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 that will be in effect from June 2016 through January 2017 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. These standards require local water agencies to ensure a three-year supply assuming three more dry years like the ones the state experienced from 2012 to 2015. Water agencies that would face shortages under three additional dry years will be required to meet a conservation standard equal to the amount of shortage. The California Water Board has recently modified their Emergency Water Regulation.

The City of Susanville is located within the Honey Lake Valley Ground Water Basin (HLVGWB). The HLVGWB stores ample water to supply our small community for several years and recharges quickly (DWR Bulletin 118). Two large springs supply water to Susanville and during the non-irrigation season the water from the springs is more than adequate to supply the needs of the community without pumping groundwater.

The City of Susanville has prepared an analysis of available water supply over the next three years. The analysis is simple and based upon the City's physical ability to obtain water from existing sources, including springs and ground water wells. The results of the analysis indicate that the City has the ability to produce over twice the amount of water that is historically used within our community.

Susanville Water Calculations

Calculate Total Water Demand			
Potable Water Production in Calendar Year 2013			3191 acre-feet
Potable Water Production in Calendar Year 2014			3104 acre-feet
Total Potable Water Demand = ([3191 acre-feet] + [3104 acre-feet])/2			3147.5 acre-feet
Calculate Total Water Supply			
Potable Water Supply	Year 1	Year 2	Year 3
Ground Water Springs (acre-feet)	2387	2387	2387
Ground Water Wells (acre-feet)	5032	5032	5032
Total Water Supply (acre-feet) =[Ground Water Spings]+[Ground Water Wells]	7419	7419	7419
Calculate Conservation Standard			
Total Water Demand (from Step 1)			3147.5 acre-feet
Total Water Supply in Year 3 (from Step 2)			7419 acre-feet
Supply Shortfall in Year 3 (negative amount indicates a surplus) =[3147.5 acre-feet] - [7419 acre-feet]			-4271.5
Conservation Standard with Self-Certification of Supply Relaibility [Shortfall in Year 3] / [Total Potable Water Demand] *			0%

* There is no shortfall in Year 3, the conservation standard is 0%.

Water Production Capability				
Source	Production GPM	Max Daily Production Gallons	Max Daily Production Cubic Feet	Max Annual Production Acre Feet
CADY SPRINGS	780	1123200	150140.36	1258.06313
BAGWELL SPRINGS	700	1008000	134741.34	1129.03101
WELL 1	650	936000	125116.96	1048.38594
WELL 3	1350	1944000	259858.31	2177.41695
WELL 4	675	972000	129929.15	1088.70847
WELL 5	445	640800	85656.998	717.741143
Total	4600	6624000	885443.12	7419.34664