(2)	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	**Section 7.1**
10631(d)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	**Section 6.7**
10631(e)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	**Section 4.2**
10631(e)(3)(A)	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	**Section 4.3**
10631(f)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	**Sections 9.2 and 9.3**
10631(f)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and 9.3	**Not Applicable**
10631(g)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years.	System Supplies	Section 6.8	**Section 6.8**
10631(h)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	**Section 6.6**
10631(i)	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	**Section 9.5**
10631(j)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) – if any - with water use	System Supplies	Section 2.5.1	**Section 2.5.1**

	projections from that source.			
10631(j)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.5.1	**Not Applicable**
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	**Section 4.5**
10632(a) and 10632(a)(1)	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	**Section 8.1**
10632(a)(2)	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	**Section 8.9**
10632(a)(3)	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	**Section 8.8**
10632(a)(4)	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	**Section 8.2**
10632(a)(5)	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	**Section 8.4**
10632(a)(6)	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	**Section 8.3**
10632(a)(7)	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	**Section 8.6**
10632(a)(8)	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	**Section 8.7**
10632(a)(9)	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	**Section 8.5**
10633	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	**Section 6.5.1**
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of	System Supplies (Recycled Water)	Section 6.5.2	**Section 6.5.2**

	wastewater collected and treated and the methods of wastewater disposal.			
10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.5.2.2	**Section 6.5.2.2**
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	**Section 6.5.3 and 6.5.4**
10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.5.4	**Section 6.5.4**
10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.5.4	**Section 6.5.4**
10633(f)	Describe the actions which may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System Supplies (Recycled Water)	Section 6.5.5	**Section 6.5.5**
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	**Section 6.5.5**
10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.1	**Section 7.1**
10635(a)	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.3	**Section 7.3**
10635(b)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	**Section 10.4.4**
10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.	Plan Preparation	Section 2.5.2	**Section 2.5.2**
10642	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	**Sections 10.2.2, 10.3, and 10.5**

	about the plan.			
10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Sections 10.2.1	**Sections 10.2.1**
10642	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	**Section 10.3.1**
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	**Section 10.4.3**
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	**Section 10.4.4**
10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	**Sections 10.4.1 and 10.4.2**
10645	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	**Section 10.5**

Checklist Arranged by Subject

CWC Section	UWMP Requirement	Subject	Guidebook Location	UWMP Location *(Optional Column for Agency Use)*
10620(b)	Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.	Plan Preparation	Section 2.1	**Section 2.1**
10620(d)(2)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan Preparation	Section 2.5.2	**Section 2.5.2**
10642	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.	Plan Preparation	Section 2.5.2	**Section 2.5.2**
10631(a)	Describe the water supplier service area.	System Description	Section 3.1	**Section 3.1**
10631(a)	Describe the climate of the service area of the supplier.	System Description	Section 3.3	**Section 3.3**
10631(a)	Provide population projections for 2020, 2025, 2030, and 2035.	System Description	Section 3.4	**Section 3.4**
10631(a)	Describe other demographic factors affecting the supplier's water management planning.	System Description	Section 3.4	**Section 3.4**
10631(a)	Indicate the current population of the service area.	System Description and Baselines and Targets	Sections 3.4 and 5.4	**Sections 3.4 and 5.4**
10631(e)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System Water Use	Section 4.2	**Section 4.2**
10631(e)(3)(A)	Report the distribution system water loss for the most recent 12-month period available.	System Water Use	Section 4.3	**Section 4.3**
10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the supplier.	System Water Use	Section 4.5	**Section 4.5**
10608.20(b)	Retail suppliers shall adopt a 2020 water use target using one of four methods.	Baselines and Targets	Section 5.7 and App E	**Section 5.7**
10608.20(e)	Retail suppliers shall provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along	Baselines and Targets	Chapter 5 and App E	**Chapter 5**

	with the bases for determining those estimates, including references to supporting data.			
10608.22	Retail suppliers' per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use of the 5 year baseline. This does not apply if the suppliers base GPCD is at or below 100.	Baselines and Targets	Section 5.7.2	**Section 5.7.2**
10608.24(a)	Retail suppliers shall meet their interim target by December 31, 2015.	Baselines and Targets	Section 5.8 and App E	**Section 5.8**
10608.24(d)(2)	If the retail supplier adjusts its compliance GPCD using weather normalization, economic adjustment, or extraordinary events, it shall provide the basis for, and data supporting the adjustment.	Baselines and Targets	Section 5.8.2	**Section 5.8.2**
10608.36	Wholesale suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their retail water suppliers achieve targeted water use reductions.	Baselines and Targets	Section 5.1	**Not Applicable**
10608.40	Retail suppliers shall report on their progress in meeting their water use targets. The data shall be reported using a standardized form.	Baselines and Targets	Section 5.8 and App E	**Section 5.8**
10631(b)	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, 2030, and 2035.	System Supplies	Chapter 6	**Chapter 6**
10631(b)	Indicate whether groundwater is an existing or planned source of water available to the supplier.	System Supplies	Section 6.2	**Section 6.2**
10631(b)(1)	Indicate whether a groundwater management plan has been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System Supplies	Section 6.2.2	**Section 6.2.2**
10631(b)(2)	Describe the groundwater basin.	System Supplies	Section 6.2.1	**Section 6.2.1**
10631(b)(2)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the supplier has the legal right to pump.	System Supplies	Section 6.2.2	**Section 6.2.2**
10631(b)(2)	For unadjudicated basins, indicate whether or not the department has identified the basin as overdrafted, or projected to become overdrafted. Describe efforts by the supplier to eliminate the long-term overdraft condition.	System Supplies	Section 6.2.3	**Section 6.2.3**
10631(b)(3)	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	System Supplies	Section 6.2.4	**Section 6.2.4**

10631(b)(4)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System Supplies	Sections 6.2 and 6.9	**Sections 6.2 and 6.9**
10631(d)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System Supplies	Section 6.7	**Section 6.7**
10631(g)	Describe the expected future water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years.	System Supplies	Section 6.8	**Section 6.8**
10631(h)	Describe desalinated water project opportunities for long-term supply.	System Supplies	Section 6.6	**Section 6.6**
10631(j)	Retail suppliers will include documentation that they have provided their wholesale supplier(s) – if any - with water use projections from that source.	System Supplies	Section 2.5.1	**Section 2.5.1**
10631(j)	Wholesale suppliers will include documentation that they have provided their urban water suppliers with identification and quantification of the existing and planned sources of water available from the wholesale to the urban supplier during various water year types.	System Supplies	Section 2.5.1	**Not Applicable**
10633	For wastewater and recycled water, coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.1	**Section 6.5.1**
10633(a)	Describe the wastewater collection and treatment systems in the supplier's service area. Include quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	System Supplies (Recycled Water)	Section 6.5.2	**Section 6.5.2**
10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System Supplies (Recycled Water)	Section 6.5.2.2	**Section 6.5.2.2**
10633(c)	Describe the recycled water currently being used in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.3 and 6.5.4	**Section 6.5.3 and 6.5.4**
10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System Supplies (Recycled Water)	Section 6.5.4	**Section 6.5.4**
10633(e)	Describe the projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	System Supplies (Recycled Water)	Section 6.5.4	**Section 6.5.4**
10633(f)	Describe the actions which may be taken to	System Supplies	Section 6.5.5	**Section 6.5.5**

	encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	(Recycled Water)		
10633(g)	Provide a plan for optimizing the use of recycled water in the supplier's service area.	System Supplies (Recycled Water)	Section 6.5.5	**Section 6.5.5**
10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water Supply Reliability Assessment	Section 7.4	**Section 7.4**
10631(c)(1)	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage.	Water Supply Reliability Assessment	Section 7.1	**Section 7.1**
10631(c)(1)	Provide data for an average water year, a single dry water year, and multiple dry water years	Water Supply Reliability Assessment	Section 7.2	**Section 7.2**
10631(c)(2)	For any water source that may not be available at a consistent level of use, describe plans to supplement or replace that source.	Water Supply Reliability Assessment	Section 7.1	**Section 7.1**
10634	Provide information on the quality of existing sources of water available to the supplier and the manner in which water quality affects water management strategies and supply reliability	Water Supply Reliability Assessment	Section 7.1	**Section 7.1**
10635(a)	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years.	Water Supply Reliability Assessment	Section 7.3	**Section 7.3**
10632(a) and 10632(a)(1)	Provide an urban water shortage contingency analysis that specifies stages of action and an outline of specific water supply conditions at each stage.	Water Shortage Contingency Planning	Section 8.1	**Section 8.1**
10632(a)(2)	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency.	Water Shortage Contingency Planning	Section 8.9	**Section 8.9**
10632(a)(3)	Identify actions to be undertaken by the urban water supplier in case of a catastrophic interruption of water supplies.	Water Shortage Contingency Planning	Section 8.8	**Section 8.8**
10632(a)(4)	Identify mandatory prohibitions against specific water use practices during water shortages.	Water Shortage Contingency Planning	Section 8.2	**Section 8.2**
10632(a)(5)	Specify consumption reduction methods in the most restrictive stages.	Water Shortage Contingency Planning	Section 8.4	**Section 8.4**
10632(a)(6)	Indicated penalties or charges for excessive use, where applicable.	Water Shortage Contingency Planning	Section 8.3	**Section 8.3**

10632(a)(7)	Provide an analysis of the impacts of each of the actions and conditions in the water shortage contingency analysis on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts.	Water Shortage Contingency Planning	Section 8.6	**Section 8.6**
10632(a)(8)	Provide a draft water shortage contingency resolution or ordinance.	Water Shortage Contingency Planning	Section 8.7	**Section 8.7**
10632(a)(9)	Indicate a mechanism for determining actual reductions in water use pursuant to the water shortage contingency analysis.	Water Shortage Contingency Planning	Section 8.5	**Section 8.5**
10631(f)(1)	Retail suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand Management Measures	Sections 9.2 and 9.3	**Sections 9.2 and 9.3**
10631(f)(2)	Wholesale suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and supplier assistance program.	Demand Management Measures	Sections 9.1 and 9.3	**Not Applicable**
10631(i)	CUWCC members may submit their 2013-2014 CUWCC BMP annual reports in lieu of, or in addition to, describing the DMM implementation in their UWMPs. This option is only allowable if the supplier has been found to be in full compliance with the CUWCC MOU.	Demand Management Measures	Section 9.5	**Section 9.5**
10608.26(a)	Retail suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets.	Plan Adoption, Submittal, and Implementation	Section 10.3	**Section 10.3**
10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.	Plan Adoption, Submittal, and Implementation	Section 10.2.1	**Section 10.2.1**
10621(d)	Each urban water supplier shall update and submit its 2015 plan to the department by July 1, 2016.	Plan Adoption, Submittal, and Implementation	Sections 10.3.1 and 10.4	**Sections 10.3.1 and 10.4**
10635(b)	Provide supporting documentation that Water Shortage Contingency Plan has been, or will be, provided to any city or county within which it provides water, no later than 60 days after the submission of the plan to DWR.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	**Section 10.4.4**
10642	Provide supporting documentation that the urban water supplier made the plan available for public inspection, published notice of the public hearing, and held a public hearing	Plan Adoption, Submittal, and Implementation	Sections 10.2.2, 10.3, and 10.5	**Sections 10.2.2, 10.3, and 10.5**

	about the plan.			
10642	The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water.	Plan Adoption, Submittal, and Implementation	Sections 10.2.1	**Sections 10.2.1**
10642	Provide supporting documentation that the plan has been adopted as prepared or modified.	Plan Adoption, Submittal, and Implementation	Section 10.3.1	**Section 10.3.1**
10644(a)	Provide supporting documentation that the urban water supplier has submitted this UWMP to the California State Library.	Plan Adoption, Submittal, and Implementation	Section 10.4.3	**Section 10.4.3**
10644(a)(1)	Provide supporting documentation that the urban water supplier has submitted this UWMP to any city or county within which the supplier provides water no later than 30 days after adoption.	Plan Adoption, Submittal, and Implementation	Section 10.4.4	**Section 10.4.4**
10644(a)(2)	The plan, or amendments to the plan, submitted to the department shall be submitted electronically.	Plan Adoption, Submittal, and Implementation	Sections 10.4.1 and 10.4.2	**Sections 10.4.1 and 10.4.2**
10645	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the supplier has or will make the plan available for public review during normal business hours.	Plan Adoption, Submittal, and Implementation	Section 10.5	**Section 10.5**