

Certification of Self-Certified Conservation Standard

Certification of Self-Certified Conservation Standard Form

I hereby certify that: **Huntington Beach** 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

Huntington Beach 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	Brian A. Ragland
Title <i>(General Manager or equivalent)</i>	Utilities Manager
Signature	
Date	6/20/16
Email Address	brian.ragland@surfcity-hb.org
Phone Number	714-536-5503

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>

Description of Worksheet 1

Version Date: 6/8/2016

PURPOSE

This worksheet is intended to itemize sources of potable water supply to be entered in Step 2 of the Water Supply Reliability Certification Form for Urban Water Suppliers. Rows can be added to the Worksheet. Either in this worksheet or in the supporting document include an itemized list of all water sources that are included as sources of supply in your self-certification calculation.

The completed Worksheet 1 is upload with your Water Supply Reliability Form. **Information must be submitted by June 22, 2016.**

Upload the completed worksheet (Step 5 of the online Water Supply Reliability Certification and Data Submission Form):

<http://drinc.ca.gov/dnn/applications/publicwatersystems/waterreliabilitycertification.aspx>

HOW TO USE WORKSHEET 1

Identify each source of supply that your water system intends to rely on for potable water and the quantity of water available for the time period. The current conditions to use in calculations are as of October 1, 2016.

- The precipitation in WY 2017 mirrors that of WY 2013, precipitation in WY 2018 mirrors that of WY 2014, precipitation in WY 2019 mirrors that of WY 2015. (Section 864.5(b)(1)). Only precipitation data from the California Data Exchange Center (e.g., <http://cdec.water.ca.gov/cgi-progs/prevprecip/PRECIPOUT>), or California Irrigation Management Information System (CIMIS) <http://www.cimis.water.ca.gov/Default.aspx>), or an equivalent source may be used. **Do not average precipitation.**
- Potable water supply only includes water sources of supply available to the supplier that could realistically be used for potable drinking water purposes.
- If a water source is not of sufficient quality to be realistically treated and use as potable water by the water retailer, it shall not be included as a water supply.
- Consider requirements and assumptions that are used that impact supply reliability, for example, in the case of groundwater, if your water agency has its own requirement not to lower the water level of an aquifer below a certain amount, provide an explanation in the "Notes and comments".
- Groundwater: use the quantity of groundwater that is accessible, **without** addition of new wells or completion of treatment projects that would fall outside the three-year projection period (2016-17 through 2018-19).
- If new diversions or treatment equipment or facilities will come on-line between now until the end of 2019, sufficient evidence must be provided to indicate it is going to be implemented (e.g., funds have been allocated, contract with a builder has been approved).
- If a water supply is dedicated for another purpose (e.g., agriculture) and is therefore committed for another use, it is not available and shall be **subtracted** for the subtotal of water supplies.
- Identify all sources of data used (e.g., "our water product information from Supervisor Control and Data Acquisition (SCADA)" and included a link to the source).
- Provide supporting documentation the covers each water source. For example, when the amount of water obtained from a river is summed in one number and there are multiple source points, then the supporting documentation shall describe each collection point and the amount of water from each source that are summed together and equal the amount provided on the worksheet

Follow any instructions on each tab. Some prompts are generated in **red font** and may require further user input.

LAYOUT OF WORKSHEET 1

This worksheet contains two tabs to be completed. The tabs are summarized below:

Worksheet No.	Description	User Actions
1. Worksheet 1	Enter Water Supply Information	Enter potable water supply information
2. Groundwater	Answer groundwater questions	Answer questions <u>only if</u> relying on local groundwater sources

The following cell color-coding format is used to direct the user as to how a cell functions and where the user can or should enter data.

CELL LEGEND:

Cell Type	Cell Color
User Input	Users provide inputs to yellow colored cells or may have a drop-down menu to select an option
Autogenerated Value	NO ACTION: Green-colored cells are contain values based on formulas

>>> **CLICK ON TAB "1. Worksheet 1" TO BEGIN**

Step 2 of Water Supply Reliability Certification and Data Submission Form

<< 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	<input type="text"/>
Linked from User Input	<input type="text"/>

<< 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 Direct Web Link	Wholesaler Water System Number**
			WY 2017 *	WY 2018 *	WY 2019		
WHOLESALE SUPPLIED >> 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	Municipal Water District of Orange Count	y	9,902.0	9,902.0	9,902.0	http://www.mwdoc.com/stat	CA3010007
Wholesaler 2		Select Y/N					
Wholesaler 3		Select Y/N					
Wholesaler 4		Select Y/N					
Wholesaler 5		Select Y/N					
SELF-SUPPLIED							
Water Recycling (potable)		Select Y/N					
Surface water: SWP		Select Y/N					
Surface water: CVP		Select Y/N					
Surface water: Colorado River		Select Y/N					
Surface water: other (describe)		Select Y/N					
Surface water: other (describe)		Select Y/N					
Local Groundwater	OCWD	Y	21,205.0	21,221.0	21,216.0		
Seawater Desalination		Select Y/N					
Transfers		Select Y/N					
Exchanges		Select Y/N					
Other (describe):		Select Y/N					
SUBTOTAL of available supplies (in units selected)			31,107.0	31,123.0	31,118.0		

<< Complete groundwater tab

<< To add more self-supplied sources, insert as many rows

* 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/PDWW/>

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				
Commercial, industrial or institutional				
New residential customers				

Transfers				
Other:				
Other:				
SUBTOTAL of supplies not available (in units selected)		-	-	-

TOTAL available water supply (in units selected)	31,107.0	31,123.0	31,118.0
--	----------	----------	----------

(Subtotal of available supplies minus subtotal of supplies committed to other uses)

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

TOTAL available water supply converted to acre feet	FALSE	FALSE	FALSE
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>> If error, verify you have selected units of measure

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>>> **CLICK ON TAB "1. Worksheet 1" TO BEGIN**

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:

The volume of groundwater in DWR Basin 8-1, Coastal Plain of Orange County Groundwater Basin, is estimated to be 66 million acre-feet. Despite this large volume, the Orange County Water District carefully manages the basin within a defined operating range of 100,000 to 500,000 acre-feet below full conditions. In an

How frequently are groundwater elevations monitored?

Pick one:

Optional notes and comments:

OCWD monitors the groundwater levels in hundreds of monitoring and production wells throughout the basin on different intervals, from continuous (using dataloggers) to annually. We prepare a basin-wide contour map of all three basin aquifers annually.

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 sup

In June 2016 feet

In June 2013 feet

Optional notes and comments:

OWD manages the basin using groundwater storage. Available storage is calculated on a monthly basis and trued up annually by calculating the groundwater in storage using annual groundwater contour map. An excel spreadsheet with the wells used to create the contour maps and their levels for 2013-2015 is attached. Contour maps of the

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:

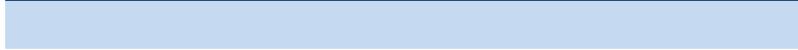
As of May 2016, the basin was estimated to be 373,576 acre feet below full conditions, leaving 126,424 acre-feet of regular storage available to meet local demands. Including short-term emergency storage, there is 225,000 acre feet available to meet local demands. The May 2016 storage data can be found at:

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.



porting documentation.

onal information in the notes or supporting documentation.



Street Address:
18700 Ward Street
Fountain Valley, California 92708

Mailing Address:
P.O. Box 20895
Fountain Valley, CA 92728-0895

(714) 963-3058
Fax: (714) 964-9389
www.mwdoc.com

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General Manager

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East Orange County Water District
El Toro Water District
Emerald Bay Service District
City of Fountain Valley
City of Garden Grove
Golden State Water Co.
City of Huntington Beach
Irvine Ranch Water District
Laguna Beach County Water District
City of La Habra
City of La Palma
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Moulton Niguel Water District
City of Newport Beach
City of Orange
Orange County Water District
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Santa Margarita Water District
City of Seal Beach
Serrano Water District
South Coast Water District
Trabuco Canyon Water District
City of Tustin
City of Westminster
Yorba Linda Water District

June 15, 2016

Fred Wilson
City Manager
City of Huntington Beach
2000 Main Street
Huntington Beach, CA 92648

Dear Mr. Wilson,

To assist you with the completion of your Water Supply Reliability Certification and Data Submission Form, per the State Water Resources Control Board's revised drought regulations, the Municipal Water District of Orange County (MWDOC) is providing you with the following information:

- To determine MWDOC's wholesale imported need, the imported supply request for your agency has been listed as 9,902 acre-feet for years 2017, 2018, and 2019 respectively. Please make sure that these numbers are consistent with entry on "Worksheet 1" and labeled as "Surface Water: MWDOC/MET" in the self-certification form; and
- MWDOC has projected to fully meet the service area's imported supply requests, for the three-year period, given the State Board's parameters and in concert with the Metropolitan Water District of Southern California.

Additionally, this information, along with any backup documentation, is available on MWDOC's website (<http://www.mwdoc.com/state-regs>).

If you have any questions, please contact Harvey De La Torre at hdelatorre@mwdoc.com.

Sincerely,

Robert J. Hunter
General Manager

ORANGE COUNTY WATER DISTRICT / URBAN WATER WHOLESALER

SWRCB - EMERGENCY DROUGHT REGULATIONS - SELF CERTIFICATION - ESTIMATED GROUNDWATER PUMPING

	FY16-17	FY17-18	FY18-19	
Groundwater Basin Recharge Sources				
Santa Ana River Base Flows	64,048	64,048	64,048	(1) From 14-15 SAR Watermaster Report
Santa Ana River Storm Flows	48,317	23,380	37,742	(2) Actual amounts for 12-13, 13-14, 14-15
Incidental Recharge	19,698	31,777	49,936	(3) Actual amounts for 12-13, 13-14, 14-15
Groundwater Replenishment System	103,000	103,000	103,000	(4) Estimated amount for FY 15-16
Untreated Metropolitan Water District Water Received	49,748	49,748	49,748	(5) Average amount for 12-13, 13-14, 14-15
Water Taken out of storage from Ground Water Basin	38,000	51,000	20,500	(6) OCWD GW Basin Accumulated Overdraft
Alamitos Seawater Barrier - Injection Well recharge	2,000	2,000	2,000	109,500 af Available remain
Total Recharge & Allowable Groundwater Pumping	324,811	324,953	326,974	(7) Note that allowable groundwater pump
BEA Exempt WQ Pumping Projects above the BPP	21,602	21,604	23,603	(8) Additional GW Pumping above the Basin
Net remaining allowable Groundwater Pumping	303,209	303,349	303,371	Production Percentage (BPP) - City of Santa
Total Average Water Demands in CYS 2013 & 2014	453,729	453,729	453,729	
Reclaimed water (purple pipe) reclamation	20,390	20,390	20,390	
Net total average water demands	433,339	433,339	433,339	
Basin Production Percentage (BPP)	70%	70%	70%	

June 10, 2016 Version

Urban Water Supplier	Average 2013 & 2014		Net Total Water Demands	BPP Pumping	BEA Exempt Pumping above BPP	Total Groundwater Pumping
	Total Water Demands	Purple Pipe Reclamation				
Anaheim	66,505	100	66,405	46,464		46,464
Buena Park	14,959		14,959	10,467		10,467
East Orange County Water District (Production)	1,035		1,035	724		724
Fountain Valley	11,444	1,350	10,094	7,063		7,063
Fullerton	29,232		29,232	20,454		20,454
Garden Grove	25,906		25,906	18,127		18,127
Golden State Water Company	26,935		26,935	18,847		18,847
Huntington Beach	30,305		30,305	21,205		21,205
Irvine Ranch Water District	73,375	17,000	56,375	39,446	14,000	53,446
La Palma	2,141		2,141	1,498		1,498
Mesa Water *	19,769	1,100	18,669	13,063	5,602	18,665
Newport Beach	17,042	490	16,552	11,582		11,582
Orange	31,595		31,595	22,107		22,107
Santa Ana	39,812	350	39,462	27,612	-	27,612
Seal Beach	3,792		3,792	2,653		2,653
Serrano Water District	3,260		3,260	2,281		2,281
Tustin	12,186		12,186	8,527	2,000	10,527
Westminster	12,400		12,400	8,676		8,676
Yorba Linda Water District**	21,921		21,921	14,249		14,249
Other	10,115		10,115	7,078		7,078
Total	453,729	20,390	433,339	302,119	21,602	323,721

Final Draft

Year 2 - FY17-18	Average		Net Total		BEA Exempt Pumping above BPP	Total Groundwater Pumping
	2013 & 2014	Purple Pipe	Water	BPP Pumping		
Urban Water Supplier	Total Water Demands	Reclamation	Demands			
Anaheim	66,505	100	66,405	46,485		46,485
Buena Park	14,959		14,959	10,472		10,472
East Orange County Water District (Production)	1,035		1,035	724		724
Fountain Valley	11,444	1,350	10,094	7,066		7,066
Fullerton	29,232		29,232	20,463		20,463
Garden Grove	25,906		25,906	18,135		18,135
Golden State Water Company	26,935		26,935	18,855		18,855
Huntington Beach	30,305		30,305	21,214		21,214
Irvine Ranch Water District	73,375	17,000	56,375	39,463	14,000	53,463
La Palma	2,141		2,141	1,499		1,499
Mesa Water *	19,769	1,100	18,669	13,069	5,604	18,673
Newport Beach	17,042	490	16,552	11,587		11,587
Orange	31,595		31,595	22,117		22,117
Santa Ana	39,812	350	39,462	27,624	-	27,624
Seal Beach	3,792		3,792	2,655		2,655
Serrano Water District	3,260		3,260	2,282		2,282
Tustin	12,186		12,186	8,531	2,000	10,531
Westminster	12,400		12,400	8,680		8,680
Yorba Linda Water District**	21,921		21,921	14,249		14,249
Other	<u>10,115</u>		<u>10,115</u>	7,081		<u>7,081</u>
Total	453,729	20,390	433,339	302,251	21,604	323,855

Year 3 - FY18-19	Average		Net Total		BEA Exempt Pumping above BPP	Total Groundwater Pumping
	2013 & 2014	Purple Pipe	Water	BPP Pumping		
Urban Water Supplier	Total Water Demands	Reclamation	Demands			
Anaheim	66,505	100	66,405	46,489		46,489
Buena Park	14,959		14,959	10,472		10,472
East Orange County Water District (Production)	1,035		1,035	724		724
Fountain Valley	11,444	1,350	10,094	7,067		7,067
Fullerton	29,232		29,232	20,465		20,465
Garden Grove	25,906		25,906	18,136		18,136
Golden State Water Company	26,935		26,935	18,857		18,857
Huntington Beach	30,305		30,305	21,216		21,216
Irvine Ranch Water District	73,375	17,000	56,375	39,463	14,000	53,463
La Palma	2,141		2,141	1,499		1,499
Mesa Water *	19,769	1,100	18,669	13,070	5,603	18,673
Newport Beach	17,042	490	16,552	11,588		11,588
Orange	31,595		31,595	22,119		22,119
Santa Ana	39,812	350	39,462	27,626	2,000	29,626
Seal Beach	3,792		3,792	2,655		2,655
Serrano Water District	3,260		3,260	2,282		2,282
Tustin	12,186		12,186	8,531	2,000	10,531
Westminster	12,400		12,400	8,681		8,681
Yorba Linda Water District**	21,921		21,921	14,249		14,249
Other	<u>10,115</u>		<u>10,115</u>	7,082		<u>7,082</u>
Total	453,729	20,390	433,339	302,269	23,603	325,872