

Certification of Self-Certified Conservation Standard

Recognizing persistent yet less severe drought conditions throughout California, on May 18, 2016, the State Water Board adopted an emergency water conservation regulation that replaces the February 2 emergency regulation. The May 2016 regulation requires locally developed conservation standards based upon each agency's specific circumstances. It replaces the prior percentage reduction-based water conservation standard with a localized "stress test" approach. Each water supplier is required to evaluate its supply portfolio and self-certify the accuracy of its information; the State Water Board assigns each supplier a mandatory conservation standard equal to the percentage deficiency the supplier identifies in its supply under certain specified assumptions. See this webpage [Water Conservation Portal](#) for more information on the May 2016 emergency regulation. The new conservation standards take effect in June and remain in effect until the end of January 2017.

Requirements:

The regulation requires individual urban water suppliers to conduct a stress test and self-certify the level of available water supplies they have assuming three additional dry years, as well as the level of conservation necessary to assure adequate supply over that time. Suppliers that would face a shortage after a third dry year are required to comply with a conservation standard equal to the amount of that shortage. Water supply reliability after the 2018-19 winter is calculated as follows:

- The supply projection for the next three years is based on **current supply conditions** plus an assumed three-year hydrology mirroring the 2012-13, 2013-14, and 2014-15 water years. (A water year runs from October 1 through September 30).
- No temporary change orders that increase the availability of water to any urban water supplier are issued in the next three years.
- Demand over that same period is based on each supplier's average total potable water production for calendar years 2013 and 2014.
- Suppliers factor into their calculations all of their water sources that are realistically capable of being treated to potable standard during the three-year projected period.
- Supplier's conservation standards are calculated as a percentage and rounded to the nearest whole percentage point.
- Suppliers self-certify accuracy of their conclusions and provide their analysis and supporting data to the State Water Board and at a publicly available website.
- The State Water Board posts information provided by suppliers on its website and assigns each supplier, as a mandatory conservation standard, reductions equal to the supplier's projected percentage deficiency in supply at the end of the third dry year.
- Wholesale water suppliers are required to make projections about how much water they would deliver to retail water suppliers under the three-dry-years scenario. While the wholesale suppliers may aggregate water supply production data for a region, they will need to assign how the water would be apportioned among retailer water suppliers that are its customers (e.g., using the same apportionments as in water years 2013, 2014, and 2015.)
- Additionally, if a wholesaler in a region, along with every one of its urban water supplier customers in that region all agree, in a legally binding document, those suppliers and wholesaler may submit an aggregate stress test and conservation standard. While the conservation standard would be in lieu of an individual conservation standard, the submittal shall include all the supporting documentation required of each retail supplier covered by the aggregated conservation standard for individualized self-certified conservation standards, and responsibility for compliance remains ultimately on the individual water suppliers.

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Suppliers that do not submit a water reliability certification and supporting information retain their current conservation standard in almost all cases.

What to submit:

The online form, this certification form, and supporting data and analysis **must be submitted to the State Water Board by June 22, 2016**. Late submittals will not be reviewed. The online form is accessed at this link: <http://drinc.ca.gov/dnn/applications/publicwatersystems/waterreliabilitycertification.aspx>

Complete the online form, which includes a step to upload this signed certification form and supporting data and documents. The submittal includes:

1. **Worksheet:** *Worksheet 1 Total available water supply for individual water supplier or Worksheet 2 Calculation for Aggregated Self-Certification Conservation Standard*
2. **Supporting data and analysis:** Worksheet 1 will have a specific place for listing each type of supply that the supplier intends to use for each of the next three years. Suppliers will also be asked to provide an itemized list of these sources of supply, by type. For example, the form will have a place to record aggregate local surface water. This information must be itemized and show each individual local surface water source. Data can be provided in a separate document, if they do not fit on the online form and worksheet. Supporting documents that explain data and calculations, including assumptions, must be uploaded to the online form and should not exceed 10 pages.
3. **Certification Form:** the next page of this document must be signed and submitted **as part of the** online form submittal. **This form needs to be completed prior to completing and submitting the online form.**

Effective Date:

The State Water Board will review the data and supporting documentation reported by the supplier. The self-certified conservation standard becomes effective on June 1, 2016. (June potable water production reports are due by July 15, 2016 and this allows an effective date to occur prior to the submittal date.)

Certification of Self-Certified Conservation Standard

Certification of Self-Certified Conservation Standard Form

I hereby certify that: **Downey 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

Downey 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	Gilbert Livas
Title <i>(General Manager or equivalent)</i>	City Manager
Signature	
Date	6/22/16
Email Address	glivas@downeyca.org
Phone Number	562-904-7284

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 that 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**

Worksheet 1 : Total available water supply for individual water supplier

Step 2 of Water Supply Reliability Certification and Data Submission Form

Downey 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	
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		Select Y/N					
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		Yes	16,553.6	16,553.6	16,553.6		
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)			16,553.6	16,553.6	16,553.6		

<< To add

<< Complete groundwater tab

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

* 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	NA	-	-	-
Commercial, industrial or institutional	NA	-	-	-

New residential customers	NA	-	-	-
Transfers	NA	-	-	-
Other:				
Other:				
SUBTOTAL of supplies not available (in units selected)		-	-	-

TOTAL available water supply (in units selected)	16,553.6	16,553.6	16,553.6
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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

TOTAL available water supply converted to acre feet	16,554	16,554	16,554
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>> If error, verify you have selected units of measure

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:

Please Note: the City of Downey's Allowed Pumping Allocation (APA) from the Central Groundwater Basin is 16,553.62 acre-feet per year (AFY). However, in accordance with the Central Basin Judgment, Downey can lease additional water rights and use available "carryover" (unused APA) from previous years to meet annual water demands. In

How frequently are groundwater elevations monitored?

Pick one:

Optional notes and comments:

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 supporting documentation.

In June 2016 feet

In June 2013 feet

Optional notes and comments:

Depth to water below ground surface

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 additional information in the notes or supporting documents.

feet

Optional notes and comments:

For the well in question used for this example, screened intervals are up to 960 feet below ground surface with depth to the well suction intake currently set at 200 feet below ground surface. However, the suction intake could be lowered further if necessary should future needs require it.

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:

No currently anticipated transactions.

>>> Thank you.



MEMORANDUM

DATE: JUNE 17, 2016

TO: WRD GROUNDWATER SUPPLIERS

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: AVAILABILITY OF GROUNDWATER SUPPLIES FOR 2017 THROUGH 2019

The Water Replenishment District of Southern California (WRD or District), as groundwater manager for the Central and West Coast Basins, confirms the availability of groundwater for water suppliers within our service area for the three year period of 2017 through 2019 (and beyond) specified in the State Water Resources Control Board's Emergency Regulation (Emergency Regulation) approved in May 2016. As a result of the District's extensive use of locally available recycled water and stormwater, supplemented by available imported water, groundwater levels are currently sufficient to meet anticipated pumping for the foreseeable future. A list of water suppliers within the WRD service area is attached to this memo.

WRD provides artificial replenishment of the adjudicated Central and West Coast Basin to ensure their adjudicated pumping limits, 217,367 and 64,468.25 acre-feet per year respectively, can be exercised. Approximately 80% of the water that WRD purchases and/or develops for this artificial replenishment is locally available recycled water. The remaining 20% is imported water purchased from MWD and its member agencies. In addition, locally available stormwater is also captured for replenishment when available.

In 2004, WRD implemented a program to completely eliminate its demand for water imported from the Bay Delta and the Colorado River to replenish and maintain groundwater supplies in the Central and West Coast Basins. This program, known as the Water Independence Now Program, or WIN, is a suite of projects to develop locally available water as a source for groundwater replenishment. Much progress has already been made, and WRD is now only two years away from being completely independent from imported water sources. This means that the Central and West Coast Basins will be completely locally sustainable within that timeframe. As an example, WRD's extensive use of recycled water has prevented, and will continue to prevent, basin water levels from reaching historic low levels during the current prolonged drought.

GROUNDWATER SUPPLIERS WITHIN THE WRD SERVICE AREA

Bellflower-Somerset Mutual Water Company
Bellflower City of
Bellflower Home Gardens Water Company
California Water Service Company Dominguez
California Water Service Company East Lost Angeles
California Water Service Company Hermosa/Redondo
California-American Water Company Los Angeles District
Cerritos City of
Commerce City of
Compton City of
Downey City of
El Segundo City of
Golden State Water Company Artesia
Golden State Water Company Bell-Bell Gardens
Golden State Water Company Florence Graham
Golden State Water Company Hollydale
Golden State Water Company Norwalk
Golden State Water Company Southwest
Golden State Water Company Willowbrook
Hawthorne City of
Huntington Park City of
Inglewood City of
La Habra Heights County Water District
Lakewood City of
Liberty Park Water – Bell Gardens
Liberty Park Water – Bellflower-Norwalk
Liberty Park Water – Compton
Liberty Park Water – Lynwood
Lomita City of
Long Beach City of
Los Angeles Department of Water and Power
Lynwood City of
Lynwood Park Mutual Water Company
Manhattan Beach City of
Maywood Mutual Water Company #1
Maywood Mutual Water Company #2
Maywood Mutual Water Company #3
Montebello City of
Montebello Land and Water Company
Norwalk City of
Orchard Dale Water District
Paramount City of
Pico Rivera City of
Pico Water District
San Gabriel Valley Water Company
Santa Fe Springs City of
Signal Hill City of
South Gate City of
South Montebello Irrigation District
Suburban Water Systems Whittier/La Mirada
Torrance City of
Tract 180 Mutual Water Company
Tract 349 Mutual Water Company
Vernon City of
Walnut Park Mutual Water Company



The information below contains a summary of groundwater rights for water suppliers within the Central and West Coast Basins. In addition to their water rights, each pumper may also have available carryover from previous years, stored water, and allowable overextraction (per the terms of their respective Judgment). Water rights are transferable, so in some cases groundwater pumping may be greater than their groundwater rights.

The Water Replenishment District of Southern California also collects and maintains an extensive database of water levels throughout the two basins to help ensure the continued availability of groundwater supplies. This data is made available on the District's web site and in its annual publication of the *Engineering Survey and Report* and *Regional Groundwater Monitoring Report*, both of which are available for download at www.wrd.org.

Water Supplier	Basin	Groundwater Rights
Bell Gardens, City of	Central Basin	1,914.00
Bellflower Home Garden Water Company	Central Basin	306.00
Bellflower, City of	Central Basin	1,380.00
Bellflower-Somerset Mutual Water Company	Central Basin	4,312.88
California American Water Company	Central Basin	2,067.00
California Water Service Co./Hawthorne Lease	West Coast Basin	1,882.00
California Water Service Company	West Coast Basin	4,070.00
California Water Service Company (Dominguez)	Central Basin	6,480.00
California Water Service Company (Dominguez)	West Coast Basin	10,417.45
California Water Service Company (East LA)	Central Basin	11,774.00
Cerritos, City of	Central Basin	4,680.03
Commerce, City of	Central Basin	5,081.00
Compton, City of	Central Basin	5,780.00
Downey, City of	Central Basin	16,553.62
Golden State Water Company	Central Basin	16,439.20
Golden State Water Company	West Coast Basin	7,502.24
Huntington Park, City of	Central Basin	3,853.00
Inglewood, City of	West Coast Basin	4,449.89
La Habra Heights County Water District	Central Basin	2,646.00
Lakewood, City of Water Department	Central Basin	9,432.00
Liberty Park Water	Central Basin	702.30
Lomita, City of	West Coast Basin	1,352.00
Long Beach, City of	Central Basin	32,692.00
Los Angeles, City of Dept of Water and Power	Central Basin	16,546.00
Los Angeles, City of Dept of Water and Power	West Coast Basin	1,503.00
Lynwood Park Mutual Water Company	Central Basin	222.00
Lynwood, City of	Central Basin	5,337.00
Manhattan Beach, City of	West Coast Basin	1,131.20
Maywood Mutual Water Company No. 1	Central Basin	741.00
Maywood Mutual Water Company No. 2	Central Basin	912.00
Maywood Mutual Water Company No. 3	Central Basin	1,407.00
Montebello Land and Water Company	Central Basin	1,729.00
Montebello, City of	Central Basin	386.50
Norwalk, City of	Central Basin	2,273.00
Orchard Dale Water District	Central Basin	1,254.00
Paramount, City of	Central Basin	5,883.00
Pico Rivera, City of	Central Basin	5,579.00
Pico Water District	Central Basin	3,624.00
San Gabriel Valley Water Company	Central Basin	2,565.35
Santa Fe Springs, City of	Central Basin	4,035.78
Sativa L A County Water District	Central Basin	474.00
Signal Hill, City of	Central Basin	2,022.00
South Gate, City of	Central Basin	11,183.00
South Montebello Irrigation District	Central Basin	1,268.00
Suburban Water Systems	Central Basin	3,721.00
Torrance, City of	West Coast Basin	5,638.86
Tract 180 Mutual Water Company	Central Basin	2,137.00
Tract 349 Mutual Water Company	Central Basin	423.00
Vernon, City of	Central Basin	7,539.00
Walnut Park Mutual Water Company	Central Basin	996.00
Whittier, City of	Central Basin	895.00

Downey Historical Water Supply

A.P.A. = ALLOWED PUMPING ALLOCATION FOR GROUNDWATER
 C.O. = CARRYOVER DUE TO UNUSED APA FROM PREVIOUS YEAR
 PUMPED = REFERS TO AMOUNT OF GROUNDWATER PUMPED FOR A GIVEN PERIOD
 ANNUAL TOTAL = TOTAL GROUNDWATER AVAILABLE NOT INCLUDING STORED GROUNDWATER

Year	Source	July	August	September	October	November	December	January	February	March	April	May	June	Yearly Total (AF)	Calendar Year	
2012/13	APA	16,553.62	Pumped	1,708.55	1,712.25	1,632.68	1,377.86	1,227.37	931.94	1,193.64	1,030.92	1,144.99	1,426.73	1,478.22	1,605.42	16,470.57
	C.O.	3,310.72	MWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lease to Cerritos	(200.00)	Recycled	98.68	118.42	76.83	84.19	36.25	13.40	13.80	22.81	28.15	70.89	72.92	107.70	744.04
	DCO-91	910.06	Total	1,807.23	1,830.67	1,709.51	1,462.05	1,263.62	945.34	1,207.44	1,053.73	1,173.14	1,497.62	1,551.14	1,713.12	17,214.61
	Annual Total	20,574.40	Balance													4,103.83
2013/14	APA	16,553.62	Pumped	1,561.70	1,552.79	1,604.40	1,456.79	1,376.55	1,078.55	1,268.07	1,048.25	1,210.30	1,286.16	1,428.35	1,601.10	16,473.01
	C.O.	4,103.81	MWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lease from Cerritos	200.00	Recycled	88.07	102.70	86.18	63.11	59.17	38.16	34.70	39.30	35.76	78.60	97.10	82.94	805.79
	CO Conversion	(850.00)	Total	1,649.77	1,655.49	1,690.58	1,519.90	1,435.72	1,116.71	1,302.77	1,087.55	1,246.06	1,364.76	1,525.45	1,684.04	17,278.80
	Annual Total	20,007.43	Balance													3,534.42
2014/15	APA	16,553.62	Pumped	1,599.61	1,386.54	1,508.16	1,388.96	1,235.23	970.00	1,073.90	1,002.78	1,247.78	1,221.50	1,193.76	1,201.57	15,029.79
	C.O.	3,534.38	MWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Net Leases	(1,000.00)	Recycled	95.50	92.64	103.41	69.51	50.00	12.40	22.60	30.80	54.00	65.20	52.50	89.30	737.86
	Annual Total	19,088.00	Total	1,695.11	1,479.18	1,611.57	1,458.47	1,285.23	982.40	1,096.50	1,033.58	1,301.78	1,286.70	1,246.26	1,290.87	15,767.65
			Balance													4,058.21
2015/16	APA	16,553.62	Pumped	1,153.55	1,257.22	1,157.13	1,154.30	1,088.43	1,033.35	983.51	952.97	969.24	1,014.03	1,228.10	11,991.83	
	C.O.	4,058.21	MWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Net Leases	(1,500.00)	Recycled	76.45	74.08	96.80	46.71	44.44	18.43	17.22	34.56	31.23	56.84	81.21	577.97	
	Annual Total	19,111.83	Total	1,230.00	1,331.30	1,253.93	1,201.01	1,132.87	1,051.78	1,000.73	987.53	1,000.47	1,070.87	1,309.31	12,569.80	
			Balance												7,120.00	

NOTE: CURRENTLY STORED GROUNDWATER AVAILABLE TO THE CITY IN ACCORDANCE WITH THE CENTRAL BASIN JUDGMENT = 1,350 AF