

Wholesale Water Supply Assessment - Revised 8/22/2016

Demands for Metropolitan Water Supply

	2017	2018	2019
Total Member Agency Wholesale Requests	1,750,490	1,718,154	1,725,949
Total Water Demand	1,750,490	1,718,154	1,725,949

Metropolitan Water Supply Sources

	2017	2018	2019
Total State Water Project Supplies	736,960	105,280	421,120
Total Colorado River Aqueduct Supplies	719,065	771,295	733,180
<i>Structural Conservation since 2013-2014*</i>	<i>62,451</i>	<i>58,422</i>	<i>52,320</i>
Total Storage: Take/(Put)	294,465	841,579	571,649
Total Water Supply	1,750,490	1,718,154	1,725,949

Water Supply and Demand Balance

	2017	2018	2019
Total Water Demand	1,750,490	1,718,154	1,725,949
Total Water Supply	1,750,490	1,718,154	1,725,949
Water Balance: Surplus/(Shortage)	0	0	0
Reduction to Wholesale Water Requests	0%	0%	0%

*Structural conservation savings are excluded from this assessment per SWRCB memo 6/22/2016

Updates

8/22/16 - Revisions are based on corrected and reconciled water supplies available from SWP and CRA transfers, exchanges and delivery agreements with Desert Water Agency and Coachella Valley Water District.

6/22/16 - These figures and associated analyses are revised from Metropolitan's 6/15/16 posting. The revisions are based on updated estimates of wholesale requests for water supplies provided by Metropolitan's member agencies. Among other supply and demand changes, the revised information removes, per SWRCB direction, the value of water supplies developed through the investments in structural conservation and recycled water that offsets potable demands for water. Metropolitan has a concern with the SWRCB direction on conservation and recycled water because it ignores the legitimate supply value of investments made in these areas. This is in conflict with state policy recognizing and encouraging the development of conservation and recycled water supplies. Further, the exclusion of conservation and recycled water may lead to a misinterpretation of the implied potable Gallons Per Capita water use associated with this water supply and demand analysis.

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Wholesale Water Demands - Revised 8/22/2016

Member Agency Wholesale Requests

	2017	2018	2019
City of Anaheim	19,682	19,691	19,688
City of Beverly Hills	10,917	10,917	10,917
City of Burbank	14,271	14,246	14,246
Calleguas MWD	111,980	111,931	111,931
Central Basin MWD	53,065	53,096	37,127
City of Compton	389	0	361
Eastern MWD	97,217	99,805	101,053
Foothill MWD	9,380	9,409	9,525
City of Fullerton	8,762	8,766	8,765
City of Glendale	19,114	19,292	19,394
Inland Empire Utilities Agency	69,752	69,752	61,269
Las Virgenes MWD	23,517	23,517	23,517
City of Long Beach	26,053	26,053	26,053
Los Angeles DWP	385,624	387,624	424,024
Municipal Water District of Orange County	226,880	226,880	226,880
City of Pasadena	21,714	21,714	21,714
San Diego County Water Authority	290,798	257,237	233,242
City of San Fernando	0	0	190
City of San Marino	962	962	962
City of Santa Ana	11,577	11,583	9,581
City of Santa Monica	5,033	5,033	5,033
Three Valleys MWD	67,970	71,828	74,269
City of Torrance	19,457	15,457	15,457
Upper San Gabriel Valley MWD	48,963	48,651	66,784
West Basin MWD	129,042	127,706	127,213
Western MWD	78,374	77,007	76,757
Total Member Agency Wholesale Requests	1,750,490	1,718,154	1,725,949

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Wholesale Water Demands Documentation

The Member Agency Wholesale Requests shown in this table were provided to Metropolitan by each of its Member Agencies through a coordinated data collection process.

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Imported Water Supplies - Revised 8/22/2016

State Water Project Base Supply Programs

	2017	2018	2019
State Water Project Allocation	35%	5%	20%
MWD Table A	669,025	95,575	382,300
DWCV Table A	67,935	9,705	38,820
Total State Water Project Supplies	736,960	105,280	421,120

Colorado River Aqueduct Base Supply Programs

	2017	2018	2019
Basic Apportionment – Priority 4	550,000	550,000	550,000
IID/MWD Conservation Program	85,000	85,000	85,000
Priority 5 Apportionment (Surplus)	0	0	0
Canal Lining Supplies - San Luis Rey	16,000	16,000	16,000
PVID Land Management Program	130,000	130,000	130,000
Lower Colorado Water Supply Project	8,000	8,000	8,000
Binational ICS	0	24,000	0
Forbearance for Present Perfected Rights	(2,000)	(2,000)	(2,000)
CVWD SWP/QSA Transfer Obligation	(35,000)	(35,000)	(35,000)
DWCV SWP Table A Obligation	(67,935)	(9,705)	(38,820)
DWCV SWP Table A Transfer Callback	35,000	5,000	20,000
SNWA Agreement Payback	0	0	0
Total Colorado River Aqueduct Supplies	719,065	771,295	733,180

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Imported Water Supplies Documentation

State Water Project Base Supply Programs

Program	Reference
State Water Project Allocation	Historical State Water Project Allocations
MWD Table A	2015 Urban Water Management Plan; A.3-18
DWCV Table A	2015 Urban Water Management Plan; A.3-19

Colorado River Aqueduct Base Supply Programs

Program	Reference
Basic Apportionment – Priority 4	2015 Urban Water Management Plan; A.3-1
IID/MWD Conservation Program	2015 Urban Water Management Plan; A.3-3
Priority 5 Apportionment (Surplus)	2015 Urban Water Management Plan; A.3-5
Canal Lining Supplies - San Luis Rey	2015 Urban Water Management Plan; A.3-8
PVID Land Management Program	2015 Urban Water Management Plan; A.3-5
Lower Colorado Water Supply Project	2015 Urban Water Management Plan; A.3-13
Binational ICS	2015 Urban Water Management Plan; A.3-14
Forbearance for Present Perfected Rights	2015 Urban Water Management Plan; A.3-3
CVWD SWP/QSA Transfer Obligation	2015 Urban Water Management Plan; A.3-10
DWCV SWP Table A Obligation	2015 Urban Water Management Plan; A.3-19
DWCV SWP Table A Transfer Callback	2015 Urban Water Management Plan; A.3-19
SNWA Agreement Payback	2015 Urban Water Management Plan; A.3-12

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Other Water Supplies - Revised 8/22/2016

Growth in Structural Conservation

	2017	2018	2019
Existing Structural Conservation	225,183	221,154	215,052
Structural Conservation as of 2013-2014	162,733	162,733	162,733
<i>Structural Conservation since 2013-2014*</i>	<i>62,451</i>	<i>58,422</i>	<i>52,320</i>

*Structural conservation savings are excluded from this assessment per SWRCB memo 6/22/2016

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Other Water Supplies Documentation

Structural conservation is device and program-based conservation originally funded by Metropolitan and/or member and local agencies. Examples are ULFT Toilet retrofits, Irrigation Controllers and Turf Removal. For additional information reference:

[Annual Progress Report on Achievements in Conservation, Recycling and Groundwater Recharge 2015 Integrated Water Resources Plan Update; 3.20](#)

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Water Supplies from Storage - Revised 8/22/2016

Annual Storage Use

	2017	2018	2019
Puts to Storage	0	0	0
Takes from Storage	294,465	841,579	571,649
Total Storage: Take/(Put)	294,465	841,579	571,649

Annual Storage Accounting

	2017	2018	2019
Total Estimated Starting Storage Balance	2,117,000	1,822,535	980,957
Total Storage: Take/(Put)	294,465	841,579	571,649
Total Estimated Ending Storage Balance	1,822,535	980,957	409,308

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Water Supplies from Storage Documentation

2017 Total Estimated Starting Storage Balance includes projected dry-year storage of 1,487,000 acre-feet, and 630,000 acre-feet of additional emergency storage. For additional information reference:

[Water Surplus and Drought Management Report as of 5/10/2016](#)

Metropolitan Water Storage Programs

Program	Reference
In-Region Surface Storage	2015 Urban Water Management Plan; A.3-37
Flexible Storage Accounts	2015 Urban Water Management Plan; A.3-40
State Water Project Carryover	2015 Urban Water Management Plan; A.3-18
Groundwater Conjunctive Use Programs	2015 Urban Water Management Plan; A.3-44
Kern Delta Water Management Program	2015 Urban Water Management Plan; A.3-31
Antelope Valley East Kern Program	2015 Urban Water Management Plan; A.3-26
San Bernardino Valley MWD Program	2015 Urban Water Management Plan; A.3-24
Arvin-Edison Water Management Program	2015 Urban Water Management Plan; A.3-22
Semitropic Water Banking and Exchange	2015 Urban Water Management Plan; A.3-21
Mojave Water Agency Storage Program	2015 Urban Water Management Plan; 3-27
Desert Water/Coachella Valley Programs	2015 Urban Water Management Plan; A.3-19
Lake Mead ICS Program	2015 Urban Water Management Plan; A.3-14
Emergency Storage	2015 Urban Water Management Plan; A.3-38

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