

# 2010 UWMP BASELINE AND TARGET DATA



Urban Stakeholder Committee  
January 30, 2013

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# Urban Water Management Plans

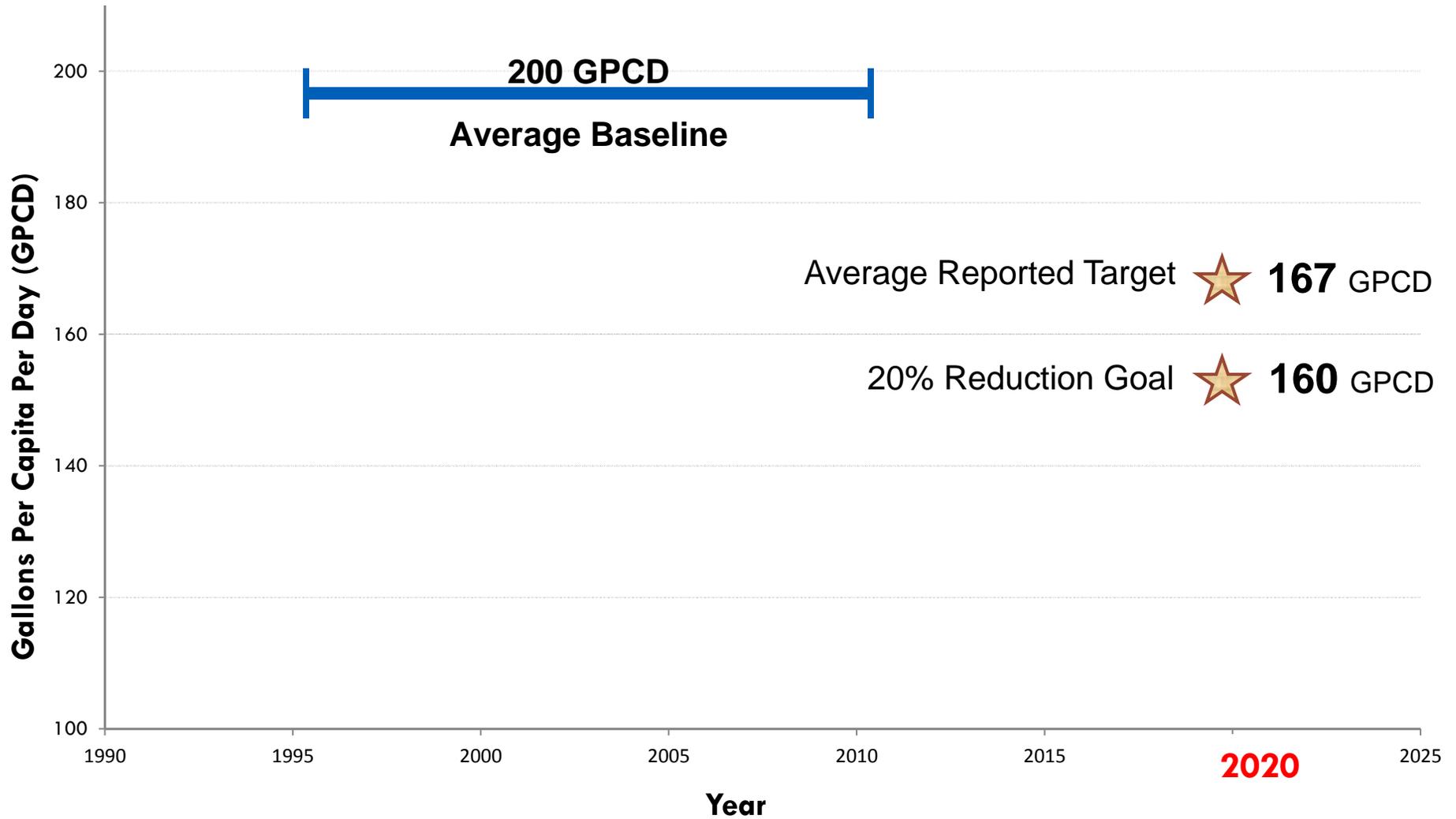
## 398 Suppliers Adopted Plans

- 361 retail suppliers
- 37 wholesale suppliers

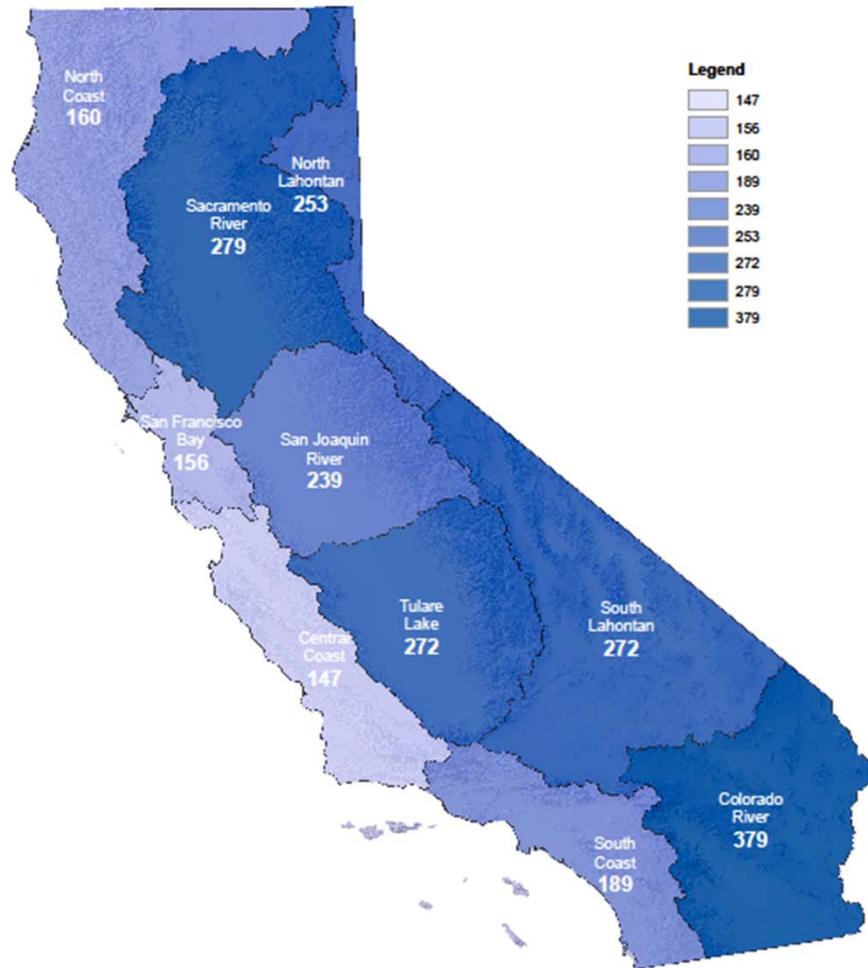
Represents 34 Million people  
Or 92% of state's 2010 population



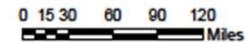
# Statewide Average Baseline and Targets



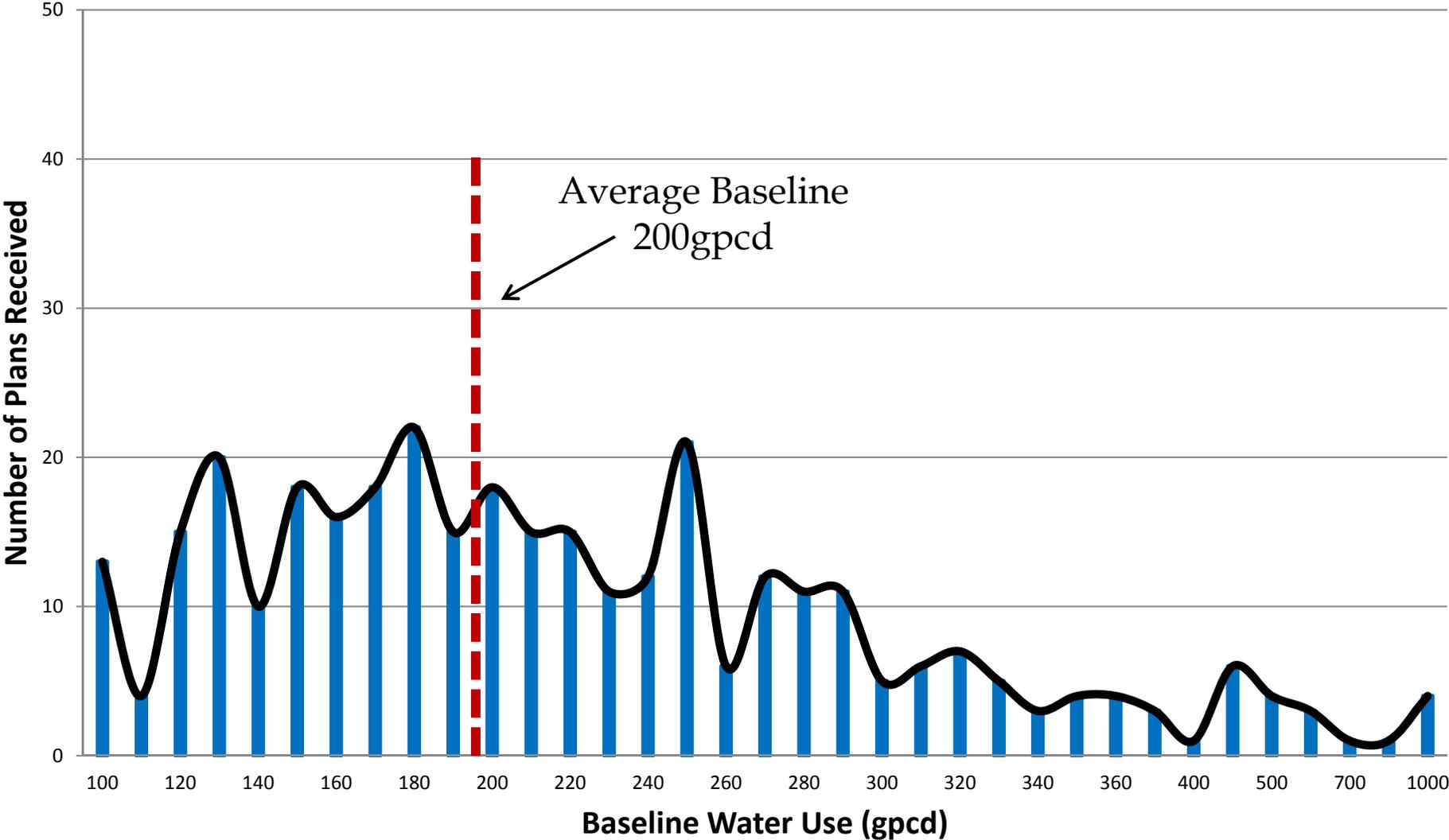
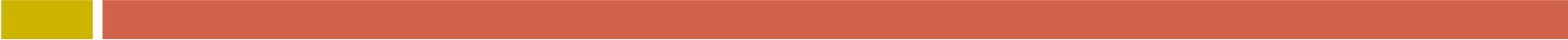
# Baseline Water Use by Hydrologic Region



All Data Presented is the Population Weighted Average



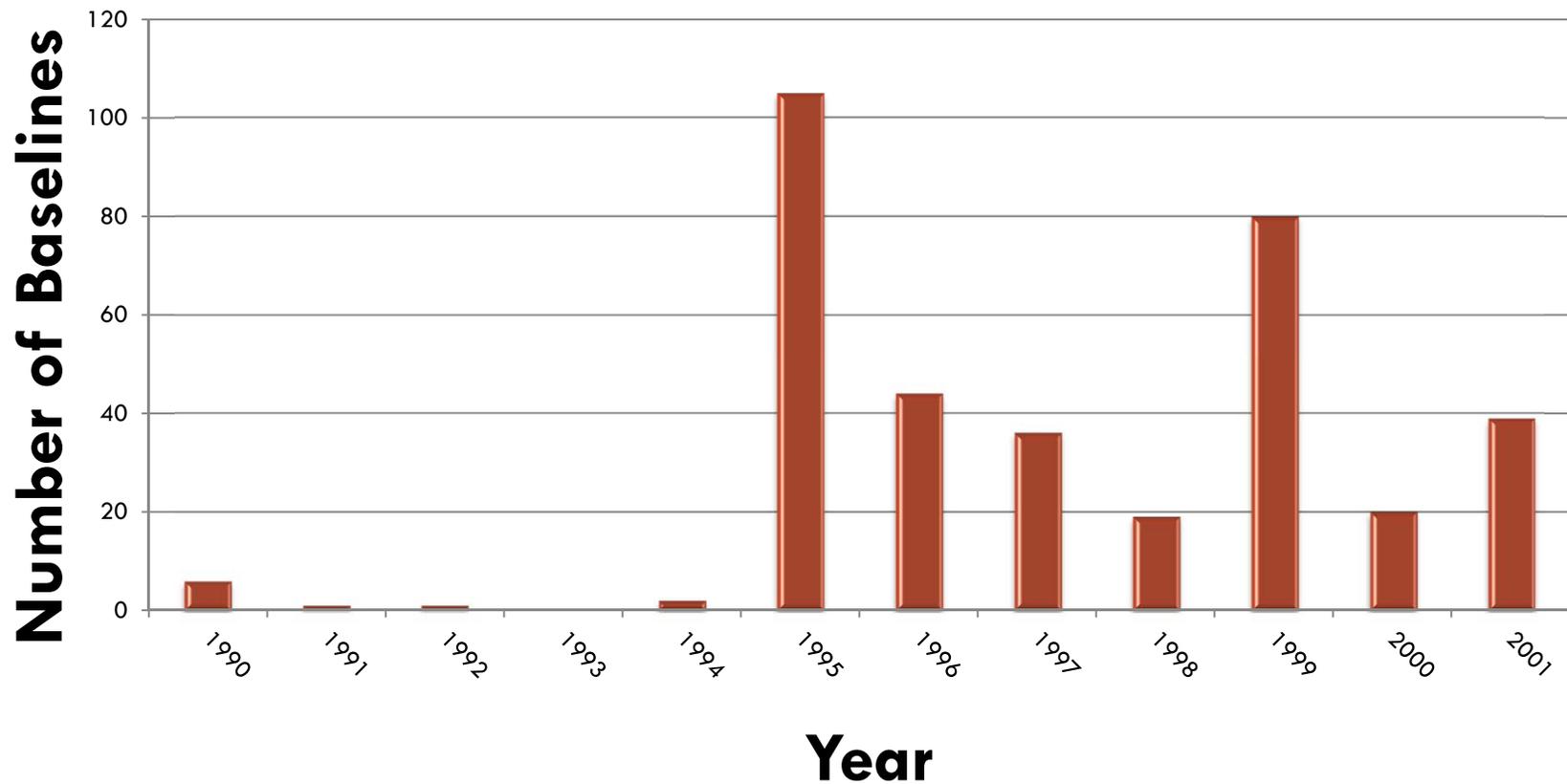
# Range of Baseline Water Use



# Target Methods

Target method	# of Suppliers	% of Suppliers	Average % Reduction
1	201	57%	20%
2	4	1%	8%
3	134	37%	9%
4	19	5%	18%

# Year 1 of 10-Year Baseline



# Regional UWMPs



## 7 Regional Urban Water Management Plans Submitted

Antelope Valley

Castaic Lake

Hollister Urban Area

Kern County-North of the River

Modesto

San Bernardino Valley

Tehachapi

# 7 Regional Alliances



- Olivenhain
- Gateway
- Orange County
- Contra Costa Water District
- North Marin-Sonoma
- Tehachapi
- West Basin

Currently no tiered regional alliances

# 3 Topics for Discussion



- 2010 Census
- Targets for Suppliers with 5-year baselines under a 100 GPCD
- Population Weighted Average

# 2010 Census



- 2010 Census released in April 2011
  - ▣ Too late for 2010 UWMPs
  - ▣ Methodologies pg. 27:

*DWR will examine discrepancy between the actual 2010 population estimate and the DOF's projections for 2010. If significant discrepancies are discovered, DWR may require some or all suppliers to update their baseline population estimates.*

# Significant Differences



- Statewide Average = 3.7% Reduction in Population

Wide Range in values:

- Oakland's population adjusted 9% down
  - Los Angeles's population adjusted 7.3% down
  - Elk Grove's population adjusted 6.1 % upward
- DWR's guidance is that all water suppliers update baselines and targets based on 2010 Census data

# Targets for Suppliers below 100 GPCD



- 15 suppliers have 5-year baseline below 100 GPCD
- Confusion over how to set target, several different approaches
- DWR set target equal to baseline to calculate statewide average

# Target Calculation Steps



1. Calculate baseline water use
2. Select target method, set target
3. Calculate 5-year baseline
4. Supplier exempt if 5-year baseline is under 100 GPCD

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- SBx7-7 intent is not for water use to go up
  - Defined in legislation, not something USC or DWR can resolve

# Weighted Averages



- 350 plus retail water suppliers
- Wide range of population and baselines
- GPCD and Population weights used to calculate averages

# Example

:	Population	GPCD	Pop. X GPCD
LADWP	4,042,085	143	578018155.0
Lodi	63,050	243	15321150.0
SLO	44,579	127	5661533.0
Gilroy	47,350	175	8286250.0
Sum	4,197,064		607287088.0
		172	144.7

# Baseline and Target Averages

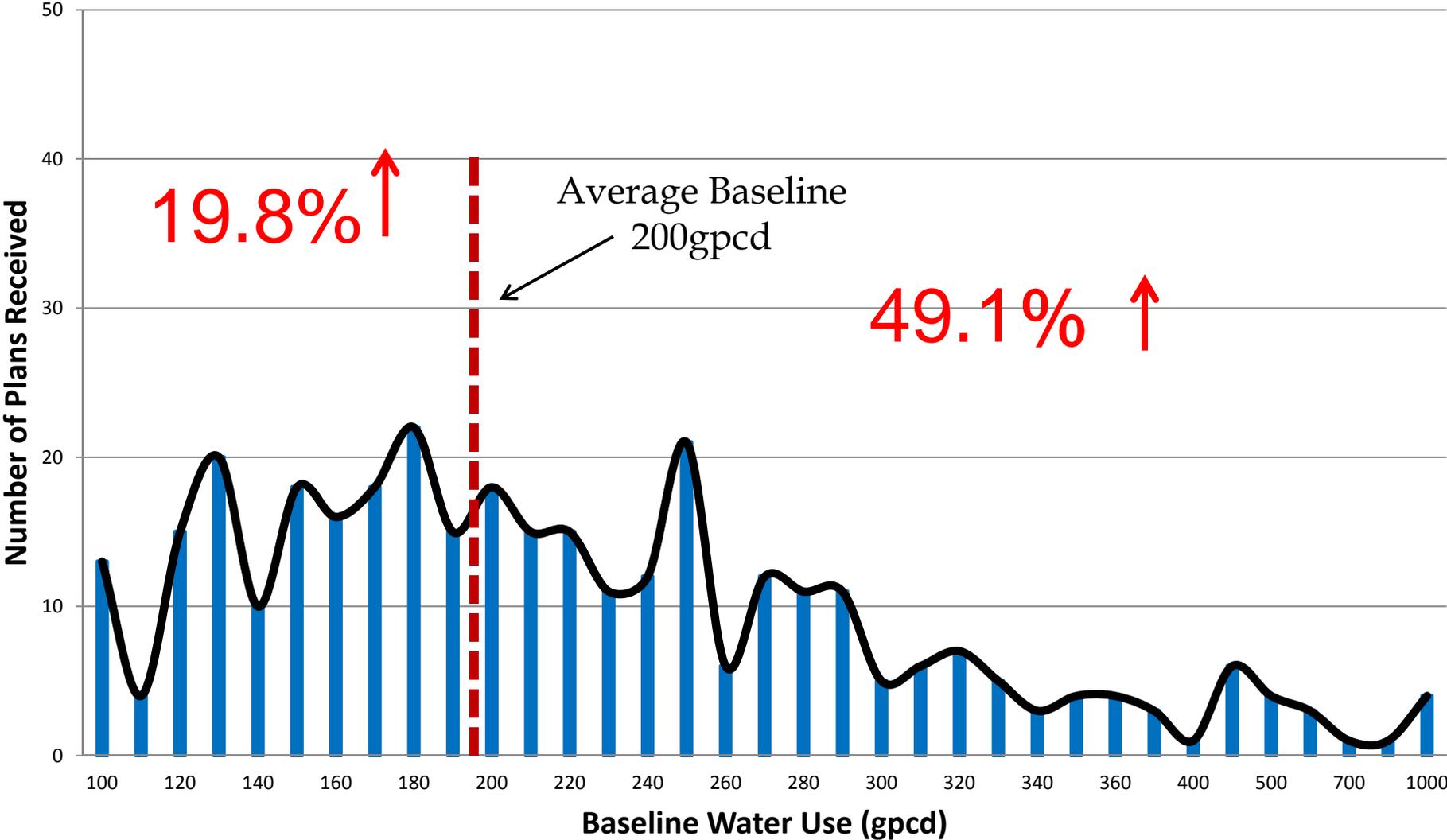


- DWR extracted 10-year baseline, target and 2010 population data when UWMPs logged in.
- Data used for an initial estimate of progress
- 2010 population used to weight both baseline and target

# 2000 to 2020 Shift in Population

DWR Hydrologic Region	Weighted Average Baseline	Population Change	
		2000 to 2010	2000 to 2020
Central Coast Region	145	5%	11%
San Francisco Bay Region	156	4%	11%
North Coast Region	160	5%	11%
South Coast Region	189	8%	16%
San Joaquin River Region	239	19%	37%
North Lahontan Region	253	-1%	5%
Tulare Lake Region	272	21%	45%
South Lahontan Region	272	29%	54%
Sacramento River Region	280	16%	28%
Colorado River Region	372	24%	57%

# Range of Baseline Water Use



# Different Approaches



- 2010 Population weight for baseline and target does not account for the population shift
- Suggestion to use 2000 population for baseline and 2020 population for targets
- Another suggestion to use a with or without conservation analysis

# Factors to consider



- 2020 population estimate will change
  - ▣ New DOF 2020 estimate at 40 million, down from 43M
- 2020 population estimates in 2010 UWMPs developed before building downturn.
- Baselines and targets will change with 2015 UWMP update
- DWR needs to collect 2000 and 2020 population data from all the retail UWMPs

# Subcommittee



- USC members interested in math and statistics
- Meet two or three times by conference call or webinar
- present recommendations to the USC at April or summer meeting