

Sustainability, Resilience, and Innovation (SRI) at Metropolitan Water District

SBCCOG General Assembly March 23, 2023

Sustainability, Resilience and Innovation Office

Vision A resilient and equitable water future that protects nature and ensures current and future generations have access to high quality and affordable drinking water



SRI 22-24 Strategic Priorities



Lead Climate Action



Build Metropolitan Leadership in SRI



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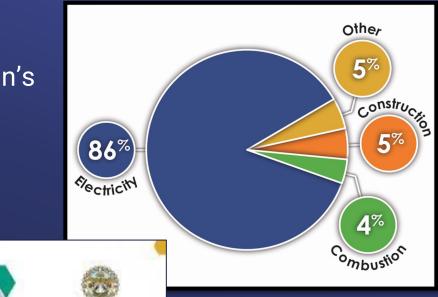
Build Metropolitan Leadership in SRI



Climate Action Plan Objectives

- Carbon Neutral by 2045
- Reduce greenhouse gas (GHG) emissions from Metropolitan's operations and future construction projects
- Increase resiliency and energy independence
- Support California's GHG reduction goals
- Complement other Metropolitan planning efforts:
 - One Water / Integrated Resources Plan
 - Capital Investment Plan
 - Infrastructure Resilience Plan
 - Energy Sustainability Plan

MWD Emissions by Sector



Climate

The Microsoftian Mater Tratrict of Southern California

Plan

Implementing the Climate Action Plan







Turf Replacement Rebates:

June: 817,719 ft² removed

FY2020/21-FY2021/22: 9,177,381 ft² removed



Smart Controllers:

June: 3,369 units rebated

FY2020/21-FY2021/22: 26,992 units rebated



Sprinkler Nozzles:

June: 4,110 units rebated

FY2020/21-FY2021/22: 60,464 units rebated



Clothes Washers:

June:512 units rebated

FY2020/21-FY2021/22: 31,577 units rebated



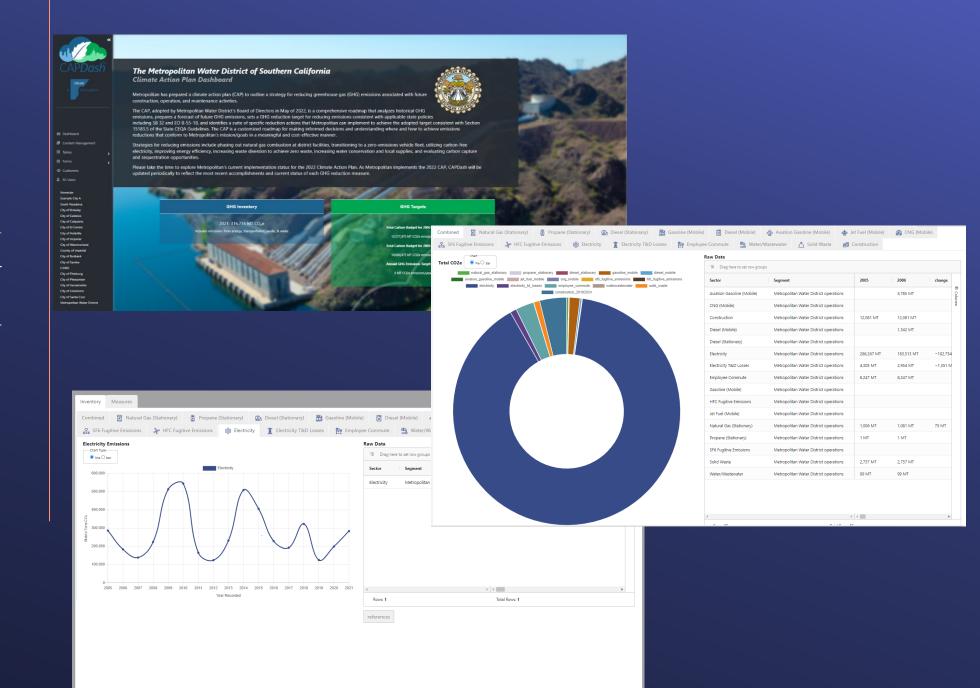
Toilets:

June: 2,833 units rebated

FY2020/21-FY2021/22: 23,848 units rebated



CAPDash Public GHG Dashboard



Impacts Beyond Drought









Cascading Impacts Expose Vulnerabilities



Drought + Drought Drought + Drought + Drought Drought + Extreme Heat

Drought + Flooding

Drought + Fire

Climate Vulnerability and Risk Assessment



Climate Hazards

drought, extreme heat, flooding, rising avg temp, wildfire, sea level rise



Impacts to critical systems

water supply sources, power supply, supply chain, communications



Impacts to physical assets / infrastructure



Climate Adaptation Opportunities

asset mgmt, CIP, IRP, property mgmt, system operations, emergency response, workforce, finance



vulnerabilities specific to a MA, community or group of customers





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Build Metropolitan Leadership in SRI



New Sustainability, Resilience and Innovation Council

- Members represent Metropolitan Group Managers
- Elevate SRI initiatives within & among Groups
- Participants responsible for implementing change



SRI Training and Facilitation



- External Sustainability Certificate Programs
- External Credentialing Programs
- Adding SRI topics to existing training programs

- Partner with Member Agencies on Training and Workforce
- Inspire and facilitate innovation
- Exchange best practices across utilities and partners

SRI Strategic Priorities



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Build Metropolitan Leadership in SRI



Metropolitan's Sustainability Strategy will include Guiding Principles, Section-Specific Goals and Key Performance Indicators and Initiatives



Sustainability Strategy Development

Metropolitan
Internal
Management
and Staff
Briefings

Member Agency Managers

External Partners

Align plans (IRP, CAP, Energy Sust. Plan, MA plans etc.)
Partner surveys and interviews

SRI Council input

SRI Council,

WAMs, External

Partners

Board Workshop

Co-Create Guiding Principles

Develop Goals

Identify KPIs

Prioritize Initiatives

Draft for Comment

Final Plan anticipated Spring 2023 As projects to meet goals

Annual Reports

Revisit Strategy Regularly

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