

Water Supply Briefing

Water Operations Department

April 28, 2015

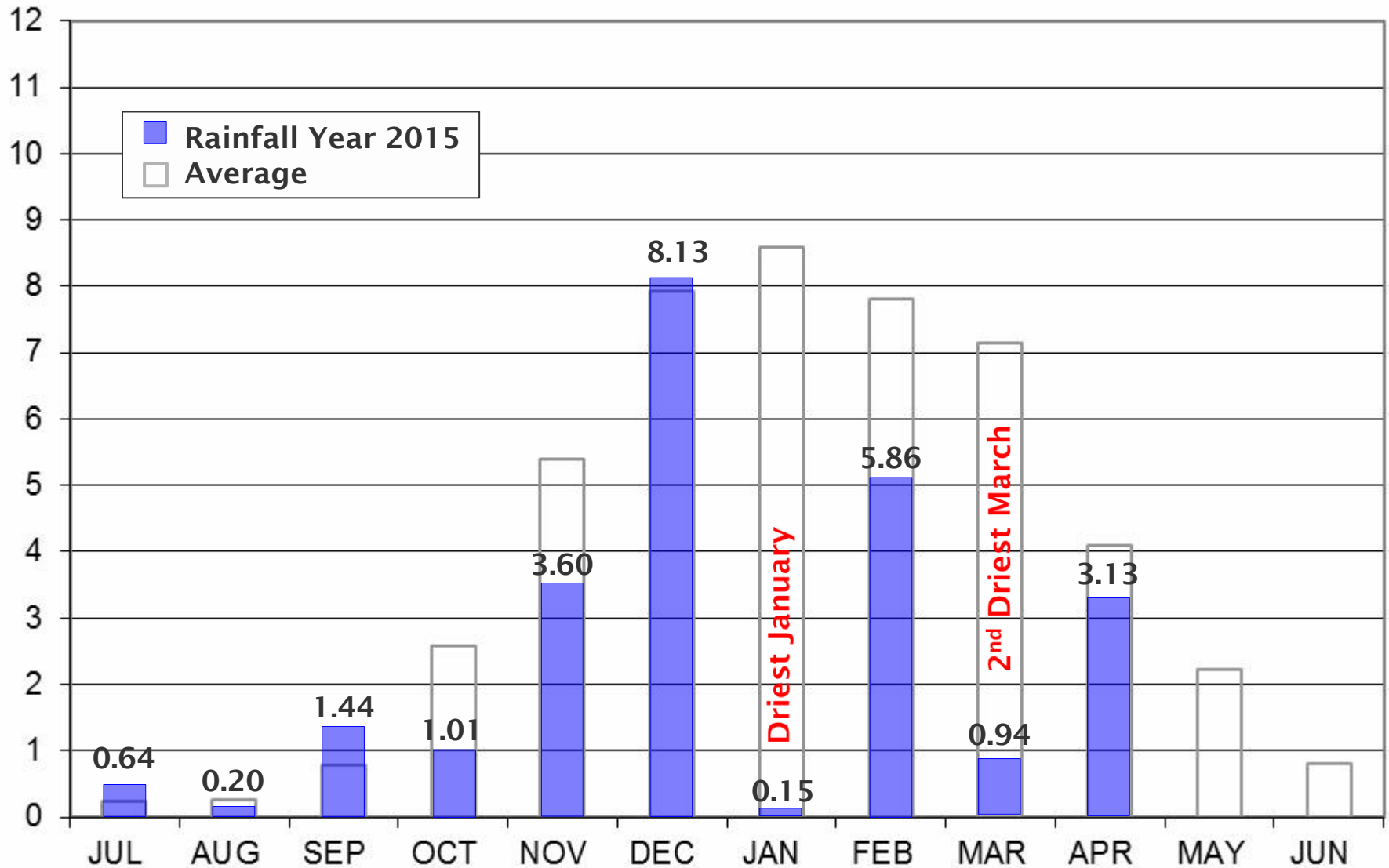
Water Supply Briefing



- Current Water Supply
- Water Supply Projections
- Drought Plan

Current Water Supply

Mokelumne Precipitation



Current Water Supply

Precipitation & Snow



Leah Millis (SF Chronicle)

As of 04/27/15	Cumulative Precipitation	% of Average
East Bay		
East Bay Watershed	19.16"	75%
Mokelumne Basin		
4-Station Average	25.07"	56%
Caples Lake Snow Depth	4"	8%
Caples Lake Snow Water Content	1.2"	5%

Current Water Supply

Reservoir Storage



As of 04/27/15	Storage	Percent of Average	Percent of Capacity
Pardee	178,780 AF	97%	90%
Camanche	104,790 AF	34%	25%
East Bay	114,810 AF	81%	76%
Total System	398,380 AF	63%	52%

Water Supply Projections

Mokelumne Runoff



Tom Steinstra (SF Chronicle)

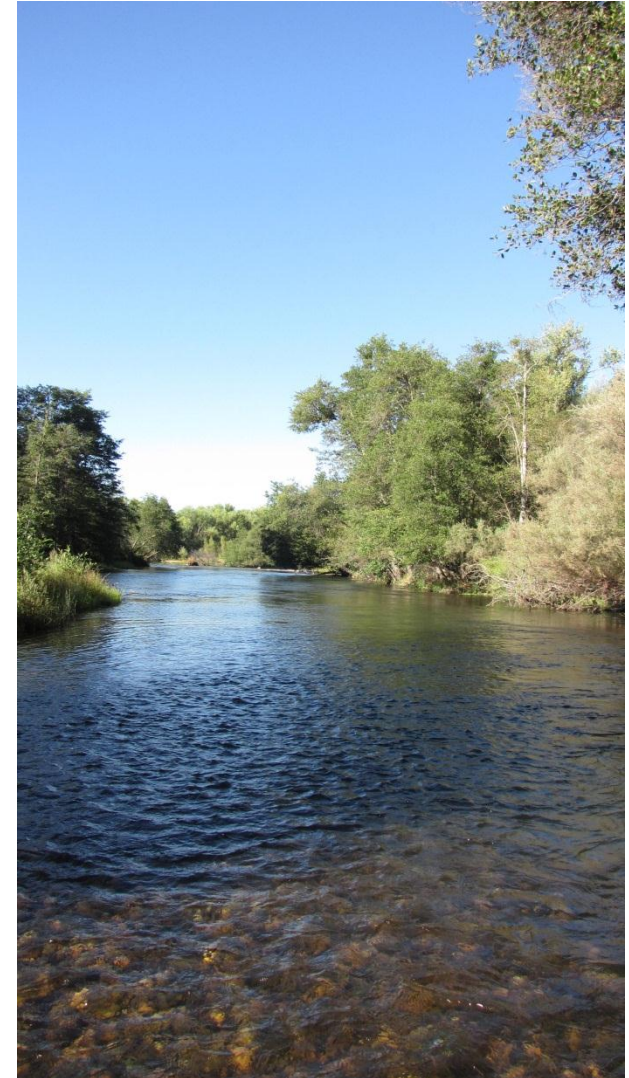
Actual Runoff Received	160 TAF
+ Projected Runoff To-Come	40 to 70 TAF
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Total WY15 Runoff	200 to 230 TAF

Water Supply Projections

Mokelumne River Curtailment



- State Water Resources Control Board notice posted on April 23, 2015
- Curtailment of diversions from San Joaquin River watersheds
- Affects post-1914 appropriative rights
- Curtailment would reduce EBMUD storage



Water Supply Projections

Total System Storage

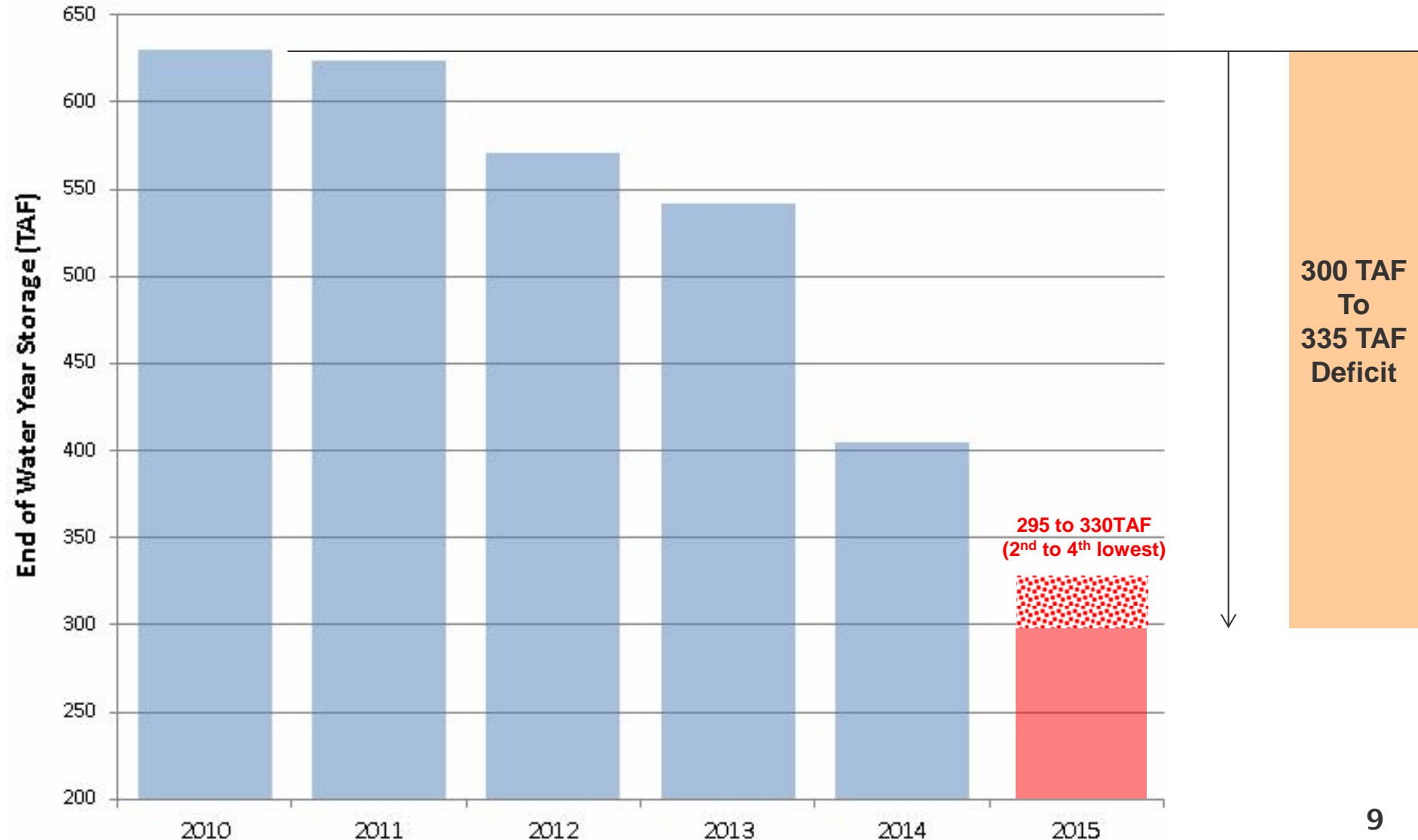


Runoff	Total System Storage* (no supplemental supply)	Total System Storage* (with CVP supply)
200 TAF	295 TAF	320 TAF
230 TAF	305 TAF	330 TAF

*Projected storage on September 30, 2014

Water Supply Projections

4 Year Storage Decline



WY15 Drought Actions



CONSERVATION



RECYCLING



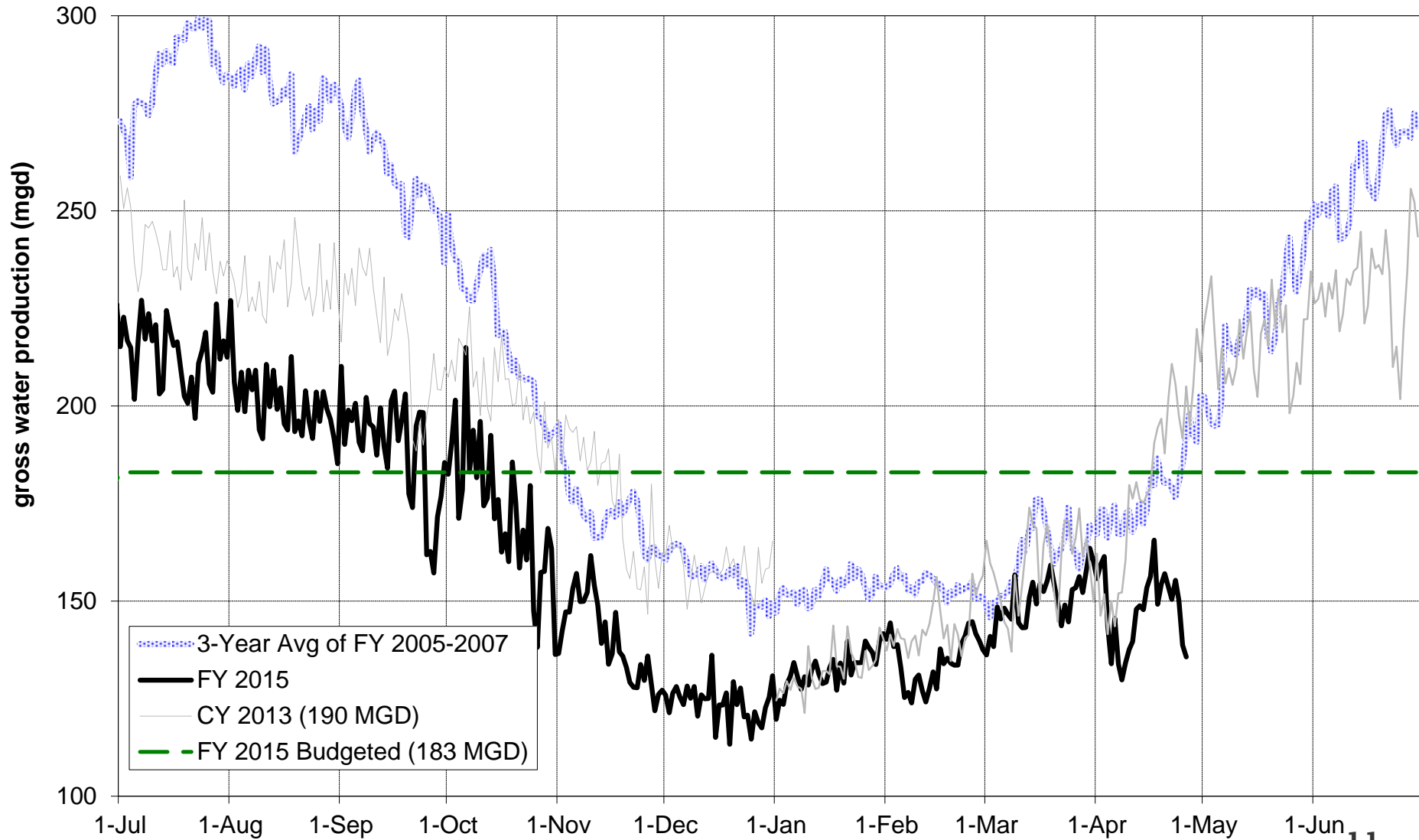
FREEPORT



INTERTIES

WY15 Drought Actions

Gross Water Production



WY15 Drought Actions

Customer Demand Savings



Calendar Year	Savings Rate (2013 Baseline)	Savings Rate (Avg of 2005-2007 Baseline)
2014	13%	20%
2015	8%	13%

WY15 Drought Actions

Freeport Regional Water Project



WY15 Drought Actions

Freeport Regional Water Project



- Startup on April 15
- Coordinated operation
 - Sacramento County Water Agency
 - U.S. Bureau of Reclamation
- Initiating 33,250 acre-feet delivery of Central Valley Project water
- 90 million gallons per day



Water Year 2015

EBMUD Water Supply Review



- Mokelumne Precipitation
 - RY2015 = 2nd driest year
 - RY2012-2015 = driest 4-year period
 - 7% of precipitation season remaining
- Mokelumne River basin runoff is 160 TAF
- Projected end of water year storage is 320 to 330 TAF (includes CVP and does not include the impact of curtailment)

The 2015 Drought Plan



Supplemental Supply

+



Customer Rationing

A Community Effort to Manage the Drought!