ESCONDIDO
City of Choice

# 2023 Climate Action Plan Annual Monitoring Report

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# CAP Annual Monitoring Report Introduction

The Climate Action Plan ("CAP") Annual Monitoring Report provides an overview of the City's progress in achieving the CAP's objectives. The Escondido City Council received the 2023 CAP Annual Monitoring Report on **August 7, 2024.**

There are a total of 11 strategies within the CAP. Each strategy has corresponding implementation measures and metrics that carry out each strategy. The CAP's strategies and measures establish "what" the City is doing to achieve the CAPs objectives. While, implementation metrics determine "how" the City will get it done. For example, as part of the CAP, the City would like to reduce fossil fuel use by synchronizing 23 of the City's signals by 2030.

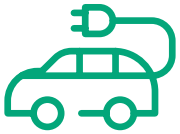
In this case...

***The strategy is ➔ Reduce fossil fuel***

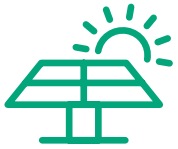
***The metric is ➔ By synchronizing 23 of the City's signals by 2030***

Of the 11 CAP strategies, nine are associated with reducing citywide GHG emissions. The remaining two are adaptation strategies for climate resilience.

All of the CAP strategies can be seen below.



**STRATEGY 1**
Increase Use of Zero-Emission or Alternative Fuel Vehicles



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# Implementation Progress

As of 2023, 3% of the CAPs measures have been completed, 32% have begun implementation, and 65% have yet to be implemented. In 2023, 9 of the CAPs measures changed status from "Not yet implemented" to "In Progress." Capacity and funding continue to be barriers to the CAPs implementation.

The following sections break down the 11 CAP strategies and measures and provide progress for each. The green ribbon at the top of each section highlights the following information:

**Status:** refers to the implementation status of each measure as of December 2023

- **Not yet implemented:** the action is yet to begin
- **In Progress:** the action is underway, but yet to be completed
- **Completed:** the action is complete

**Measure:** the CAP action item, identified with a letter and a number (i.e., T-1.1)

**Title:** an action's title/name

**GHG Reduction Potential ($MTCO_2e$):** the total anticipated greenhouse gas emissions reduced with full implementation of a measure (expressed in metric tons of carbon dioxide equivalent)

**Responsible Agency & Progress:** Name of the department responsible for implementation of a measure and progress made toward meeting the measure

**CAP Implementation Date:** year in which a measure should be implemented according to the CAP

**Staff Implementation Cost:** cost to implement (i.e., High, medium, low)

- **Low:** requires a small number of resources from staff. The measure can be implemented with the reprioritization of staff's workload
- **Medium:** requires staff resources beyond current capacity. Hiring a new part-time staff and/or contracts may be required.
- **High:** requires extensive staff resources, including a significant number of new staff and/or contracts

**Level of Effort:** amount of work required to implement

- **Low:** there are existing programs in place to support implementation and funding is accessible
- **Medium:** requires internal and external coordination, policy and code revisions, and funding sources are accessible
- **High:** requires a general plan amendment or new policy/ordinances, robust outreach, regional cooperation, and securing long-term funding

Highlighted rows reflect whether measures are "past due" or nearing implementation due date, according to the CAP:

- **Red:** Measure has a 2023 or earlier CAP Implementation Date and the measure has not been implemented
- **Yellow:** Measure has a 2024 CAP Implementation date and it has not been implemented
- **Blue:** Measure has been completed, regardless of the implementation date
- **No Highlight:** The measure may be in progress; may not have a CAP implementation date; and/or it is not nearing implementation deadline.
- **No data —:** represented by a dash (—)

# Strategy 1

## Increase use of Zero-Emission or Alternative Vehicles

**Measure: T-1.1** Transition to a Clean and More Fuel-Efficient Municipal Vehicle Fleet
Responsible Department(s): **Public Works**
Staff Costs: **Low**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Adopt a procurement policy for converting all municipal vehicle fleet to EVs and PHEVs. | — | — | 2021 |
| *In Progress* | Add 11 new EVs and PHEVs to the City fleet by 2030. | 33 | **2023:** One EV was added to the City's fleet. Public Works also began procurement of three more EVs | 2030 |
| *Not Yet Implemented* | Install 30 EV Charging stations at the Police and Fire Headquarters by 2030. | | — | 2030 |
| *In Progress* | Maintain 30 EV charging stations and 11 EVs and PHEVs in the municipal fleet in 2035. | 33 | In 2023, Public Works finalized installation of 2 EV chargers at the Public Works yard. Public Works also explored alternative charging options including the installation of solar powered charging stations since grid capacity at the Public Works yard is limited | 2035 |

# Strategy 1

Increase use of Zero-Emission or Alternative Vehicles

**Measure: T-1.2** Install EV Charging Stations at Park and Ride Lots
Responsible Department(s): **Development Services and Public Works**
Staff Costs: **Medium**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Install 181 EV charging stations in Park and Ride lots by 2030. | 463 | — | 2030 |
| *Not Yet Implemented* | Install 281 EV charging stations in Park and Ride lots by 2035. | 737 | — | 2035 |

# Strategy 1

## Increase use of Zero-Emission or Alternative Vehicles

**Measure: T-1.3** Adopt an Ordinance to Require EV Charging Stations at New Developments
Responsible Department(s): **Development Services and Public Works**
Staff Costs: **Low**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Adopt an ordinance requiring EV charging station installation in new multi-family and new commercial developments. | — | — | 2022 |
| *Not Yet Implemented* | Adopt an ordinance that requires the installation of EV charging stations in existing, larger commercial developments (consisting of 100 spaces or more). | — | — | 2023 |
| *Not Yet Implemented* | Establish a "Clean Energy Equity Plan" to improve equitable access to clean and sustainable energy in priority investment neighborhoods ("PINs") to increase EV ownership, EV car-sharing, installation of EV chargers in existing multi-family projects, etc. | — | — | 2025 |
| *In Progress* | Install 531 EV charging stations in multi-family and commercial developments by 2030. | 3,513 | The City issued 53 building permits for EV chargers; however, none were for multifamily residential. Single family residential accounted for 48 permits and nonresidential 5 permits | 2030 |
| | Install 802 EV charging stations in multi-family and commercial developments by 2035. | 5,732 | | 2035 |

# Strategy 1

## Increase use of Zero-Emission or Alternative Vehicles

**Measure: T-1.4** Require EV Charging Stations at New Model Home Developments
Responsible Department(s): **Development Services**
Staff Costs: **Low**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Adopt an ordinance requiring EV charging station installation in new single-family homes and townhouses. | — | — | 2021 |
| *Not Yet Implemented* | Install 200 EV charging stations in new single-family homes and townhouses by 2030. | 339 | — | 2030 |
| *Not Yet Implemented* | Install 300 EV charging stations in new single-family homes and townhouses by 2035. | 520 | — | 2035 |

# Strategy 2

Reduce Fossil Fuel Use

**Measure: T-2.1** Synchronize Traffic Signals
Responsible Department(s): **Engineering Services**
Staff Costs: **Low**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Synchronize traffic signals at 23 City-maintained intersections by 2030. | 289 | **2023:** Engineering Services contracted with a consultant and is working in completing the traffic signal master plan<br><br>**2022:** A request for proposal for a traffic signal improvement master plan was released | 2030 |
| | Synchronize traffic signals at 35 City-maintained intersections by 2035. | 408 | | 2035 |

# Strategy 2

Reduce Fossil Fuel Use

**Measure: T-2.2** Install Roundabouts
Responsible Department(s): **Development Services and Engineering Services**
Staff Costs: **Medium**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Establish a policy that requires the study of roundabouts at intersections with lower average daily trips, whereby the feasibility of roundabouts is evaluated for all new intersections and for existing intersections where capacity or safety problems have been identified. | — | **2023:** A round about study is included in the Mobility Element Update which is set to be completed in early 2025 | 2025 |
| *In Progress* | Install roundabouts at eight City-maintained intersections by 2030 | 811 | **2023:** One roundabout was constructed at Country Club Lane and La Brea. Construction of another roundabout began at Felicita Road and Park Drive.<br>**2022:** One roundabout was constructed at Country Club Lane and Golden Circle Drive. | 2030 |
| | Install roundabouts at 12 City-maintained intersections by 2035. | 1,145 | | 2035 |

# Strategy 2

Reduce Fossil Fuel Use

**Measure: T-2.3** Increase Renewable of Alternative Fuel Construction Equipment
Responsible Department(s): **Development Services**
Staff Costs: —
Level of Effort: —

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Adopt an ordinance requiring electric-powered or alternatively-fueled construction equipment in new developments and land-moving projects, to the extent such equipment is available. Exempt small residential and non-residential projects from this requirement. | — | — | 2027 |
| *Not Yet Implemented* | Reduce fuel consumed by construction equipment and construction fleets by 25% by 2035. It is assumed that 50% of new development projects would be exempt from this requirement. | 2,508 | — | 2035 |
| *Not Yet Implemented* | Conduct educational campaigns to promote fuel-efficient driving ("eco-driving") practices, such as reduced idling, slower driving speeds, gentle acceleration, and proper tire inflation. | — | — | — |
| *In Progress* | Update the City's General Plan Mobility and Infrastructure Element to support network build-out and improved traffic flow. | — | The City is currently working on updating the Mobility and Infrastructure Element which is set to be completed by 2025. | — |
| *Not Yet Implemented* | Medium- and heavy-duty electronic truck sales and usage is expected to increase starting in 2024, consistent with the 2020 Advanced Clean Truck Rule mandated by the California Air Resource Board ("CARB"). To support this rule, the City should adopt an ordinance to establish requirements for large truck EV charging stations and work with businesses to increase station access to support the mandate. | — | — | — |

# Strategy 3

Reduce Vehicle Miles Traveled

**Measure: T-3.1** Participate in the SANDAG iCommute Vanpool Program
Responsible Department(s): **Development Services and City Manager**
Staff Costs: **Low**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Maintain a minimum of 36 SANDAG vanpools annually that start or end in the City in 2030. | 837 | — | 2030 |
| *Not Yet Implemented* | Maintain a minimum of 36 SANDAG vanpools annually that start or end in the City in 2035. | 787 | — | 2035 |

# Strategy 3

Reduce Vehicle Miles Traveled

**Measure: T-3.2** Improve Pedestrian Infrastructure in Priority Areas
Responsible Department(s): **Development Service**
Staff Costs: **Low**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Develop and adopt an Active Transportation Plan that includes a Pedestrian Master Plan, Trails Master Plan, Safe Routes to School Plan, and Safe Routes to Transit Plan. | — | Engineering Services launched the *Comprehensive Active Transportation Strategy* (CATS) in 2023. The Project will develop an Active transportation Plan and Safe Routes to School Plan. The Project is ongoing and is set to be completed in early 2025. | 2023 |
| *In Progress* | Install or improve at least 5.8 miles of sidewalk in priority areas. | 44 | Engineering services conducts sidewalk improvements and replacements every year, however, there is no mechanism in place to track whether improvements of sidewalks are completed in priority areas. As part of the *CATS project*, the City will gather existing sidewalk network data that will identify needs and better track sidewalk infrastructure improvements. | 2030 |
| *In Progress* | Install or improve at least 8.3 miles of sidewalk in priority areas. | 59 | | 2035 |

# Strategy 3

Reduce Vehicle Miles Traveled

**Measure: T-3.3** Implement the Safe Routes to School Program
Responsible Department(s): **Development Services and Escondido Unified School District**
Staff Costs: **Low**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Develop and adopt an Active Transportation Plan that includes a Safe Routes to School Plan. | — | Engineering Services launched the *Comprehensive Active Transportation Strategy* (CATS) project in 2023. The Project will develop a Safe Routes to School Plan. The Project is ongoing and is set to be completed in early 2025 | 2023 |
| *Not Yet Implemented* | Increase the percent of students walking to school in the EUSD to 27 percent in 2030. | 60 | — | 2030 |
| *Not Yet Implemented* | Increase the percent of students bicycling to school in the EUSD to 2.3 percent in 2030. | | — | 2030 |
| *Not Yet Implemented* | Increase the percent of students walking to school in the EUSD to 30 percent in 2035. | 82 | — | 2035 |
| *Not Yet Implemented* | Increase the percent of students bicycling to school in the EUSD to 2.5 percent in 2035. | | — | 2035 |

# Strategy 3

Reduce Vehicle Miles Traveled

**Measure: T-3.4** Develop a Citywide TDM Plan
Responsible Department(s): **Development Service**
Staff Costs: **Medium**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | ● Adopt a TDM ordinance, effective in 2022.<br>● Provide "end-of-trip" facilities for bicycle commuters (i.e. bicycle parking spaces, showers, lockers)<br>● Provide discounted monthly NCTD transit passes or transit subsidies<br>● Provide informational material to employees for carpool and vanpool ride-matching services<br>● Implement parking cash-out policies<br>● Develop alternate workplace, telecommuting, and/or alternate work schedule programs | — | — | End of 2021 |
| *Not Yet Implemented* | Develop and implement a wayfinding program with signage and information systems to facilitate walking, biking, and efficient driving and parking. | — | — | 2023 |
| *Not Yet Implemented* | Increase bicycle commute mode share to 2.0 percent citywide and 3.5 percent in the downtown employment center in 2030. | 533 | — | 2030 |
| *Not Yet Implemented* | Increase transit commute mode share to 4.5 percent citywide and 7.5 percent in the downtown employment center in 2030. | | — | 2030 |
| *Not Yet Implemented* | Increase carpool commute mode share to 17.0 percent citywide and 15.5 percent in the downtown employment center in 2030. | | — | 2030 |

# Strategy 3

Reduce Vehicle Miles Traveled

**Measure: T-3.4** Develop a Citywide TDM Plan (Cont.)
Responsible Department(s): **Development Service**
Staff Costs: **Medium**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Increase bicycle commute mode share to 2.5 percent citywide and 4.0 percent in the downtown employment center in 2035. | 820 | — | 2035 |
| *Not Yet Implemented* | Increase transit commute mode share to 5.0 percent citywide and 8.0 percent in the downtown employment center in 2035. | | — | 2035 |
| *Not Yet Implemented* | Increase carpool commute mode share to 17.0 percent citywide and 16.0 percent in the downtown employment center in 2035. | | — | 2035 |

# Strategy 3

Reduce Vehicle Miles Traveled

**Measure: T-3.5** Update Bicycle Master Plan
Responsible Department(s): **Development Service**
Staff Costs: **Medium**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Develop and implement a citywide bike rack policy. | — | This effort will be part of the *Comprehensive Active Transportation Strategy* (CATS). The Project is ongoing and is set to be completed in early 2025 | 2024 |
| *In Progress* | Complete construction of the Class I Escondido Creek Bike Path, funded through Prop 68, to facilitate a larger network of active transportation access points and opportunities. | – | Design for the Escondido Creek Trail Expansion and Renovation Project was completed in 2023. Engineering Services has begun to advertise the project for construction bids. In addition, 9 crossings of the Escondido creek trail were improved using a separate funding source. | 2025 |
| *Not Yet Implemented* | Develop and implement a program to incentivize City employees commuting to work by bike or other modes of alternative transport as a model for other local employers. | – | — | 2025 |
| *In Progress* | Install at least 19 miles of new Class II or better bicycle lanes by 2030. | 231 | **2023:** The City added 2.89 miles of new Class II or better bicycle lanes, bringing the total to 9.09 of bike lanes within the City<br><br>**2022:** The City added 2.5 miles of new Class II or better bicycle lanes<br><br>**2021:** The City added approximately 3.7 miles of Class II or better bicycle lanes | 2030 |
| | Install at least 30 miles of new Class II or better bicycle lanes by 2035. | 335 | | 2035 |

# Strategy 3

Reduce Vehicle Miles Traveled

**Measure: T-3.6** Increase Transit Commuters Among New Downtown Residents
Responsible Department(s): **Development Service**
Staff Costs: **Low**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Develop a downtown parking study and feasibility study to look into multi-level, public/private parking lot(s) and convert surplus city-owned lots to facilitate | — | — | 2024 |
| *Not Yet Implemented* | Increase the proportion of commuters using transit and living in new residential developments within the Downtown Specific Plan and East Valley area from five percent to eight percent by 2030. | 84 | — | 2030 |
| *Not Yet Implemented* | Increase the proportion of commuters using transit and living in new residential developments within the Downtown Specific Plan and East Valley area to 10 percent by 2035. | 177 | — | 2035 |
| *Not Yet Implemented* | Requiring projects to provide six-month transit passes to new residents if proposing any reduction in parking over 15 percent of required amount. | — | — | — |
| *Not Yet Implemented* | Requiring projects to monitor transit use by new residents for the first six months of operation and present monitoring results to the City. | — | — | — |

# Strategy 3

Reduce Vehicle Miles Traveled

**Measure: T-3.7** Develop an Intra-City Shuttle Program
Responsible Department(s): **Development Service and Public Works**
Staff Costs: **High**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Complete a feasibility study that demonstrates the intra-city shuttle system would reduce internal trips seven percent by 2030 and 10 percent by 2035. | 4,463 | **2023:** The City received grant funding to begin a feasibility study for flexible fleet deployment in Escondido | 2030 |
| *In Progress* | Operate two or more shuttle routes with 10-minute headways during commute hours in 2030. | — | — | 2030 |
| *Not Yet Implemented* | Operate two or more shuttle routes with 10-minute headways during commute hours in 2035. | 6,540 | — | 2035 |

# Strategy 3

Reduce Vehicle Miles Traveled

**Measure: T-3.8** Increase Transit Ridership
Responsible Department(s): **Development Services and SANDAG**
Staff Costs: **Medium**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Increase internal-external/external-internal commute transit mode share of 4 percent by 2030. | 7,829 | **2023:** the City worked with transportation agencies to evaluate impacts to local street system resulting from transit projects. | 2030 |
| | Increase internal-external/external-internal commute transit mode share of 5 percent by 2035. | 17,099 | | 2035 |

# Strategy 3

## Reduce Vehicle Miles Traveled

**Measure: T-3.9** Develop and Implement a Service Population-Based VMT Threshold
Responsible Department(s): **Development Services**
Staff Costs: **Low**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Reduce citywide VMT to 1.8 percent below projected 2030 VMT levels in 2030. | 5,829 | **2023:** City began implementing the VMT program; however, the City has not established a process for tracking VMT reduction<br><br>**2022:** City adopted resolution 2022-162 on Dec 7, 2022 which approved a VMT Exchange Program. The program requires developers to mitigate for certain increases in VMT | 2030 |
| | Reduce citywide VMT to 3.5 percent below projected 2035 VMT levels in 2035. | 11,075 | | 2035 |
| *Not yet Implemented* | Pursue State grants, such as the Affordable Housing and Sustainable Communities Grant, to support affordable housing projects near transit. | — | — | — |

# Strategy 4

Increase Building Energy Efficiency

**Measure: E-4.1** Require New Residential Developments to Install Alternatively-Fueled Water Heaters
Responsible Department(s): **Development Services**
Staff Costs: **Low**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Adopt an ordinance requiring the installation of alternatively-fueled water heaters effective in 2023 in new developments and significant remodels. | — | — | 2022 |
| *Not Yet Implemented* | Establish incentives for landlords and homeowners to upgrade to electric heat pump water heaters. | — | — | 2025 |
| *In Progress* | Approve 995 new residential units served by electric heat pump water heaters by 2030. | 629 | The Building Division is implementing a permit type to track electric heat pump water heaters in 2023 for this measure. No numbers are available for CY 2022 but numbers are anticipated in 2023. | 2030 |
| | Approve 1,276 new residential units served by electric heat pump water heaters by 2035. | 822 | — | 2035 |

# Strategy 4

## Increase Building Energy Efficiency

**Measure: E-4.2** Require New Multi-Family Residential Developments to Install Electric Cooking Appliances
Responsible Department(s): **Development Services**
Staff Costs: **Low**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Adopt an ordinance, effective in 2023, requiring the installation of electric cooking appliances. | — | — | 2022 |
| *In Progress* | Establish incentives for landlords and homeowners to upgrade to electric cooking appliances. | — | — | 2025 |
| *Not Yet Implemented* | Install 955 new electric cooking appliances. | 143 | — | 2030 |
| *In Progress* | Install 1,142 new electric cooking appliances. | 172 | — | 2035 |

# Strategy 4

Increase Building Energy Efficiency

**Measure: E-4.3** Reduce Electricity Use in Streetlights
Responsible Department(s): **Public Works**
Staff Costs: **Low**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Completed* | Retrofit 300 existing HPS streetlights with LEDs by 2030. | 3 | **2021:** 1,010 street lights retrofitted in July | 2030 |
| | Retrofit 450 existing HPS streetlights with LEDs by 2035. | 3 | | 2035 |

# Strategy 4

## Increase Building Energy Efficiency

**Measure: E-4.4** Require Non-Residential Alterations and Additions to Install Alternative-Fuel Water Heaters
Responsible Department(s): **Development Services**
Staff Costs: **Low**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Require the installation of electric heat pump water heaters for a minimum alteration and addition area of 1.08 million sq. ft. of non-residential buildings by 2030. | 160 | — | 2030 |
| *Not Yet Implemented* | Require the installation of electric heat pump water heaters for a minimum alteration and addition area of 1.755 million sq. ft. of non-residential buildings by 2035. | 263 | — | 2035 |
| *Not Yet Implemented* | Evaluate the feasibility of a local home retrofit program and utilize the Clean Energy Equity Plan for reinvestment in priority investment neighborhoods ("PINS"), focusing on the oldest housing stock. | — | — | — |

# Strategy 5

## Increase Renewable and Zero Carbon Energy

**Measure: E-5.1** Increase Renewable Energy Generated at Municipal Facilities
Responsible Department(s): **Development Services and Public Works**
Staff Costs: **Low**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Install at least 0.8 MW of PV at municipal facilities and parking lots by 2030. | 292 | — | 2030 |
| *Not Yet Implemented* | Install at least 2.0 MW of PV at municipal facilities and parking lots by 2035. | 745 | — | 2035 |

# Strategy 5

Increase Renewable and Zero Carbon Energy

**Measure: E-5.2** Require New Commercial Developments to Achieve ZNE
Responsible Department(s): **Development Services**
Staff Costs: **Medium**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Adopt a Zero Net Energy ordinance effective in 2023. | — | — | 2022 |
| *Not Yet Implemented* | Approve at least 970,200 sq. ft. of new office and retail space that achieve zero net energy by 2030. | 1,618 | — | 2030 |
| *Not Yet Implemented* | Approve at least 1,576,575 sq. ft. of new office and retail space that achieve zero net energy by 2035. | 2,668 | — | 2035 |

# Strategy 5

Increase Renewable and Zero Carbon Energy

**Measure: E-5.3** Increase Grid-Supply Renewable and/or Zero-Carbon Electricity
Responsible Department(s): **Development Services and City Manager**
Staff Costs: **Medium**
Level of Effort: **High**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Completed* | Complete a CCA/CCE feasibility study. | — | The City Council adopted *Resolution No. 2021-169* to join the Clean Energy Alliance (CEA) Oct. 27, 2021, after the joint feasibility study was completed in previous FY 2020-2021. | 2021 |
| *Not Yet Implemented* | Establish a "Clean Energy Equity Plan" to support low-income residents and small organizations to purchase or obtain renewable energy. Program to include specific goals for local and decentralized renewable energy, rental and homeowner programs and/or system incentives, creation of local green jobs, and local hiring requirements, etc. | — | — | 2025 |
| *Not Yet Implemented* | Complete a micro-grid feasibility study with the goal to encourage clean energy development and access in priority investment neighborhoods ("PINs"). | — | — | 2028 |
| *Not Yet Implemented* | Achieve 100 percent renewable and zero-carbon electricity supply in 2030. | 42,134 | — | 2030 |
| *Not Yet Implemented* | Achieve 100 percent renewable and zero-carbon electricity supply in 2035. | 29,486 | — | 2035 |

# Strategy 5

Increase Renewable and Zero Carbon Energy

**Measure: E-5.4** Increase Renewable Electricity Generated at School Sites
Responsible Department(s): **Escondido Unified School District**
Staff Costs: **Medium**
Level of Effort: **High**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Install 2.6 MW behind-the-meter PV at school sites by 2030. | 947 | **2022:** EUSD installed 2.78 MW in the 2020/2021 fiscal year (FY); and is considering an additional 1 MW of PV at remaining sites in 2022/2023 FY. | 2030 |
| *In Progress* | Install 2.6 MW behind-the-meter PV at school sites by 2035. | 965 | | 2035 |
| *In Progress* | Support the efforts at the Hale Avenue Resource Recovery Facility (HARRF) to create renewable electricity and heat for municipal operations. | — | The HARRF maintains a biogas cogeneration renewable energy project that takes digester gas and produces energy. The project produces a combined 1200kW of electricity to fully power the HARRF. In addition, the heat produced by the electric generators heats the HARRF's digester water loop, which in turn heats the digester sludge to optimal temperatures. | — |

# Strategy 6

## Increase Water Efficiency

**Measure: W-6.1** Reduce Municipal Landscape Water Consumption
Responsible Department(s): **Environmental Services and Public Works**
Staff Costs: **Low**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Reduce water use at City Parks and in the City's LMD by 84 acre-feet in 2030. | 45 | **2022:** City staff began the process of upgrading LMD Irrigation Controllers to the latest Central Control Software along with upgrading controller communications from outdated 2G/3G Cell Cartridge communications to Network Radio communications. | 2030 |
| | Reduce water use at City Parks and in the City's LMD by 118 acre-feet in 2035. | 64 | | 2035 |

# Strategy 6

Increase Water Efficiency

**Measure: W-6.2** Reduce Landscape Water Consumption in Developments
Responsible Department(s): **Development Services**
Staff Costs: **Low**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Adopt an updated landscape ordinance effective 2022. | — | In 2023, the City hired a long-range planner to work on implementing the CAP, including an update to the City's landscape ordinance. However, the position works on all long-range planning projects, not just the CAP. | 2021 |
| *Not Yet Implemented* | Approve the development of 130 new single-family homes or townhouses with greywater systems and rain barrels by 2030. | 8 | The city is exploring various avenues of tracking greywater systems and rain barrels that are installed in new single-family homes | 2030 |
| *Not Yet Implemented* | Approve the development of 195 new single-family homes or townhouses with greywater systems and rain barrels by 2035. | 12 | — | 2035 |

# Strategy 7

Diversify Local Water Supply

**Measure: W-7.1** Develop a Local Water Supply for Agricultural Water Use
Responsible Department(s): **Development Services, Engineering Services, and Utilities**
Staff Costs: **Medium**
Level of Effort: **High**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Supply 6,721 acre-feet of water to agricultural customers from the MFRO facility in 2030. | 3,541 | — | 2030 |
| *Not Yet Implemented* | Supply 6,721 acre-feet of water to agricultural customers from the MFRO facility in 2035. | 3,571 | — | 2035 |

# Strategy 8

Reduce and Recycle Solid Waste

**Measure: S-8.1** Increase Citywide Waste Diversion
Responsible Department(s): **Development Services, Public Works, and Utilities**
Staff Costs: **Medium**
Level of Effort: **High**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Completed* | Adopt and implement an organic waste recycling program. | — | Organics ordinance approved in Dec. 2021 (Chapter 14: Solid Waste and Recycling updated to account for organic waste recycling). | 2021 |
| *Completed* | Adopt a composting and waste diversion ordinance. | — | Dec. 2021 update to Ch. 14 includes requirements for diversion and composting operations. Waste diversion is occurring, along with outreach/education. Two compost workshops were held in 2022 (goal of 4/year). | 2023 |
| *In Progress* | Work with the franchise waste hauler and other partners to assess the infrastructure needed to support composting and waste diversion goals Develop a Zero Waste Plan to support zero waste programs; prioritize community education to priority investment neighborhoods ("PINs"); and start building the necessary infrastructure for diverting waste and processing anaerobic digester waste. | — | **2023:** the environmental department partnered with I Love a Clean San Diego and Escondido Disposal to host trash clean up and waste diversion events. The MORe Plan was revised and completed in December of 2023.<br><br>**2022:** MORe Plan is underway, which includes targeted outreach to commercial, multifamily, and mobile home parks to adopt organics recycling. Bilingual presentations will be conducted with information on recycling. Between Jan., 2022 and Nov., 2022, the percent of multifamily residential properties and businesses not recycling went from 55% to 36%, and 80% to 49%, respectively. | 2023 |

# Strategy 8

Reduce and Recycle Solid Waste

**Measure: S-8.1** Increase Citywide Waste Diversion (Cont.)
Responsible Department(s): **Development Services, Public Works, and Utilities**
Staff Costs: **Medium**
Level of Effort: **High**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Completed* | Achieve 80 percent citywide waste diversion in 2030. | 23,588 | **2023:** diversion rate was approximately 30.8%, up 4.8% from 2022's diversion rate | 2030 |
| *Completed* | Achieve 90 percent citywide waste diversion in 2035. | 27,405 | **2022:** diversion rate was approximately 26%, up 1% from 2021 diversion rate | 2035 |

# Strategy 9

Carbon Sequestration

**Measure: C-9.1** Enforce Landscape Tree Requirements at New Developments
Responsible Department(s): **Development Services and Public Works**
Staff Costs: **Low**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Adopt an updated landscape ordinance and in-lieu tree planting program to fund new tree plantings such as an in-lieu program to offset trees plantings on highly constrained sites. | — | — | 2021 |
| *Not Yet Implemented* | Amend the updated landscape ordinance establish requirements for street and median trees and requirements for tree health (e.g. inspection, enforcement, and maintenance requirements). | — | — | 2021 |
| *Not Yet Implemented* | Plant and maintain 2,802 new trees at new developments by 2030. | 183 | — | 2030 |
| *In Progress* | Plant and maintain 4,076 new trees at new developments by 2035. | 239 | — | 2035 |

# Strategy 9

Carbon Sequestration

**Measure: C-9.2** Develop a Citywide Urban Forestry Program
Responsible Department(s): **Development Services and Public Works**
Staff Costs: **Low**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Pursue grant funding opportunities to fund the development of an Urban Forestry Program. | — | **2023:** The City received the U.S. Department of Agriculture (USDA) Urban and Community Forestry Grant which will help develop an Urban Forestry Management Program | 2021 |
| *In Progress* | Adopt an Urban Forestry Program with the goal of having one tree per resident in year 2088, which includes the following:<br>**a.** Complete an assessment of existing conditions and calculate canopy coverage percentage for the City and for priority investment neighborhoods ("PINs").<br>**b.** Establish a tree planting and replacement program to achieve coverage of at least 25 percent in residential areas and 15 percent in commercial and industrial areas.<br>**c.** Develop an urban heat island reduction program that includes an urban forest program or plan for priority investment neighborhoods ("PINs") that achieves a tree planting coverage of at least 35 percent. Expand and focus tree plantings in low- canopy neighborhoods and neighborhoods at a higher risk of adverse outcomes of urban heat island effects.<br>**d.** Encourage urban agriculture through edible landscapes within some publicly accessible areas. | — | **2023:** The City received the *U.S. Department of Agriculture (USDA) Urban and Community Forestry Grant* which will help develop an Urban Forestry Management Program, this will be the first step toward meeting the 2088 goal | 2025 |

# Strategy 9

Carbon Sequestration

**Measure: C-9.2** Develop a Citywide Urban Forestry Program (Cont.)
Responsible Department(s): **Development Services and Public Works**
Staff Costs: **Low**
Level of Effort: **Medium**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *In Progress* | Plant and maintain 1,010 new trees in public areas by 2030. | 36 | **2023:** 125 street trees were planted in partnership with Urban Corps of San Diego. The neighborhoods engaged were prioritized based on the City's Urban Surface Heat Viewer<br><br>**2022:** The City planted approximately 119 trees and removed approximately 70 trees due to tree health and/or public health and safety issues. This yielded a net increase of approximately 49 trees planted in 2022 | 2030 |
| | Plant and maintain 1,347 new trees in public areas by 2035. | 48 | | 2035 |

# Strategy 9

Carbon Sequestration

**Measure: C-9.3** Develop an Agricultural Land and Open Space Conservation Program
Responsible Department(s): **Development Services**
Staff Costs: **Medium**
Level of Effort: **Low**

| Status | Performance Metrics | GHG Reduction Potential ($MTCO_2e$) | Progress | CAP Implementation Date |
|---|---|---|---|---|
| *Not Yet Implemented* | Adopt a Williamson Act Incentive Program. | — | — | 2023 |
| *Not Yet Implemented* | Adopt a Community Garden Ordinance. | — | — | 2023 |
| *Not Yet Implemented* | Adopt an Open Space Conservation Program. | — | — | 2023 |
| *In Progress* | Update the Jurisdictional Runoff Management Plan (JRMP) to develop stream and riparian restoration program strategies and work to naturalize and/or protect creek watershed areas. | — | **2023:** The Environmental Programs team updates the JRMP on an annual basis. The JRMP was last updated January of 2023. | 2025 |
| *Not Yet Implemented* | Remove the development potential for at least 257 residential units on agricultural lands and open space areas by 2030. | 515 | — | 2030 |
| *Not Yet Implemented* | Remove the development potential for at least 400 residential units on agricultural lands and open space areas by 2035. | 762 | — | 2035 |

# Strategy A-1

Become a "Climate Smart" Leader

**Measure: 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

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *In Progress* | Annually monitor climate change research and best practices to improve the understanding of local climate change, weather-related emergencies and climate hazards, and to support climate change preparation efforts in local, state, and federal partners. | — | 2020 |
| *Not Yet Implemented* | Adopt established methods for projecting the lifecycle carbon emissions of land use and transportation investments and begin to prioritize projects that have the greatest potential to sustain future changes and changing weather related emergencies and climate hazards. | — | 2023 |
| *In Progress* | Assess climate impacts in the 2023 Multi-Jurisdiction Hazard Management Plan (MJHMP) update, incorporate social equity and environmental justice concepts to the extent practicable, and develop system wide approach to prepare for and respond to changing weather-related emergencies and climate hazard events. | **2023:** An update to the MJHMP is underway and includes language to address climate impacts such as extreme heat and drought | 2023 |
| *Not Yet Implemented* | Complete planning and establish priorities for plantings, materials, and infrastructure specifications that will be resilient to climate change hazards and be cost-effective over the lifetime of the asset in infrastructure design. | — | 2024 |
| *Not Yet Implemented* | Update the "2020 Escondido Climate Adaptation Study." | | 2025 |

# Strategy A-1

Become a "Climate Smart" Leader

**Measure: A-1.2** Make sure that everyone is given the opportunity to be prepared for the current and future risks that are exacerbated by climate impacts

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *In Progress* | Designate point of contact(s) to establish and maintain staff ability and capacity to ensure effective implementation and equitable outcomes of climate action efforts. Initiate interdepartmental education and planning with City staff to motivate and seek opportunities for creative partnerships to jumpstart priority actions. | The City hired a long-range planner (end of 2023) to work on CAP implementation as a part of their role. | 2020 |
| *Not Yet Implemented* | Identify and create collaborative partnerships with community-based organizations including vulnerable populations to broaden and diversify community engagement, and to support community-based initiatives that align with climate action planning priorities. | — | 2022 |
| *Not Yet Implemented* | Partner with interested organizations to develop a climate change adaptation public outreach and education program. Engage typically underrepresented vulnerable populations by creating neighborhood climate ambassador liaisons ("Climate Ambassadors"). Climate Ambassadors can conduct outreach and secure commitment in priority investment neighborhoods ("PINs") to support climate actions, initiate major initiatives, and coordinate investments, etc. | — | 2023 |

# Strategy A-1

Become a "Climate Smart" Leader

**Measure: A-1.2** Make sure that everyone is given the opportunity to be prepared for the current and future risks that are exacerbated by climate impacts (Cont.)

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *Not Yet Implemented* | Provide quality information and/or "how-to" resources for local climate adaptation using interactive approaches that may include competition, feedback, and recognition. Activities may include:<br>**a.** Provide free technical assistance to businesses.<br>**b.** Develop working groups with workforce development and training organizations to integrate green jobs into existing work.<br>**c.** Develop and implement a local green business program to provide recognition for business achievements.<br>**d.** Partner with business groups to conduct Fix-It Fairs or participate in street-fairs by engaging under-served businesses in learning about sector opportunities.<br>**e.** Hold regular workshops with building contractors on green building best practices. | — | 2025 |

# Strategy A-1

Become a "Climate Smart" Leader

**Measure: A-1.2** Make sure that everyone is given the opportunity to be prepared for the current and future risks that are exacerbated by climate impacts (Cont.)

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *In Progress* | Minimize health issues and disparities caused by weather-related emergencies and climate hazard events (such as extreme heat days), especially for populations most vulnerable to these impacts, by improving the preparation for and response from health, community service, public safety, and emergency staff, resources, and/or services. Actions may include:<br>**a.** Leverage partnerships and support organizations to provide assistance to vulnerable populations in high fire hazard areas.<br>**b.** Advertise outdoor worker protection measures, including heat safety and employment security.<br>**c.** Develop a cool zone plan in consultation with resident, business, and community groups and provide updates in conspicuous locations online and on social media when cool zones are activated.<br>**d.** Educate homeowners and tenants of multi-family housing about weatherization projects and the cost savings gained from energy efficient homes through training programs<br>**e.** Develop evacuation assistance plans and advertise their availability to vulnerable populations in hazard areas and be prepared to implement these plans as part of climate hazard-related emergency operations.<br>**f.** Utilize citywide publication and social media to reach a broad audience to advertise preparedness, risks of potential climate hazard events, and/or implementation status of these measures. | **2023:** On June 14 the City Council adopted Resolution No. 2023-64 which approved an update to the Hazard Mitigation Plan to include Extreme Heat as one of Escondido's top five hazards. The City has applied for FEMA grant to hire a consultant to write the Extreme Heat Action Plan | 2026 |

# Strategy A-1

Become a "Climate Smart" Leader

**Measure: A-1.3** Hardwire social equity and environmental justice into new programs and projects

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *In Progress* | Develop a specific strategy or plan to redress social equity disparities by prioritizing and targeting CAP implementation projects into the most vulnerable areas as defined by the "2020 Social Equity and Health Index Map". | As part of the 2022 General Plan Amendment, the City is began to develop an environmental justice element which seeks to address social disparities via policies, objectives, and goals. The project is paused and set to continue in 2024. | 2020 |
| *In Progress* | Maximize mitigation benefits locally by prioritizing Escondido community specific (i.e. local) mitigation for GHG emissions and biological impacts/ habitat loss. If no local mitigation credits or mitigation opportunities are available, allow project applicants to seek out regional solutions first. If no regional solutions are available then State solutions, with a preference to proximity. | — | 2020 |
| *In Progress* | Consider establishing equity considerations for recreation/parks programming, planning, engineering, and public works projects, such as:<br>**a.** Does the proposed action generate burdens either directly or indirectly to vulnerable populations? If yes, are there opportunities to avoid, minimize, or reduce those impacts?<br>**b.** Can the benefits of the proposed action be targeted in ways to reduce vulnerable population disparities?<br>**c.** Are the benefits of the proposed action broadly accessible to residents or businesses of vulnerable populations? | — | 2023 |

# Strategy A-1

Become a "Climate Smart" Leader

**Measure: A-1.4** develop working relationships with other agencies and continue to analyze climate impacts

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *In Progress* | Work with SANDAG and NCTD to make the regional transportation network more resilient, incorporate consideration of climate impacts as part of infrastructure planning and development, and prioritize transportation investments that have the capacity to adapt to climate change, while promoting social equity and environmental justice. | **2023:** The City participated in the Comprehensive Corridor Management Plan in conjunction with SANDAG and NCTD<br><br>**2022:** The City worked with NCTD to redevelop of the Escondido Transit Center into a mixed-use development | 2020 |
| *In Progress* | Work with law enforcement, CAL FIRE, City of San Marcos, County of San Diego, City of Vista, and City of Poway to ensure updates for wildfire hazard maps and reduce risk from high fire hazard areas.<br>**a.** Model future climate conditions to identify at-risk areas.<br>**b.** Develop effective response mechanisms and evacuation scenarios.<br>**c.** Identify areas within General Plan planning area where future development should be avoided, reconsidered, or mitigated, due to fire hazards. | — | 2022 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.1** Make sure that everyone has equitable access to healthy environments in which to live, work, and play

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *Not Yet Implemented* | Identify and create collaborative partnerships with community-based organizations (e.g. San Diego Food System Alliance, California Food Link, San Diego New Farmers Guild, etc.) to develop equitable programmatic resources to increase the production and consumption of home grown and locally-sourced food by supporting farmers' markets; expanding community gardens on public and private lands; and other forms of urban agriculture to:<br>**a.** Support more resilient local agriculture on school campuses and at other public institutions or assembly spaces (e.g. church grounds, etc.) to help mitigate climate change and adapt to its impacts.<br>**b.** Facilitate "Farm-to-School" programs for small farm-based businesses.<br>**c.** Create local food maps and food distribution plans to preserve the affordability of local and sustainable food systems to ensure food security, nutrition, and public health.<br>**d.** Support existing programs and/or create new programs to reduce investment risk and facilitate sustainable farming practices to connect more people to more local, farm-fresh foods. | — | 2022 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.1** Make sure that everyone has equitable access to healthy environments in which to live, work, and play (Cont.)

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *Not Yet Implemented* | Establish partnerships with local businesses and groups to provide educational opportunities for residents to gain skills in organic gardening, fruit production, composting, food preservation, and cooking healthy foods. | — | 2022 |
| *In Progress* | Review and update heat response plans to:<br>**a.** Coordinate operations of readily accessible cooling centers.<br>**b.** Recommend potential ways for property managers and homeowners' associations to implement Cool Zones.<br>**c.** Develop an "early warning system" and response plans that alert residents, businesses, and community members, especially those most vulnerable to heat, when projected heat conditions exceed 100 degrees. | **a. In Progress:** The City works with the County to establish cool zones every summer.<br>**b. Not yet implemented**<br>**c. Completed:** The City has had access to Alert San Diego for over 15 years. Alert San Diego is an "early warning system" that notifies residents of emergencies including extreme heat conditions. Both the City Communications Department and Fire use social media to get the word out about extreme heat, cool zones and information on how to stay cool and safe during extreme heat events. | 2023 |
| *Not Yet Implemented* | Develop incentives to increase the planting of fruit trees in appropriate areas on private property. | — | 2024 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.1** Make sure that everyone has equitable access to healthy environments in which to live, work, and play (Cont.)

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *In Progress* | Use regulatory and voluntary tools to increase access to neighborhood parks, passive parklands, parklets, and/or pop-up recreation programs to increase parkland coverage and/or expand equitable access to recreational opportunities. | 2023: The City adopted the *East Valley Specific Plan* which seeks to increase public park access among Escondido's most vulnerable populations | 2024 |
| *Not Yet Implemented* | Consider ways to improve equitable access to clean and sustainable energy. This could include the creation of a Clean Energy Equity Plan to support low-income residents and small organizations to purchase or obtain renewable energy. Also develop a program to engage with the Solar on Multi-Family Housing Program ("SOMAH") to support local green job training. | — | 2025 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.2** Create "climate safe and decent" housing options

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *Not Yet Implemented* | Increase the use of public and private roofs for rooftop gardens. Provide education on how private property owners can use rooftop gardens as an eco-friendly alternative to: bring greenery into a sterile space, provide a place to relax or grow food, delay stormwater runoff, and cool the building to reduce energy consumption. Expand green roof installations through outreach and incentives, such as the Stormwater Credit Fee. | — | 2020 |
| *Not Yet Implemented* | Update the building code to require new private buildings to have operable windows, providing choice levels of light, and wall-to-wall ventilation. | The City's Building Code was updated at the end of 2022 to incorporate the State Building Code updates. However, neither action was incorporated into the local update due to staff capacity and the State's process required for including such local requirements. These actions will be reassessed upon the 2025 CAP update to determine feasibility and better align with building standards. | 2023 |
| | Update the building code to mandate the installation of cool roofs on all new and retrofitted roofs on multi-family projects. | | 2023 |
| *Not Yet Implemented* | Pursue a green jobs plan component to the Clean Energy Equity Plan. | | 2025 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.2** Create "climate safe and decent" housing options (Cont.)

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *Not Yet Implemented* | Develop and implement a mitigation plan for power outages, which may include the following:<br>**a.** Adopt an ordinance that requires new senior housing or large care facilities to install air conditioning in all units and on-site home energy batteries and energy storage. The ordinance shall also require conversion projects to provide adequate on-site temperature-controlled spaces in indoor common areas, if any.<br>**b.** Adopt an ordinance that requires new affordable housing projects to install air conditioning in all units.<br>**c.** Require affordable rehabilitation projects or other conversions to provide adequate on-site temperature-controlled spaces in indoor common areas, if any. | — | 2027 |
| *In Progress* | Consider ways to reduce reliance on centralized sources for energy including:<br>**a.** Facilitate access to local, decentralized renewable energy by incorporating renewable energy projects into CCA or other community- wide renewable programs.<br>**b.** Complete a micro-grid feasibility study and begin implementation. | **2021:** The City Council adopted Resolution No. 2021-169 to join the Clean Energy Alliance (CEA) Oct. 27, 2021. The City of Escondido will receive energy from the CEA beginning in 2023. | 2028 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.3** Build capacity for adaptive neighborhoods

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *In Progress* | Utilize the "2020 High Fire Hazard Map" to better manage the risk of wildfires as a result of drier summers, especially in areas where homes are next to natural open space areas:<br>**a.** Enforce statutory standards for provision of defensible space inhibiting wildfire spread on private properties and implement brush clearing and fuel breaks to manage the potential spread of wildfire. Fuel breaks should be implemented in areas where they make sense with efforts to avoid or minimize impact to important habitat unless it is necessary to protect structures. Evaluate other ways to reduce risks in and around wildland-urban interface areas that are rated as high fire hazard areas, such as improving the quality and plant palette around wildfire prone areas, and/or other ways to reduce risks in and around high fire hazard areas.<br>**b.** Partner with SANDAG, other agencies, and North San Diego County cities for funding or acquisition and management of lands conserved for habitat protection and/or agricultural use.<br>**c.** Develop opportunities to transfer development rights from very high fire hazard are-as to less at-risk areas (e.g. urban infill areas, etc.) and/or seek other regulatory ways to incentivize land conservation or open space preservation.<br>**d.** When analyzing new residential projects in very high fire hazard areas, incorporate evacuation route planning into the analysis. Evaluate brush fire spread and wildland fire behavior characteristics that utilize a 60-mph prevailing wind factor at a minimum, or higher wind speeds, if documented, as necessary. | **a. In Progress:** The 2022 General Plan Amendment (GPA) will seek to reduce risk on fire prone areas. The GPA is on hold until fall of 2023. However, the Escondido Fire Department continues to provide Defensible Space Inspections (152 in 2023) as well as proactive Defensible Space Inspections in the Very High fire Severity areas (357 in 2023).<br>**b. Not yet implemented**<br>**c. In Progress:** The 2022 General Plan Amendment (GPA) will seek to reduce risk on fire prone areas. Element update.<br>**d. In Progress:** This type of information may be required during the discretionary entitlement phase. Additional standards/provisions will be incorporated into the City's Community Protection chapter of the General Plan in the forthcoming 2022 General Plan Amendment. | 2022 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.3** Build capacity for adaptive neighborhoods (Cont.)

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *Not Yet Implemented* | Adopt plant palettes in the Landscape Ordinance to with-stand drought conditions and promote plant-type resilience (in street and park trees, green roofs, etc.). Adopt a new tree code in the Landscape Ordinance that considers tree selections so that tree plantings are known to perform well in the general climate conditions, are climate resilient trees, and will increase canopy or vegetative cover. As part of the next CAP update, monitor tree canopy changes due to development and determine if policy and rule changes are needed. | — | 2024 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.3** Build capacity for adaptive neighborhoods (Cont.)

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *In Progress* | Utilize the "2020 Heat Vulnerability Map" to identify at-risk areas and help inform decisions and priorities about implementing ways to cool the urban environment. When evaluating pro-grams, projects, and infrastructure in at risk areas and priority investment neighborhoods ("PINs"), prioritize efforts that decrease the urban heat island effect, especially in areas with populations most vulnerable to heat, through strategies like revegetation, tree preservation, new plantings, depaving and porous pavement, green infrastructure, and site-specific development design. | **2023:** The City planted 125 trees as part of the *Free Tree Program*.<br><br>**2022:** In 2022, the Public Works Department partnered with Urban Corps of San Diego to conduct outreach to residents on the Free Tree Program with a goal of planting approximately 150 new street trees (to be planted in 2023). The neighborhoods engaged with were prioritized based on the City's *Urban Surface* | 2024 |
| *In Progress* | Coordinate a more integrated approach to flood or water-surge event planning and consider new innovative ways to adapt to climate impacts, including the following:<br><br>**a.** Update the Jurisdictional Runoff Management Program (JRMP) to develop stream and riparian restoration program strategies and work to naturalize and/or protect creek water-shed areas.<br>**b.** Implement a program that systematically identify areas with underserved storm drains and secure funding for their upsizing.<br>**c.** Increase resilience of natural systems by keeping natural resources areas and establish a fund to acquire or protect land in particularly vulnerable areas. | **a. 2023:** The City completed an annual update of the JRMP. The City also completed the Kit Carson Creek Restoration Vision Plan to identify problem areas and promote water quality.<br>**b. In Progress:** The City's Engineering Division applied for a $34 million grant for State and Federal funds that was awarded in 2023 for the East Valley and Midway Drainage System Project—a comprehensive effort to bring property owners out of certain FEMA flood zone areas to alleviate flooding and insurance burdens. The proposed area for the project would serve multiple PINs within the City.<br>**c. Not yet implemented** | 2025 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.3** Build capacity for adaptive neighborhoods (Cont.)

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *Not Yet Implemented* | Develop, adopt, and implement integrated plans for mitigating climate impacts in wildland-urban interface areas that include, but are not limited to the following:<br>● Collaborate with agencies managing public lands to identify, develop, or maintain corridors and linkages between undeveloped areas.<br>● Use purchase of development rights or conservation easements to protect climate-vulnerable habitats.<br>● Develop, adopt, and implement integrated plans for mitigating wildfire impacts in the wildland-urban interface.<br>● Assess the financing capabilities and implementation feasibility of the Multiple Habitat Conservation Plan ("MHCP") or open space management. | — | 2027 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.4** Build a sustainable and resilient transportation network

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *In Progress* | Work with NCTD to build more bus shelter amenities to help prevent health effects from long sun exposure and incentivize usage of public transportation. | **2022:** The City constructed 2 new bus shelters | 2023 |
| *In Progress* | Evaluate and pursue stable funding sources and financing strategies to accelerate and sustain natural and green infrastructure within the public right-of-way. | **2022:** The City is working with Greenprint Partners and the San Diego Regional Policy & Innovation Center to pursue funding for a green infrastructure project within the City | 2024 |
| *In Progress* | Conduct walk audits around prioritized schools, transit boarding areas, and parks to encourage Safe Routes to Schools, Transit, and Parks. | **2023:** Staff conducted 6 walk audits in prioritized schools as part of *Comprehensive Active Transportation Strategy* (CATS). There are four additional walk audits scheduled to be conducted in 2024. | 2025 |
| *In Progress* | Give greater weight to investing in improvements to transportation infrastructure that are projected to be affected by multiple climate changes and/or build in flexible options that can adapt to changing conditions. | In 2023, Awarded FEMA/CalOES $34-million in hazard mitigation grant funding to improve the East Valley and Midway drainage systems. This area is considered at risk for fire and flooding conditions. | 2026 |
| *In Progress* | 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. | CAP annual monitoring reports can be found here online at: *Climate Action Plan (2021) \| Escondido, CA* | March 2022 |

# Strategy A-2

Build Thriving and Resilient Neighborhoods

**Measure: A-2.4** Build a sustainable and resilient transportation network (Cont.)

| Status | Adaptation Action | Progress | CAP Implementation Date |
|---|---|---|---|
| *Not Yet Implemented* | Establish Climate Commission: formal advisory group to help provide ongoing program support and guidance. | — | 2021 |
| *Not Yet Implemented* | Receive updated GHG inventory from SANDAG; if no data is received then the City will need to develop an updated emissions inventory by 2022. | **Action:** SANDAG is working to update their GHG inventory as part of the 2025 update to the Regional Transportation Plan. Due to limited capacity, staff have not been able to update Escondido's emission inventory. | 2021 |
| *Not Yet Implemented* | Hire a full-time sustainability or climate coordinator. | **Action:** In 2023, the City hired a long-range planner to work on implementing the CAP. However, the position works on all long-range planning projects, not just the CAP. To ensure swift implementation of the CAP, the City would need to hire a full-time sustainability coordinator. | — |
| *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. | — | End of 2025 |