

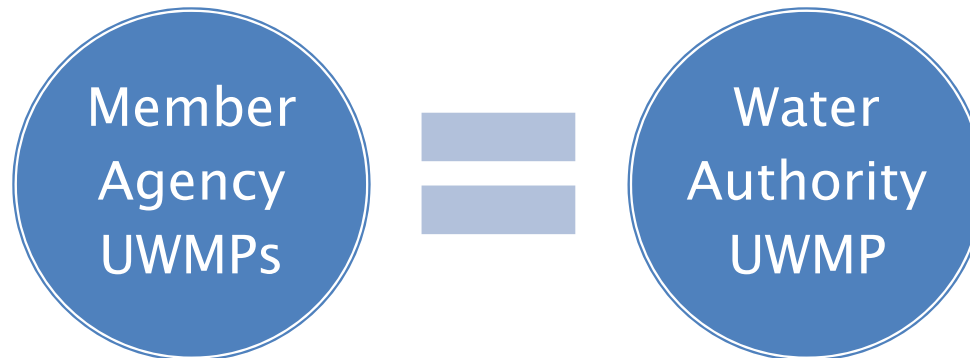
San Diego County Water Authority 2015 Urban Water Management Plan



**IRWM Regional Advisory Committee
August 3, 2016**

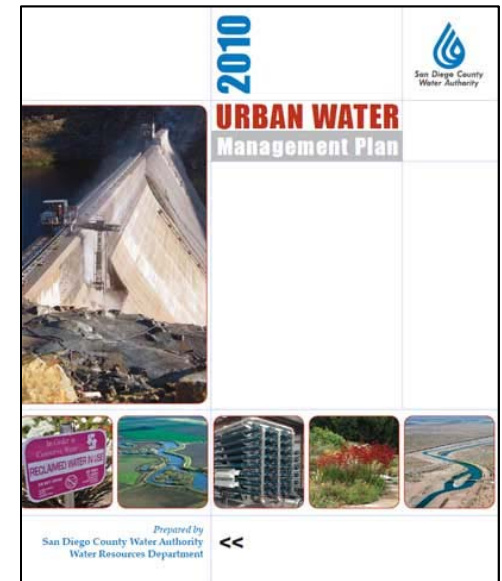
Background

- Update required by law every 5 years
- Purpose and importance has grown since first required 30 years ago
- Required to be eligible to receive funding or drought assistance from state
- Coordination with member agencies critical element



Water Authority 2015 UWMP Update

- Includes normal and dry year regional demand projections
- Identifies projected water resources mix for the San Diego region
- Assesses supply reliability through scenario analysis
- Foundational document for other Water Authority long-range planning efforts
 - Facilities Master Plan, Long-Range Financing Plan and Integrated Regional Water Management Plan



UWMP's Relationship to IRWM Program

- 2013 IRWM Plan is an umbrella document that encompasses multiple plans, including Water Authority's UWMP
- IRWM Program provides funding for various types of local supply projects, including:
 - Recycled water
 - Surface water
 - Groundwater
 - Brackish groundwater
 - Seawater desalination
 - Water conservation



UWMP's Six Main Elements

Demand Forecast

Econometric Model utilizing SANDAG Regional Growth Forecast

Water-Use Efficiency

Include passive and active savings

Ensure retail compliance with SBX7-7

Water Supplies

Water Authority and member agency supplies

Water Resource Mix

Resource mix to meet demands in normal and dry water years

Scenario Planning

Process to manage supply uncertainties associated with resource mix

Shortage Planning

Contingency analysis to address shortages due to drought, catastrophe or other event

What's Changed from Water Authority 2010 UWMP to 2015 UWMP

- SANDAG Regional Growth Forecasts
 - Lower population estimates due to 2010 Census
 - Slower near-term economic growth resulting from “Great Recession”
- Conservation Savings
 - Bottom-up modeling approach
 - Savings not limited to SBX 7-7 compliance level
- Emergence of Potable Reuse as a significant new planned local supply for the region
 - Greater volumes and more certainty vs. 2010 UWMP

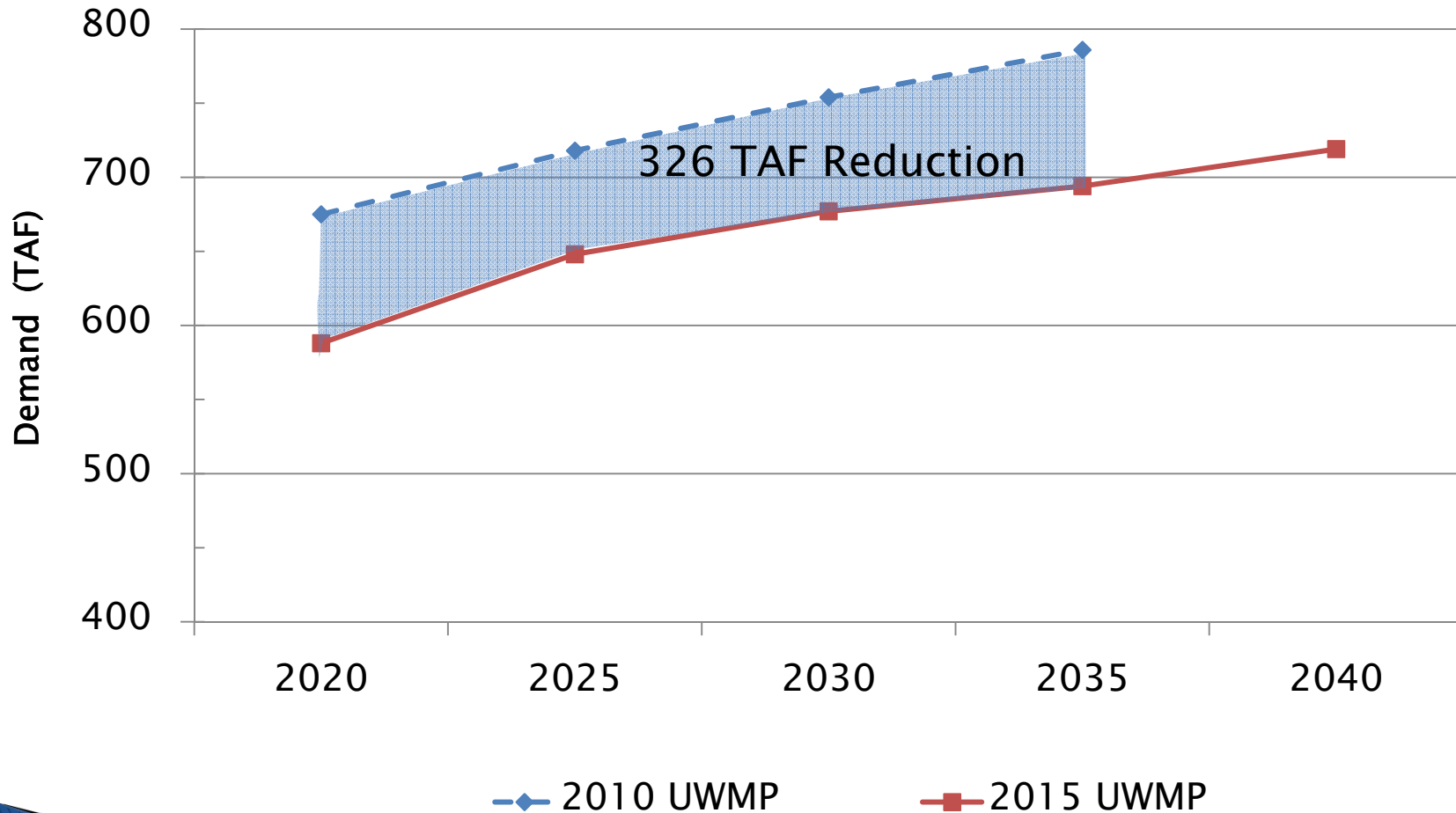


What's Changed from Water Authority 2010 UWMP to 2015 UWMP

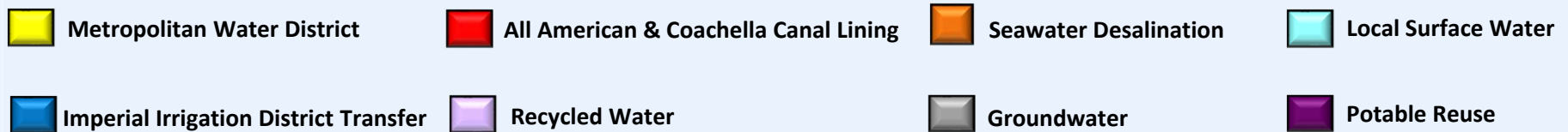
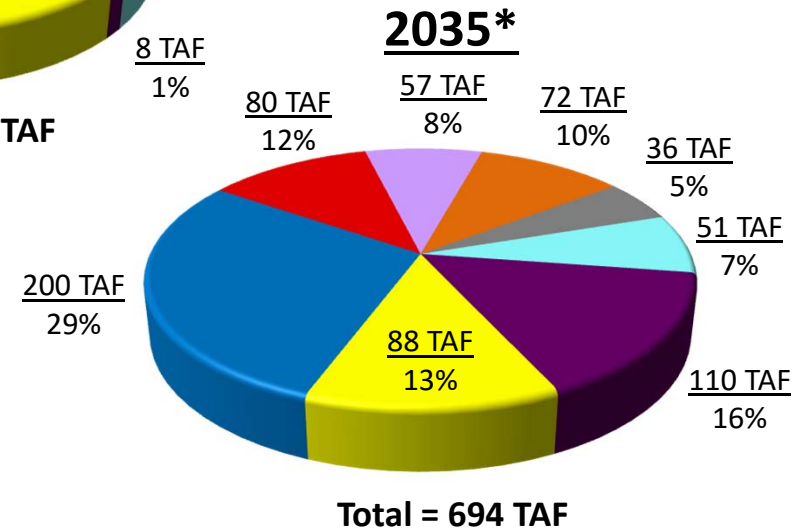
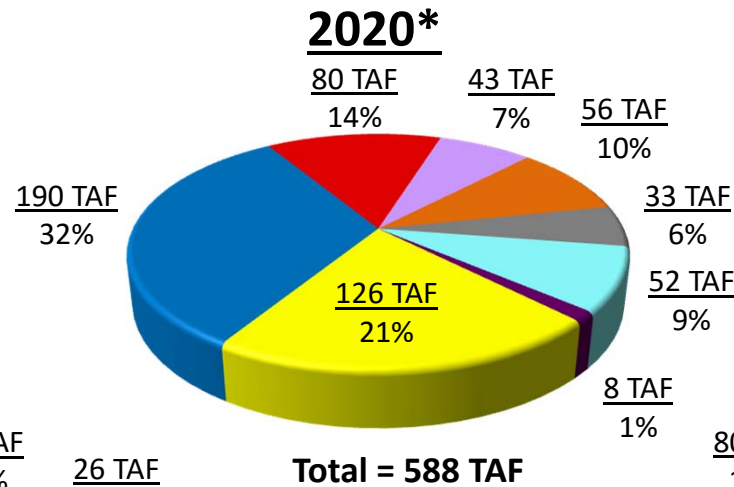
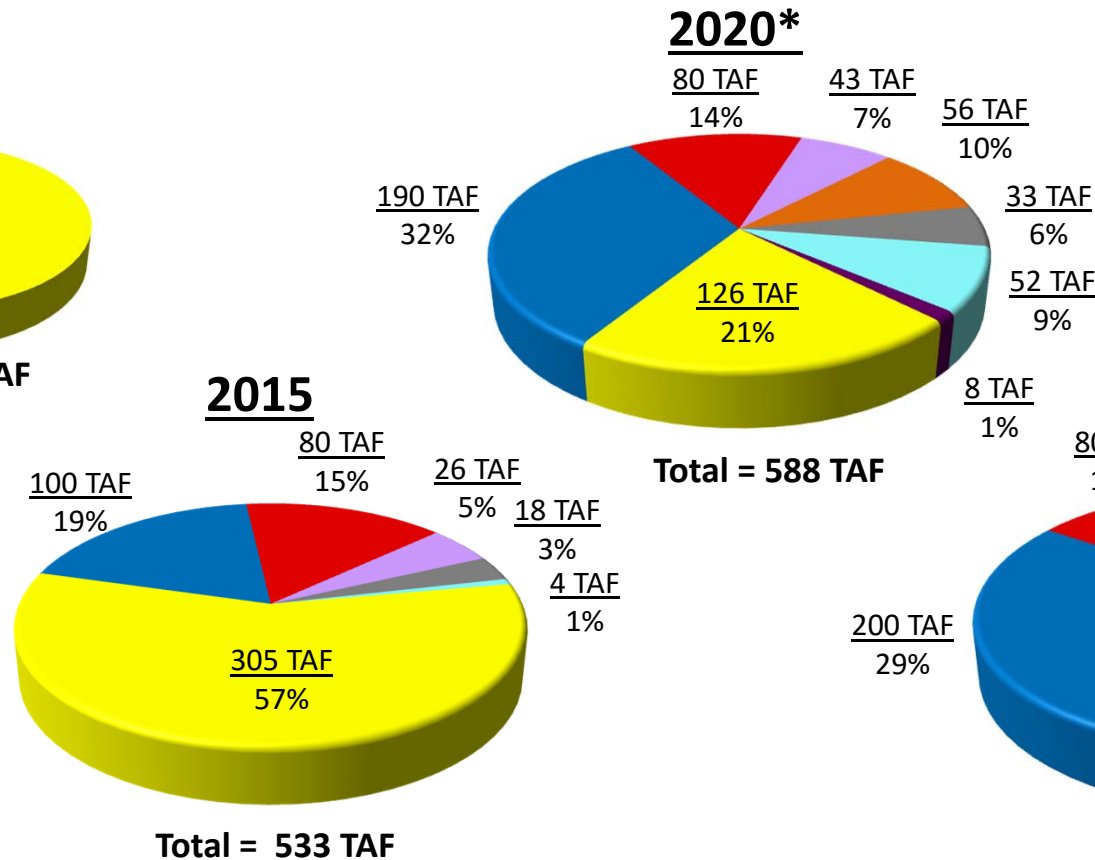
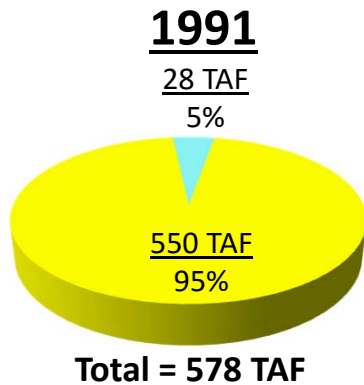
- New Regional Resources On-Line
 - Claude "Bud" Lewis Carlsbad Desalination Plant
 - San Vicente Carryover Storage



Decrease in Water Authority Long-Range Demand Forecast



Increasing San Diego County's Water Supply Reliability through Supply Diversification



* Includes verifiable and additional planned local supply projects from 2015 UWMP

(TAF=Thousand Acre-Feet)

2015 UWMP Status

- Adopted by Board on June 23, 2016
- Submitted to DWR on June 28, 2016
- www.sdcwa.org/uwmp

