



Western Municipal Water District

Drought Update

March 16, 2016



** Presentation includes preliminary data and is subject to change

Monthly Progress Report



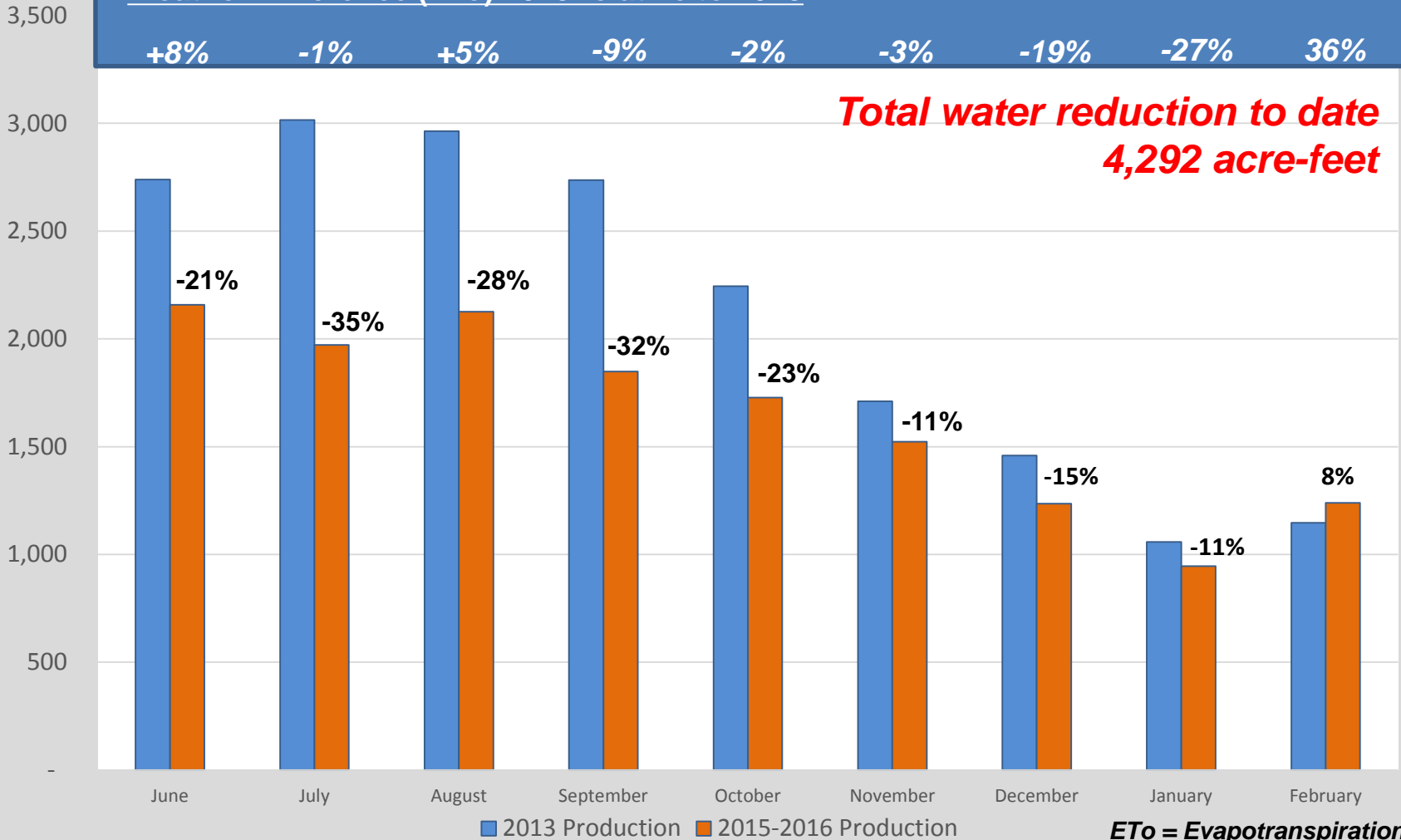
Western Retail
Potable Water Production

Preliminary

Weather Difference (ETo) 2015 relative to 2013

+8% -1% +5% -9% -2% -3% -19% -27% 36%

**Total water reduction to date
4,292 acre-feet**

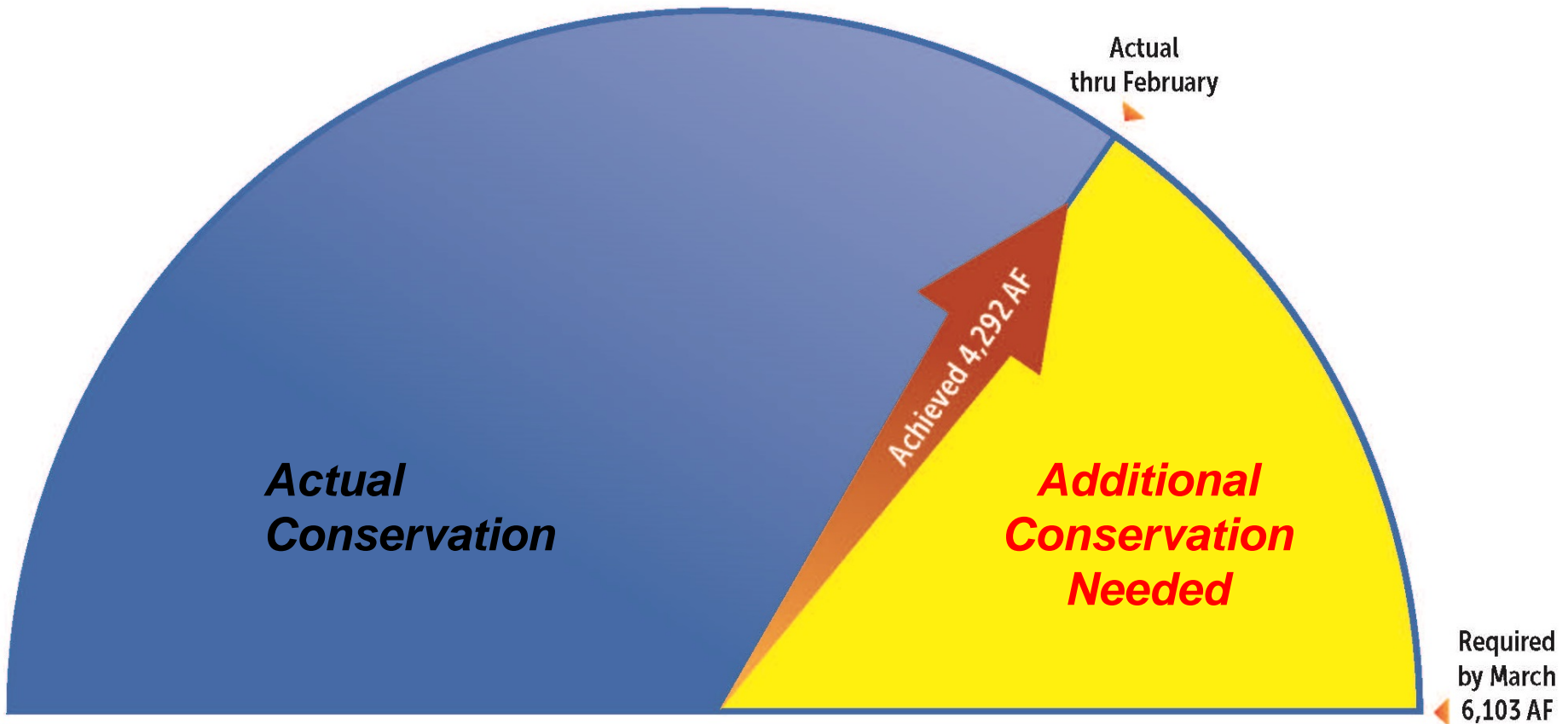


ETo = Evapotranspiration

Cumulative Progress Report



Preliminary



- Cumulative reduction to date is 23% (4,292 acre-feet)

Western Drought Update



Reported enforcement actions

Preliminary

	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Water waste complaints	62	31	23	26	25	12	9	14	26
Contact follow-ups	48	20	20	8	20	10	6	10	30
Warning Actions	43	15	10	2	6	2	2	3	14
Violation penalties	0	0	0	0	0	0	0	0	0



Agencies within the General District



Agency	Conservation Target	Cumulative through January 2016	Missed Standard by %
City of Corona	28%	20.6%	7.4%
Elsinore Valley MWD	28%	24.1%	3.9%
Jurupa Community Services District	28%	22.2%	5.8%
City of Norco	36%	24.5%	11.5%
Rancho California Water District	36%	30.2%	5.8%
City of Riverside	28%	22.3%	5.7%
Riverside Highland Water Company	36%	31.3%	4.7%
Rubidoux Community Services District	28%	21.7%	6.3%
Temescal Valley Water District	32%	28.0%	4.0%
Western Municipal Water District	32%	24.5%	7.5%

Growth Adjustment



Western's Calculation of Growth Adjustment		
Original Conservation Standard		32%
Western Reports:		
Number of New Permanent Residents Added since Jan. 1, 2013		892 people
Number of New CII Connections Added since Jan. 1, 2013		116 connections
Average CII Water Use per CII Connection Feb.–Oct. 2015		1,576,645 gallons/connection
Pulled from Feb.–Oct. 2015 Reports, as Submitted by Jan. 1, 2016		
Residential Gallons per Capita per Day (R-GPCD) Feb.–Oct. 2015		126 gallons/people-day
Baseline Total Water Production Feb.–Oct. 2013		6,948,129,978 gallons
Calculated by State Water Resources Control Board		
Volume of Water Attributed to New Permanent Residents = [892 people] * [126 gallons/people-day] * [270 days]		30,369,924 gallons
Volume of Water Attributed to New CII Connections = [116 connections] * [1,576,645 gallons/connection]		182,890,855 gallons
Total Volume of Water Attributed to Growth since 2013 = [30,369,924 gallons] + [182,890,855 gallons]		213,260,779 gallons
Percent Change in Potable Water Production Due to Growth since 2013 = [213,260,779 gallons] / [6,948,129,978 gallons]	0.031	3.1%
Adjusted Conservation Standard = 32% * [1-0.031]		31.0%

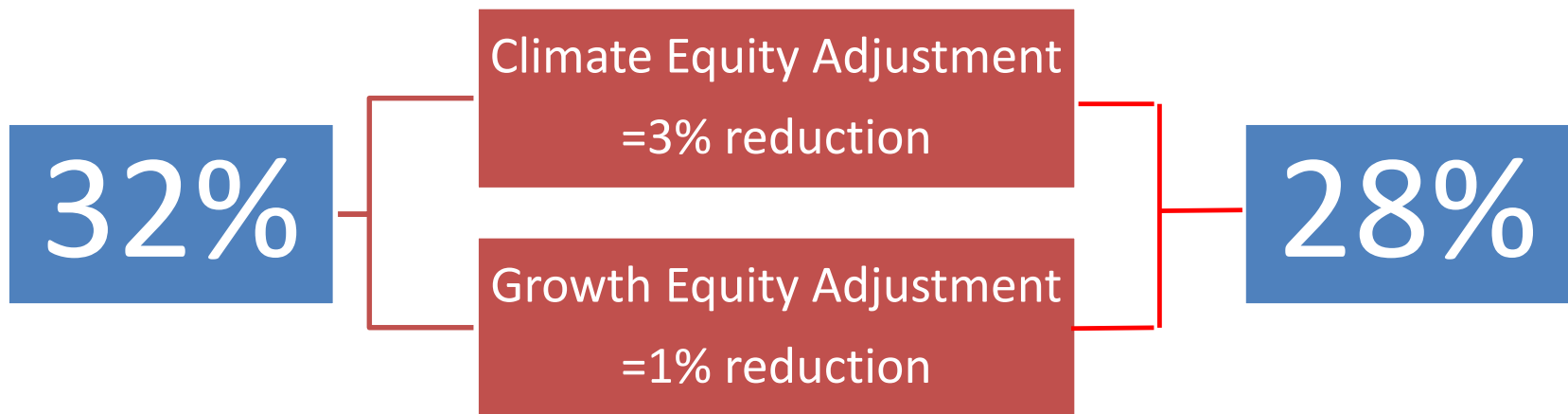
Climate Adjustment



CIMIS Station 44

Western's Calculation of In-Lieu Climate Adjustment	
Original Conservation Standard	32%
Western Reports:	
Service Area Average ETo July	7.47 inches
Service Area Average ETo Aug.	7.56 inches
Service Area Average ETo Sept.	6.01 inches
State Water Board Provided Value:	
Statewide Average ETo July–Sept.	6.34 inches
Calculated by State Water Resources Control Board	
Service Area Average ETo July–Sept. = $(7.47 + 7.56 + 6.01) / 3$	7.01 inches
Service Area % Deviation from Average ETo = $(7.01 - 6.34) / 6.34$	11%
Climate Adjustment	-3%
Adjusted Conservation Standard	29%

Proposed Adjustments for Western



Discussion