

Sunnyslope County Water District - Groundwater Supply

Wells:	<u>Well #11</u>	<u>Well #8</u>	<u>Well #7</u>	<u>Well #5</u>	<u>Well #2</u>
Pump capacity (gallons per Min.)	1,180	972	764	764	972
Days of Operation	365	15	365	365	365
Operation Percentage	70	100	70	70	70
Acre Feet Per Year	1,332	64	863	863	1,097
Total Groundwater Supply	<u>4,220</u> acre feet each year				

Groundwater Notes:

- Assume Wells #11, #7, #5, and #2 are operational 80% of the time.
- Well #8 is a Standby Well and is restricted to 15 days of operation per year. Assume Well #8 can run 100% of the time.
- Assumes water wells can be operated at capacity due to water levels in each well being adequate for the next three years and beyond. Average draw-down for the last 3 years is 24.4 feet.

Sunnyslope County Water District and City of Hollister - Surface Water Supply

	<u>2017</u>	<u>2018</u>	<u>2019</u>
<u>SBCWD Lessalt Water Treatment Plant</u>			
Capacity	2,400 acre feet per year		
SSCWD Share	1,545	2,181	1,661
City of Hollister Share	855	0	0
<u>SBCWD West Hills Water Treatment Plant</u>			
Capacity	2,800 acre feet per year		
SSCWD Share	0	0	0
City of Hollister Share	690	2,181	1,661
<u>Total Surface Water Available</u>			
Capacity	5,200 acre feet per year		
SSCWD Share	1,545	2,181	1,661
City of Hollister Share	1,545	2,181	1,661

Surface Water Notes:

- More water is available in Water Year 2017 than water treatment capacity. Surface water from 2017 may be carried over to 2018 but this water supply is not included in the calculations.
- Surface water is provided by San Benito County Water District and is shared equally between the City of Hollister and Sunnyslope County Water District.
- West Hills Water Treatment Plant is currently under construction and will begin operation in July 2017. Will be operational 3 months in Water Year 2017.

New Residential Customer Water Demand in Future Years

	<u>2017</u>	<u>2018</u>	<u>2019</u>
Number of Homes	240	240	240
Water Demand per Home (acre feet)	0.33	0.33	0.33
Cummulative Annual Water Demand (acre feet)	79	158	238

Worksheet 1 : Total available water supply for individual water supplier

Step 2 of Water Supply Reliability Certification and Data Submission Form

Sunnyslope County Water District

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)

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		
WHOLESALER SUPPLIED							
Wholesaler 1	San Benito County Water District	Yes	1,545.0	2,181.0	1,661.0		
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	Sunnyslope County Water District	Yes	4,220.0	4,220.0	4,220.0		
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)			5,765.0	6,401.0	5,881.0		

* 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)

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	Expect up to 240 residential units per year (0.33 af/unit)	79.0	158.0	238.0

Other Uses	Describe	Quantity in WY 2017	Quantity in WY 2018	Quantity in WY 2019
Transfers				
Other:				
Other:				
SUBTOTAL of supplies not available (in units selected)		79.0	158.0	238.0

TOTAL available water supply (in units selected) <i>(Subtotal of available supplies minus subtotal of supplies committed to other uses)</i>	5,686.0	6,243.0	5,643.0
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>>> Please enter values calculated below in Step 2 of the online form

TOTAL available water supply converted to acre feet	5,686	6,243	5,643
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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:

San Benito County Water District manages the groundwater basin in Sunnyslope CWD's service area and estimates there is 500,000 acre feet of water in the basin, but there is no study or report to verify this number.

How frequently are groundwater elevations monitored?

Pick one:

Optional notes and comments:

Sunnyslope County Water District monitors each of its wells water elevation 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 supporting documentation.

In June 2016 feet

In June 2013 feet

Optional notes and comments:

The District has five water wells and the depth listed above is for Well #11. The Depth for the other District wells is as follows: Well #2 - June 2013 = 91 feet & June 2016 = 121 feet. Well #5 - June 2013 = 117 feet & June 2016 = 126 feet. Well #7 - June 2013 = 115 feet & June 2016 = 153 feet. Well #8 - June 2013 = 141 feet & June 2016 = 160 feet.

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 documentation.

feet

Optional notes and comments:

Depth to suction listed above is for the District's Well #11. Depth to suction for the other four District wells is as follows: Well #2 = 220 feet. Well #5 = 240 feet. Well #7 = 360 feet. Well #8 = 360 feet. All of the District's five wells are deeper than the current suction depth and pump suction could be lowered.

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.

Wholesaler Supply Information

Name of wholesaler:	San Benito County Water District
Wholesaler Contact-name, title, email and phone number	Jeff Cattaneo, District Manager, P.E. jcattaneo@sbcwd.com (831) 637-8218
Retail suppliers (Two)	Sunnyslope County Water District City of Hollister
Webpage address to information that meets the requirements of the regulations	http://www.sbcwd.com/reports/2015%20SBCWD%20AWMP-USB%20FINAL%20PLAN.pdf Page 24 list contract amounts and allocations – Approved Agricultural Water Management Plan 2015
Analysis and assumptions	<p style="text-align: center;">2017 projected water supply</p> 2013 = 70% M&I allocation .7 x 8250 AF (contract amount) = 5775 AF – 1550 AF (loss, small parcel, M&I contract)= 4225 AF + 225 (exchange contractors allocation minus loss) = 4450 AF <p style="text-align: center;">2018 projected water supply</p> 2014 = 50% M&I allocation .5 x 8250 AF (contract amount) =4125 AF – 1363 AF (loss, small parcel, M&I contract) = 2762 AF Take: 1,500 AF from Semitropics (groundwater bank-shared with Santa Clara Valley WD-total banked 4500AF) Take 500 AF from San Justo Reservoir – loss (20%) = 1,600 AF =2762 AF + 1,600 AF = 4362 AF <p style="text-align: center;">2019 projected water supply</p> 2015 = 25% M&I allocation .25 x 8250 AF (contract amount) = 2062 AF – 740 AF (loss, small parcel, M&I contract) = 1322 AF Take: 2000 AF from Semitropics (groundwater bank-shared with Santa Clara Valley WD-total banked 4500AF) Take 500 AF from San Justo Reservoir – loss (20%) = 2000 AF =1322 AF + 2000 AF = 3322 AF
Send to: Kathy.frevert@waterboards.ca.gov	