

Suisun-Solano Water Authority
Water Supply Stress Test Simulation
Three-Year Continued Drought Conditions (2017 - 2019)

Supply Source	2016 Available (a) Supply (AF)	2016 Estimated Use (AF)	2017 Available (a) Supply (AF)	2017 Estimated Use (AF)	2018 Available (a) Supply (AF)	2018 Estimated Use (AF)	2019 Available (a) Supply (AF)	2019 Estimated Use (AF)
Suisun City Entitlement for Solano Project Water (b)	1,600	1,600	1,600	1,600	1,520	1,520	1,520	1,520
Solano Irrigation District Entitlement for Solano Project Water delivered to SSWA (c)	2,391	2,391	2,391	2,391	2,471	2,471	2,471	2,471
State Water Project Allocation (d)	0	0	0	0	0	0	0	0
Total Water Available	3991		3991		3991		3991	
Total Water Demand (e)		3,991		3,991		3,991		3,991
Supply Surplus / Deficiency			0		0		0	
Percent Conservation Required (f)			0%		0%		0%	

Notes:

(a) Available Supply is for the Water Year, as required by the State Board

(b) Water supplies delivered to SSWA by Suisun City under the Solano Project Entitlement (Lake Berryessa). The Suisun City Entitlement of 1,600 AF is assumed to be reduced by 5% starting in 2018, due to Lake Berryessa storage volume dropping below 800,000 AF yet still being greater than 400,000 AF per the Solano Project Members Agreement.

(c) Any demand beyond the Suisun City Entitlement is provided by SID through its Entitlement for Solano Project water.

(d) The Suisun City allocation of 1,300 AF/year is not available due to the lack of infrastructure to convey North Bay Aqueduct (NBA) water to the Cement Hill Water Treatment Plant. However, in dry years, SSWA has exchanged the NBA allocation to other NBA contractors for a portion of their Solano Project allocation.

(e) Total water demand is determined by the average of the demand in 2013 and 2014.

(f) Water supplies are adequate to meet demand under the test criteria. Although the required conservation is 0% the City of Suisun City will continue to implement water conservation programs.