

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://wwwcimis.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</u> if 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

<< 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	

<< 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	
WHOLESALER 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	26,032.0	26,032.0	26,032.0		<< Complete groundwater tab
Seawater Desalination		Select Y/N					
Transfers		Select Y/N					
Exchanges		Select Y/N					
Other (describe):		Select Y/N					<< To add more self-supplied sources, insert as many rows as
SUBTOTAL of available supplies (in units selected)			26,032.0	26,032.0	26,032.0		

* 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)	26,032.0	26,032.0	26,032.0
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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	26,032	26,032	26,032
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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:

Yes

Optional notes and comments:

The estimated storage capacity of the Santa Clara Valley Groundwater Basin, Santa Clara Subbasin, is 350,000 AF.

How frequently are groundwater elevations monitored?

Pick one:

monthly

Optional notes and comments:

Historical groundwater elevation data may be found at:
<https://gis.valleywater.org/GroundwaterElevations/>

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 s

In June 2016 feet

In June 2013 feet

Optional notes and comments:

Depth to groundwater from surface at Santa Clara Valley Water District Index Well ID 08S02E18L001, located in South San Jose. This location is located in the general vicinity of most of Great Oaks Water Company's nineteen (19) groundwater wells.

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 addi

feet

Optional notes and comments:

Response based upon an average for all of Great Oaks Water Company's nineteen (19) groundwater wells.

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.

Great Oaks Water Company
Annual Well Production Capacities

Name of well	1	2	3	4	7	8	9	10
Pressure Zone	1	1	1	1	1	1	1	1
Sub-Basin	Santa Teresa	Santa Teresa	Santa Teresa	Santa Teresa	Santa Teresa	Santa Teresa	Santa Teresa	Santa Teresa
Well Status	Active	Active	Standby	Active	Active	Active	Active	Active
Date of inactive/	NA	NA	~1998	NA	NA	NA	NA	NA
Actual Capacity i	1080	1050	1000	0	530	985	640	920
Acre Feet per ye	1567	1524	1451	0	769	1429	929	1335
Year installed	1960	1959	1967	1968	1971	1972	1972	1972
Total Well Depth	354	457	275	252	254	275	270	233

Name of well	11	12	15	16	18	19	20	21
Pressure Zone	1	1	1	1	1	1	1	1
Sub-Basin	Santa Teresa	Santa Teresa	Santa Teresa	Santa Teresa	Santa Teresa	Santa Teresa	Santa Teresa	Santa Teresa
Well Status	Active	Active	Standby	Standby	Standby	Active	Active	Active
Date of inactive/	NA	NA	2002	2002	2002	NA	NA	NA
Actual Capacity i	1100	1020	1350	1200	1500	720	1350	1300
Acre Feet per ye	1596	1480	1959	1741	2177	1045	1959	1886
Year installed	1972	1972	1978	1983	1985	1991	1998	1998
Total Well Depth	230	230	296	280	335	290	210	250

Name of well	22	23	24
Pressure Zone	1	1	1
Sub-Basin	Coyote	Coyote	Coyote
Well Status	Active	Active	Active
Date of inactive/	NA	NA	NA
Actual Capacity i	95	850	1250
Acre Feet per ye	138	1233	1814
Year installed	2005	2005	2008
Total Well Depth	300	305	300