

Estimated Lopez Water Supplies (October 1, 2016 - September 30, 2019)

All Values in Acre Feet

Agency	Yearly Entl.	%	Surface Water	Carryover (Existing)	Inflow (Estimated) ¹	3 Year Total Available ²
Arroyo Grande	2,290.0	50.55%	12	937	1,736	2,685
Oceano	303.0	6.69%	2	713	230	944
Grover Beach	800.0	17.66%	4	308	607	919
Pismo Beach	896.0	19.78%	5	1,228	679	1,912
CSA12	241.0	5.32%	1	390	183	574
Totals	4,530.0	100%	25	3,575	3,435	7,035

1. Estimated from 3 year Hydrology shown below.

2. Yearly delivery cannot exceed annual entitlement per contract

Available Water Calculation

	Acre-Feet
Estimated Reservoir Capacity on 10/1/2016	9,850
Carryover	(3,575)
Downstream Releases ¹	(2,250)
Min. Pool	(4,000)
Surface Water	25
Inflow (3 Year Total)	3,435
Total Water Available over 3 Years²	7,035

1. Releases per meeting with TAC and Agriculture reps

2. Total Water Available includes Surface Water, Carryover, and Inflow

HYDROLOGY for WYs 2013 - 2015

	WATER YEAR	Lake Evap. (AF)	Lake Precip. (AF)	Stream Inflow (AF)	Net Change (AF)
Oct. 1 - Sept. 30	2012/13	(1,685)	982	2,202	1,499
Oct. 1 - Sept. 30	2013/14	(1,534)	378	1,323	166
Oct. 1 - Sept. 30	2014/15	(1,143)	472	2,441	1,770
	Total Net Change				3,435

Estimated Nacimiento Water Supplies (October 1, 2016 - September 30, 2019)

All Values in Acre Feet

Participant	Yearly Entl.	%	WY 2017 Available	WY 2018 Available	WY 2019 Available
Paso Robles	6,488	37.07%	6,488	4,111	6,488
Templeton	406	2.32%	406	257	406
Atascadero	3,244	18.54%	3,244	2,055	3,244
City of SLO	5,482	31.33%	5,482	3,473	5,482
CSA 10A	40	0.23%	40	25	40
Santa Margarita	80	0.46%	80	51	80
Bella Vista MHP	10	0.06%	10	6	10
Lakeside	1,750	10.00%	1,750	1,109	1,750
Totals	17,500	100%	17,500	11,088	17,500

Notes: Yearly total delivery cannot exceed 17,500 acre feet

Available Water Calculation provided by MCWRA 6/16/2016:

Projection Year	Hydrologic Reference Year	Water Year Type	Start Date	Oct. 1 Storage (AF)	Winter Inflow from Reference Year (AF)	Storage Above Minimum Pool After Winter Inflow (AF)	Estimated Reservoir Evaporation (AF)	Fisheries Releases (AF)	Block Flow Releases (AF)	Block Flow Status	SVWP / Conservation Releases (AF)	SRDF Operation	NWP and Lakeside Use (AF)	End of WY Storage (AF)	Comments
WY 2017	WY 2013	dry-normal	10/1/2016	94,209	56,252	128,161	18,000	43,439	0	Triggers not met in WY 13	48,080	Apr-May	17,500	23,442	
WY 2018	WY 2014	dry	10/1/2017	23,442	7,500	8,642	8,000	5,144	0	Dry YT	0	No	11,088	6,710	MCWRA can not release below 10,300 AF, SLO can not pump below 6,710 AF
WY 2019	WY 2015	dry	10/1/2018	6,710	50,513	34,923	9,000	21,685	0	Dry YT	0	No	17,500	9,038	

The following assumptions were used to estimate Nacimiento Reservoir water availability to the Nacimiento Water Project for Water Years 2017-2019 in response to the May 2016 Emergency Regulation from the State Water Resources Control Board:

- Hydrologic conditions including reservoir inflow for the Water Year (WY) 2017, 2018, 2019 projections are based on actual WY 2013, 2014, 2015 conditions respectively
- The October 1, 2016 starting reservoir storage is a projection is from the Monterey County Water Resources Agency (MCWRA) 2016 Reservoir Release Schedule
- Reservoir evaporation is estimated from WY 2013, 2014, 2015 values as reported in MCWRA Reservoir Release Schedules
- As required by the Salinas Valley Water Project (SVWP) Biological Opinion (BO), fisheries releases of 60 cfs will be made from Nacimiento Reservoir above the minimum pool storage of 22,300 AF
- Water Conservation/SVWP releases totals are calculated from estimated daily release values that consider concurrent releases from San Antonio Reservoir to provide flow to the Salinas River Diversion Facility (SRDF)
- Block Flow Releases are under certain circumstances, required by the BO for the downstream migration of smolting steelhead
- The Nacimiento Reservoir Dead Pool is the physical minimum pool of the reservoir at which water can no longer be released by gravity, elevation 670 ft, 10,300 AF of storage
- The Nacimiento Water Project intake is at elevation 662 feet, approximately 6,710 AF of storage

Estimated State Water Supplies (October 1, 2016 - September 30, 2019)

All Values in Acre Feet

Contractor	Annual Allocation	Avg Demand WY 13 & 14	3 Year Total Available
CMC	400	358	1200
Co. Ops	425	379	1275
Cuesta	200	177	600
Morro Bay	1,313	1141	3939
Pismo	1,240	888	3720
Oceano	750	463	2250
AVMWC	20	20	60
ABCSD	100	50	300
SMMWC	275	109	825
SLOCUSD	7	5	21
Shandon	100	0	300
Totals	4,830	3,589	14,490

Notes: Yearly delivery cannot exceed annual allocation per contract

Available Water Calculation

Historic SWP Delivery % WYs 2013 - 2015

District Allocation	Water Year	SWP Delivery %	State Water Available for Contractors (AF)	Average Demand WY 13&14
25,000 AF				
Oct. 1 - Sept. 30	2012/13	65%/35%	10,625	3,589
Oct. 1 - Sept. 30	2013/14	35%/5%	3,125	3,589
Oct. 1 - Sept. 30	2014/15	5%/20%	4,063	3,589
	3 Year Water Supply Total		17,813	10,767

Amounts above do not include available stored water at San Luis Reservoir