



2023 REPORT ON CLIMATE ACTION PLAN PROGRESS

2018 Climate Action Plan Appendix



BUILT ENVIRONMENT & TRANSPORTATION

STRATEGY	CAP MEASURE	2020 TARGET	2023 STATUS	2030 TARGET	IMPLEMENTATION STATUS
T-1 Reduce Vehicle Miles Traveled (VMT)	T-1.1 Acquire Open Space Conservation Land	2,622 Acres Acquired (3,303 MTCO ₂ e)	9,214 acres* (9,549 MTCO ₂ e)	6,992 Acres (5,771 MTCO ₂ e)	On Track
	T-1.2 Acquire Agricultural Easements	443 Acres Easements (323 MTCO ₂ e)	2,236 acres* (1,396 MTCO ₂ e)	4,873 Acres (2,330 MTCO ₂ e)	On Track
	T-1.3 Update Community Plans	N/A	In Development*	15 Plans Updated (20,923 MTCO ₂ e)	In Progress
T-2 Shift Towards Alternative Modes of Transportation	T-2.1 Improve Roadway Segments as Multi-Modal	N/A	399 bike lane miles, 247 intersection improvements* (181~ MTCO ₂ e)	700 Bike Lane Miles, 250 Intersection Improvements (604 MTCO ₂ e)	In Progress
	T-2.2 Reduce Emissions from New Non-Residential Development VMT	Adopt and Implement a Transportation Demand Ordinance	In Development*	15% New Non-Residential VMT Reduction (2,180 MTCO ₂ e)	In Progress
	T-2.3 Reduce County Employee VMT	N/A	Program in development; 18.2M miles avoided (26%) through telecommuting in 2023 (5,315 MTCO ₂ e)	20% Employee VMT Reduction (7,473 MTCO ₂ e)	On Track
	T-2.4 Shared and Reduced Parking in New Non-Residential Development	Adopt and Implement a Shared and Reduced Parking Ordinance	In Development*	10% New Non-Residential VMT Reduction (1,392 MTCO ₂ e)	In Progress
T-3 Decarbonize On-Road and Off-Road Vehicle Fleet	T-3.2 Use Alternative Fuels in County Projects	N/A	Measure to be combined with T-3.4 in CAP Update	100% Alternative Fuels in County Construction (364 MTCO ₂ e)	In Progress
	T-3.3 Develop a Local Vehicle Retirement Program	Implement a Local Vehicle Retirement Program	25 vehicles retired* (71 MTCO ₂ e)	1,600 Vehicles Retired (446 MTCO ₂ e)	In Progress
	T-3.4 Reduce the County's Fleet Emissions	10% Emissions Reduction (2,394 MTCO ₂ e)	4% emissions reduction[^] (861 MTCO ₂ e)	20% Emissions Reduction (3,673 MTCO ₂ e)	Monitoring
	T-3.5 Install Electric Vehicle Charging Stations	Adopt and Implement a Program to Install EV Charging Stations	67 Level 2 and 2 Fast EV (75 Level 2 equivalent[@]) chargers* (3,596~ MTCO ₂ e)	Install 2,040 Level 2 or equivalent [@] EV Charging Stations (11,987 MTCO ₂ e)	In Progress
	T-4 Invest in Local Projects to Reduce Carbon Emissions	T-4.1 Establish a Local Direct Investment (LDI) Program	Implement an LDI Program	Measure to be redesigned; CAP Update will include evaluation of GHG reduction opportunities to support net zero goal in progress	Complete Implementation of LDI Program (176,614 MTCO ₂ e)

ON TRACK = met 2020 target or exceeded 2020 target **IN PROGRESS** = 2020 target not met yet, no 2020 target, or under development **MONITORING** = not performing as expected

	STRATEGY	CAP MEASURE	2020 TARGET	2023 STATUS	2030 TARGET	IMPLEMENTATION STATUS
ENERGY	E-1 Increase Building Energy Efficiency	E-1.2 Use Alternatively Powered Water Heaters in Residential Development	Amend County Building Code to Require Efficient Water Heaters	Evaluating modifications of measure and/or additional building electrification opportunities for inclusion in the CAP Update	Apply Ordinance and Subsidy Program (21,018 MTCO ₂ e)	In Progress
		E-1.4 Reduce Energy Use Intensity at County Facilities	10% Reduction (6,486 MTCO ₂ e)	44% reduction[^] (15,468 MTCO₂e)	20% Reduction (10,702 MTCO ₂ e)	On Track
	E-2 Increase Renewable Energy Use	E-2.1 Increase Renewable Electricity	Develop a Renewable Energy Program by 2025	County continued participation in San Diego Community Power and committed to 100% renewable energy⁺	90% Renewable Energy (255,991 MTCO ₂ e)	In Progress
		E-2.3 Install Solar Photovoltaics in Existing Homes	52,273 Homes (114,571 MTCO ₂ e)	98,280 homes* (209,596 MTCO₂e)	130,175 Homes (260,322 MTCO ₂ e)	On Track
	E-2.4 Increase Use of On-Site Renewable Electricity Generation for County Operations	10% Renewable (4,083 MTCO ₂ e)	23.5% renewable[^] (5,395 MTCO₂e)	20% Renewable (5,417 MTCO ₂ e)	On Track	
SOLID WASTE	SW-1 Increase Solid Waste Diversion	SW-1.1 Increase Solid Waste Diversion in the Unincorporated County	Adopt an Organics Ordinance by 2021	In development⁺	80% of Solid Waste Diverted (79,052 MTCO ₂ e)	In Progress
WATER & WASTE WATER	W-1 Reduce Potable Water Consumption	W-1.1 Increase Water Efficiency in New Residential Development	Amend County Building Code to Require Efficient Fixtures and Appliances	Ongoing (26~ MTCO₂e)	Apply Ordinance (87 MTCO ₂ e)	In Progress
		W-1.2 Reduce Outdoor Water Use	Amend County Landscape Ordinance to Require 40% Reduction in Outdoor Water Use	Ongoing (5,260~ MTCO₂e)	40% Reduction (17,535 MTCO ₂ e)	In Progress
		W-1.3 Reduce Potable Water Consumption at County Facilities	15% Reduction (244 MTCO ₂ e)	8% increase[^]& (-73 MTCO₂e)	20% Reduction (276 MTCO ₂ e)	Monitoring
	W-2 Increase Rainwater Use	W-2.1 Increase Rain Barrel Installations	1,200 Rain Barrels (10 MTCO ₂ e)	14,125 rain barrels*[#] (110 MTCO₂e)	3,200 Rain Barrels (23 MTCO ₂ e)	On Track
AGRICULTURE & CONSERVATION	A-1 Support Conversion of Agricultural Equipment to Alternative Fuels	A-1.1 Convert Farm Equipment to Electric	N/A	Ongoing (2,021~ MTCO₂e)	8% Converted (6,737 MTCO ₂ e)	In Progress
		A-1.2 Convert Stationary Irrigation Pumps to Electric	4 Converted (295 MTCO ₂ e)	0 pumps* (0 MTCO₂e)	44 Converted (3,249 MTCO ₂ e)	Monitoring
	A-2 Increase Carbon Sequestration	A-2.1 Increase Residential Tree Planting	Amend County Landscaping Ordinance to Require Two Trees Per New Residence	Ongoing (373~ MTCO₂e)	35,146 Trees (1,244 MTCO ₂ e)	In Progress
		A-2.2 Increase County Tree Planting	14,000 Trees (496 MTCO ₂ e)	36,255 trees* (1,283 MTCO₂e)	49,000 Trees (1,735 MTCO ₂ e)	On Track
EMISSIONS REDUCTION TOTALS			132,205 MTCO₂e 2020 Target	260,428 MTCO₂e 2023 Status	897,145 MTCO₂e 2030 Target	

Footnotes:

* Indicates total cumulative progress since 2018 CAP baseline (2015-2023).

^ Indicates progress made in 2023.

~ GHG emission reductions estimated from 2018 CAP Appendix C forecast.

+ GHG emission reductions to be updated/determined upon program development/implementation.

@ As described in the 2023 EV Roadmap Annual Report Appendix A, a single Fast EV charger is, conservatively, equivalent to 4.2 Level 2 chargers.

& County water consumption increased in 2023 due to increases in facility size and population served at facilities beyond the scope that was evaluated under the 2018 CAP Appendix C for this measure. The County continues to implement water savings strategies as part of implementation of the Water Efficiency Plan.

The total storage capacity of all rainwater harvesting containers has been divided by 50-gallons to achieve a Rain Barrel Equivalent (RBE) total.

