



Embracing the Water Portfolio Strategy

Mesa Water District Board of Directors
February 11, 2021

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General Manager

Topics

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





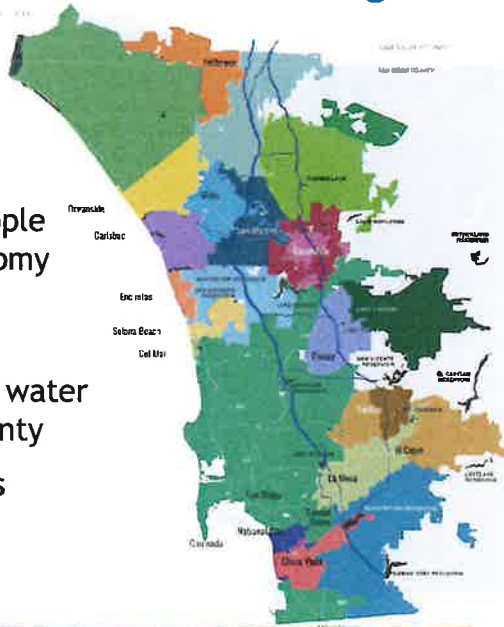
Who We Are



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





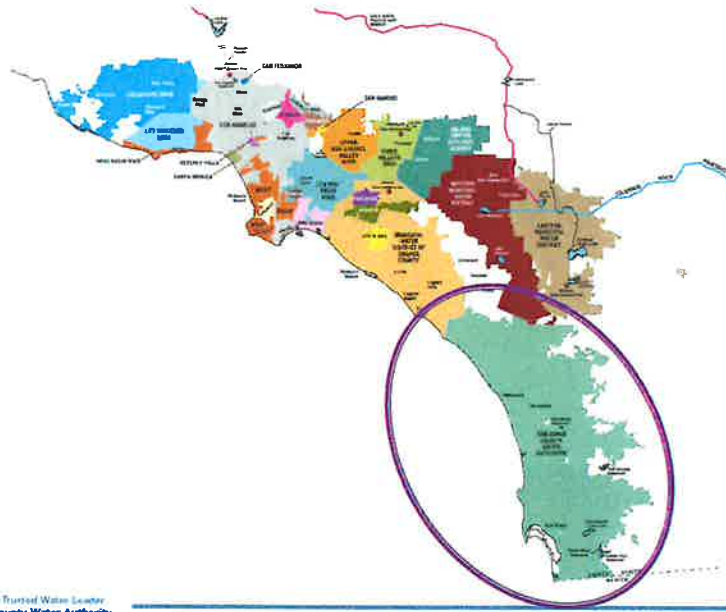
A (Very) Short History

Few Natural Water Resources

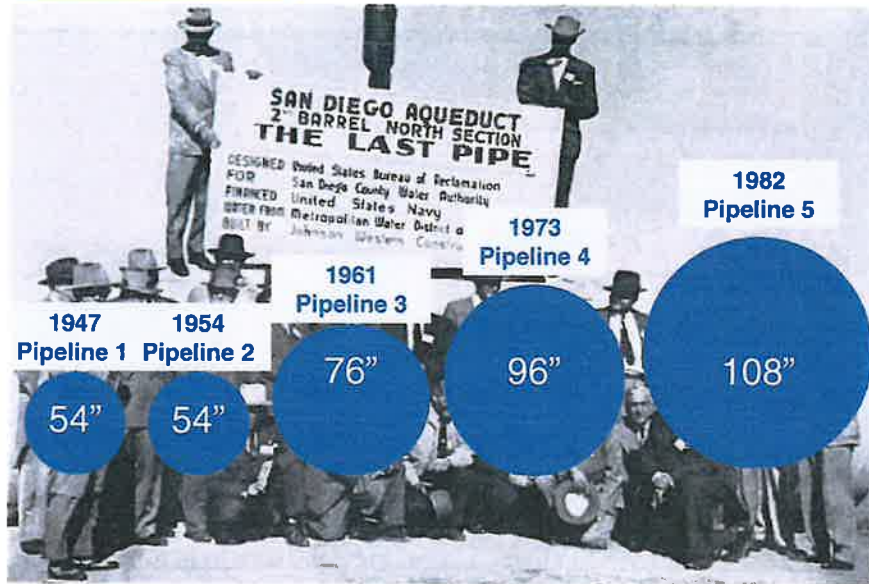
- San Diego County groundwater is minimal and mostly brackish
- 1946 was the last year regional supplies met regional demand



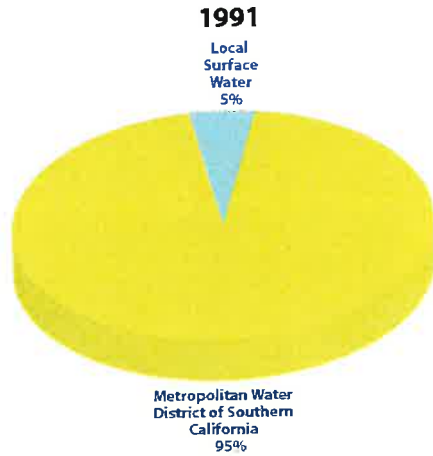
Becoming a MWD Member Agency



Inception to 1980s: "Pipeline Agency"



MWD Water Supply Shortages



1991 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)



IID and Canal Lining Deliveries 2003-2021



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Innovative Investments in Supply Reliability



Carlsbad Seawater Desalination
\$1 billion



Pipeline Relining
\$493 million



Twin Oaks Valley
Water Treatment Plant
\$179 million



Olivenhain Dam &
Reservoir
\$198 million



San Vicente Dam Raise
& Related Projects
\$811 million



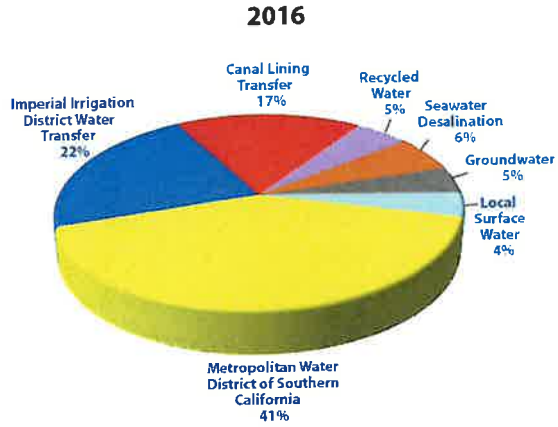
Lake Hodges
Hydroelectric and
Pump Station Facility
\$208 million

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Result: Sufficient Water During Drought

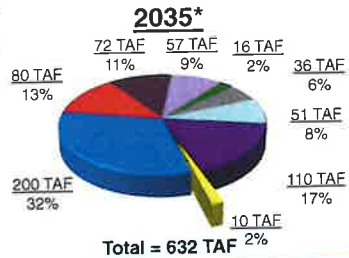
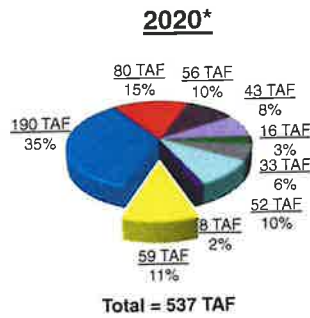
2015-2016
 MWD cuts=15%
 SD cuts=1%



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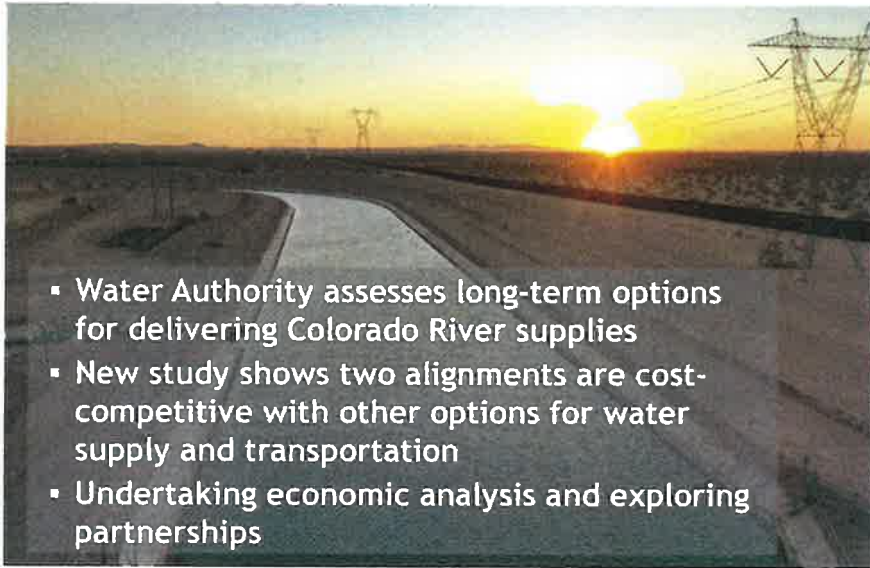
Increasing San Diego County's Water Supply Reliability through Supply Diversification



- Metropolitan Water District
- Seawater Desalination
- Groundwater
- Imperial Irrigation District Transfer
- Recycled Water
- Local Surface Water
- All American & Coachella Canal Lining
- San Luis Rey Water Transfer
- Potable Reuse

* Based on Interim Demand Forecast Reset and includes verifiable and additional planned local supply projects from 2015 UWMP (TAF=Thousand Acre-Feet)

Investing for the future Water Authority's Regional Conveyance Study

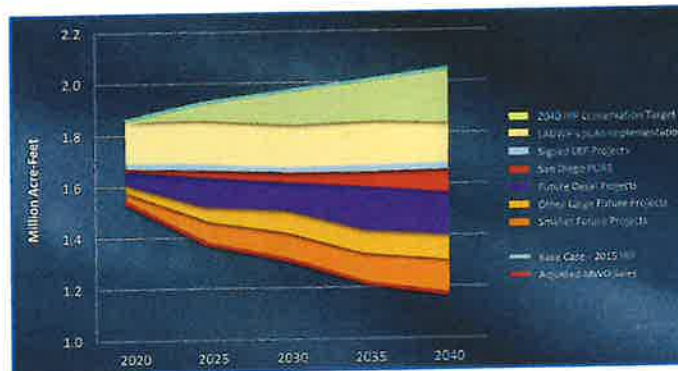


- Water Authority assesses long-term options for delivering Colorado River supplies
- New study shows two alignments are cost-competitive with other options for water supply and transportation
- Undertaking economic analysis and exploring partnerships



Perspective on Key MWD issues

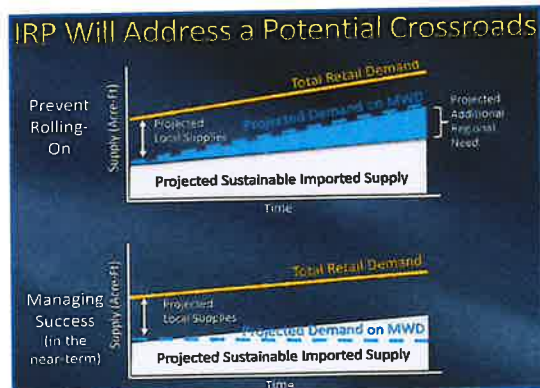
MWD Must Grapple With Lower Demands



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

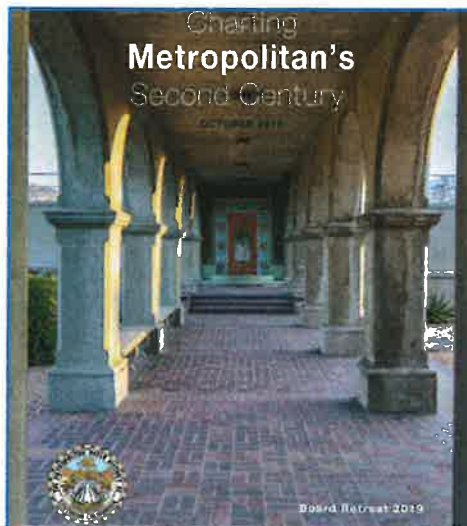
Data, Analysis and Member Agency Need Must Drive MWD's Resource Investments

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

