

Review of the Remaining Planning Process and Funding Needs for Sites Reservoir Project

Water Planning & Stewardship Committee Item 9-3 March 7, 2022

Topics Storage Supplies & Lessons Learned Integrated Groundwater & Surface Storage Sites Reservoir Planning Status Key Progress & 2022-2024 Workplan Project Benefits Statewide & Metropolitan Specific Participation & Funding Consideration **Previous & Upcoming Decision** Next Steps Slide 2 Item 9-3 March 7, 2022 **WP&S** Committee

The Original Vision 1950s



- Large North-of-Delta storage
- Deliveries across Delta when dry



Integrated Operations 1990s

Oroville

San Luis

- Develop diverse portfolio, including GW banking & off-stream storage
- Integrate surface reservoir and groundwater recharge operations

- O Semitropic
 O North Kern
 - O Kern Delta
 - Arvin-Edison

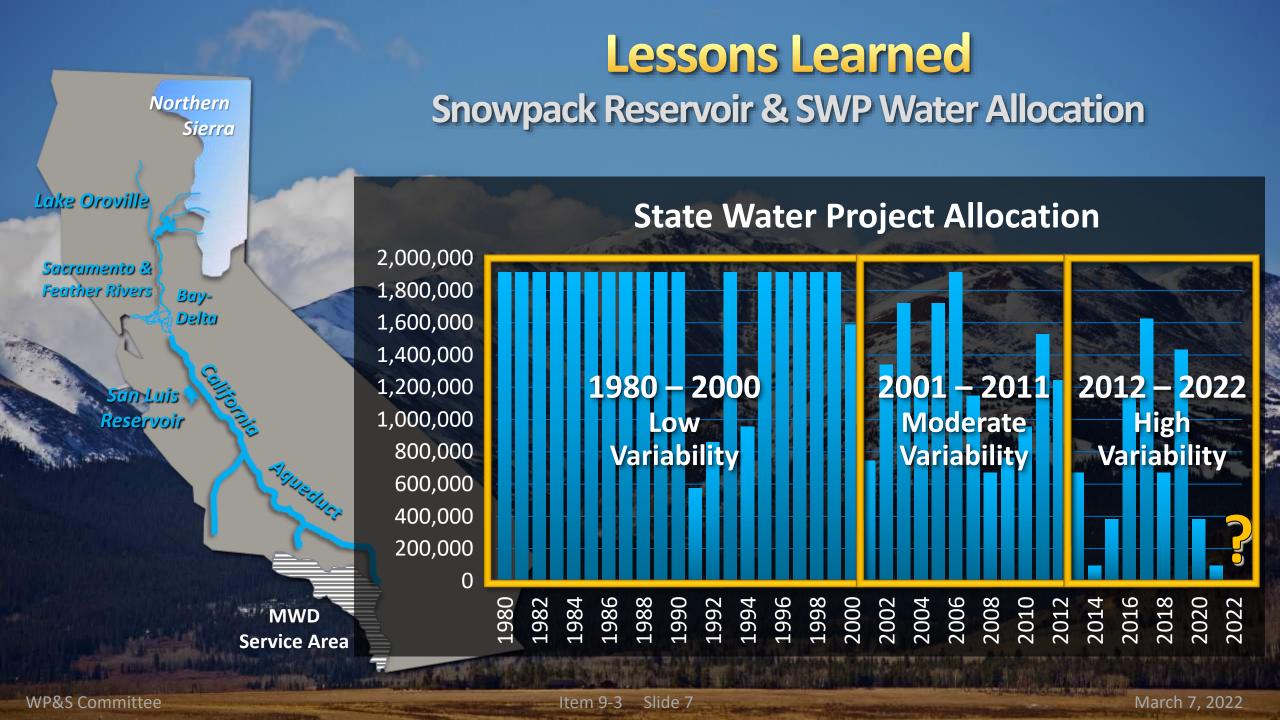
Antelope Valley-East Kern

- **Mojave**
 - San Bernardino
 - ODiamond Valley Lake
 - **Desert/Coachella**

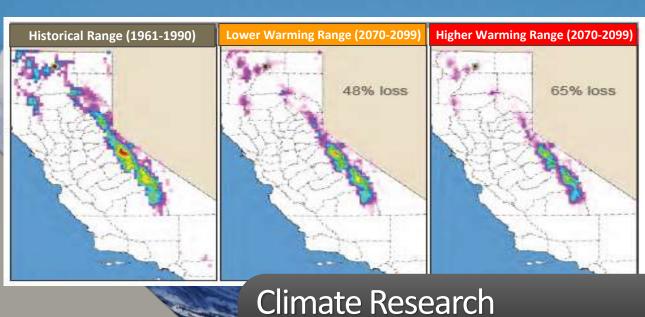
MWD Service Area Projects

Recycling 73
Groundwater Recovery 23
Seawater Desalination 5
Groundwater Banking 8
Conservation





Lessons Learned Snowpack Reservoir & SWP Water Allocation



- 30 to 65% of snowpack (4-9 million AF) will fall as rain by 2100
- Existing reservoirs not designed to handle faster runoff
- Lower river flows in the spring/summer for fish and water supply

Northern

Bay-Delta

San Luis Reservoir

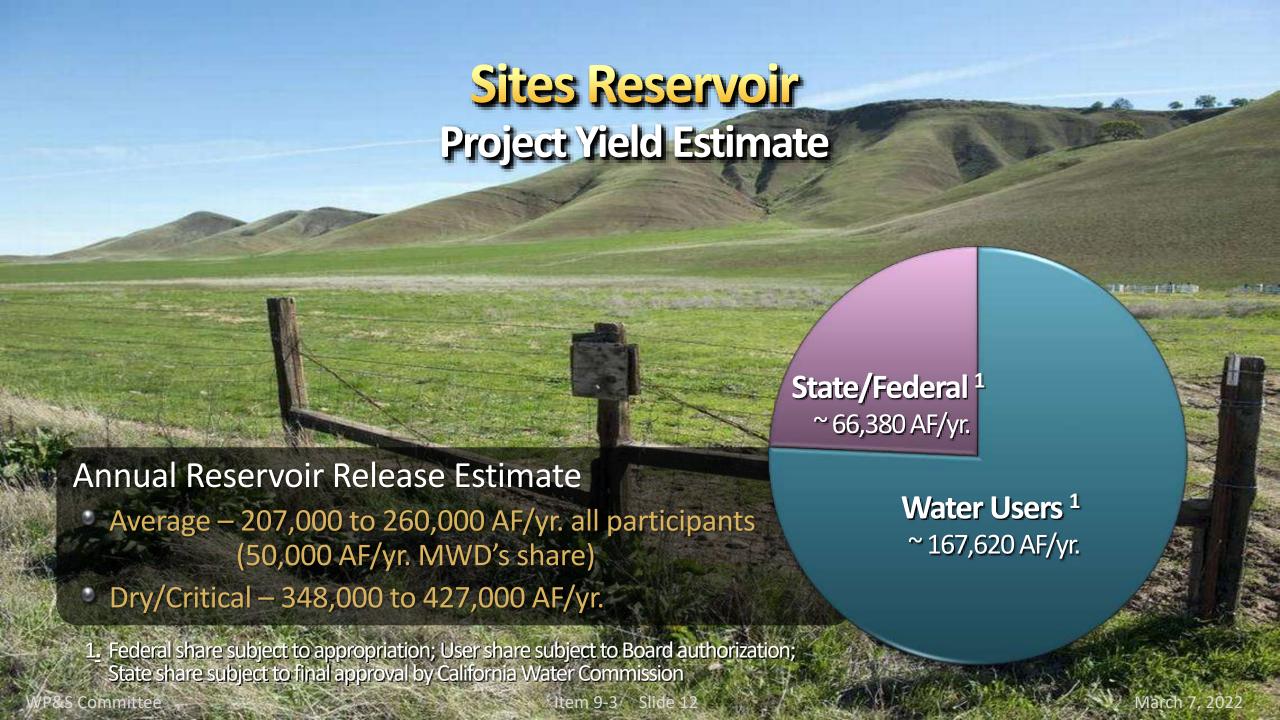
Lake Oroville

Sacramento & Feather Rivers Sierra

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2023 2025 DESIGN P&S Committee Item 9-3 SI

Key Progress

▼ Technical Analyses

- Initial water supply modeling & operations
- Initial engineering design & cost estimates
- Value Planning project improvements

☑ Regulatory/Environmental

- Revised Draft Environmental Impact Report/Statement
- Regulatory agency consultation & initial permit application development

✓ State/Federal Funding

- \$836 million State Proposition 1 grant
- \$104 million federal WIIN Act grant
- \$449 million US Dept. of Agriculture loan
- \$600 million federal WIFIA loan (application)

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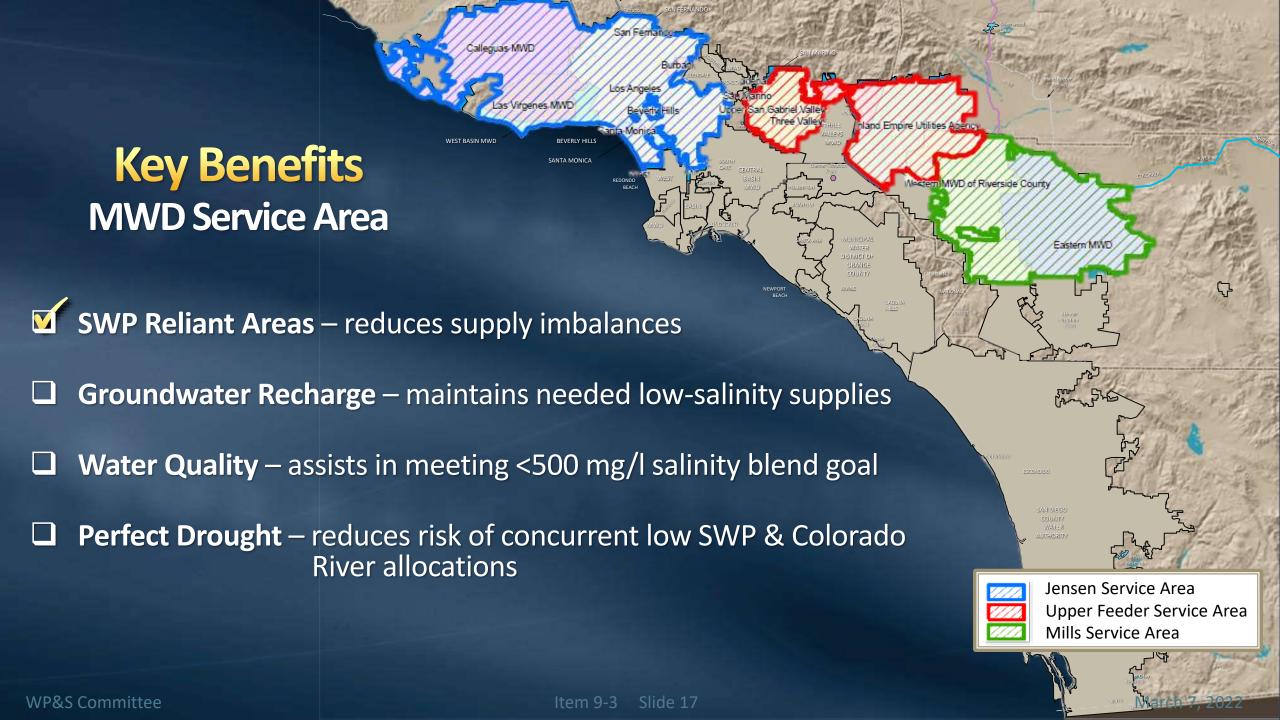


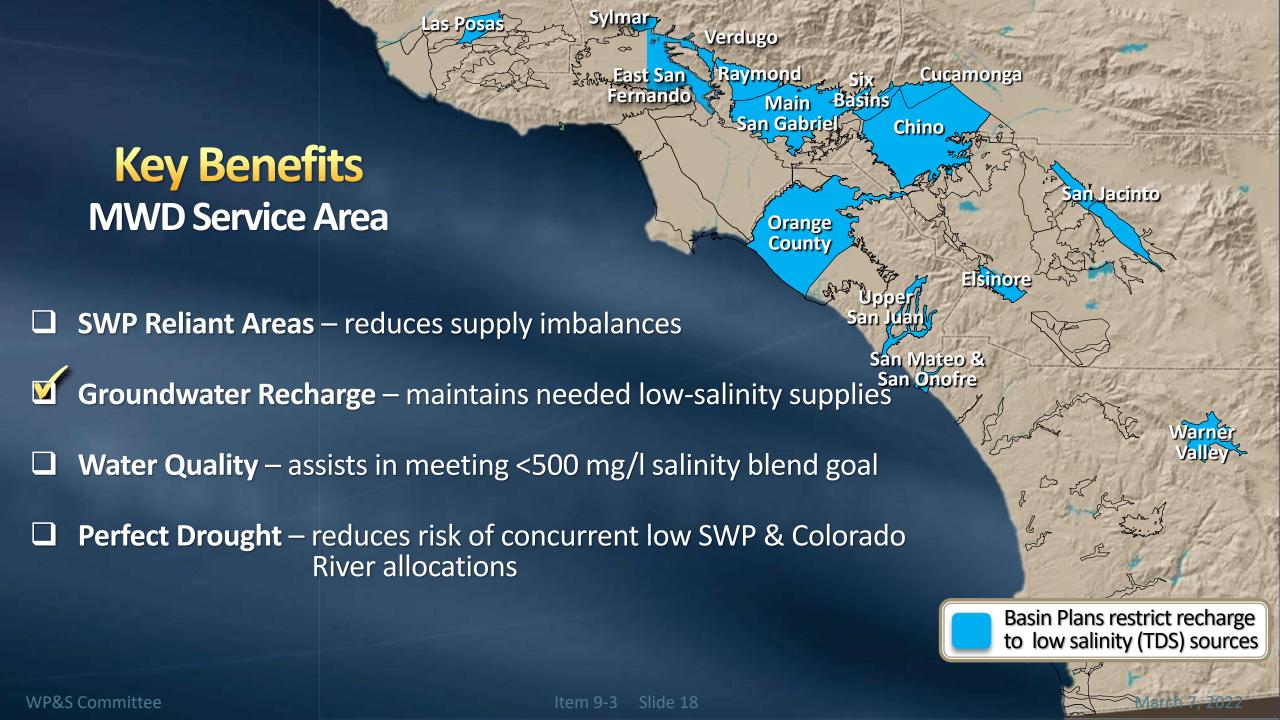
Key Benefits – Overall

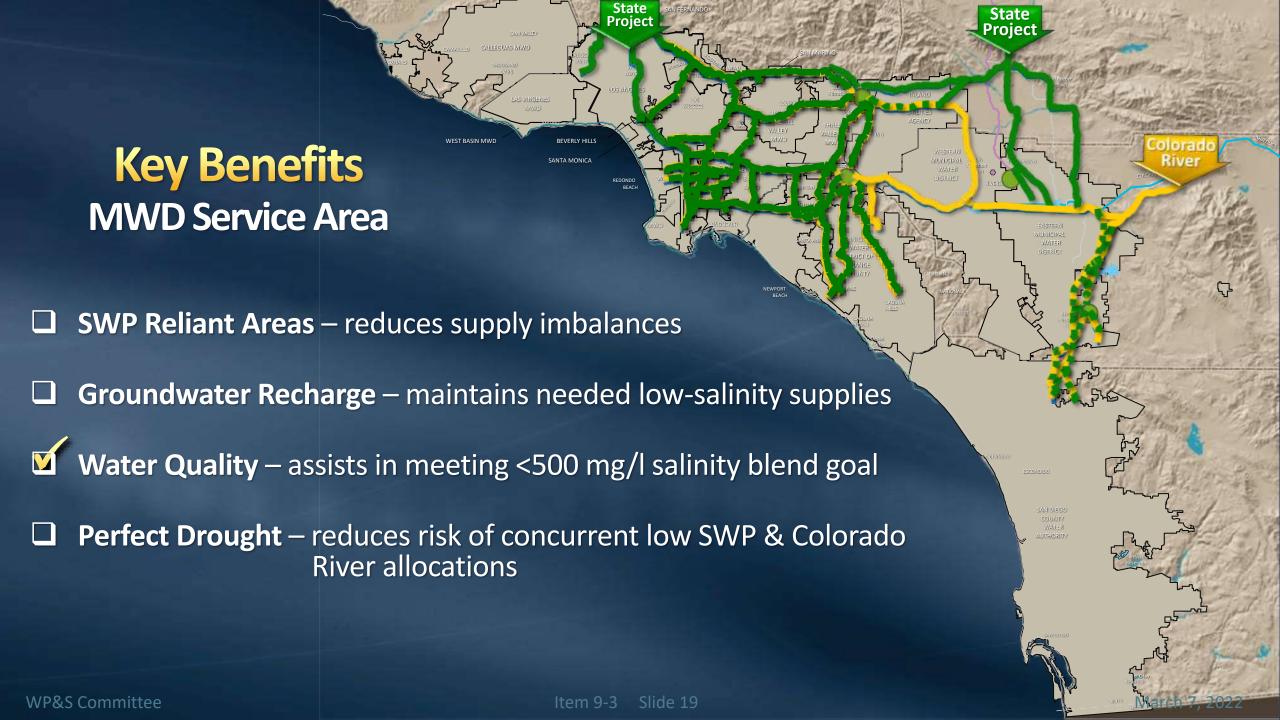
- Improves ability in meeting future climate change challenges
- Mitigates for decreased snowpack and increased rainfall
- Dedicates portion of new storage for environmental use only
- Important collaborative approach among northern & southern California water agencies

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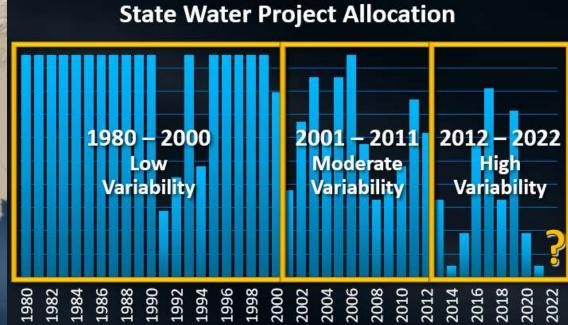








- ☐ Water Quality assists in meeting < 500 mg/l salinity blend goal
- Perfect Drought reduces risk of concurrent low SWP & Colorado River allocations



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Metropolitan Board Funding Considerations

- **2017**
 - \$1.5 million cost-share for 2017-18 Sites Reservoir workplan
- 2019
 - \$4,212,500 cost-share for 2019-20 Sites Reservoir workplan
- **2020**
 - \$5 million cost-share for 2020-21 Sites Reservoir workplan
- 2022 (proposed)
 - \$20 million cost-share for 2022-24 Sites Reservoir workplan

State 12%

Federal ¹ 38%

2022-24 Workplan 3-Year Budget¹

Water User ³ 50%

1	Source	2022	2023	2024	Total
1	State (Prop 1 Grant)	\$ 18,300,000			\$ 18,300,000
ı	Federal (WIIN Act) ²	\$ 10,000,000	\$ 20,000,000	\$ 20,000,000	\$ 50,000,000
١	Water Users ³	\$ 17,267,000	\$ 23,972,000	\$ 27,324,000	\$ 68,563,000
	Carryover Funds	\$ 6,000,000			\$ 6,000,000
-	TOTAL ³	\$51,567,000	\$43,972,000	\$47,324,000	\$ 142,863,000
	MWD Share 4	\$ 5,000,000	\$ 7,000,000	\$ 8,000,000	\$20,000,000

- 1. 2022-24 Workplan, also referred to as the Amendment 3 Workplan, is for the period of Jan. 1, 2022, through Dec. 31, 2024.
- 2. Subject to federal appropriation
- 3. Subject to individual participating agency Board approval
 4. Assumes participation by Metropolitan based a 311,700 acre-ft of storage (also defined as an average yield of 50,000 AF/year)

Reservoir overlook – Governor Brown (2018) WP&S Committee

2022-24 Workplan Focus & Key Deliverables

- Environmental
 - Final EIR/EIS & Record of Decision
- Permits/Agreements
 - Water rights permit
 - Environmental permits
 - Local agency agreements
- Project Operations
 - Final coordinated operations agreement with DWR/USBR
- Engineering
 - Advance 30% design & geotechnical investigations
- Develop mitigation & land acquisition master plan

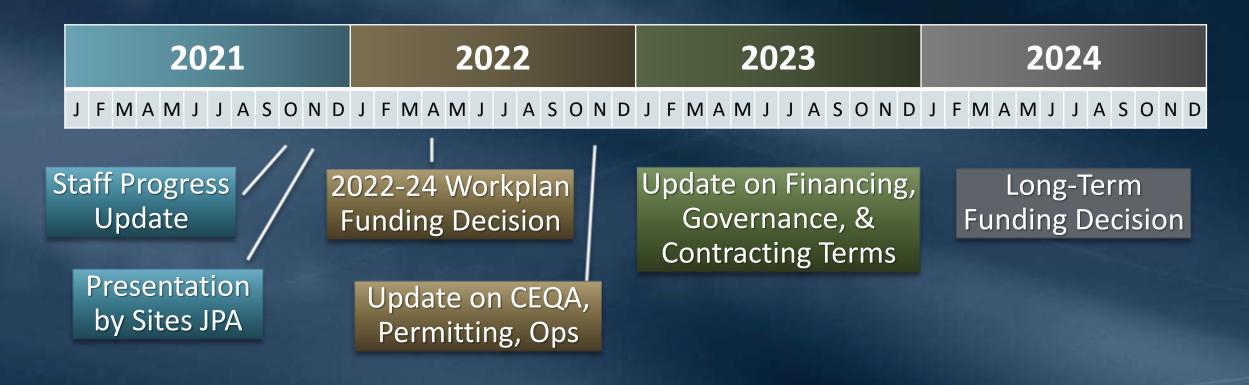
1. 2022-24 Workplan, also referred to as the Amendment 3 Workplan

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Metropolitan Board Proposed Timeline ¹



1. Subject to change



Next Steps

April 2022 Board letter on funding 2022-24 Workplan

Final environmental documents by Oct 2022

Decision on project implementation in 2024

