

Reservoir Restoration Program & Climate Change

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Los Angeles County Flood Control District



110 Years

14 Major Dams

35 Sediment Placement Sites

27 Spreading Grounds

178 Debris Basins



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Climate Change and Weather Whiplash

**Weather extremes impact flood
control operations**

- Prolonged Droughts
- Extreme Weather Events
- Frequent Wildfires





Reservoir Restoration Program

Sediment Accumulation



Post-Fire Conditions Increase Sediment and Debris Deposition



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Sediment Removal





Sediment Placement



Reservoir Restoration Program



10-Year Project Summary

Project Name	Sediment Removed (CY)	Total Contract Cost
Cogswell Reservoir Post-Fire Emergency Project (2021-2024)	2,178,000	\$158,843,000
Devil's Gate Reservoir Annual Maintenance (2022-2031)	600,000	\$40,000,000
Santa Anita Reservoir Post-Fire Emergency Project (2023-2024)	437,000	\$55,256,000
San Gabriel Reservoir Post-Fire Emergency Project Phase 2 (2021-2025)	3,200,000	\$180,997,000
Eaton Wash Dam Post-Fire Emergency Project (2025)	655,000	\$38,000,000
<i>San Gabriel Reservoir Post-Fire Emergency Project Phase 3 **</i>	<i>5,000,000</i>	<i>\$193,000,000 *</i>
<i>Big Tujunga Reservoir Restoration Project **</i>	<i>2,000,000</i>	<i>\$66,000,000 *</i>
<i>Pacoima Reservoir Restoration Project Phase 1 **</i>	<i>1,500,000</i>	<i>\$80,000,000 *</i>
<i>Pacoima Reservoir Restoration Project Phase 2 **</i>	<i>3,000,000</i>	<i>\$120,000,000 *</i>
TOTALS	18,570,000	\$932,096,000 *

* Estimated amounts

** Pending Projects

Regulatory Framework



Regulatory Requirements Impact Project Implementation

- Lengthy Environmental Document (CEQA/NEPA) Process
- Complex Regulatory Permits
- Substantial Mitigation Requirements



Community First Approach

Minimizing Community Impacts

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Stormwater Capture Operations



Thank You



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