

# Monte Vista Water District

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**ADOPTION OF**  
**2020 URBAN WATER MANAGEMENT PLAN**  
**AND**  
**WATER SHORTAGE CONTINGENCY PLAN**

June 23, 2021



## 2020 Urban Water Management Plan

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- Urban Water Management Planning Act (1983)
  - Long Range Water Resource Planning Document to Ensure Adequate Water Supplies to meet Existing and Future Water Demands
  - Urban Water Supplier Defined as “...a supplier either publicly or privately owned, providing water to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually”
  - Urban Water Supplier to Update its UWMP Every 5 years
  - Required by DWR to Receive State Grants and/or Loans



## Components of the UWMP

- Water Use & Supply Characterization
- Water Service Reliability and Drought Risk Assessment
- Demonstrated Reduced Imported Water Reliance
- SB X7-7 Baseline and Targets
- Water Shortage Contingency Plan
- Demand Management Measures



# Key Findings of UWMP

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- **Water Use & Supply Characterization**
  - Groundwater
    - Chino Basin
  - Imported Water
    - Water Facilities Authority (Inland Empire Utilities Agency)
    - San Antonio Water Company
  - Recycled Water
    - Inland Empire Utilities Agency
  - Water Sources are Managed and Reliable
    - Metropolitan Water District of So. California
    - Chino Basin Watermaster
    - Inland Empire Utilities Agency
  - The District has Flexibility to Manage Supply Sources under Drought Conditions



## Key Findings of UWMP

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- **Water Service Reliability and Drought Risk Assessment**
  - Monte Vista Water District's water supplies are reliable in meeting demands during existing and projected normal, single dry, and five consecutive year drought periods through 2045
  - Drought Risk Assessment based on a five consecutive year drought from 2021 through 2025 and available historical supplies
  - Annual Assessment due beginning on July 1, 2022
    - Review of the District's unconstrained water demands (prior to any Water Shortage Contingency Plan response actions)
    - Provides information regarding anticipated shortages, shortage response actions, and communication regarding the Water Shortage Contingency Plan



## Key Findings of UWMP

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- **Demonstrated Reduced Imported Water Reliance**
  - Demand in GPCD for the "Baseline year" was compared to the GPCDs in subsequent years (from 2020 through 2045, in five-year increments). The reduced GPCD multiplied by the population in these subsequent years is indicative of the potential reduced regional reliance on imported water supplies.
  - The recycled water use from 2020 projected through 2045, in five-year increments, also demonstrates reduced regional reliance on imported water supplies.
  - To the extent IEUA have, or plan to, use recycled water to replenish the Chino Basin.

## Key Findings of UWMP

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- **Demonstrated Reduced Imported Water Reliance (Continued)**
  - 2010 Use (Baseline): 336 GPCD
  - 2020 Use (Actual): 243 GPCD
  - 2045 Use (Projected): 245 GPCD

Includes Sales to City of Chino Hills



# SBX 7-7 (2020 Water Use Target Compliance)

SB X7-7 Table 9: 2020 Compliance							
Actual 2020 GPCD <sup>1</sup>	Optional Adjustments to 2020 GPCD				Adjusted 2020 GPCD <sup>1</sup> <i>(Adjusted if applicable)</i>	2020 Confirmed Target GPCD <sup>1,2</sup>	Did Supplier Achieve Targeted Reduction for 2020?
	Enter "0" if Adjustment Not Used			TOTAL Adjustments <sup>1</sup>			
	Extraordinary Events <sup>1</sup>	Weather Normalization <sup>1</sup>	Economic Adjustment <sup>1</sup>				
124	-	-	-	-	124	167	YES
<sup>1</sup> All values are reported in GPCD							
<sup>2</sup> 2020 Confirmed Target GPCD is taken from the Supplier's SB X7-7 Verification Form Table SB X7-7, 7-F.							
NOTES:							

- Monte Vista Water District is in compliance with the 2020 Water Use Target.





# Water Shortage Contingency Plan

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- Water Shortage Contingency Plan
  - Urban Water Suppliers (including the District) are Required to Prepare and Adopt
    - Included as Chapter 8 of the District's 2020 Urban Water Management Plan
    - May also be Used as a Stand-alone Document
  - To Be Implemented During Drought Conditions to Initiate:
    - Potential Water Supply Augmentation Measures
    - Customer Demand Reduction Measures



## Water Shortage Contingency Plan (cont.)

- The District's Water Shortage Contingency Plan is Correlated to DWR's Six Standard Water Shortage Levels Corresponding to Progressive Demand Reduction Measures Ranging from up to 10, 20, 30, 40, 50, and Greater than 50 Percent.

**Corresponding Relationships Between Supplier's 2015 Shortage levels and the 2020 WSCP Mandated Shortage Levels**

Established Level	Supply Condition/ Shortage	2020 Standard Level	Shortage Level
Significant Shortage	10 to 25%	1	≤ 10%
		2	10 to 20%
Critical Shortage	25 to 40%	3	20 to 30%
		4	30 to 40%
Emergency Shortage	> 40%	5	40 to 50%
		6	> 50%



## Water Shortage Contingency Plan (cont.)

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- Incorporates
  - Existing Demand Management Measures
  - Existing Emergency Response Plan
  - Existing Seismic Risk Assessment and Mitigation Plan
- Conclusion: The District will be Able to Meet Water Demands Under Drought Conditions Using Existing Water Supplies Coupled With Customer Demand Reduction Measures

