Embracing the Water Portfolio Strategy

Mesa Water District Board of Directors
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Topics

- Who we are
- A (very) short history
- Where we are today
- Perspectives on key MWD issues
Who We Are

Water Authority Serves a Vibrant Region

Wholesale agency created by the state Legislature in 1944

- Serves 3.3 million people and $245 billion economy through 24 member agencies
- Provides about 75% of water used in San Diego County
- 36-member Board sets policy
A (Very) Short History

Few Natural Water Resources

- San Diego County groundwater is minimal and mostly brackish
- 1946 was the last year regional supplies met regional demand
Becoming a MWD Member Agency

Inception to 1980s: “Pipeline Agency”
MWD Water Supply Shortages

1991
Local
Surface
Water
5%

Metropolitan Water District of Southern California
95%

1991 MWD water cuts
Municipal = 20%
Ag. = 50%

Where We Are Today
Today's Life at the “End of the Pipeline”
Sources of San Diego County’s Water Supply (2015-2019 five-year average)

11% State Water Project
69% Colorado River
20% Local Supply

IID and Canal Lining Deliveries 2003-2021

Innovative Investments in Supply Reliability

Carlsbad Seawater Desalination $1 billion
Pipeline Relining $493 million
Twin Oaks Valley Water Treatment Plant $179 million
Olivehain Dam & Reservoir $198 million
San Vicente Dam Raise & Related Projects $811 million
Lake Hodges Hydroelectric and Pump Station Facility $208 million
Result: Sufficient Water During Drought

2015-2016
MWD cuts=15%
SD cuts=1%

Metropolitan Water District of Southern California 41%
Imperial Irrigation District Water Transfer 22%
Canal Lining Transfer 17%
Recycled Water Desalination 6%
Seawater Desalination 5%
Groundwater 5%
Local Surface Water 4%

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

1991
Total = 578 TAF
29 TAF 5%
652 TAF 95%

2020*
Total = 537 TAF
192 TAF 35%
150 TAF 28%
109 TAF 20%
88 TAF 16%
59 TAF 11%
56 TAF 10%
53 TAF 9%
43 TAF 8%

2035*
Total = 632 TAF
200 TAF 32%
110 TAF 17%
87 TAF 14%
77 TAF 12%

* Based on Interim Demand Forecast Report and includes verifiable and additional planned local supply projects from 2015 to 2035 (TAF = Thousand Acre-Feet)
Investing for the future
Water Authority’s Regional Conveyance Study

- Water Authority assesses long-term options for delivering Colorado River supplies
- New study shows two alignments are cost-competitive with other options for water supply and transportation
- Undertaking economic analysis and exploring partnerships

Perspective on Key MWD issues
MWD Must Grapple With Lower Demands

1. Water Authority is not seeking “independence” or to detach from MWD
2. MWD must manage reduced demand for MWD water and adjust spending

Data, Analysis and Member Agency Need Must Drive MWD’s Resource Investments

3. Regional Recycled Water Program, LRP and Delta Fix must be part of IRP process
   - A “needs assessment” from member agencies is essential
   - Redundancy, or “insurance,” without parameters is unaffordable
   - Local supply development strongly supported
   - Delta involves important and unique issues beyond supply
2020 IRP Update is Critical

- MWD is at a "crossroads" for long-term sustainability
- IRP must be based on solid data and in coordination with member agencies
- IRP must connect to MWD’s rates and address affordability

Closing Comments