

# DUBLIN SAN RAMON SERVICES DISTRICT 2020 URBAN WATER MANAGEMENT PLAN

## Public Hearing

June 1, 2021

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With support from



# PUBLIC HEARING ITEMS



**2020 Urban Water  
Management Plan  
(UWMP)**



**Water Shortage  
Contingency Plan**



**Appendix B Reduced  
Reliance Delta Plan  
Policy WR P1**

Addendum to the 2015  
UWMP



# PRESENTATION OUTLINE

- Background and purpose of Urban Water Management Plan (UWMP)
- New items
- Key elements of DSRSD's 2020 UWMP
- Next steps
- Questions and discussion
- Open Public Hearing

# BACKGROUND

- Urban Water Management Planning Act (AB 797) (Water Code Sections 10610-10657)
  - Urban water suppliers with more than 3,000 customers or deliver more than 3,000 AFY\* of water
  - Updated every five years
  - Deadline: July 1
  - Maintain eligibility for state funding

*\*1 acre-foot of water ≈ 325,800 gallons of water*

In 2020, DSRSD served approximately 27,988 connections and delivered 10,330 acre-feet of potable water to its customers

# PURPOSE

- Evaluates
  - Water supply and demand through 2045
  - Availability and reliability of water supplies to meet current and future demands
- Informs water supply assessments for proposed development projects (as required by SB610 and SB221)



# NEW IN 2020 UWMP

- Detailed Reliability Assessment in the next five-year
- Annual Assessment on Supply and Demand Reporting
- Long-Term Assessment under five consecutive drought year
- Water Shortage Contingency Plan with new required elements including
  - Six Water Shortage Stages, Shortage Response Actions
  - Seismic Risk Assessment and Mitigation Plan
- Energy Intensity Reporting
- Reduce Delta Reliance Reporting

# KEY UWMP ELEMENTS

CHAPTER

3

System Description



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4

Water Demand Projections





# KEY UWMP ELEMENTS

CHAPTER

3

System Description

4

Water Demand Projections

5

Conservation Target Compliance (SB X7-7)



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CHAPTER

3

System Description

4

Water Demand Projections

5

Conservation Target Compliance (SB X7-7)

6 & 7

Water Supply Availability and Reliability



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Conservation Target Compliance (SB X7-7)

6 & 7

Water Supply Availability and Reliability

7

Supply and Demand Comparison



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Conservation Target Compliance (SB X7-7)

6 & 7

Water Supply Availability and Reliability

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Supply and Demand Comparison

8 & M

Water Shortage Contingency Plan



# KEY UWMP ELEMENTS

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Conservation Target Compliance (SB X7-7)

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Water Supply Availability and Reliability

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Supply and Demand Comparison

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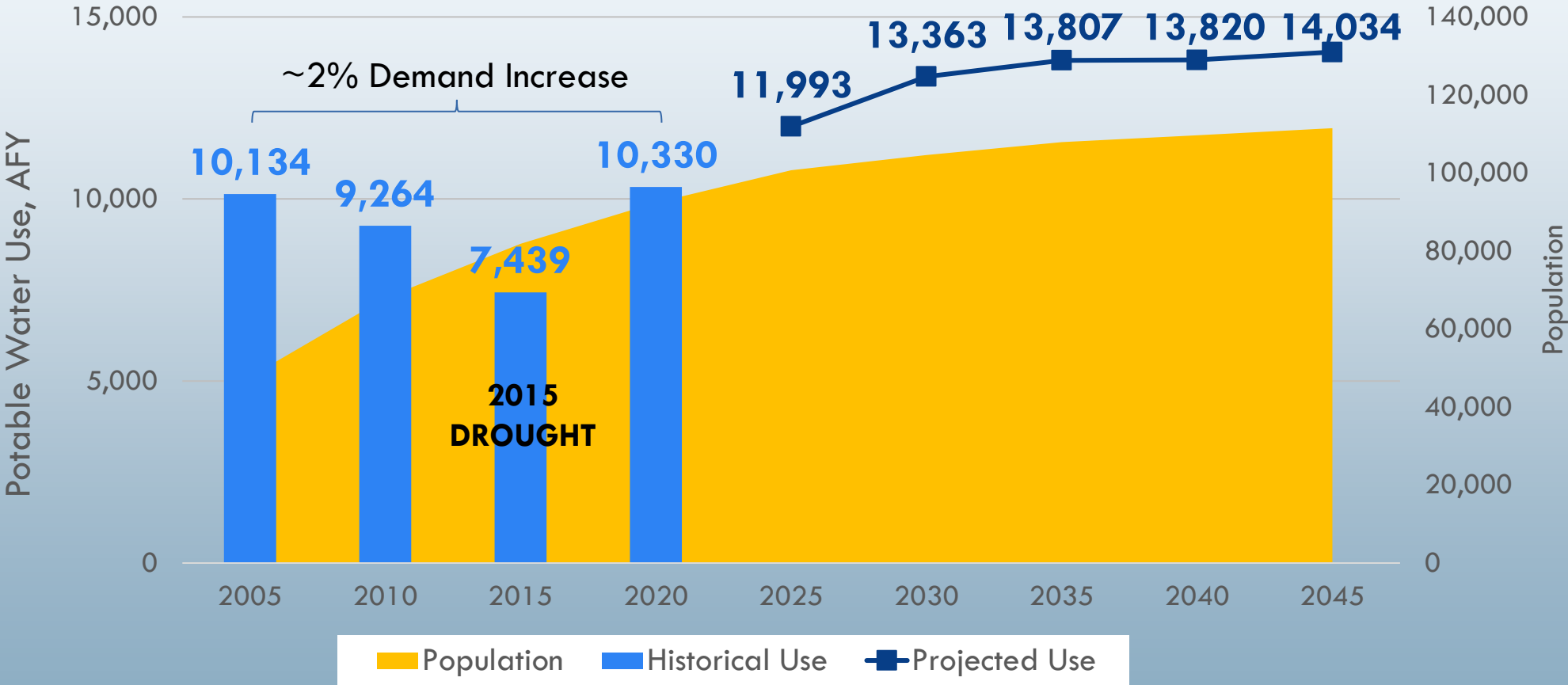
Water Shortage Contingency Plan

9

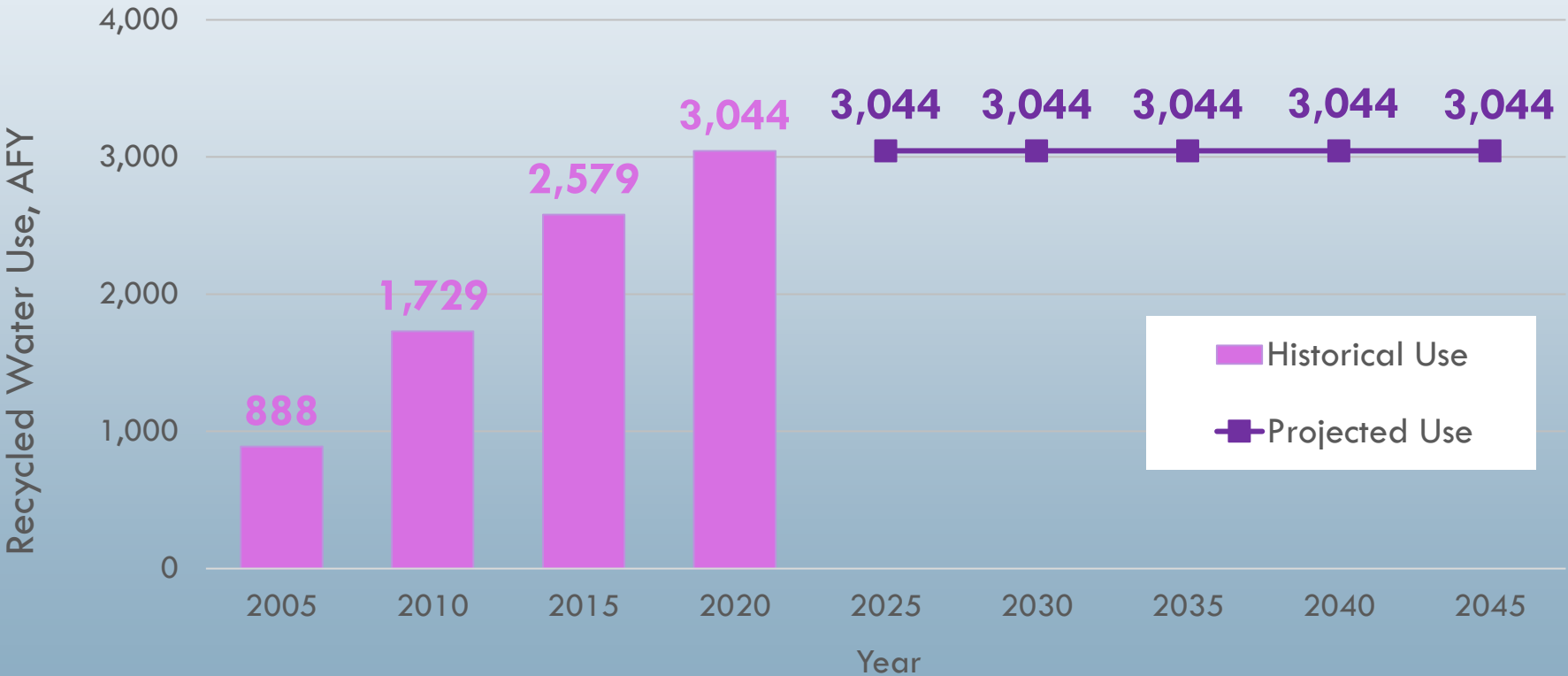
Demand Management Measures



# HISTORICAL AND PROJECTED POTABLE WATER DEMANDS

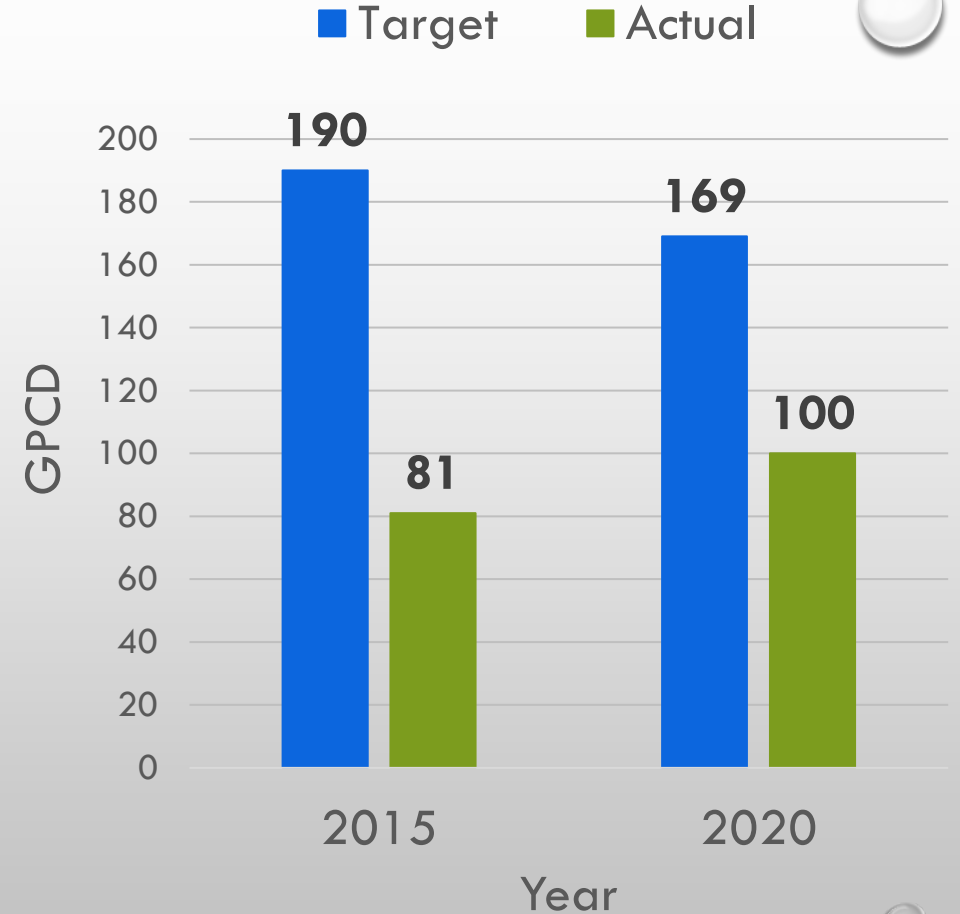


# HISTORICAL AND PROJECTED RECYCLED WATER DEMANDS



# WATER CONSERVATION ACT OF 2009 (SB X7-7)

- Enacted in 2009 and first included in 2010 UWMPs
- **DSRSD Baseline:**  
211 gallons per capita per day
- **2020 Target:**  
169 gallons per capita per day



DSRSD met its  
2015 (interim target) and  
2020 per capita water use targets



# PROJECTED WATER SUPPLIES

- Zone 7 water supply
  - Imported and local surface water
- Recycled water
  - DSRSD Recycled Water Treatment Facilities
- Local groundwater pumping quota



# WATER SUPPLY RELIABILITY

- Supplies can meet existing and projected water demands through 2045
  - Normal condition
  - Single dry year condition
  - Multiple dry year condition
- Assumes State Water Project is fully operational



# WATER RELIABILITY/ RESILIENCY PROJECTS

## ZONE 7

- Bay Area Regional Desalination Project/Potable Reuse
- Delta Conveyance Project
- Sites Reservoir
- State Water Project Transfer
- Los Vaqueros Reservoir Expansion

## DSRSD

- Recycled Water Augmentation



Los Vaqueros Reservoir

# WATER SHORTAGE CONTINGENCY PLAN

- Aligns water shortage “stages” with State standard stages
  - Six water shortage stages (NEW)
  - Stages triggered by water shortage conditions: Supply and demand gap
  - Stages defined generally to allow flexible response

Current Water Shortage Stages
Stage 1 – Up to 20% (Voluntary)
Stage 2 – Up to 20% (Voluntary or Mandatory)
Stage 3 – Up to 35%
Stage 4 – Up to 50%



Shortage Level	Percent Shortage Range	Shortage Response Actions (Narrative description)
1	Up to 10%	Voluntary Reduction
2	Up to 20%	Minimal Reduction
3	Up to 30%	Moderate Reduction
4	Up to 40%	Significant Reduction
5	Up to 50%	Severe Reduction
6	>50%	Critical Reduction

# WATER SHORTAGE CONTINGENCY PLAN

- Identifies shortage response actions for each stage with water use efficiency
  - Demand reduction
  - Supply augmentation
  - Operational changes
- Annual Water Supply And Demand Assessment Process (new)
- WSCP may be updated outside UWMP cycle



# DEMAND MANAGEMENT MEASURES

- Public education and outreach
- Water waste prevention ordinances
- Programs to assess and manage distribution system real loss
- Water conservation program coordination and staffing
  - Water efficient landscape program
  - Giveaways and rebates
- Conservation pricing
- Customer usage analysis to identify water waste





# DEMONSTRATION OF CONSISTENCY WITH THE DELTA PLAN

- 2015 and 2020 UWMPs to demonstrate consistency with the Delta Plan Policy WR P1—reduce reliance on the Delta through improved regional water self-reliance
- DSRSD is a Delta Plan participant through Zone 7
  - Demonstrate consistency in Appendix B of 2020 UWMP
  - Must adopt addendum to 2015 UWMP

An aerial photograph of a large, winding reservoir or delta system. The water is a deep blue color, contrasting with the surrounding agricultural fields in shades of green and brown. Several high-voltage power lines with towers are visible in the foreground and middle ground. The sky is clear and blue. The title 'REDUCED RELIANCE ON THE DELTA' is overlaid in white, bold, sans-serif font at the top center.

# REDUCED RELIANCE ON THE DELTA

- Supplies contributing to self-reliance
  - Water use efficiency
  - Water recycling
  - Conjunctive use
- Reduced reliance by 7% by 2025
- Reduced reliance by 12% by 2045



# UWMP PUBLIC PROCESS



60-day  
notifications to  
cities and counties



Meetings and  
coordination with  
Zone 7 and other  
retailers



Public Draft  
for Review



Public  
Hearing –  
Today



Adoption -  
June 15,  
2021

# COMMENTS RECEIVED



## NEXT STEPS



- TODAY

- Conduct Public Hearing for 2020 Draft UWMP

- JUNE 15, 2021

- Adoption of

- ✓ 2020 UWMP
- ✓ WSCP
- ✓ Addendum to 2015 UWMP



DUBLIN SAN RAMON SERVICES DISTRICT  
**2020 URBAN WATER  
MANAGEMENT PLAN**

QUESTIONS AND  
DISCUSSION





DUBLIN SAN RAMON SERVICES DISTRICT  
**2020 URBAN WATER  
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OPEN PUBLIC HEARING

