

First Annual Climate Action Plan (CAP) Monitoring Report

City Council
Item No. 7
April 6, 2022



Request

- Review and Receive the Climate Action Plan annual monitoring report for the 2021 year
- Recommend implementation milestones for 2022-23 year

Background

- Climate Action Plan (CAP) originally adopted in 2013
 - An update to the 2013 CAP adopted in March 2021
- CAP greenhouse gas (GHG) reduction targets:
 - 42% below 2012 levels by 2030
 - 52% below 2012 levels by 2035
- CAP Strategies
 - 9 implementation strategies with performance metrics
 - 2 resiliency strategies with adaptation actions
 - 4 overarching strategies
- 2021-22 first annual monitoring report

CAP Strategies

1. **Increase Use of Zero-Emission or Alternative Fuel Vehicles**
2. **Reduce Fossil Fuel Use**
3. **Reduce Vehicle Miles Traveled**
4. **Increase Building Energy Efficiency**
5. **Increase Renewable and Zero Carbon Energy**
6. **Increase Water Efficiency**
7. **Diversify Local Water Supply**
8. **Reduce and Recycle Solid Waste**
9. **Carbon Sequestration**

10. **Become A “Client Smart” Leader**
11. **Build Thriving and Resilient Neighborhoods**

- Annual Monitoring
- Full-time sustainability/climate coordinator

- Updated GHG inventory from SANDAG
- Climate Commission

Background

Strategies

Ex: *Strategy 1: Increase use of Zero-Emission or Alternative Fuel Vehicles*

Ex: *Strategy A-1: Become a “Climate Smart” Leader*

Numbered Measures

Ex: *Strategy 1: Increase use of Zero-Emission or Alternative Fuel Vehicles*

T-1.1: Transition to Clean and More Fuel-Efficient Municipal Vehicle Fleet

Ex: *Strategy A-1: Become a “Climate Smart” Leader*

A-1.1: Fully anticipate, plan for, and mitigate the risks of climate change and seize the opportunities associated with the social and environmental change.

Performance Metrics/Adaptation Actions

Ex: *Strategy 1: Increase use of Zero-Emission or Alternative Fuel Vehicles*

T-1.1: Transition to Clean and More Fuel-Efficient Municipal Vehicle Fleet
Add 11 new EVs and PHEVs to the City fleet by 2030

Ex: *Strategy A-1: Become a “Climate Smart” Leader*

A-1.1: Fully anticipate, plan for, and mitigate the risks of climate change and seize the opportunities associated with the social and environmental change.

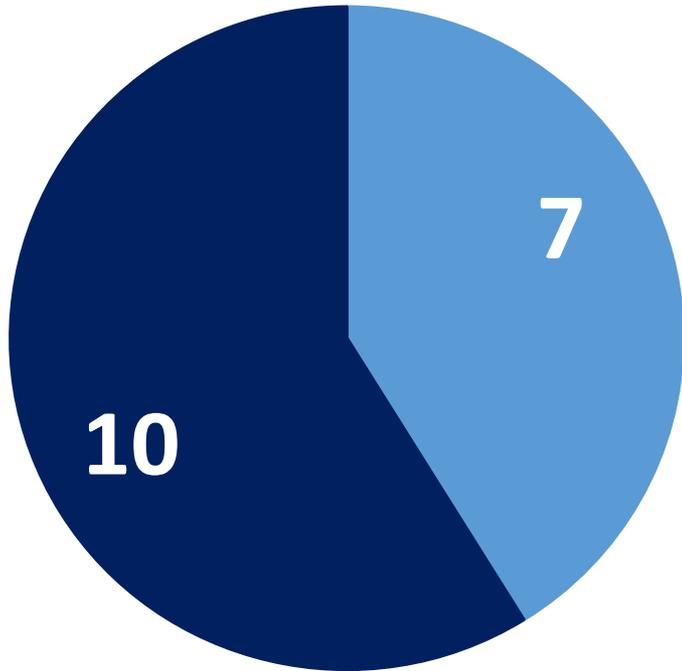
Update the “2020 Escondido Climate Adaptation Study.”

2021 Reporting

Status	Measure	Title	GHG Reduction Potential (MTCO _{2e})	Responsible Department/ Agency	Implementation Timeframe	CAP Implementation Date	Staff Implementation Costs	Ease of Implementation	
Completed for 2021	--	Annual monitoring report to Planning Commission and City Council, identifying CAP implementation efforts to date, CAP's performance in achieving targets, and set implementation milestones for the following year.	--	CD	--	March 2022	--	--	
Not yet implemented	--	Establish Climate Commission: formal advisory group to help provide ongoing program support and guidance.	--	--	Short-Term	2021	--	--	
Not yet received	--	Receive updated GHG inventory from SANDAG; if no data is received then the City will need to develop an updated emissions inventory by 2022.	--	CD	Short-Term	2021	--	--	
Completed.	--	Hire a full-time sustainability or climate coordinator.	--	--	--	--	--	--	
The planning division recently hired a senior planner (end of 2021) to work on CAP implementation.									
Not yet implemented	--	Based on findings from the monitoring report and inventory updates, City staff will review the performance of each individual measure, evaluate the effectiveness of maintaining existing measures into the future, and identify new technologies and methodologies that did not exist at the time of CAP adoption.	--	CD	Mid-Term	End of 2025	--	--	
 Strategy 1: Increase Use of Zero-Emission or Alternative Fuel Vehicles									
	T-1.1	Transition to a Clean and More Fuel- Efficient Municipal Vehicle Fleet.	--	PW	Mid-Term	--	Low	Low	
Not yet implemented		Adopt a procurement policy for converting all municipal vehicle fleet to EVs and PHEV's.	--	--	Short-Term	2021	--	--	
Ongoing:	Performance Metrics	Add 11 new EVs and PHEVs to the City fleet by 2030.	33	--	Mid-Term	2030	--	--	
The City added 6 zero-emissions vehicles.									
Not yet implemented		Install 30 EV Charging stations at the Police and Fire Headquarters by 2030.		--	Mid-Term	2030	--	--	
Not yet implemented		Maintain 30 EV charging stations and 11 EVs and PHEVs in the municipal fleet by 2035.		33	--	Long-Term	2035	--	--

2020-21 Actions

Status



- Complete/Underway
- Not Yet Implemented

Performance Metrics/Adaptation Actions

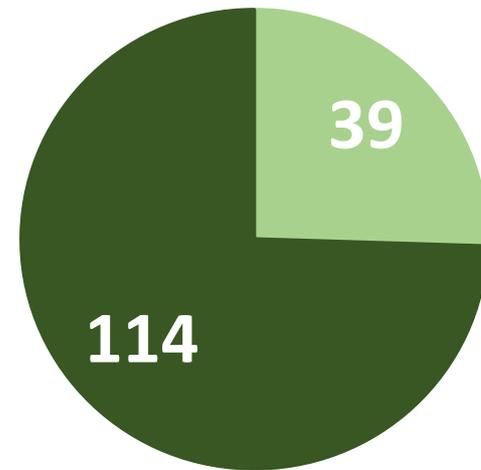
Ex: Strategy 1: *Increase use of Zero-Emission or Alternative Fuel Vehicles*

T-1.1: *Transition to Clean and More Fuel-Efficient Municipal Vehicle Fleet*

Add 11 new EVs and PHEVs to the City fleet by 2030

Total Actions

Status



- Complete/Underway
- Not Yet Implemented

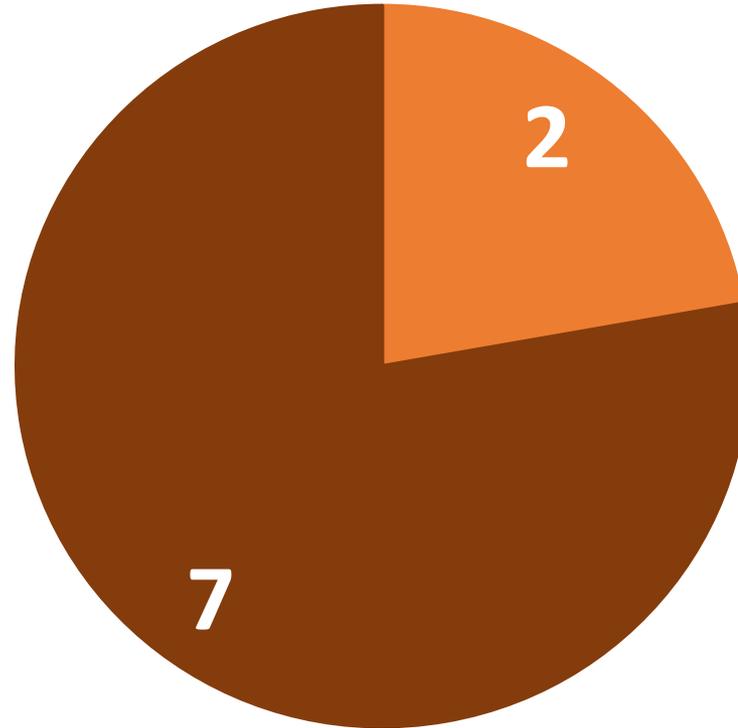
Achievements

- Community Choice Energy - Clean Energy Alliance member (Oct. 2021)
- Adopted Organic Waste & Recycling Ordinance (Dec. 2021)
- Retrofit over 1,000 Streetlights

Total GHG reduction implemented in 2020-21: 6 MTCO₂e

2022 Actions

Status



- Complete/Underway
- Not Yet Implemented

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