

CALIFORNIA WATER COMMISSION

AUGUST 21, 2013

20 X 2020 WATER CONSERVATION UPDATE

Manucher Alemi

CA Department of Water Resources

Population and Water Provided 2010 UWMPs

Total Population *(April 2010)*: 37.3 Million

Water Provided by:

- Urban Water Suppliers - 94% (34.9 Million)
- Suppliers Under Reporting Threshold - 5% (1.75 Million)
- Self- supplied - 1% (0.65 Million)

Water suppliers that submitted UWMPs reported on the water use of 90% of Californians (33.4 Million)

Plans Submitted to DWR

- Of the 406 Retail Urban Water Suppliers
 - 370 Submitted UWMPs (88%)
- Of the 40 Wholesale Urban Water Suppliers
 - 39 Submitted UMWPs (98%)



Plan Contents

- Service area description and population
- Water supplies (present water supplies and future projects)
- Water demand (past, present, future water use; baselines, targets, water use reduction plan)
- Demand Management Measures (BMPs)
- Water supply reliability and water shortage contingency planning

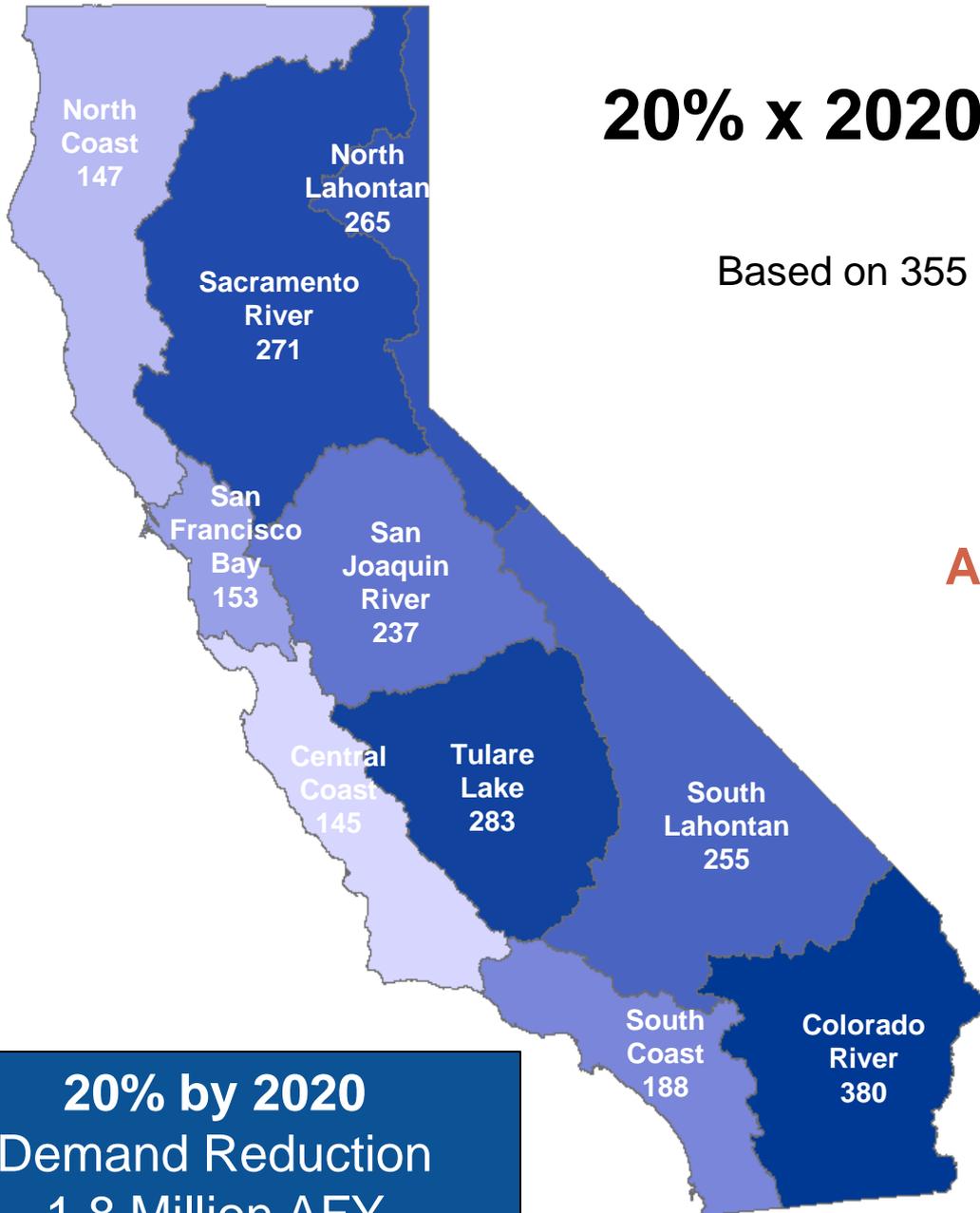
20% x 2020 Baseline and Target Data

Based on 355 Retail UWMPs, August 15, 2013

Average Baseline
196 GPCD

**Average Reported Target
164 GPCD**

Statewide 2020 Goal
157 GPCD



**20% by 2020
Demand Reduction
1.8 Million AFY**

**UWMPs 2020
Demand Reduction
1.4 Million AFY**

2020 Hydrologic Region Population Weighted Baseline, Target, % Reduction

(Based on 355 Retail UWMPs, August 2013)

Region	Population* Weighted Average Baseline (GPCD)	Population* Weighted Average 2020 Target (GPCD)	Percent Reduction
1-North Coast	147	127	14%
2-San Francisco Bay	153	133	13%
3-Central Coast	145	125	14%
4-South Coast	188	159	15%
5-Sacramento River	271	219	19%
6-San Joaquin River	237	196	17%
7-Tulare Lake	283	228	20%
8-North Lahontan	265	213	20%
9-South Lahontan	255	206	19%
10-Colorado River	380	312	18%
STATEWIDE AVERAGE	196	164	16%

* = Average baseline population.

Target Methods Used by Urban Water Suppliers

Target method	# of Suppliers	% of Suppliers	Average % Reduction
1	201	57%	20%
2	4	1%	8%
3	129	36%	9%
4	21	6%	18%

15 Retail plans provided incomplete baseline and target data.

DMMs commonly implemented by water suppliers to meet their targets

Based on 5 approved UWMPs:

City of McKinleyville, Pasadena Water and Power, Suburban Water District, City of East Palo Alto, California Water-Oroville

- Residential plumbing retrofit
- Metering with commodity rates for all new and retrofit of existing connections
- High-efficiency washing machine rebate programs
- School education programs
- Conservation pricing
- Water conservation coordinator

State Facility Water/Energy Use Reduction - Executive Order B-18-12

- Reduce overall water use by 20% by 2020

Green Building Action Plan

- Implementation of EO B-18-12
 - DWR develop Water Use Guidelines and Criteria for State facilities. *Completed*
 - DWR recommends a third party database to track water use. *Completed*

State Administrative Manual - Management Memorandum

- DWR developed a Management Memo to be incorporated into the State Administrative Manual (now in final review)
- Applies to all State operated facilities (buildings and landscapes) under the Governor's authority