

Public Hearing

for Mesa Water District's


- 2020 Urban Water Management Plan
- 2020 Water Shortage Contingency Plan
- Appendix K Addendum to the 2015 Urban Water Management Plan

June 10, 2021

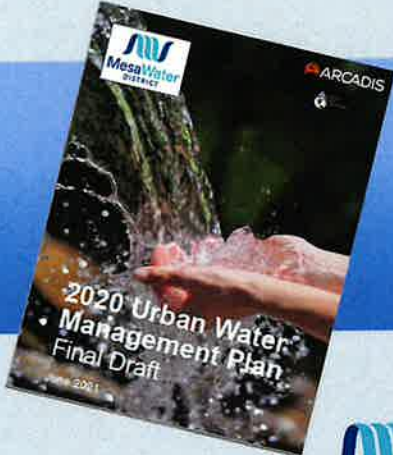
Public Hearing Items

- 2020 Urban Water Management Plan (UWMP)**
 - Represents Mesa Water's planning elements to satisfy the UWMP Act
- 2020 Water Shortage Contingency Plan**
 - Provides Mesa Water's planned actions to respond to water shortage conditions
- Appendix K Addendum to the 2015 Urban Water Management Plan**
 - Provides Reduced Delta Reliance reporting to satisfy Delta Plan Policy WR P1


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2020 Urban Water Management Plan

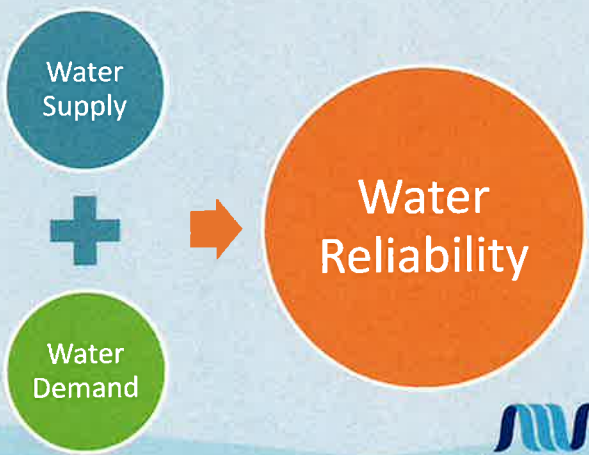


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2020 UWMP Background

- Urban Water Management Planning Act of 1983
- To demonstrate to the State that there are adequate water supplies for existing and future demands
- Every urban water supplier providing **>3,000 customers** or **3,000 acre-feet of water annually**
- To be filed to DWR every 5 years




Water Supply + Water Demand = Water Reliability



New Items in Mesa Water's 2020 UWMP

- Long-term 5-consecutive year drought assessment for 2025-2045
- Near-term drought risk assessment for 2021-2025
- Water Shortage Contingency Plan
 - Annual Supply and Demand Reporting
 - Six Shortage Stages, Shortage Response Actions
 - Seismic Risk Assessment and Mitigation Plan
- Energy Intensity reporting
- Reduced Delta Reliance reporting


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Water Demand Basis

Option 1	Option 2
Center for Demographic Research	Regional Housing Needs Assessment (RHNA)
	Released in March 2021
Population increase ~0.2%/yr	Housing needs allocation for 2021 – 2029
	Population increase ~2%/yr (2025 to 2035)

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Water Use and Supply Overview

Water Supply

Groundwater (OC Basin)

- In 2020 ~ 94% of supply
- In 2045 ~ 95% of supply

Recycled Water

- In 2020 ~6% of supply
- In 2045 ~5% of supply

Supplemental Imported Water

- In 2020 = 0% of supply
- In 2045 = 0% of supply

Water Use & Projections

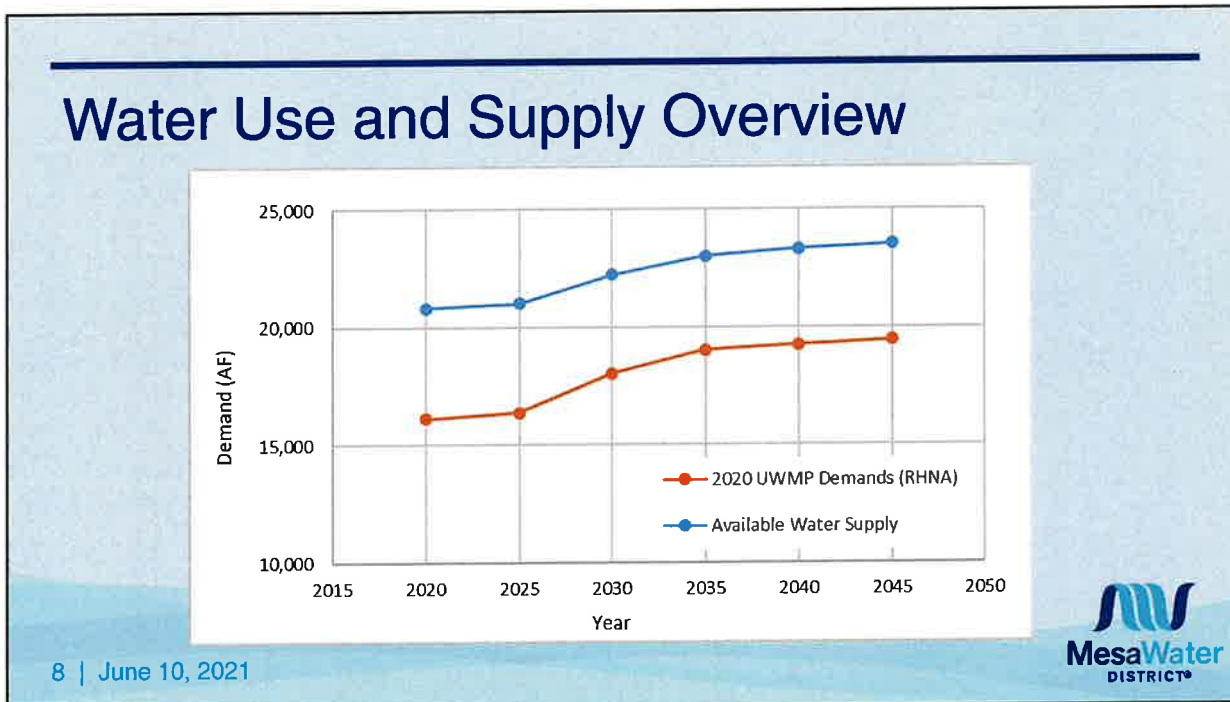
Decreased since 2013/14 to below 10-yr avg.

Projecting to increase in 25 yrs

- ~2% increase now to 2025
- ~21% increase between 2025 – 2045

Back to 2013/14 level of total use in 2035

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Key Findings of 2020 UWMP

Mesa Water has **long-term** (25 yrs) water service reliability under average year, single dry year, five consecutive drought years

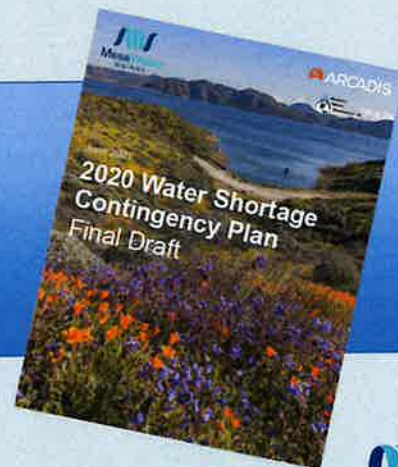
Mesa Water has **near-term** (5 yrs) supply capabilities sufficient for a drought period lasting five consecutive years

Mesa Water has plans for supply implementation investments to meet its projected water demands

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Water Shortage Contingency Plan



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WSCP Overview

New requirement
of 2018 Water
Conservation
Legislation

- Included in 2020 UWMP but also a **standalone document**

Key Elements of
WSCP :

- Annual Water Supply and Demand Assessment
- Six Standard Water Shortage Levels
- Shortage Response Actions
- Communication Protocols

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Appendix K Addendum to 2015 UWMP Reduced Delta Reliance Reporting

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DWR Issued Guidance on Delta Plan Policy

District's reporting is consistent with approach detailed in UWMP Guidebook and MET's and MWDOC's 2020 UWMP

- Set a **water use baseline** (2010)
- Calculate **water use efficiency** since baseline (out to 2045)
- Calculate **change in per capita** use since baseline (GPCD)
- Calculate supplies contributing to **regional self-reliance** (i.e. water use efficiency programs, water recycling, groundwater replenishment) (out to 2045)

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Presentation Summary

- ✓ Draft 2020 UWMP and draft WSCP satisfy all UWMP Act requirements
- ✓ Draft Appendix K Reduced Delta Reliance report consistent with guidance
- ✓ Draft plans prepared in coordination with appropriate agencies
- ✓ Draft plans posted for public review
- ✓ Submission on track to meet July 1 deadline

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Recommendation

- a. Conduct a Public Hearing;
- b. Review and discuss Resolution Nos. 1541, 1542, and 1543;
- c. Adopt Resolution No. 1541 Approving the Adoption of the 2020 Urban Water Management Plan;
- d. Adopt Resolution No. 1542 Approving the Adoption of the 2020 Water Shortage Contingency Plan; and
- e. Adopt Resolution No. 1543 Approving an Amendment to the 2015 Urban Water Management Plan.