



One Water & Adaptation Committee

Climate Action Plan Annual Update

Item 6c

May 11, 2026

Presented by: Ursula Schmidt

Item 6c
Climate
Action Plan
Annual
Update

Subject

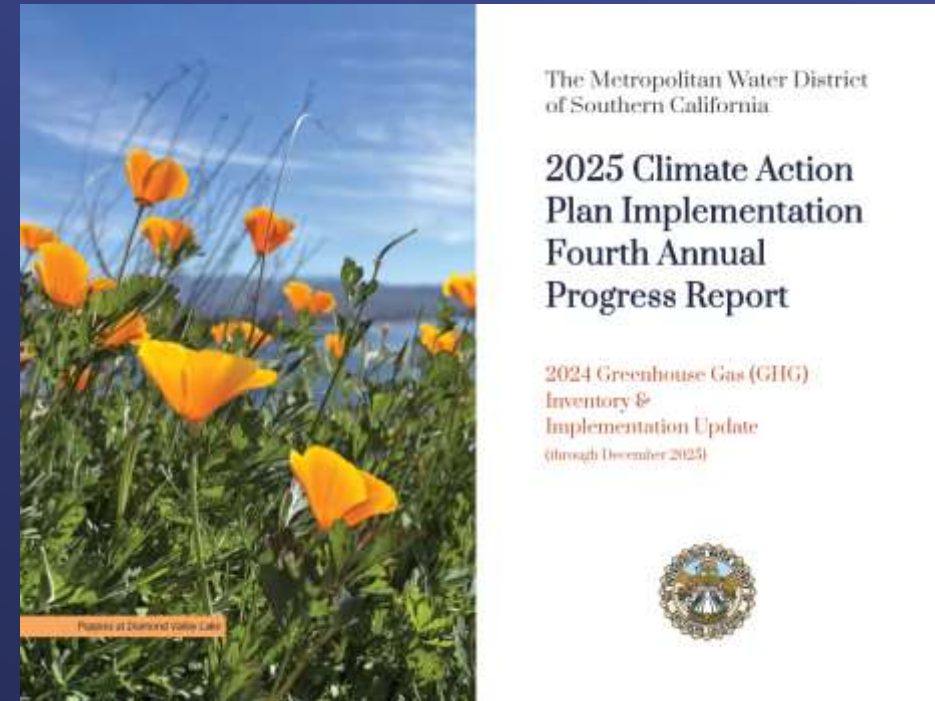
Oral Report on 2025 Climate Action Plan
Implementation, Fourth Annual Progress
Report

Purpose

Provide an update on the progress
toward the goals set in the Climate Action
Plan, and highlight achievements in 2025

Climate Action Plan (CAP) Implementation Fourth Annual Progress Report (APR)

- Highlights achievements in 2025
- Provides updated 2024 Greenhouse Gas Emissions (GHG) inventory
- Provides updated implementation status through 2025
- Supports transparency, accountability and decision-making



Strategic Framework

Climate Action Plan

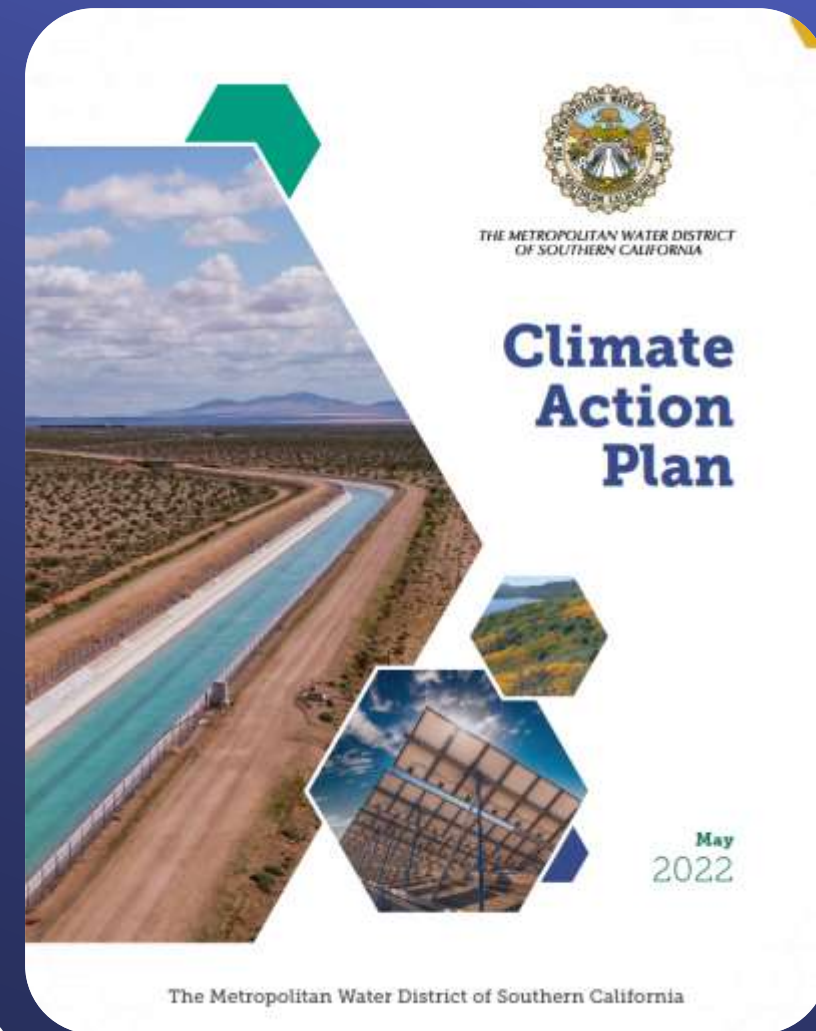
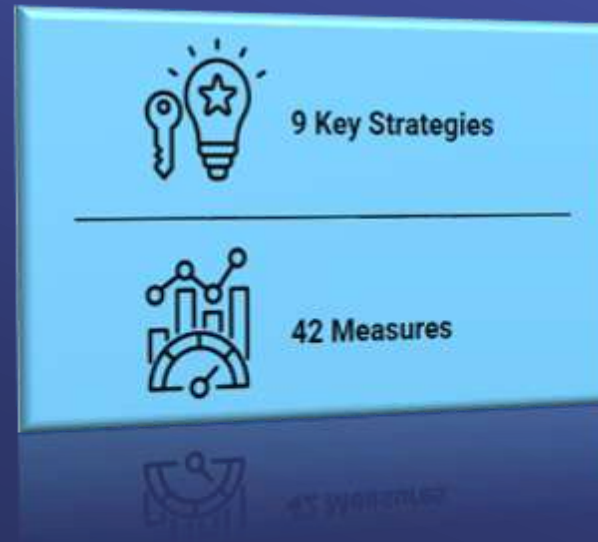
- Adopted 2022
- 9 strategies | 42 Measures

Targets

- 40 percent emissions reduction by 2030
- Carbon neutrality by 2045

Integrated Planning

- Alignment with:
 - Climate Adaptation Master Plan (CAMP4W)
 - Capital Investment Plan
 - Energy Strategy



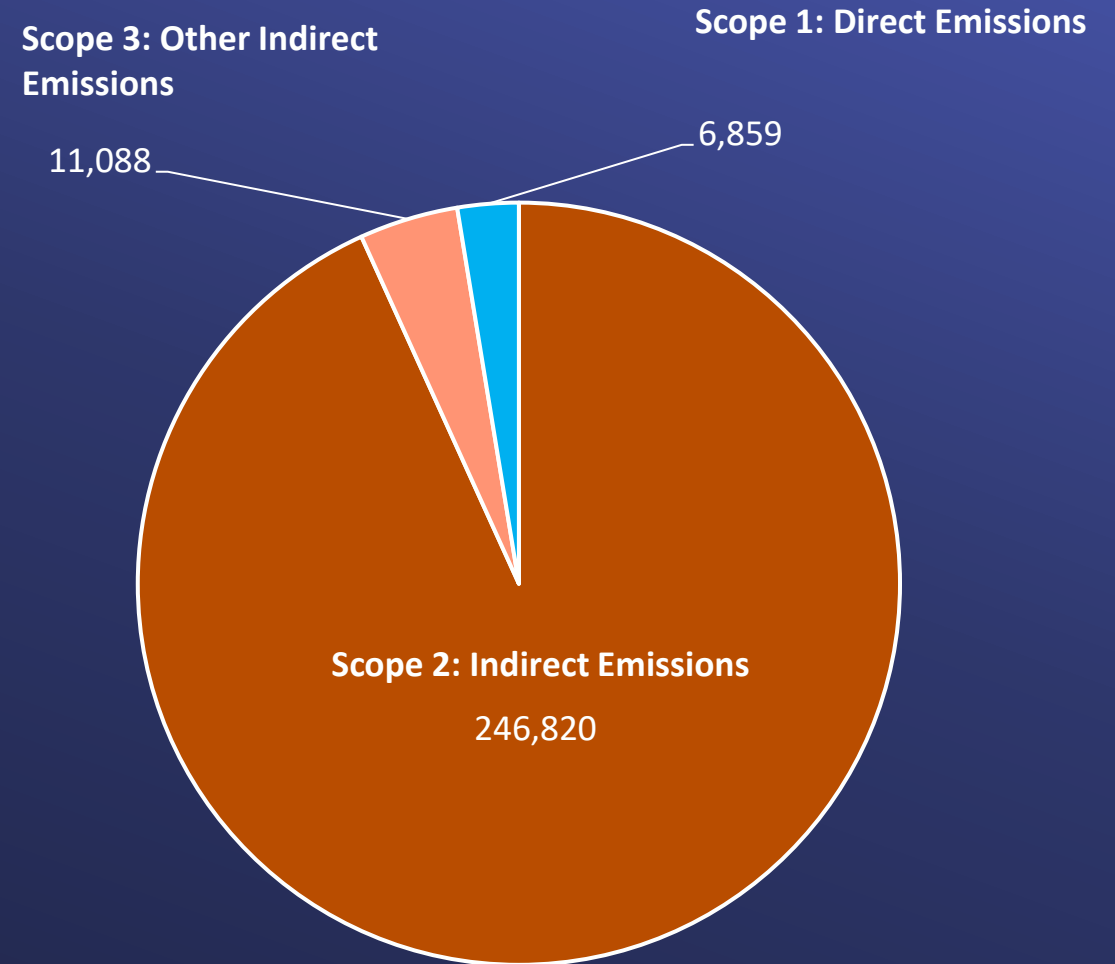
2024 GHG Emissions

Snapshot:

- Total: 264,766 MT CO₂e
 - +84% increase from 2023

By Scope:

- Scope 2 (Electricity): 93%
 - dominant driver
- Scope 1: 3%
- Scope 3: 4%



What Drove the 2024 Increase

Primary Drivers

- 97% increase in electricity emissions
- Increased CRA pumping due to:
 - Higher water demand
 - Reduced State Water Project (SWP) supply
 - Higher electricity demand (+-400,000 MWh)

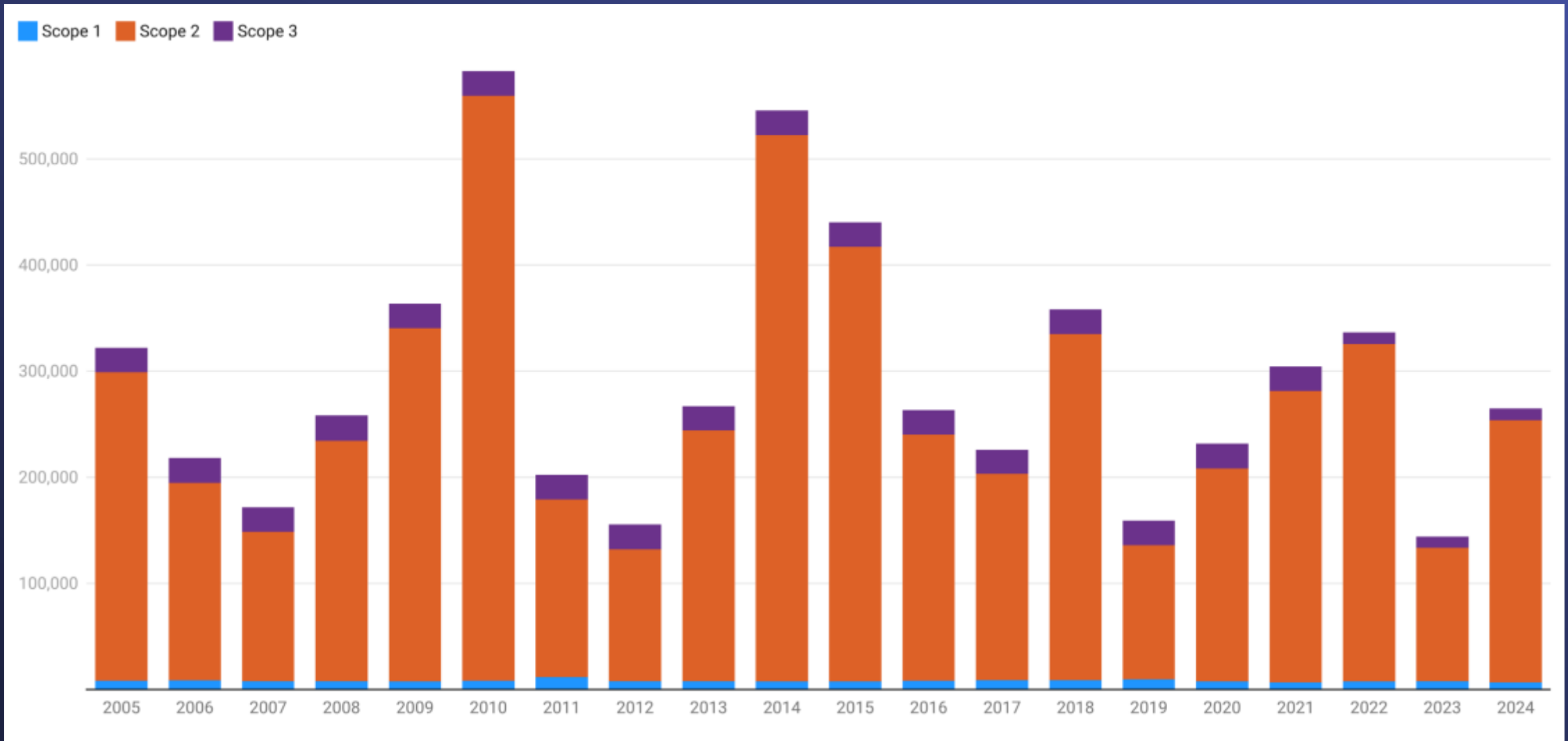


Whitsett Intake



Gene Pumping Plant

Metropolitan's GHG Emissions



Operational and Infrastructure Achievements

- 100% renewal diesel transition (fleet)
- Expansion of zero-emission vehicles and infrastructure
- LED conversion exceeding 2030 target ahead of schedule
- Continued shift to lower-carbon electricity procurement



Zero Emission Vehicle and Solar Panels



SPARKe Strategic Energy Management Program

- Partnership with Southern California Edison a
- Staff at Diemer, Weymouth and Skinner WTPs are demonstrating how operational expertise can advance energy efficiency
- Energy baselines and real-time data tracking are guiding performance improvements and validating savings.



Investments Driving Resilience and Decarbonization

Infrastructure & Innovation

- Seismic resilience (e.g., Casa Loma Siphon)
- Stormwater capture and groundwater recharge pilots
- Battery energy storage systems (in progress)

Nature-Based & Regional Strategies

- Forest health and watershed investments
- Delta land stewardship and carbon sequestration



Energy: Largest Risk and Opportunity

Electricity = ~93% of emissions
Emissions vary with pumping demand

Progress

- Increased reliance on lower-carbon CAISO power
- Energy efficiency and operational improvements underway
- Solar – 5.5 megawatts of photovoltaic solar power
- Battery storage – store generated renewable energy

Strategic Priority

- Decarbonizing electricity supply is the single most impactful lever



Carbon Budget Update



Estimated Carbon Budget
(2005-2045):

14,660,475 MT CO₂e

Allocated Carbon Budget
(2005-2024):

10,574,343 MT CO₂e

Carbon Budget Used
Through 2024:

5,817,163 MT CO₂e

Percent of 2024
Carbon Budget Used:

55%

Total Carbon Budget Remaining
(2025-2045):

8,843,312 MT CO₂e

Key Takeaways and Considerations

Key Takeaways

- Emissions variability reflects **water system operations**
- CAP implementation is advancing across all major strategies
- Electricity remains the **dominant emissions driver**

Considerations

Support continued investment in:

- Clean energy and infrastructure
- Operational flexibility
- Climate-resilient water supply strategies

Looking Ahead

- **CAP 5-Year Update (2027)** will refine pathways to 2030 and 2045 targets



Climate Action Plan Annual Update

Questions

