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2025 Urban Water Management Plan and Water Shortage Contingency Plan for Palmdale Water District

Public Draft

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Public Hearing
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Public Hearing Agenda

- ▶ UWMP Act Overview & Key Requirements
- ▶ Population and Demand Assessment
- ▶ Water Supplies and Demands
- ▶ Water Shortage Contingency Plan (WSCP)
- ▶ Next Steps
- ▶ Public Comment and Q&A

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What is a UWMP?



Prepared by urban water suppliers to **support long-term resource planning** and to ensure that **adequate water supplies are available** to meet existing and future water needs

- Identify relationships between supply and demand
- Addresses water quality concerns
- Evaluate supply and demand through time in all hydrologic year types



State Requirement for UWMPs are found in two sections of California Water Code, [§10610-10656](#) and [§10608](#)

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New since 2020

- ▶ SBx7-7 did not sunset
- ▶ Water loss standard reporting
- ▶ 5-year drought risk assessment
- ▶ Sustainable groundwater management
- ▶ Making Conservation a California Way of Life
- ▶ Annual Water Supply and Demand Assessment

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UWMP Main Components

► **Comparison of Supply and Demand:**

- Normal Year, Single-dry Year, Multiple-dry Year

► **Drought Risk Assessment**

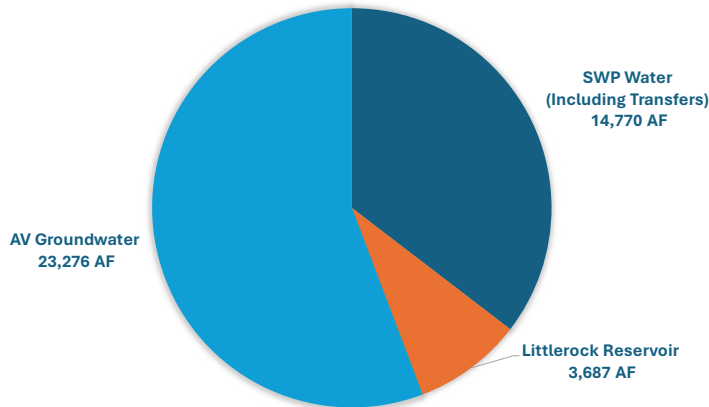
► **Demand Management Measures**

► **Water Shortage Contingency Plan:**

- Stand-alone, separate board action
- Defines procedures for required Annual Water Supply and Demand Assessment

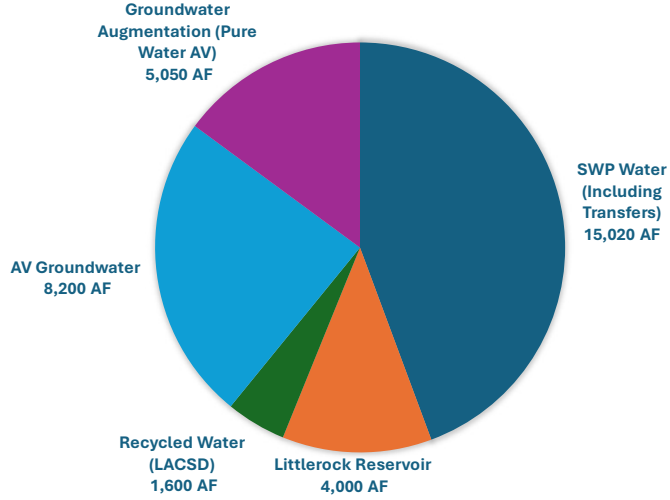
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2025 Water Supply Portfolio



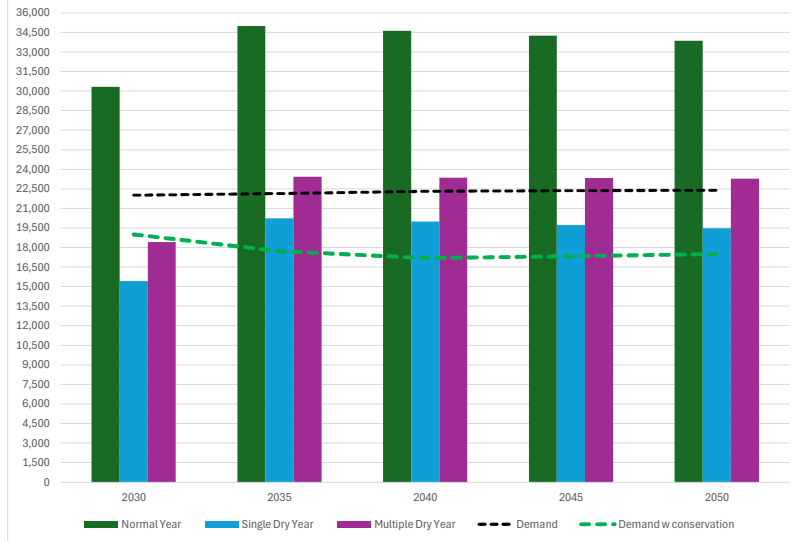
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2050 Water Supply Portfolio

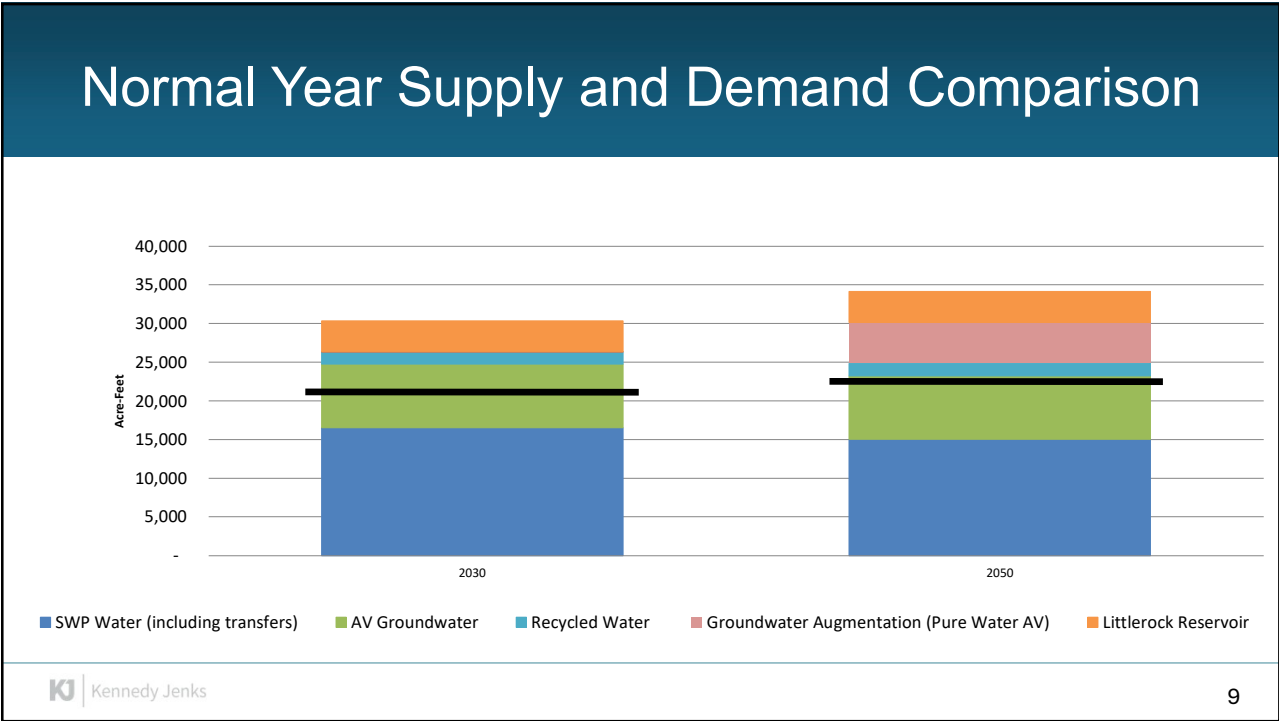


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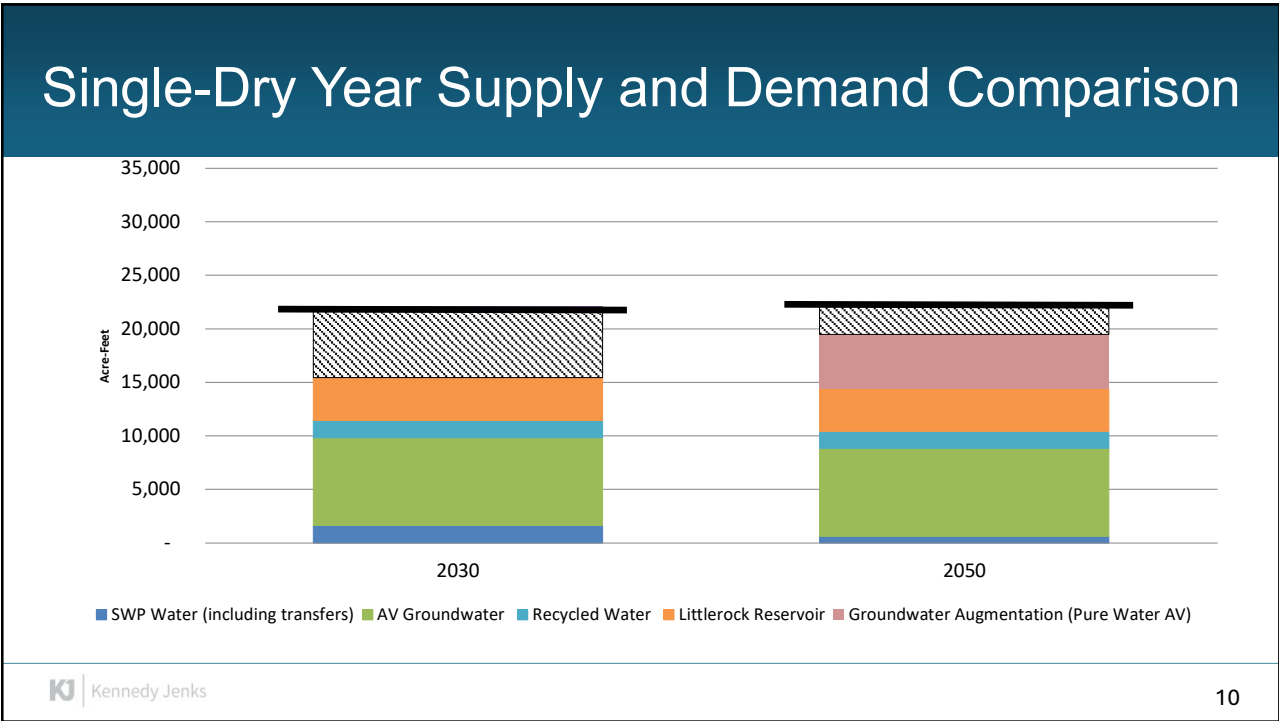
Projected Supply and Demand



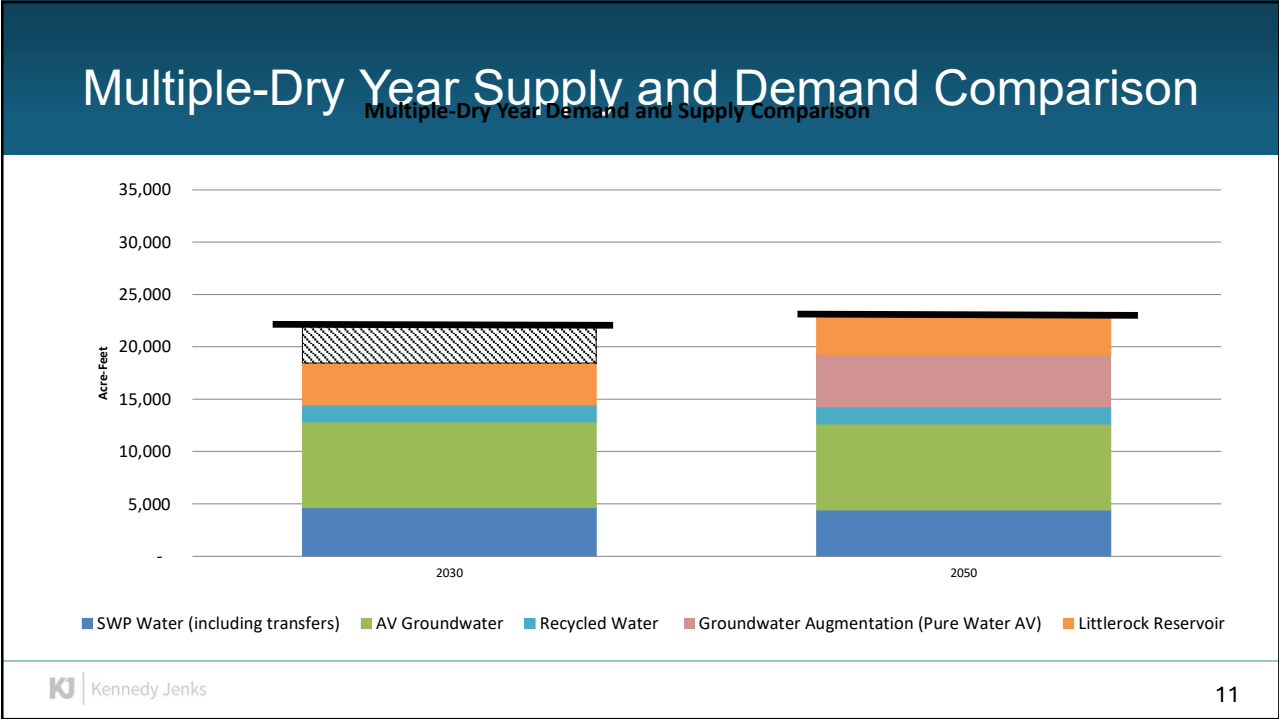
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What is a Water Shortage Contingency Plan?

-  Framework to address a range of potential events that could result in serious water shortages, including drought, earthquakes, or water system failures
-  State requirements are found in the California Water Code §10632
-  Stand alone document that is updated and adopted in concert with the UWMP



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WSCP Components

When is it Required?

- ▶ Update WSCP every 5 years (or as needed)
- ▶ Rule 160/Regulation XV due by July 1

How it Works

- ▶ Details Procedures for Annual Water Shortage Assessment
- ▶ Map conservation stages to DWR-required 6 stages
- ▶ Estimate conservation stage actions % demand reduction
- ▶ Trigger appropriate conservation stage to resolve any shortage

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Rationing and Reduction Goals

Deficiency or State Mandated Reduction	Stage	Demand Reduction Goal	Type of Program	Water Shortage Condition
1-10%	I	10%	Voluntary	Minor Shortage
11-20%	II	20%	Voluntary/Mandatory	Moderate Shortage
21-30%	III	30%	Mandatory	Severe Shortage
31-40%	IV	40%	Mandatory	Critical Shortage
41-50%	V	50%	Mandatory	Emergency Shortage
>50%	VI	>50%	Mandatory	Catastrophic Failure

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Example of PWD and Customer Response Actions

- ▶ Public Information Campaign
- ▶ Complying with District Waste of Water Policy
- ▶ Voluntary/Mandatory conservation measures
- ▶ Limit washing of sidewalks
- ▶ No filling of pools
- ▶ Obligation to fix leaks

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Fundamental Conclusions

- ▶ Adequate supplies to meet demands during normal years
- ▶ During single-dry years, demand exceeds supply starting in 2030, unless additional conservation efforts are implemented
- ▶ During multiple dry years, demand exceeds supply until the Pure Water Antelope Valley comes online (2031) and recycled water availability increases
- ▶ The WSCP identifies opportunities to reduce customer demand during water shortages
- ▶ Existing supplies in combination with identified future and potential water supply opportunities enable PWD to meet future water demands under all hydrologic conditions through 2050

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Next Steps

- ▶ Public Comment Period
- ▶ Consider Adoption
- ▶ Submittal to:
 - ▶ Department of Water Resources
 - ▶ State Library
 - ▶ Cities of Lancaster and Palmdale
 - ▶ Los Angeles County Department of Regional Planning

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Public Comment and Q&A



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