



CITY OF SAN MARCOS

# Climate Action Plan Monitoring Report

Second Biennial Report

Reporting Period: January 1, 2021 – August 31, 2024

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# TABLE OF CONTENTS

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**3** EXECUTIVE SUMMARY

**7** CLIMATE ACTION PLANNING IN  
SAN MARCOS

**10** TRACKING OUR PROGRESS

**21** LOOKING AHEAD

**22** APPENDICES



## EXECUTIVE SUMMARY

The 2020 Climate Action Plan (CAP) is focused on reducing community-wide greenhouse gas (GHG) emissions that cause climate change in the City of San Marcos (City). This Second Biennial Climate Action Plan Monitoring Report (Report) provides information on CAP implementation progress and performance status for the reporting period of January 1, 2021, through August 31, 2024.

### GHG Emissions Categories

	Transportation
	Energy
	Water
	Solid Waste
	Carbon Sequestration

### Reduction Targets

The CAP sets the following emission reduction targets:

- **4 percent** below 2012 levels by 2020
- **42 percent** below 2012 levels by 2030

The City already achieved its 2020 target. To meet the 2030 target, the City will need to reduce emissions by **82,000 metric tons of carbon dioxide equivalent (MTCO<sub>2</sub>e)** in 2030.

How much is **82,000 metric tons of greenhouse gas**?



OR



GHG emissions from  
**17,668 gasoline-powered passenger vehicles** driven for one year

GHG emissions from **15,955 homes' electricity use** for one year

Source: EPA Greenhouse Gas Equivalencies Calculator



The CAP includes eight strategies and 22 measures to achieve GHG reductions. The City has completed implementation of three measures, while implementation is ongoing for 12 measures and in progress for the remaining seven.<sup>1</sup> The “Tracking Our Progress” section of this report provides a detailed update on the status and performance progress of each measure.



Ongoing:  
**12 measures**



Completed:  
**3 measures**



In progress:  
**7 measures**



Not started:  
**0 measures**

The City has made considerable progress implementing the three CAP measures with the greatest GHG reduction potential:

### **E-3: Increase Grid-Supply Renewable and Zero-Carbon Electricity:**

The City joined Clean Energy Alliance (CEA), in April 2023, to meet the target of renewable electricity. The city chose Clean Impact Plus as the default product choice for San Marcos customers. Clean Impact Plus sources 75% of its power from carbon-free sources, 50% of which are renewable.

**S-1: Increase Citywide Waste Diversion:** The Public Works Department is working with EDCO Disposal Corporation (EDCO) to implement organics waste recycling throughout the city. Additionally the City is working with its consultant, the Solana Center on edible food recovery programs. These efforts have resulted in a 5% reduction in solid waste disposal level from 2021 to 2022.

### **T-13: Implement Transportation Demand Management Plans at Existing Employers:**

The City adopted a comprehensive TDM Ordinance and Implementing Policy in March 2024. The TDM Policy includes 29 trip-reduction strategies that a business can choose from to develop a customized TDM Plan tailored to its operations and needs.



<sup>1</sup> “Ongoing” and “In progress” are defined in the “Tracking Our Progress” section of this report.



The following table provides icons summarizing the status of each measure. More detailed information on each measure is provided in the “Tracking Our Progress” section of this report.

## Transportation

<b>STRATEGY 1: Increase Use of Zero-Emission/Alternative Fuel Vehicles</b>	
	<b>T-1:</b> Transition to a More Fuel-Efficient Municipal Fleet
	<b>T-2:</b> Require Electric Vehicle Charging Stations in New Development
	<b>T-3:</b> Install Electric Vehicle Charging Stations at Public Facilities
	<b>T-4:</b> Provide Grants for Residents and Businesses to Install Electric Vehicle Charging Stations
<b>STRATEGY 2: Reduce Fossil Fuel Use</b>	
	<b>T-5:</b> Synchronize Traffic Signals
	<b>T-6:</b> Install Roundabouts
<b>STRATEGY 3: Reduce Vehicle Miles Traveled</b>	
	<b>T-7:</b> Participate in the San Diego Association of Government's iCommute Vanpool Program
	<b>T-8:</b> Develop Bicycle Infrastructure Identified in the City's General Plan Mobility Element
	<b>T-9:</b> Adopt Citywide Transportation Demand Management Ordinance
	<b>T-10:</b> Implement the Intra-City Shuttle System
	<b>T-11:</b> Increase Transit Ridership
	<b>T-12:</b> Reduce Parking Requirements for New Residential Developments Near Transit
	<b>T-13:</b> Implement Transportation Demand Management Plans at Existing Employers
	<b>T-14:</b> Transition to an Online Building and Engineering Permit Submittal System



## Energy

<b>STRATEGY 4:</b> Increase Building Energy Efficiency	
	<b>E-1:</b> Require New Residential Developments to Install Alternatively-Fueled Water Heaters
<b>STRATEGY 5:</b> Increase Renewable and Zero Carbon Energy	
	<b>E-2:</b> Require Installation of PV systems at New Non-Residential Developments
	<b>E-3:</b> Increase Grid-Supply Renewable and Zero-Carbon Electricity

## Water

<b>STRATEGY 6:</b> Reduce Water Use	
	<b>W-1:</b> Reduce Outdoor Water Use for Landscaping
	<b>W-2:</b> Reduce Water Use in City Managed Landscape Areas

## Solid Waste

<b>STRATEGY 7:</b> Reduce and Recycle Solid Waste	
	<b>S-1:</b> Increase Citywide Waste Diversion

## Carbon Sequestration

<b>STRATEGY 8:</b> Increase Urban Tree Cover	
	<b>C-1:</b> Increase Tree Planting at City Parks and Public Rights-of-Way
	<b>C-2:</b> Increase Tree Planting in New Developments





## CLIMATE ACTION PLANNING IN SAN MARCOS

The CAP establishes strategies, measures, and actions to reduce GHG emissions in the city. This report provides information on the implementation progress and status of CAP measure performance.

### How much is 82,000 metric tons of greenhouse gas?



GHG emissions from **17,668 gasoline-powered passenger vehicles** driven for one year

**OR**



GHG emissions from **15,955 homes' electricity use** for one year

**OR**

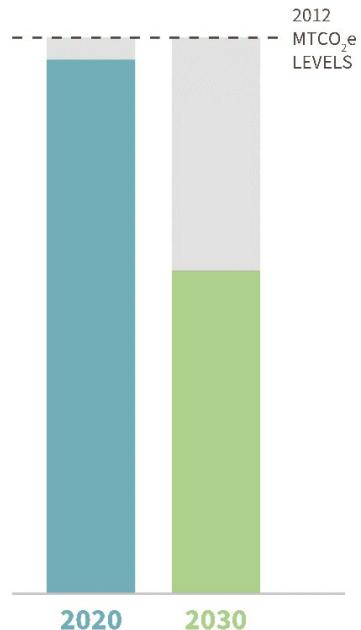


Carbon sequestered by **1,355,877 tree seedlings** grown for 10 years

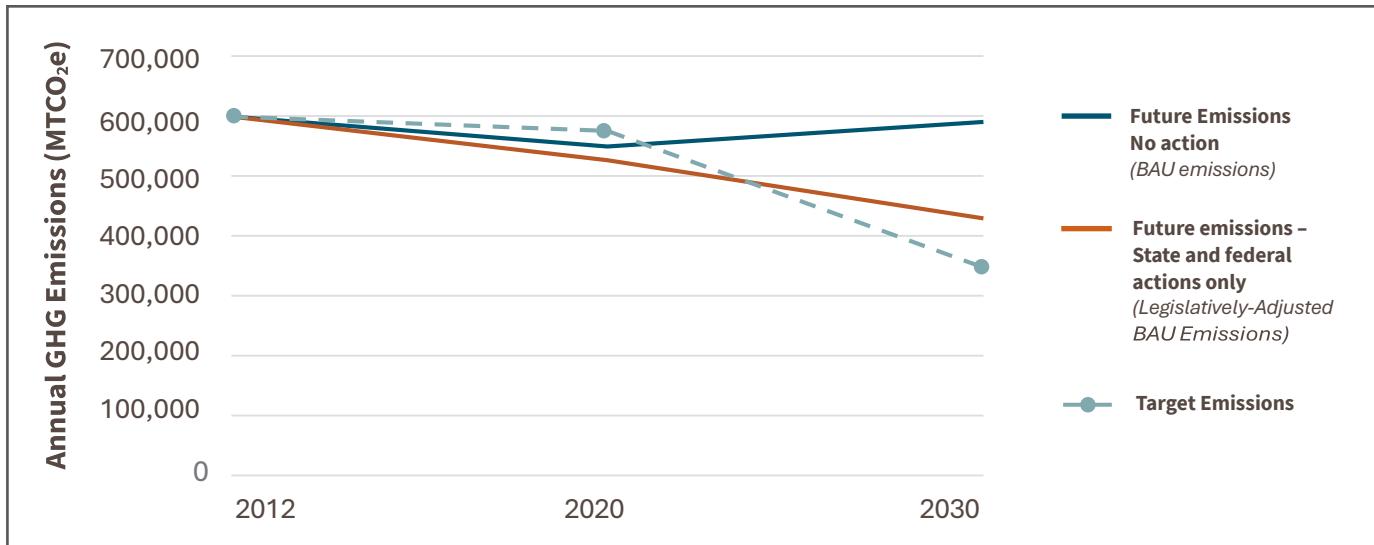
### Greenhouse Gas Reduction

The CAP uses a 2012 baseline inventory to forecast emissions and set targets for emissions reductions based on State targets. The inventory estimated annual community-wide emissions to be 599,000 metric tons of carbon dioxide equivalent (MTCO<sub>2</sub>e) in 2012. With State and federal adjustments applied, the City's 2030 emissions were estimated to be 429,000 MTCO<sub>2</sub>e. The CAP sets the following targets to reduce community-wide emissions in alignment with State targets:

- **4 percent** below 2012 levels by 2020
- **42 percent** below 2012 levels by 2030



**Figure 1.** Comparison of Forecast Annual GHG Emissions without Local Action to the CAP's 2020 and 2030 GHG Reduction Targets



## Community Engagement

All community members have opportunities to take actions that help implement CAP goals. Changes in everyday habits such as consuming less energy, producing less waste through recycling, conserving water, composting, and driving less by choosing to carpool, take transit, or walk and bike more frequently, leads to better outcomes for the environment and the City.

As Figure 1 shows, the City has already achieved its 2020 target (without any additional climate action). To meet the 2030 target, the City will need to reduce emissions by 82,000 MTCO<sub>2</sub>e in 2030.

To close the gap between the forecast future emissions and the 2030 CAP target, the CAP proposes eight strategies and 22 GHG reduction measures organized under five GHG emissions categories:



## Co-benefits



Improved Air Quality



Improved Water Quality



Improved Public Health



Improved Access to Low-Cost Transportation Options



Reduced Traffic Congestion



Reduced Energy Use



Enhanced Safety



Enhanced Community Character



Increased Local Green Jobs



Reduced Heat Island Effect



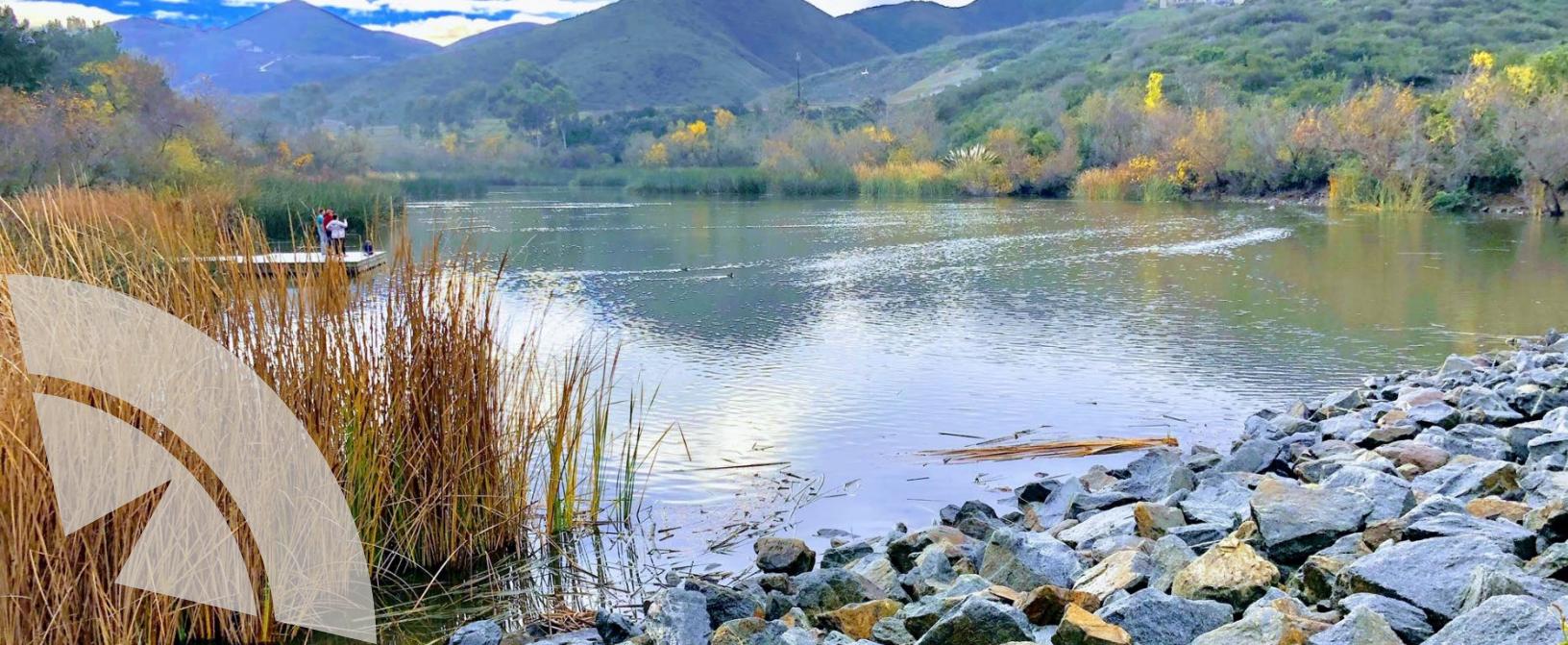
## Monitoring and Reporting

City staff presents a summary of CAP implementation progress to the CAP Working Group, Planning Commission and City Council on biennial basis. Each GHG emissions reduction measure's environmental or economic co-benefits are also discussed in the report, if available. The periodic reporting on CAP implementation is intended to provide information to the public on City's on-going efforts on CAP implementation.

### IMPLEMENTATION AND MONITORING SCHEDULE

2020	CAP adopted
2022 & 2024	Biennial Monitoring Report





## TRACKING OUR PROGRESS

This section provides the City's progress on each measure with updates on the status of implementation, key indicators, progress made, and milestones achieved.

The following icons depict the implementation status of each measure:



**Ongoing** – The City will continue to implement this measure on an on-going basis either by requiring projects subject to the CAP checklist to comply with specific requirements or implementing it through City's own Capital projects.



**Complete** – This measure has been completed as stipulated in the CAP.



**In Progress** – Work on this measure has started and is expected to be complete at a future date.



**Not Started** – Work on this measure has not yet started.





## Transportation

Transportation strategies include increasing zero-emission or alternative fuel vehicle use, increasing transportation system efficiency for existing and future travel patterns, and increasing the use of alternative travel modes.

### STRATEGY 1:

#### Increase Use of Zero-Emission/Alternative Fuel Vehicles



##### T-1: Transition to a More Fuel-Efficient Municipal Fleet

**Status Summary:** *In Progress.* The City will continue to reduce gasoline and diesel usage in the City vehicle fleet by converting to new hybrid technology, which is expected to function with advanced fuel efficiency design. The City is expected to convert five passenger vehicles to new models of hybrid technology by June 2025.

**CAP Goal:** Reduce City fleet gasoline use by 4,000 gallons in 2030.

**Performance Status:** City fleet gasoline usage decreased by 1,609 gallons (4%), from 38,106 gallons in 2022 to 36,497 gallons in 2024. Diesel usage decreased by 2,691 gallons (30%), from 9,082 gallons in 2022 to 6,391 gallons in 2024. Data from 2021 are not included because fuel usage related to City operations was affected by COVID lockdown conditions.



##### T-2: Require Electric Vehicle Charging Stations in New Developments

**Status Summary:** *Ongoing.* Since 2021, the City has required multi-family and commercial development to provide EV charging for at least 5% of parking spaces. The City is also implementing 2022 California Building and Green Code requirements through Title 17 of the Municipal Code which includes more extensive EV charger requirements than Measure T-2. For new multi-family projects, Title 17 requires that projects with up to 20 units provide low power Level 2 receptacles at 25% of spaces, and projects with more than 20 units are required to provide low power Level 2 receptacles 25% of spaces and Level 2 charger at 5% of spaces. Specified additions/alterations also require 10% of parking spaces to be EV capable. For new non-residential projects, the requirements range from 5% to 20% EV capable spaces and up to 25% Level 2 chargers.

**CAP Goals:** Install 220 EV charging stations in new multi-family developments by 2030.

Install 230 EV charging stations in new commercial developments by 2030.

**Performance Status:** The City has approved 14 new development projects that are collectively required to install 124 EV charging stations:

- 94 EV charging stations in new multi-family developments, and
- 30 EV charging stations in new commercial developments



## STRATEGY 1 (CONT'D):

Increase Use of Zero-Emission/Alternative Fuel Vehicles



### T-3: Install Electric Vehicle Charging Stations at Public Facilities

**Status Summary:** *In Progress.* Two projects are complete and operational. The City is in negotiations with a consultant for the installation of 14 chargers at the City Hall parking lot.

**CAP Goal:** Install 45 EV charging stations by 2030.

**Performance Status:** 27 EV charging stations installed: 7 at Sunset Park and 20 at Creekside Marketplace.



### T-4: Provide Grants for Residents and Businesses to Install Electric Vehicle Charging Stations

**Status Summary:** *In Progress.* The City launched the Electric Vehicle Charging Station (EVCS) Grant Rebate Program in October 2022 and continues to fund the installation of EV charging stations. From 2021 to 2030, the City will provide a total of \$240,000 annually to residents and businesses as rebates to incentivize installation of EV Chargers.

**CAP Goals:** Fund the installation of 900 EV charging stations at residences by 2030.

Fund the installation of 900 EV charging stations at businesses by 2030.

**Performance Status:** As of July 31, 2024 the City has issued rebates for 211 residential properties that equates to 211 Level 2 EV chargers installed in various homes in the City. The process and application to request the funds are available on the City's website.



**STRATEGY 2:**  
Reduce Fossil Fuel Use



**T-5: Synchronize Traffic Signals**

**Status Summary:** *Complete.* In 2020-2021, City's Traffic Management Center (TMC) and Control System project connected 137 intersections by fiber optic communications to the TMC. As part of this project, 65 intersections along six corridors were synchronized, far exceeding the CAP goals to synchronize a total of 22 intersections by 2030. The City also conducted before and after travel time delay studies for five of the corridors which evaluated the optimized signal timings for AM and PM peak periods and the integrated traffic signals controlled by the City and Caltrans. Measurements collected in Spring 2024 showed significant improvements to travel times, delays, and stops. The benefit analysis estimated an annual travel time savings of \$3.3 million and fuel savings of about 346,764 gallons, translating to \$1.35 million.<sup>2</sup>

**CAP Goals:** Synchronize traffic signals at 13 intersections by 2020.  
Synchronize traffic signals at an additional nine intersections by 2030.

**Performance Status:** 137 intersections connected by fiber optic and 65 intersections synchronized.



**T-6: Install Roundabouts**

**Status Summary:** *Complete.* The two roundabouts installed in the North City East project area achieve the CAP goal for 2020. The City continues to look for opportunities to install additional roundabouts with new development projects.

**CAP Goal:** Install two additional roundabouts by 2020.

**Performance Status:** In addition to the two roundabouts installed in the North City East project area, two roundabouts are under construction or in design stage in the North City West project area.

**STRATEGY 3**  
Reduce Vehicle Miles Traveled



**T-7: Participate in the San Diego Association of Government's iCommute Vanpool Program**

**Status Summary:** *In Progress.* Based on data from SANDAG, there were up to four vanpools commuting out of San Marcos during the period of January 2021 to June 2024, with an average of 4-7 passengers in each vanpool. The City will continue to monitor vanpool activity in San Marcos.

**CAP Goal:** Maintain 12 SANDAG vanpools that start or end in the City in 2030.

**Performance Status:** 4 vanpools commuted out of San Marcos between January 2021 and June 2024.

<sup>2</sup> Dollar value of benefits analysis is based on US Dept of Energy: Travel time value: \$11.84/hour; Price of Fuel: \$3.90/gallon



**STRATEGY 3 (CONT'D):**  
Reduce Vehicle Miles Traveled



**T-8: Develop Bicycle Infrastructure Identified in the City's General Plan Mobility Element**

**Status Summary:** *Ongoing.* The City is implementing this measure on an on-going basis by requiring projects subject to the CAP checklist to develop bicycle infrastructure as the City implements the bicycle network identified in the General Plan Mobility Element. The City has adopted its first Active Transportation Plan (ATP), which encourages non-motorized forms of transportation, primarily walking and cycling, and will be used to prioritize active transportation projects for the City's Capital Improvement Program and for construction as required by the City for private development projects. Additionally, it will offer educational programs and policies to support the mode shift. The ATP proposes to create an interim network of corridors where more comfortable facilities can be implemented within existing rights-of-way and an ultimate network that would allow for the future construction of enhanced pedestrian facilities and bike facilities that require more right-of-way such as Class IV protected bikeways and Class I pedestrian-cyclist shared-use paths. The ultimate network provides for over 100 additional miles of Class I and Class IV bike lanes.

**CAP Goal:** Install an additional 18 miles of two-way bicycle lanes (Class II or better) by 2030.

**Performance Status:** Between January 2021 and August 2024, the City installed 0.93 miles of new Class II bike lanes, 1.6 miles of new trails, and 6.5 miles of new sidewalks.



**T-9: Adopt Citywide Transportation Demand Management Ordinance**

**Status Summary:** *Ongoing.* The City is implementing this measure on an on-going basis by requiring projects subject to the CAP checklist to implement Transportation Demand Management (TDM) measures.

The City adopted a comprehensive TDM Ordinance and implementing Policy in March 2024. The TDM Ordinance is incorporated in the Municipal Code as Chapter 20.360 and includes requirements for project specific TDM plans, monitoring, reporting, and enforcement provisions and incorporates the TDM Policy by reference. The TDM Policy implements the TDM Ordinance and includes 29 strategies that a developer can choose from to develop their project specific TDM Plan. Six of the strategies are mandatory for all projects and an additional 23 strategies are optional, each optional strategy has an assigned point value. Projects must implement the mandatory strategies and then can choose any combination of optional strategies to achieve the minimum required 10-point score.

**CAP Goal:** Increase the alternative transportation mode share for new development projects by seven percent annually through 2030.

**Performance Status:** The City has approved 11 development projects with a total of 1,740 residential units and 155,268 square feet of non-residential development that are implementing project-specific TDM measures from the CAP Checklist.



**STRATEGY 3 (CONT'D):**  
Reduce Vehicle Miles Traveled



**T-10: Implement the Intra-City Shuttle System**

**Status Summary:** *In Progress.* In June 2024, the North County Transit District (NCTD) launched the new NCTD+ transit service in the City. NCTD+ is an on-demand transit service that offers affordable rides to the community within a 10 square mile zone in the heart of San Marcos. It provides connections to four SPRINTER rail stations, 72 BREEZE bus stops, Palomar College and Cal State San Marcos as well as local restaurants, retail stores and other key locations in the City. The new on-demand service is available daily from 6 a.m. to 9 p.m. and residents can schedule rides by phone call or with the free NCTD+ app.

**CAP Goal:** Fully implement the intra-city shuttle system with electric shuttles running at 10-minute headways by 2030.

**Performance Status:** An intra-city shuttle system, called NCTD+, has been established as part of a 12-month pilot program.



**T-11: Increase Transit Ridership**

**Status Summary:** *In Progress.* The City continues to allow for and incentivize medium to high density residential and mixed-use projects along its transportation corridors of Mission Road, Rancho Santa Fe, and San Marcos Boulevard. Among other considerations, availability of transit along these corridors guides the City's vision of growth. It is anticipated that increase in transit ridership may occur with additional population along these corridors in the future. During this reporting period, the City approved 212,888 square feet of non-residential development and 583 residential units within a half-mile of transit stations.

**CAP Goal:** Increase the number of commuters taking transit to or from the City to 7,000 in 2030.

**Performance Status:** Based on NCTD data, stop level ridership at the three Sprinter stations in the City declined from 7,100 riders weekly in 2020 to 5,162 riders weekly in 2024. Boardings at the NCTD bus stop in the city in Fiscal Year 2024 were 6,201 riders weekly.



**T-12: Reduce Parking Requirements for New Residential Developments Near Transit**

**Status Summary:** *Ongoing.* The City is implementing this measure on an on-going basis by requiring projects subject to the CAP checklist to add new residential units near transit with at least 27 percent fewer parking spaces than required by the Municipal Code.

**CAP Goal:** Approve at least 3,700 new residential units near transit that provide at least 27 percent fewer parking spaces than required by City Code.

**Performance Status:** Since 2020, the City has approved 463 units with 50 percent fewer parking spaces than required by the Municipal Code.



**STRATEGY 3 (CONT'D):**  
Reduce Vehicle Miles Traveled



**T-13: Implement Transportation Demand Management Plans at Existing Employers**

**Status Summary:** *Ongoing.* The City adopted a comprehensive TDM Ordinance and implementing Policy in March 2024. The TDM Ordinance is incorporated in the Municipal Code as Chapter 20.360 and incorporates the TDM Policy by reference. The TDM Policy includes 29 strategies that a business can choose from to develop a TDM Plan to reduce vehicular trips from its operations.

**CAP Goal:** Reduce commute VMT to 3.7 percent below projected VMT in 2030, or approximately 30.6 million VMT by 2030.

**Performance Status:** The TDM Policy is published on the City's website for any business to use as a resource to develop a TDM Plan that matches specific needs and operations of a business.

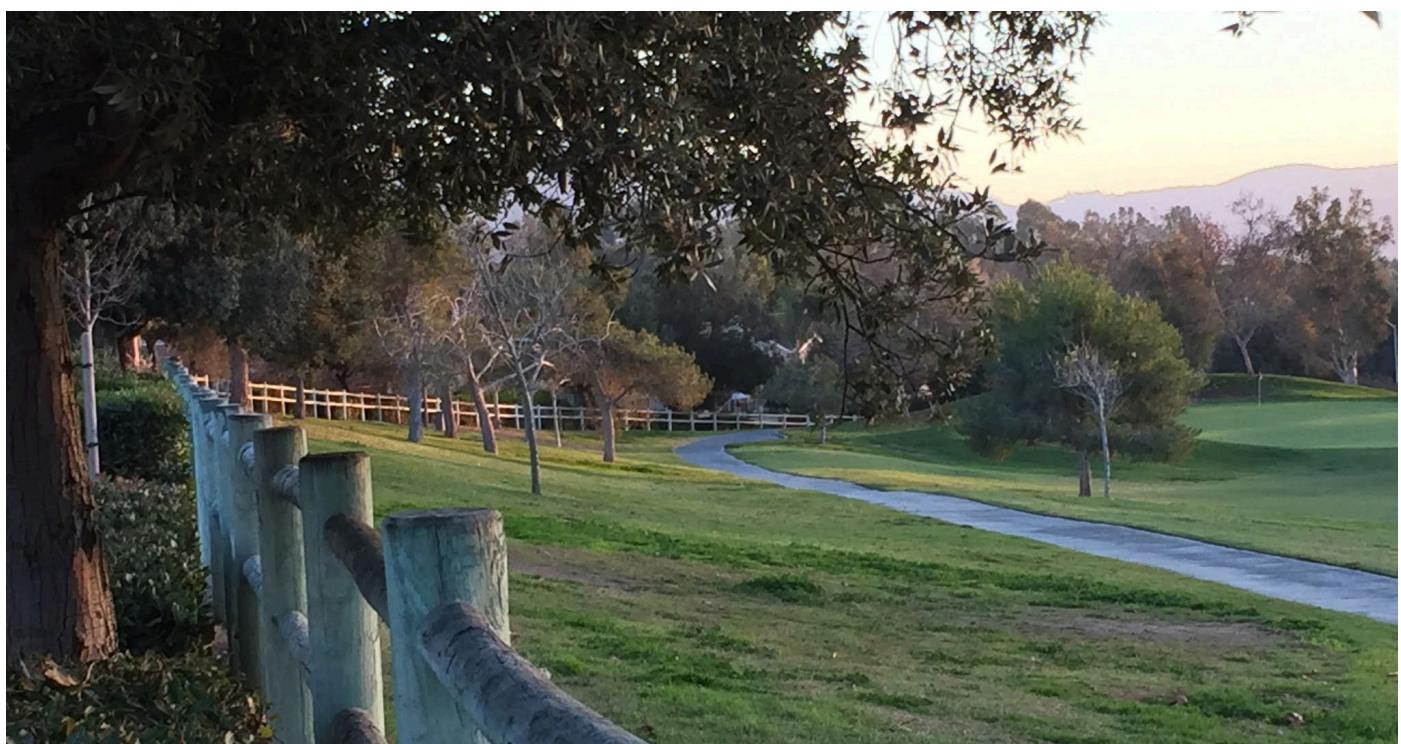


**T-14: Transition to an Online Building and Engineering Permit Submittal System**

**Status Summary:** *Complete.* The City has completed this goal. Engineering permits, building permits, planning applications and pre-applications are processed electronically. The City will continue to improve its public-facing forms, applications, and written procedures to assist the public with online submittals.

**CAP Goal:** Completely transition to an online permitting submittal system by 2021.

**Performance Status:** An Online Building and Engineering Permit Submittal System has been established.





## Energy

The strategies include improving energy efficiency of new development projects, both increasing the amount of renewable energy generated locally, and reducing the amount of non-renewable energy consumed locally.

<b>STRATEGY 4:</b> Increase Building Energy Efficiency								
<b>E-1:</b> Require New Residential Developments to Install Alternatively-Fueled Water Heaters								
<b>Status Summary:</b> <i>Ongoing.</i> The City is implementing this measure on an on-going basis by requiring new residential development projects subject to the CAP checklist to install alternatively-fueled water heaters.								
<b>CAP Goal:</b> Install 1,800 new alternatively-fueled water heaters by 2030.	<b>Performance Status:</b> The City has approved 7 new residential development projects with a total of 1,277 units; 1,181 units will have electric water heaters, and 96 units will have solar hot water with electric heaters.							
<b>STRATEGY 5:</b> Increase Renewable and Zero Carbon Energy								
<b>E-2:</b> Require Installation of PV systems at New Non-Residential Developments								
<b>Status Summary:</b> <i>Ongoing.</i> Since January 1, 2023, newly constructed buildings or mixed occupancy buildings with more than three habitable stories have been required to install a photovoltaic (PV) system and battery storage per the California Building Energy Code. The PV systems requirements are replicated in the City's Title 17/Building Code that implements the State's Title 24 Building and Energy Code. Title 17 PV requirements for multi-family, and specified non-residential projects, are based on the number of units or size of the project.								
<b>CAP Goal:</b> Install 2.1 Megawatt (MW) PV at new commercial developments by 2030.	<b>Performance Status:</b> The City has approved nine development projects with non-residential components, including PV systems totaling 2.3 MW. This total includes the University District Specific Plan, which includes PV systems for residential and non-residential development.							
<b>E-3:</b> Increase Grid-Supply Renewable and Zero-Carbon Electricity								
<b>Status Summary:</b> <i>Ongoing.</i> The Clean Energy Alliance (CEA) was launched in the City in April 2023. The CEA supplies renewable and zero-carbon electricity for its residents and businesses in compliance with this CAP measure.								
<b>CAP Goal:</b> Achieve 95% renewables and zero-carbon in electricity supply in 2030 with up to 3% customer opt-out rate.	<b>Performance Status:</b> The City Council established "Clean Impact Plus" as the default power supply product for all customer accounts in the city. The power mix is 75% carbon-free electricity, of which 50% is renewable.							





## Water

Strategies include implementing policies and plans for more efficient water usage.

### STRATEGY 6: Reduce Water Use



#### W-1: Reduce Outdoor Water Use for Landscaping

**Status Summary:** *Ongoing.* The City is implementing this measure on an on-going basis by requiring projects subject to the CAP checklist to comply with the Water Efficiency Landscape Ordinance (WELO). Landscape plans for projects are reviewed for compliance, and after installation, City staff conducts inspections to confirm landscaping is installed in compliance with WELO and approves plans.

**CAP Goal:** Reduce outdoor water use for landscaping by 165 acre-feet in 2030.

**Performance Status:** The City has approved 14 development projects totaling approximately 26 acres of outdoor landscape area subject to the WELO ordinance.



#### W-2: Reduce Water Use in City Managed Landscape Areas

**Status Summary:** *Ongoing.* The City is implementing this measure on an on-going basis through irrigation system retrofit projects, non-functional turf removal and upgrades to smart irrigation controllers. An example of one such effort is the City's current project with VWD and San Diego County Water Authority to replace non-functional turf with native plants and dry streambed along Bradley Park frontage to conserve water. In 2021/22 the City upgraded 214 controllers in right of way landscapes and in 2023, the City replaced 24 irrigation controllers throughout community park sites.

**CAP Goal:** Reduce water use in existing City managed landscaped areas by 120 acre-feet in 2030.

**Performance Status:** Water use in City parks has decreased from a baseline average of 165 acre-feet per year in 2020-2022, to an average of 71 acre-feet per year in 2023-2024, which is a reduction of 94-acre feet or 57%.





## Solid Waste

Strategies include diverting waste away from landfills and into other waste streams such as recycling or composting.

### STRATEGY 7: Reduce and Recycle Solid Waste



#### S-1: Increase Citywide Waste Diversion

**Status Summary:** *In Progress.* The City is working with its solid waste hauler, EDCO, on various efforts to reduce waste going into landfills. Through its Organics Recycling Program, EDCO collects food scraps and landscape waste in its Green Organics Container and at its Anaerobic facility converts this waste into renewable natural gas and fertilizer. To reduce edible food into waste stream and to implement SB 1383, the City is working with its consultant, Solana Center, on edible food recovery programs.

**CAP Goal:** Achieve 85% Citywide waste diversion by 2030. The 85% waste diversion rate would result in 2.7 pounds/person/day of waste disposed in landfills.

**Performance Status:** Solid waste disposal data for 2020 through 2022 are provided below:

**2020:** 87,531 tons/year; 4.9 pounds/person/day

**2021:** 95,793 tons/year; 5.6 pounds/person/day

**2022:** 90,840 tons/year; 5.3 pounds/person/day





## Carbon Sequestration

Increasing carbon sequestration strategies include expanding the urban forest canopy and protecting natural systems, which help remove carbon dioxide from the atmosphere.

### STRATEGY 8:

Increase Urban Tree Cover



#### C-1: Increase Tree Planting at City Parks and in Public Rights-of-Way

**Status Summary:** *Ongoing.* The City planted 1,266 new public trees since CAP's adoption, including 275 trees reported in last Implementation Report, 155 trees in The Highlands right-of-way (ROW), 83 trees at Las Abejas Park and Trail, 497 trees at Discovery Street and Craven Road, 256 trees in Creek District, and more. This measure is "On-Going" as the City will continue to look for opportunities to plant trees at parks and other City managed landscape areas.

**CAP Goal:** Plant and maintain 1,500 new trees in public spaces by 2030.

**Performance Status:** The City planted 1,266 new public trees. It is expected that the CAP Goal of 1,500 trees will be met with trees installed in upcoming Knoll Park and public park approved at the Restaurant Row site.

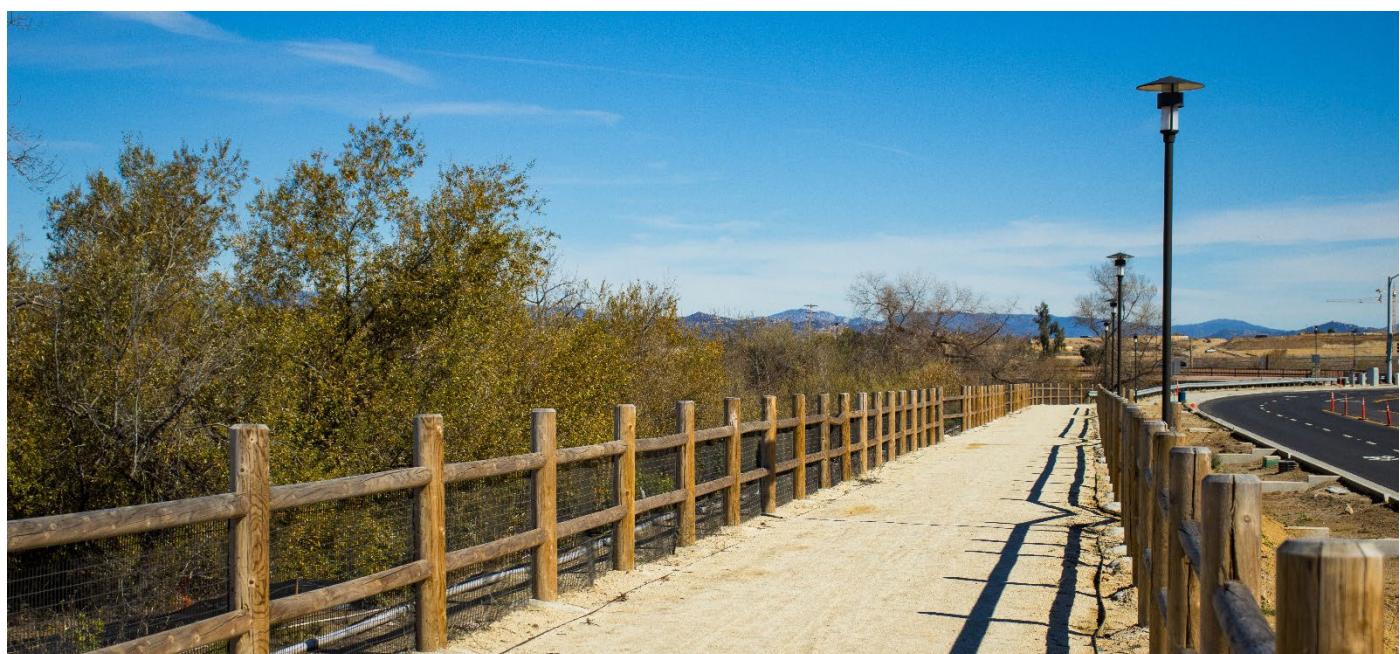


#### C-2: Increase Tree Planting in New Developments

**Status Summary:** *Ongoing.* The City is implementing this measure on an on-going basis by requiring new private development projects to plant one tree for every five parking spaces and a minimum of one tree in the front yard of new single-family homes. If any projects propose to remove trees, the City requires replacement of trees at a 1:1 ratio.

**CAP Goal:** Plant and monitor 1,200 new trees on private properties by 2030.

**Performance Status:** The City has approved 14 new projects including approximately 2,263 new trees.





## LOOKING AHEAD

The City has made considerable progress implementing the CAP. Three measures have already been completed, and an additional twelve are being implemented on an on-going basis. Going forward, the City will continue working on the seven measures that are in progress. In addition, the City is looking ahead to the following plans and programs:

### **1. San Marcos Creek Specific Plan (SMC\_SP) Update**

The City is currently working on updating the SMC-SP. It is expected that the SP update will result in allowance of additional residential units within the City's core area. The adoption of this Specific Plan along with its Environmental Impact Report is anticipated in 2026.

### **2. Potential CAP update as a follow-up to the SMC-SP**

Following the approval and adoption of the comprehensive SMC-SP Update and the Environmental Impact Report, which is anticipated in 2026, the City will evaluate updating the CAP. The CAP update is anticipated to account for updated densities and intensities of uses in the SMC-SP Update and its projected build-out date. Any future update to the CAP will be based on latest available data of a recent GHG emissions baseline year. The future GHG emissions projections will take into account City, State and Federal regulations and programs that are in place to reduce the GHG emissions.



# APPENDICES

**Appendix A.** CAP Measure Performance Data for Approved Development Projects

**Appendix B.** Performance Data for CAP Measure T-8: Bike Lanes, Sidewalks, Trails

**Appendix C.** Performance Data for CAP Measure W-2: Water Use in City Parks



## Appendix A - Data for approved development

Project Number (Approval Date)	Project Name	Construction Complete?	Electric Vehicle Charging Stations (T-2)	Transportation Demand Management (T-9)	Increase Transit Ridership (T-11)	Reduce Parking Near Transit (T-12)	Water Heaters (E-1)	Photovoltaic Installation (E-2)	Landscaping Water Use (W-1)	Urban Tree Canopy (C-2)
CUP20-0006 (11/01/2021)	Arco Gas Station, AMPM Mini-Mart, and Car Wash	No	Yes. The project will include 25 on-site parking spaces; five percent of this amount would equate to two (1.25 rounded up) spaces. The project would exceed the requirement by providing EV charging at three parking space	No. Project was approved prior to current TDM ordinance and it was determined that due to the minimal employee count, TDM strategies included in the CAP such as mass transit subsidies, carpool spaces, pedestrian connections, bicycle racks, employee showers/lockers, and telecommuting would not achieve meaningful GHG reductions and therefore are not applicable.	N/A	N/A - Project not multi-family residential and not within one-half mile of a major transit stop.	N/A - Measure applies to residential projects only.	Yes. The floor area would be 4,795 sq ft. Consistency would require a photovoltaic system with a capacity of approximately 9.6 kilowatts (kW). The project would comply through installation of at least 9.6 kW of solar panels on the car wash roof.	Yes. The project would comply with the City's Water Efficient Landscape Ordinance. The Maximum Applied Water Allowance (MAWA) for the project is 471,444 gallons per year. 0.2757 acres landscaping	Yes. The project includes 25 on-site parking spaces; one tree per five spaces would equate to five trees. The project would exceed this requirement by planting 21 total trees, which includes 5 marina arbutus trees, 11 coast live oak trees, and 5 desert museum palo verde trees.
GPA22-0003 (3/26/2024)	Mixed use development project , Capalina	No.	Yes., The project will include 147 parking spaces; five percent would equate to 8 (7.35 rounded up) spaces. The project would meet this requirement by providing 8 parking spaces with Level 2 EV chargers.	Yes. Project is conditioned to submit a TDM plan for review and approval prior to building permit issuance.	N/A	N/A - Project is not within one-half mile of a major transit stop.	Yes. The project will install electric heat pump water heaters with an electric tank.	Yes. The non-residential floor area would be 4,000 sq ft. The project will provide photovoltaic system with a capacity of at least 8 kilowatts (kW). The project would comply through installation of at least 8 kW of solar panels on the roof of the mixed-use project.	Yes. The project would comply with the City's Water Efficient Landscape Ordinance. The Maximum Applied Water Allowance of 501,725 gallons per year. 0.3915 acres landscaping	Yes. The project includes 147 on-site parking spaces; one tree per five spaces would equate to 30 trees. The project proposes to plant 30 trees in the parking area.
SDP22-0002 (4/15/2024)	SDP22-0002 HUGHES SMCC, LLC	No.	Yes., The project will include 72 parking spaces; five percent would equate to 4 (3.6 rounded up) spaces. The project would meet this requirement by providing 4 parking spaces with Level 2 EV chargers.	Yes. Project is conditioned to submit a TDM plan for review and approval prior to building permit issuance.	N/A	N/A - Project not multi-family residential and not within one-half mile of a major transit stop.	N/A - Measure applies to residential projects only.	Yes. The floor area would be 67,410 sq ft. Consistency would require a photovoltaic system with a capacity of approximately 134.8 kilowatts (kW). The project would comply through installation of at least 134.8 kW of solar panels on the roof.	Yes. The project would comply with the City's Water Efficient Landscape Ordinance. The Maximum Applied Water Allowance of 382,733 gallons per year. 0.581 acres landscaping	Yes. The project includes 72 on-site parking spaces; one tree per five spaces would equate to 15 trees. The project proposes to plant approximately 30 trees in the parking area.
SP22-0003 (11/14/2023)	SP22-0003 MARCOS SPECIFIC PLAN	No.	Yes. The project will include 238 parking spaces on the West End Residential; five percent would equate to 12 (11.9) rounded up) spaces. The project will include 278 parking spaces on the East End Commercial; five percent would equate to 14 (13.9) rounded up) spaces. . The project would meet this requirement by providing at least 12 parking spaces with Level 2 EV chargers on the West End Residential and at least 14 Level 2 EV chargers on the East End Commercial.	Yes. Project is conditioned to submit a TDM plan for review and approval prior to building permit issuance.	N/A	N/A - Project is not within one-half mile of a major transit stop by walking distance. SR78 does not allow for access within one-half mile.	The residential components (102 West End and 7 live/work East End) will comply with the electric water heater requirements.	Yes. The non-residential floor area would be 56,934 sq ft. The project will provide photovoltaic system with a capacity of at least 113.9 kilowatts (kW). The project would comply with this item through installation of at least 113.9 kW of solar panels on the roofs of the East End commercial project.	Yes. The project would comply with the City's Water Efficient Landscape Ordinance. The Maximum Applied Water Allowance of 845,616 gallons per year for the East End Commercial and 625,018 gallons per year for the West End Residential for a total MAWA of 1,470,634. Residential 0.9149 acres landscaping, Commercial 1.2816 acres; totaling 2.1965 acres landscaping.	Yes. Project will include 26 open parking spaces on the West End Residential and 278 open parking spaces on the East End Commercial. One tree per five spaces equates to 6 trees on the West End Residential and 56 trees on East End Commercial. The project proposes to plant at least 13 trees in West End residential parking area and at least 57 trees in East End Commercial parking area. .
MFS20-0002 (10/26/2021)	MARIPOSA II PHASE II	No	Yes. At least 7 EV charging stations.	Yes. The apartment manager will provide transit information to the tenants and make a good faith effort in offering discounted transit fares. There will be some parking spaces for carpool and bicycle racks onsite. The community room will have some space available for residents to telecommute.	N/A	This is an affordable unit project. Concession allowed for 16% reduction in parking. Site is not within half mile of transit. 96 units approved and under construction.	Yes. The project will install solar hot water with electric heater.	n/a	Yes. The project will conform to any applicable State & Local water-use requirements. Estimated water use calculations can be found on the sheet LC-2 of the submittal package. Landscape area = 40,145 sf (0.92 ac)	Yes. The project will plant at least one tree per five parking spaces as detailed in the project's conceptual landscape plan. LP22-00007 approved 4/3/23. 128 new trees; 25 replaced trees.
SP20-0002 (5/24/2022)	Hall Land Company, 151 Condos on Barham Drive	No	Yes. The Project is providing 56 guest parking spaces with 5% Level II EV parking spots which equates to 3 spaces.	Yes. The HOA manager will provide transit information to the owners and make a good faith effort in offering discounted transit fares. There will be some parking space for carpool and bicycle racks onsite. The community room will have some spaces available for residents to telecommute. The HOA will provide a newsletter to inform the residents there are options for reduced transit passes. The project will provide designated car-share, carpool, vanpool, EV and/or park-and-ride spaces on site. Each home is equipped with showers and storage that includes space for bicycles as well as areas within the home for telecommuting.	N/A	N/A	Yes. The project is proposing an electric tank in the units.	n/a	Yes. The project will comply with the WELO. Landscape area = 136,861 sf (3.14 ac)	Yes. The project proposes 66 parking spaces of which 10 are reserved for residents with 243 trees noted on the landscape plan that will be planted. LP23-00011 approved 2/23/24. 185 new trees; 9 replaced trees

Project Number (Approval Date)	Project Name	Construction Complete?	Electric Vehicle Charging Stations (T-2)	Transportation Demand Management (T-9)	Increase Transit Ridership (T-11)	Reduce Parking Near Transit (T-12)	Water Heaters (E-1)	Photovoltaic Installation (E-2)	Landscaping Water Use (W-1)	Urban Tree Canopy (C-2)
SDP22-0001 (1/12/2024)	SAN MARCOS HOSPITALITY LLC: 115-room hotel	No	Approved: 6 charging stations; 28 EV ready; 11 EV capable	Approval did not require TDM; however, project will provide EV spaces. Walking distance to Sprinter station.	Yes. 80,119 sf (including basement parking); 68,389 sf (without basement parking)	N/A	N/A	Yes. The floor area of the project would be 68,389 sq ft. Consistency with this item would require a photovoltaic system with a capacity of approximately 137 kilowatts (kW). The project would comply with this item through installation of at least 137 kW of solar panels on hotel roof.	Yes. Landscape area = 8,281 sf (0.19 ac)	LP24-00003 approved 4/23/24. 28 new trees; 12 replaced trees.
SP19-0004 (9/28/2021)	STARBUCKS DRIVE-THRU	Yes	Approved and built 2 charging stations.	Approval did not require TDM; however, project will provide EV spaces and bike rack.	N/A	N/A	N/A	No. Building too small.	Yes. Landscape area = 6,940 sf (0.16 ac)	LP21-00012 approved 12/17/21. 29 new trees.
SP20-0001 (11/9/2021)	138-unit Assisted Living and Memory Care Facility	No	Approved for 3 charging stations	Yes. Project will construct public sidewalk between Mission Rd and TOV Rd; walkway connections between public sidewalk and facility; bike rack; existing bike lanes on Mission Rd and TOV Rd; walking distance to Sprinter station; Operator will provide transit, rideshare, and carpool info to employees; Reimbursement of monthly transit pass for employees	Yes. 127,975 sf building	N/A	N/A	Yes. The floor area would be 127,975 sq ft. Consistency with this item would require a photovoltaic system with a capacity of approximately 256 kilowatts (kW). The project would comply with this item through installation of at least 256 kW of solar panels on the roof of the assisted living facility.	Yes. Landscape area = 28,111 sf (0.65 ac)	LP23-00008 approved 7/11/23. 55 new trees.
SP21-0003 (7/25/2023)	SP21-0003, MERITAGE HOMES, GRAN VISTA	No	Approved for 120 EV capable garage spaces and 2 charging stations for guests.	Yes. Project will construct walkway connections to public sidewalk; existing bike lanes on Mission Rd and Las Posas Rd; bike racks; Walking distance to Sprinter station; Transit, carpool, and rideshare info; subsidized transit passes.	Yes. 120 approved units.	N/A	yes, Electric water heaters	n/a	Yes. Landscape area = 73,139 sf (1.68 ac)	LP23-00013 approved 1/12/24. 383 new trees.
SC23-0003 (6/2/2023)	UNIVERSITY DISTRICT SDP for Phase A/222 Bldg.	No (Under Construction)	25 Ev required and 25 proposed (5% of required), this is 25% of the 484 original parking spaces required. With the reduction to 463 spaces, the developer is still providing 25 EV spaces, so over the requirement.	Yes	Yes, 463 units, 16,524 square-feet of commercial space	50% reduced parking, 463 approved and 463 under construction at the moment.	NA, they have one Central Utility Plant for the complex, Power source of the utility plant is solar and electric.	463, PV is shared by roof solar because it is an apt. SDP21-0003	Yes. Sheet L1101 (Landscape Irrigation Plan) provides calculations to demonstrate compliance with the City's Water Efficient Landscape Ordinance.  On Site 222 Building/Ph. A Ground Level Planting Area - 17,651 sf Decomposed Granite - 286 sf Gravel - 866 sf  Total ground floor landscaping = 18,803 sf or 0.43 acres  Paseo Planting Area - 6,884 sf Decomposed Granite - 2,106 sf Sand & Wood Chips - 661 sf Artificial Turf - 6,857  Total Paseo landscaping = 16,508 sf or 0.37 acres	Phase A and B, combined, will plant 105 trees.
SDP21-0004 (11/6/2023)	University District West Residential	No (Under Construction)	5% of required, which equates to a total of 8 EV guest spaces and 425 EVCS ready spaces.	Yes	No. 480 single family codos. No units constructed at this time	NA (Feel free to reach out to go over this)	Electric per each unit - total 480	Solar per each unit provided	0.42 acres of public landscaping and 12.25 acres of private/HOA landscaping	The SDP does not propose any single family residential. 117 trees within the public right of way will be planted and 1,004 trees within private for a total of 1,121 trees.
TSM19-0002 (2/22/2023)	UDSP West Side TSM		NA	Yes	NA	NA	NA	NA	NA	NA
CUP19-0010 (3/7/2022)	HOLLANDIA DAIRY	NO		Listed as N/A, but there's also a note that a TDM must be prepared. The project provides pedestrian connections to local sidewalks and bicycle racks for employees to use. However, as an industrial food production facility which operates in shifts methods such as ride sharing and remote working are not feasible because employees must be onsite to perform work and work is spread between many departments and various shifts throughout the day.				Yes. New 1,033 PV systems have been installed on the office building roof as well as over the employee parking area in 2018, prior to project.	The proposed landscaping is limited to a section along the west side of the property, allowing shrubs to grow for screening. The total landscape area is less than 2,500 sq. ft. and is not subject to WELO requirements. At the time of construction drawing submission, the landscape area will be confirmed to remain under 2,500 sq. ft. It appears that the project may not proceed with construction.	Existing trees are not proposed to be impacted by project but will be required to be replaced at a ratio of 1:1 if impacted. No new trees proposed.

Project Number (Approval Date)	Project Name	Construction Complete?	Electric Vehicle Charging Stations (T-2)	Transportation Demand Management (T-9)	Increase Transit Ridership (T-11)	Reduce Parking Near Transit (T-12)	Water Heaters (E-1)	Photovoltaic Installation (E-2)	Landscaping Water Use (W-1)	Urban Tree Canopy (C-2)
GPA21-0001 (6/27/2023)	Arco Gas Station, Car Wash, and Convenience Store	NO	2-EV Parking spaces required by CAP. 0 Constructed	N/A		N/A	N/A	28.4 kW sized system required. Project not yet built.	The 13,032 square feet of landscaping is subject to WELO and is proposed to use 154,563 gallons per year. Landscape Permit not yet submitted to verify final landscape area.	The project would include 49 total trees. All are new trees.
SP22-0004 (12/12/2023)	SPA- LENNAR OCRR REDEVELOPMENT	NO	25-EV Parking spaces required by CAP. 0 Constructed	YES		N/A	202 units with electric tankless water heaters.	620 Kw for 10,400 non-residential mixed use portion of project.	Approx. 87,500 sqft of landscaping. No Landscape Permit approved yet.	The project includes 243 trees, 97 of which will be replacement trees and 146 new trees.

**Appendix B. Performance Data for CAP Measure T-8: Bike Lanes, Sidewalks, Trails (January 1, 2021 through July 31, 2022)**

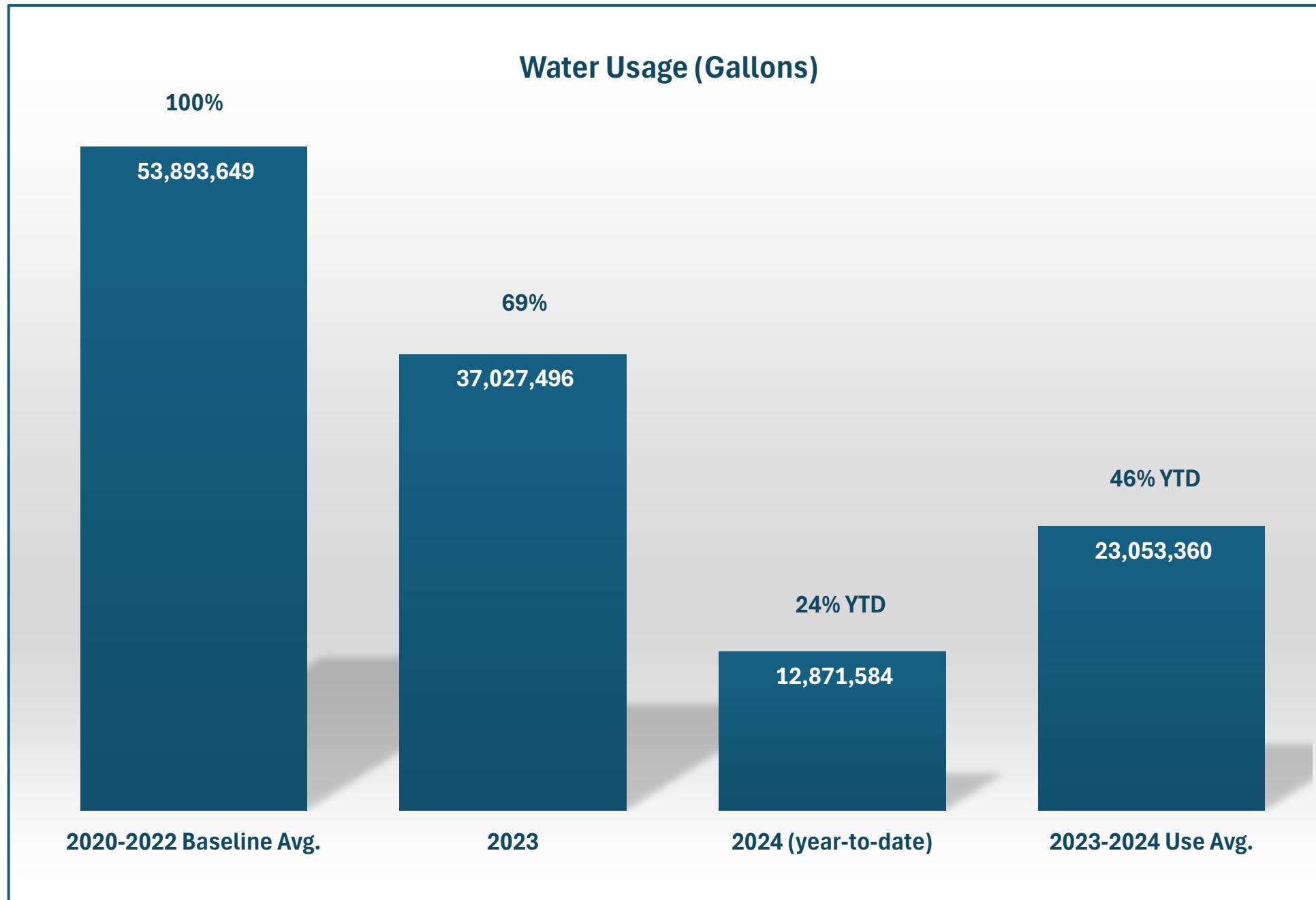
Drawing Name	Drawing Number	Permit Issue Date	As-Built Date	New Sidewalk	Replaced or Upgraded Sidewalk	New ADA Ramps	Replaced ADA Ramps	New Trail	Replaced or Upgraded Trail	New or Enhanced Crosswalk Striping	Bike Lanes Added	Bike Lanes Improved	Improvement Description
		1/1/21-7/31/22	1/1/21-7/31/22	(Linear Feet)	(Linear Feet)	(Each)	(Each)	(Linear Feet)	(Linear Feet)	(Linear Feet)	(Linear Feet)	(Linear Feet)	For existing facilities that were improved
Block 3 (Barham Dr)	IP20-00005	44250	45201	-	50	-	-	-	-	-	-	-	Replacement of existing sidewalk along frontage on Barham Dr.
Mission Villas	IP20-00010	44259	45503	-	314	2	-	-	-	98	-	-	New ADA ramps and crosswalk striping to be added at the intersection of Woodward and Mission Rd.
Murai (Lennar Homes)	IP18-00011	44522	Constructed. As-built TBD	8,985	-	8	-	2,842	-	-	-	-	New surface improvements from the project subdivision connection to Las Posas.
Discovery Street Segment 2	IP19-00008	44319	Constructed, As-built TBD	2,429	-	4	-	2,429	-	190	1,995	-	Extension of Discovery Street includes new bike lanes, 15ft wide concrete sidewalk/trail and new crosswalk striping at new intersections.
Woodsprings Hotel (Grand Ave)	IP20-00003	44626	45329	833	-	4	2	-	-	-	-	-	New sidewalk, curb and gutter, and ADA ramps to be installed along the project frontages of Grand Ave. and Pacific St.
Highlands Phase II	IP21-00001	44522	Constructed, As-built TBD	2,067	-	2	-	600	-	-	-	-	New surface improvements from the project subdivision connection to Las Posas including new ADA ramps, sidewalk, and DG trail segments.
Sunrise Condos	IP20-00007	44614	Constructed, As-built TBD	6,186	-	14	-	-	-	24	-	-	New surface improvements from the project subdivision connection to Barham including new ADA ramps and sidewalk improvements.
Highlands Phase III	IP21-00002	44495	Constructed, As-built TBD	1,292	-	2	-	-	-	-	-	-	New surface improvements from the project subdivision connection to Las Posas.
Richland Elementary School	IP21-00004	44462	Constructed, As-built TBD	-	647	1	8	-	-	179	-	-	New ADA ramps and crosswalk striping for new driveways cuts into the school and crosswalk improvements with new traffic signal at Richland and Borden.
Smilax Offsite (County)	IP21-00007	44621	Constructed, As-built TBD	-	1,940	5	-	-	-	-	-	-	Half width street improvements along property frontage of Smilax includes placement of ultimate curb line with realigned sidewalk and ada ramps across new project driveway.
Highlands Phase IV	IP21-00008	44502	In construction	3,640	-	4	-	1,471	-	80	-	-	New surface improvements from the project subdivision connection to Las Posas including new ADA ramps, sidewalk, and DG trail segments.
Highlands Phase V	IP21-00010	44659	In construction	3,899	-	4	-	1,106	-	80	-	-	New surface improvements from the project subdivision connection to Las Posas including new ADA ramps, sidewalk, and DG trail segments.
ST009- ADA Impv (Bailey Ct)	IP21-00019	44572	Constructed, As-built TBD	621	242	2	-	-	-	-	-	-	Replacement of existing sidewalk along Bingham Dr. and new sidewalk construction on Bailey Ct. Pedestrian ramp from Mission Sports Park to Armorlite improved.
Mission 24	IP19-00014		44642	-	363	2	1	-	-	-	-	-	Sidewalk and ADA ramp improvements along Avenida Chapala.
<b>TOTAL</b>				<b>29,952</b>	<b>3,556</b>	<b>54</b>	<b>11</b>	<b>8,448</b>	<b>-</b>	<b>651</b>	<b>1,995</b>	<b>-</b>	

**Appendix B. Performance Data for CAP Measure T-8: Bike Lanes, Sidewalks, Trails (August 1, 2022 through July 31, 2024)**

Drawing Name	Drawing Number	Permit Issue Date	As-Built Date	New Sidewalk	Replaced or Upgraded Sidewalk	New ADA Ramps	Replaced ADA Ramps	New Trail	Replaced or Upgraded Trail	New or Enhanced Crosswalk Striping	Bike Lanes Added	Bike Lanes Improved	Improvement Description
		8/1/22-7/31/24	8/1/22-7/31/24	(Linear Feet)	(Linear Feet)	(Each)	(Each)	(Linear Feet)	(Linear Feet)	(Linear Feet)	(Linear Feet)	(Linear Feet)	
Fenton/Discovery Village North - North City Drive	IP23-00004	45314	In construction	755	-	2	-	-	-	85	700	-	New segment of buffered Class II on North City Dr between Discovery St & West City Court (roundabout).
North City West - North City Drive	IP22-00017	45471	In construction	2,045	-	20	-	-	-	520	1,723	-	New segment of buffered Class II on North City Dr between West City Court (roundabout) to terminus (temporary cul-de-sac).
MAAC Preschool Child Development Center	IP18-00003	44186	45068	-	122	-	1	-	-	-	-	-	Replaced sidewalk along Gosnell Way and Firebird St.
Mesa Rim	IP19-00003	43899	45180	230	-	2	-	-	-	-	-	-	Addition of sidewalk along Industrial St.
California Allstars	IP20-00006	44433	TBD	325	-	-	-	-	-	-	-	305	Addition of sidewalk and replaced bike striping along Twin Oaks Valley Rd.
El Dorado Public Improvements	IP19-00017	44040	44816	-	1,437	-	6	-	-	48	-	-	Updated sidewalk along Richmar Ave and Pleasant Way. Added crosswalk striping crossing Pleasant Way.
North City East - Phase A	GP22-00012	45413	In construction	1,218	-	-	-	-	-	-	512	-	Paseo- new segment of non-vehicular access between former June Way & Campus Way thru the Phase A building site (222 North City Dr).
Cielo - Las Posas & Mission Rd	IP23-00012	45421	In construction	-	900	-	3	-	-	345	-	240	Update crosswalks to continental striping and update ADA ramps on Mission & Las Posas, and Palm & Las Posas intersections. Update bike lanes and add segment of green conflict striping on Las Posas.
American Rentals - Linda Vista Dr	IP22-00009	45152	TBD	-	154	-	-	-	-	-	-	-	Replaced sidewalk along Linda Vista.
South Pacific	IP22-00014	45168	In construction	70	-	2	-	-	-	-	-	-	Addition of sidewalk along Pacific St.
<b>TOTAL</b>				<b>4,643</b>	<b>2,613</b>	<b>26</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>998</b>	<b>2,935</b>	<b>545</b>	

## Appendix C. Performance Data for CAP Measure W-2: Water Use in City Parks

Water Usage (Gallons)		
2020-2022 Baseline Avg.	53,893,649	100%
2023	37,027,496	69%
2024 (year-to-date)	12,871,584	24% YTD
2023-2024 Use Avg.	23,053,360	46% YTD



## Appendix C. Performance Data for CAP Measure W-2: Water Use in City Parks

Year 2020-2022 (annual average)			
Park Site	Month	Water Usage (gallons)	Baseline %
All Parks	January	1,173,363	1
All Parks	February	1,669,037	1
All Parks	March	2,094,649	1
All Parks	April	2,195,879	1
All Parks	May	4,483,013	1
All Parks	June	6,635,508	1
All Parks	July	8,019,807	1
All Parks	August	7,922,816	1
All Parks	September	7,283,276	1
All Parks	October	5,662,360	1
All Parks	November	3,761,443	1
All Parks	December	2,992,499	1
All Parks	Total:	53,893,649	1

Year 2023			
Park Site	Month	Water Usage (gallons)	Baseline %
All Parks	January	480,964	0
All Parks	February	267,036	0
All Parks	March	264,792	0
All Parks	April	386,716	0
All Parks	May	2,629,220	1
All Parks	June	4,540,360	1
All Parks	July	6,662,436	1
All Parks	August	6,743,220	1
All Parks	September	5,185,136	1
All Parks	October	3,772,164	1
All Parks	November	3,639,768	1
All Parks	December	2,455,684	1
All Parks	Total:	37,027,496	1

Year 2024 (year-to-date)*			
Park Site	Month	Water Usage (gallons)	Baseline %
All Parks	January	851,224	1
All Parks	February	477,224	0
All Parks	March	297,704	0
All Parks	April	854,216	0
All Parks	May	3,825,272	1
All Parks	June	5,417,764	1
All Parks	July	920,788	0
All Parks	August	227,392	0
All Parks	September	-	-
All Parks	October	-	-
All Parks	November	-	-
All Parks	December	-	-
All Parks	Total:	12,871,584	0

Year 2023-2024 (annual average)			
Park Site	Month	Water Usage (gallons)	Baseline %
All Parks	January	666,094	1
All Parks	February	372,130	0
All Parks	March	281,248	0
All Parks	April	620,466	0
All Parks	May	3,227,246	1
All Parks	June	4,979,062	1
All Parks	July	3,791,612	0
All Parks	August	3,485,306	0
All Parks	September	2,592,568	0
All Parks	October	1,886,082	0
All Parks	November	1,819,884	0
All Parks	December	1,227,842	0
All Parks	Total:	24,949,540	0

\*Reflects water usage data from January 1 through August 31