

Exhibit 1
City of Vacaville
Water Supply Stress Test Simulation
Three-Year Continued Drought Conditions (2017 - 2019)

Supply Source	2016 Available Supply (AF)	2016 Projected Use (AF)	2017 Available Supply (AF)	2017 Projected Use (AF)	2018 Available Supply (AF)	2018 Projected Use (AF)	2019 Available Supply (AF)	2019 Projected Use (AF)
SWP Table A Base Allocation (Note 1)	6734	6734	3142	3142	448	448	2244	2244
SWP Carryover	0	0	0	0	0	0	0	0
SWP Settlement Water (Note 2)	0	0	0	0	0	0	0	0
Solano Project Entitlement (Note 3)	5750	0	5750	0	5462	0	5462	0
Solano Project Carryover	20154	1963	23941	5355	24336	7849	21949	5853
Solano Project SID Agreement	3325	3325	3525	3525	3725	3725	3925	3925
Groundwater Wells (Note 4)	6075	5200	6075	5200	6075	5200	6075	5200
TOTAL WATER AVAILABLE	42038		42433		40046		39655	
TOTAL WATER USED (Note 5)		17222		17222		17222		17222

- Notes:
1. State Water Project base allocation of 6734 AF in 2016 is 75% of Table A Base of 8978 AF/YR. Assumed SWP allocations for 2017 through 2019 are 25%, 5%, and 35% respectively to match actual allocations for 2013 through 2015, per Stress Test criteria. Water use assumption is that SWP water allocation will be used completely each year during Stress Test period.
 2. Assumption that no Settlement Water will be used from SWP because of poor water quality conditions or environmental constraints.
 3. Solano Project Entitlement of 5750 AF is assumed to be reduced by 5%, starting in 2018, due to Lake Berryessa storage volume dropping below 800,00 AF yet still being greater than 400,000 AF, per Solano Project Users Agreement.
 4. City of Vacaville policy is to extract no more than 75% of aquifer sustainable yield (8100 AF) unless in emergency conditions. Available supply is therefore 6075 AF/year. Actual volume of groundwater extracted annually over the past five years has averaged 5200 AF.

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5. Total annual water use for 2013 was 18,650 AF. The total used in 2014 was 15,793 AF. The average of these two years was 17,222 AF.

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