Worksheet 1 : Total available water supply for individual water supplier

Step 2 of Water Supply Reliability Certification and Data Submission Form

Hemet 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	
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	4,973.0	4,684.0	4,560.0	***<< Complete groundwater tab***	
	UNUSED ADJUSTED BASE PRODUCTION	No	5,511.0	5,681.0	5,758.0		
	IMPORTED WATER	No	1,470.0	1,470.0	1,470.0		
	UNUSED IMPORTED WATER	No	3,697.0	7,363.0	8,833.0		
	FUTURE IMPORTED WATER	No	2,196.0	-	-		
Seawater Desalination		Select Y/N					
Transfers		Select Y/N					
Exchanges		Select Y/N					
Other (describe):		Select Y/N				*<< To add more self-suplied sources, insert as many row*	
	SUBTOTAL of available supplies (in units selected)		17,847.0	19,198.0	20,621.0		

** 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)

① *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)	17,847.0	19,198.0	20,621.0

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

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

TOTAL available water supply converted to acre feet	**17,847**	**19,198**	**20,621**

>> 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 City of Hemet is one of four public agencies who pump from an adjudicated basin. The basin is overseen by the Hemet-San Jacinto Watermaster who administers a ground water monitoring program for the management area. Information regarding groundwater monitoring results can be found in the Hemet-San Jacinto Watermaster

How frequently are groundwater elevations monitored?

Pick one: monthly

Optional notes and comments:

The City of Hemet is able to monitor water level data in real time via a SCADA system and also performs physical well sounding, at regular monthly intervals, with groundwater elevations recorded manually. Groundwater elevations are also monitored by the Watermaster two times per year in the basin.

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: 270 feet

In June 2013: 271 feet

Optional notes and comments:

In an effort to provide a more accurate representation of the water table level we are providing static groundwater elevation recorded in the months nearest June 2013 and June 2016 at City of Hemet Well No. 2A. Those static elevations are from the dates of February 20th 2013 and April 18th 2016. Supporting information can be found on 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 additional information in the notes or supporting documentat

145 feet

Optional notes and comments:

This number is the result of subtracting the pumping water level from the pump depth in City of Hemet Well No. 2A. Safe withdrawl depths for all City of Hemet wells are provided in the Safe Yield tab on the City of Hemet Worksheet 1 Calculations file.

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: No

Describe:

City of Hemet Base Production Calculations

Table 1

Hemet-San Jacinto Watermaster Base Production Rights	City of Hemet Well Production (AF)
Percentage of Wtr. Rights for Jan-April	**25.2%**
Percentage of Wtr. Rights for May-Dec	74.8%
Annual Base Production Rights	6320
Total reductions in 6 years	1,778
Ultimate Adjusted Base Production in 6 Years	4,542
May 2014-April 2015 Adjusted Base Production (Yr. 2)	5,778
May 2015-April 2016 Adjusted Base Production (Yr. 3)	5,437
May 2016-April 2017 Adjusted Base Production (Yr. 4)	5,119
May 2017-April 2018 Adjusted Base Production (Yr. 5)	4,824
May 2018-April 2019 Adjusted Base Production (Yr. 6)	4,542
Adjusted Production Rights for Calendar Year 2016	5,199
Adjusted Production Rights for Calendar Year 2017	4,898
Adjusted Production Rights for Calendar Year 2018	4,613
Adjusted Production Rights for Calendar Year 2019	4,542

Table 2

AVERAGE MONTHLY Adjusted Base Production Right			BASE PRODUCTION RIGHTS BY WATER YEAR			
CALENDAR YEAR	TOTAL A.B.P.R.	AVG MONTHLY A.B.P.R.	WATER YR	A.B.P.R. OCT 1-DEC 31	A.B.P.R. JAN 1-SEP 31	TOTAL
2016	5,199	433	**2017**	1300	3674	**4973**
2017	4,898	408	**2018**	1225	3460	**4684**
2018	4,613	384	**2019**	1153	3406	**4560**
2019	4,542	378				

Table 3

UNUSED ADJUSTED BASE PRODUCTION RIGHTS (Rounded to nearest whole number) - Calculations begin assuming an opening carry over of 4,706 acre fee of Unused A.B.P.R.					
CAL YR	TOTAL	DIFFERENCE	AVG.	WY	TOTAL
2016	5263	557	46	2017	5511
2017	5593	331	28	2018	5681
2018	5710	117	10	2019	5758
2019	5774	64	5		

CITY OF HEMET PUBLIC UTILITY DEPARTMENT

MONTHLY WELL WATER LEVELS

MONTH: APRIL **YEAR: 2016**

WELL #	STATE WELL #	DATE	DEPTH STATIC	DEPTH PUMPING	TYPE OF SOUNDING AIR	TYPE OF SOUNDING ELEC	PUMP DEPTH	PREVIOUS	PREVIOUS S	PREVIOUS P
		4/18	270					3/16	268	
2	**5S1W-10P01S**					x	460			
		N/A						3/16	N/A	
3	**5S1W-22D02S**					x	546			
		4/18	258.0					3/16	260.0	
4	**5S1W-22D03S**					x	452			
		4/18	222					3/16	226	
10	**5S1W-16L01S**					x	302			
		4/18	509					3/16	505	
12	**5S1W-11A01S**					x	823			
		4/18	246					3/16	247	
13	**5S1W-03K01S**					x	540			
		4/18	259.0					3/16	261.0	
14	**5S1W-21A03S**					x	442			
		4/18		261.0				3/16		273.0
15	**5S0W17J0025**					x	400			
		4/18	226					3/16		309
16						x	460			
MHP	**5S1W-17J01S**	4/18	224					3/16	236	
SWP	**5S1W-20N01S**	4/18	136.5					3/16	136	
MLO	**5S1W-04N01S**	4/18	225					3/16	224	
CYD	**5S1W-17P01S**	4/18	189.5					3/16	194	
OLV		4/18	36.5					3/16	36	
W-1 DIS	**5S1W-10G01S**	4/18	270					3/16	270	

MHP- MARY HENLEY PARK - MONITORING WELL
SWP- SOUTH WEST PARK - MONITORING WELL
MLO - MENLO BET. KIRBY AND LYON - MONITORING WELL
CYD - CITY YARD - MONITORING WELL
OLV - OLIVE TREE WELL
WELL -1 DISCHARGE WELL (old EMWD well 20)

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CITY OF HEMET PUBLIC UTILITY DEPARTMENT

MONTHLY WELL WATER LEVELS

MONTH: FEBRUARY **YEAR: 2013**

WELL #	STATE WELL #	DATE	DEPTH STATIC	DEPTH PUMPING	TYPE OF SOUNDING AIR	TYPE OF SOUNDING ELEC	PUMP DEPTH	PREVIOUS	PREVIOUS S	PREVIOUS P
2	**5S1W-10P01S**	2/20	271			x	460	1/21		310
3	**5S1W-22D02S**	N/A				x	546	NA		
4	**5S1W-22D03S**	2/20	263		x		405	1/16	254	
7	**5S1W-21C02S**	2/20	NA				412	1/21		323
10	**5S1W-16L01S**	2/20	221		x		302	1/16	221	
12	**5S1W-11A01S**	2/21	460			x	750	1/21		652
13	**5S1W-03K01S**	2/21		493		x	540	1/21	256	
14	**5S1W-21A03S**	2/20		309.5		x	442	1/21		326.5
15	**5S0W17J0025**	2/20	224.1			x	400	1/16	216.3	
16		2/20		310		x	440	1/21	212	
MHP	**5S1W-17J01S**	2/20	214.5					1/16	209.5	
SWP	**5S1W-20N01S**	2/20	134.5					1/21	134	
MLO	**5S1W-04N01S**	2/21	225.5					1/16	225	
CYD	**5S1W-17P01S**	2/20	188.5					1/16	187.5	
OLV		2/20	33					1/21	33.5	
W-1 DIS	**5S1W-10G01S**	2/21	268.5					1/16	271	

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City of Hemet Groundwater

SAFE YEILD LEVELS			
WELL	PUMP SET LEVEL	PUMPING LEVEL OF WATER	WITHDRAWL AMOUNT
2A	460	315	145
10	302	270	32
12	823	670	153
15	400	261	139
16	460	296	164

*AMOUNT OF WATER IN FT. THAT CAN BE WITHDRAWN WITHOUT SUBSTANTIALLY AFFECTING ABILITY TO PUMP.