

**Certification of Self-Certified Conservation Standard**

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**Certification of Self-Certified Conservation Standard Form**

I hereby certify that: **Whittier** City of

1. I will oversee, review, and take full responsibility for the completeness and accuracy of all data submitted to the State Water Resources Control Board as part of the reporting required pursuant to California Code of Regulations, title 23, section 864.5, subdivisions (a)(3) and (h);
2. I have the authority to make the aforesaid certifications on behalf of

**Whittier** City of

I acknowledge that submitting any information required by California Code of Regulations, title 23, section 864.5, including this certification, that I know or should know to be materially false is a violation punishable by civil liability of up to five hundred dollars (\$500) for each day in which the violation occurs. Every day that the error goes uncorrected constitutes a separate violation. Civil liability for the violation is in addition to, and does not supersede or limit, any other remedies, civil or criminal.

Printed Name	Jared Macias
Title <i>(General Manager or equivalent)</i>	Water Manager
Signature	
Date	6/21/16
Email Address	jmacias@cityofwhittier.org
Phone Number	562-567-9549

Please print, sign and submit completed form and upload the form to this weblink (see Step 5 of the online form): <http://drinc.ca.gov/dnn/applications/publicwatersystems/waterreliabilitycertification.aspx>

**If using local groundwater sources, answer questions below**

Complete only if relying on local groundwater for a portion of supply ( not brackish groundwater desalination or banking)

**Do you know the volume of water in the aquifer that is in your source(s) of groundwater?**

Pick one:

Optional notes and comments:

Main San Gabriel Basin volume: 7,400,000AF

**How frequently are groundwater elevations monitored?**

Pick one:

Optional notes and comments:

Main San Gabriel Basin groundwater elevations are measured daily by Main San Gabriel Basin Watermaster. City of Whittier staff measures groundwater elevations at our wells monthly.

**At what depth is/was your water table? (in feet) Do not average values for multiple basins, management zones, or wells.**

*If there are multiple wells, enter the depth for the source where the largest portion of supply comes from; itemize information in the notes or supply*

In June 2016  feet

In June 2013  feet

Optional notes and comments:

Depth measured at Well 16 which is where the largest portion of our supply comes from.

**How many feet can you withdraw without substantially affecting your ability to pump water? (in feet)**

*If there are multiple wells, enter the depth for the source where the largest portion of supply comes from as a representative well; provide additic*

feet

*Optional notes and comments:*

At a groundwater level of 70 feet in our Main Basin wells, we would substantially lose our ability to pump water.

**Do you have groundwater that you expect to sell or distribute to another water supplier that is not accounted for in your calculations?**

*Pick one:*

*Describe:*

>>> Thank you.

## Worksheet 1 : Total available water supply for individual water supplier

### Step 2 of Water Supply Reliability Certification and Data Submission Form

Whittier City of << Enter name of urban water supplier

**User Input Instructions**

- (1) Please select units of measure from the dropdown menu.
- (2) Enter information on available water supplies and supplies committed to other uses.

**LEGEND:**

User Input or Selection	
Linked from User Input	

acre feet (AF) << Select units of measure

**Available Water Supplies**

Sources of Supply	Name of Provider(s) or Description	Source used in prior years?	Water Available in			Wholesaler information	Wholesaler Water System Number**
			WY 2017 *	WY 2018 *	WY 2019	Direct Web Link	
<b>WHOLESALER SUPPLIED</b> >> Provide direct web link(s) to information on the volume of water the wholesaler expects to deliver to the retailer water supplier in each year.							
Wholesaler 1	N/A	No	N/A	N/A	N/A	N/A	N/A
Wholesaler 2	N/A	No	N/A	N/A	N/A	N/A	N/A
Wholesaler 3	N/A	No	N/A	N/A	N/A	N/A	N/A
Wholesaler 4	N/A	No	N/A	N/A	N/A	N/A	N/A
Wholesaler 5	N/A	No	N/A	N/A	N/A	N/A	N/A
<b>SELF-SUPPLIED</b>							
Water Recycling (potable)	N/A	No	N/A	N/A	N/A		
Surface water: SWP	N/A	No	N/A	N/A	N/A		
Surface water: CVP	N/A	No	N/A	N/A	N/A		
Surface water: Colorado River	N/A	No	N/A	N/A	N/A		
Surface water: other (describe)	N/A	No	N/A	N/A	N/A		
Surface water: other (describe)	N/A	No	N/A	N/A	N/A		
Local Groundwater	City of Whittier Groundwater Wells	Yes	8,463.8	8,463.8	8,463.8		<< Complete groundwater tab
Seawater Desalination	N/A	No	N/A	N/A	N/A		
Transfers	N/A	No	N/A	N/A	N/A		
Exchanges	N/A	No	N/A	N/A	N/A		
Other (describe):	N/A	No	N/A	N/A	N/A		<< To add more self-supplied sources, insert as many rows
SUBTOTAL of available supplies (in units selected)			8,463.8	8,463.8	8,463.8		

\* Any carryover from one year is incorporated in the supply of the following year, as legally allowed.

\*\* Look up Water system number at this link: <https://sdwis.waterboards.ca.gov/PDWWW/>

Rows can be inserted to account for other sources of supply (e.g., desalination of brackish water, banked water)

If a source has not been used in prior years, e.g., a new treatment facility will be constructed, supporting documentation must document when the new source will be fully implemented.

**Water Supplies Committed to Other Uses (Not Available)**

Other Uses	Describe	Quantity in WY 2017	Quantity in WY 2018	Quantity in WY 2019
Agriculture	N/A	N/A	N/A	N/A
Commercial, industrial or institutional	N/A	N/A	N/A	N/A
New residential customers	N/A	N/A	N/A	N/A
Transfers	N/A	N/A	N/A	N/A
Other:	N/A	N/A	N/A	N/A
Other:	N/A	N/A	N/A	N/A
SUBTOTAL of supplies not available (in units selected)		-	-	-

<b>TOTAL available water supply (in units selected)</b>	8,463.8	8,463.8	8,463.8
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*(Subtotal of available supplies minus subtotal of supplies committed to other uses)*

>>> Please enter values calculated below in Step 2 of the online form

<b>TOTAL available water supply converted to acre feet</b>	8,464	8,464	8,464
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>> If error, verify you have selected units of measure

City of Whittier  
Groundwater Pumping Rights Assessment

Fiscal Year	Central Basin						Main Basin										Both Basins		
	Pumping Right (AF)	"Normal" Carry-over	Lease from Commerce	Total Pumping Right	Est. Prod. (AF)	Est. Carry-over	Safe Yield (AF)	Whittier Share	Pumping rights (AF)	Carry-over previous year	Lease to others (AF)	Un-adjust. Total Pumping Right	Est. Prod. (AF)	Est. Prod. based on CB Deficit	Carry-over pumping Right	Estimated total Production	CB Deficit	Main Basin Remaining Carryover	
2015-2016	895	884.47	3,000.00	4,779.47	3,300.00	1,479.47	150,000	4.18519%	6,277.79	4,807.11	2,000	9,084.89	3,600.00	3,600.00	5,484.89	6,900.00	0.00	5,484.89	
2016-2017	895	1,479.47	3,000.00	5,374.47	3,465.00	1,909.47	150,000	4.18519%	6,277.79	5,484.89	2,000	9,762.68	3,780.00	3,780.00	5,982.68	7,245.00	0.00	5,982.68	
2017-2018	895	1,909.47	0.00	2,804.47	2,804.47	0.00	130,000	4.18519%	5,440.75	5,982.68	0	11,423.42	5,659.34	5,659.34	5,764.08	8,463.81	0.00	5,764.08	
2018-2019	895	0.00	0.00	895.00	895.00	0.00	130,000	4.18519%	5,440.75	5,764.08	0	11,204.83	7,568.81	7,568.81	3,636.02	8,463.81	0.00	3,636.02	
2019-2020	895	0.00	0.00	895.00	895.00	0	150,000	4.18519%	6,277.79	3,636.02	0	9,913.81	7,568.81	7,568.81	2,345.00	8,463.81	0.00	2,345.00	

**NOTE:**

We will have sufficient pumping capacity and available pumping rights in Central Basin and Main Basin to meet our Calculated Annual Potable Water Demand of 8463.81AF for WY 17, 18, and 19.

# City of Whittier

## Water Supply Reliability Certification and Data Submission

### Total Water Production (AF)

CY 2013	8501.51
CY 2014	8426.12

### Calculated Annual Potable Water Demand (AF)

Average of CY 13 and 14: **8463.815**

### Monthly Production (AF)

CY 2013	Main Basin	Central Basin	Totals
January	89.38	470.48	559.86
February	43.57	428.37	471.94
March	159.16	463.46	622.62
April	453.93	437.54	891.47
May	359.17	444.23	803.4
June	353.98	336.36	690.34
July	462.43	408.69	871.12
August	467.36	419.99	887.35
September	415.47	380.45	795.92
October	368.88	388.74	757.62
November	249.9	378.51	628.41
December	213.3	308.16	521.46
<b>Total:</b>	<b>3636.53</b>	<b>4864.98</b>	<b>8501.51</b>

CY 2014	Main Basin	Central Basin	Totals
January	241.44	383.33	624.77
February	241.22	331.65	572.87
March	157.13	401.59	558.72
April	258.93	384.1	643.03
May	466.71	384.98	851.69
June	897.58	46.77	944.35
July	712.44	333.46	1045.9
August	507.00	279.38	786.38
September	548.08	247.51	795.59
October	413.83	269.35	683.18
November	274.35	228.06	502.41
December	184.96	232.27	417.23
<b>Total:</b>	<b>4903.67</b>	<b>3522.45</b>	<b>8426.12</b>

### Well Capacity (GPM)

Main Basin		Central Basin	
Well 13	1000	Well 8	400
Well 15	3500	Well 14	2000
Well 16	3500		
Well 18	3500		