

## **Suisun-Solano Water Authority Self-Certified Conservation Standard**

The State Water Resources Control Board (SWRCB) adopted Emergency Water Conservation Regulations (Resolution No. 2016-0029) on May 18, 2016, which requires water suppliers to provide a self-certification of water supply and demand, assuming that water shortages continue through 2019. The regulation replaces the prior water conservation standard, or target, with a standard based on an agency's specific circumstances related to water supplies and demand. The regulation has been in place since June 2016, and will remain through January 2017. This analysis, or water supply "Stress Test" addresses the Suisun-Solano Water Authority (SSWA) water conservation standard for the years 2017, 2018, and 2019.

### **Water Demand**

To determine the annual water demand for 2017 – 2019, the SWRCB assigned the average water production for the calendar years 2013 and 2014. SSWA's demand is as follows:

Gross production (demand) of Potable Water from the Cement Hill Water Treatment Plant:

2013	4,282 acre feet
2014	3,700 acre feet
Average demand	3,991 acre feet

### **Water Supply Sources**

1) Suisun City has an Entitlement of the Federal Solano Project (Lake Berryessa)

2017	1,600 acre feet
2018	1,520 acre feet
2019	1,520 acre feet

2) Solano Irrigation District Entitlement of the Federal Solano Project, delivered to SSWA to meet annual demand in excess of the Suisun City Entitlement

2017	2,391 acre feet
2018	2,471 acre feet
2019	2,471 acre feet

3) State Water Project – A supply allocation of 1,300 acre feet /year is not available due to the lack of conveyance facilities to deliver water to the Cement Hill Water Treatment Plant.

Total water supply for 2017, 2018, 2019 = 3,991 acre feet /year

Total demand for 2017, 2018, 2019 = 3,991 acre feet /year

### **Shortfall**

Supply shortfall as a percentage of total water demand is 0%.

### **Conservation Standard = 0%**

In summary, SSWA meets the "Stress Test" Its water supplies meet the demand for the period 2017 – 2019.