



CLIMATE ACTION PLAN

2019 Annual Progress Report

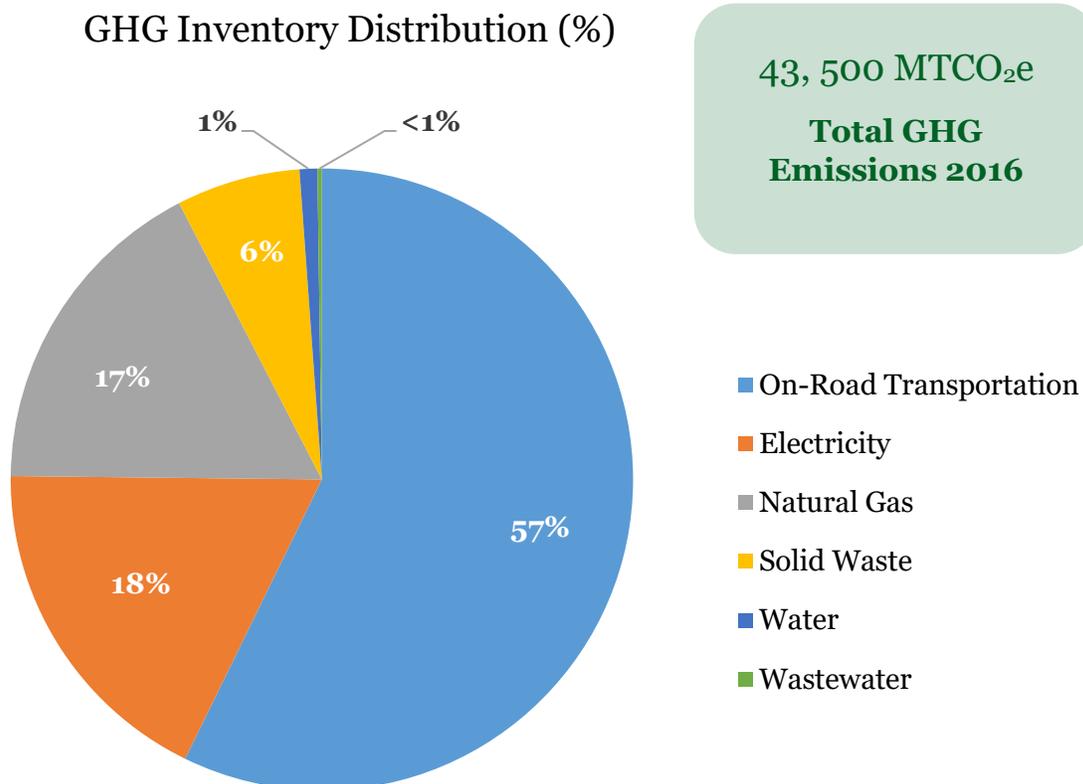


January 2020

Introduction

The City of Del Mar (City) adopted a [Climate Action Plan \(CAP\)](#) in June 2016. The CAP outlines how the City will reduce greenhouse gas (GHG) emissions and improve its resilience to climate change over the long term to ensure a safe, healthy, and vibrant future. The CAP includes a baseline GHG emissions inventory for the 2012 calendar year; GHG reduction targets for 2020 and 2035; and goals, measures, and strategies in four key policy sectors (Energy and Buildings, Water and Waste, Transportation, and Urban Tree Planting) that focus on GHG reductions for communitywide activities. The CAP also includes a Social Equity chapter that aims to ensure energy savings for all residents and support local jobs in the energy sector.

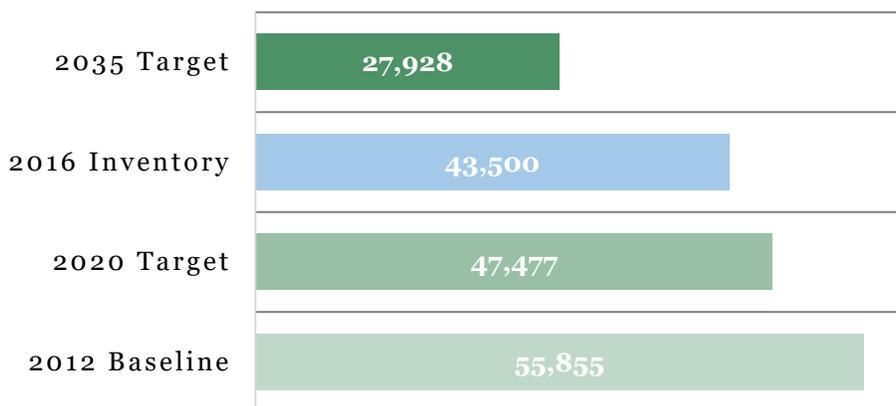
A GHG inventory is necessary to assess the City's progress towards CAP targets and inform future CAP actions and policy decisions. In November 2019, the City received a [Snapshot of the 2016 GHG inventory](#) from the San Diego Association of Governments (SANDAG) via its Roadmap Program, showing the City's total GHG emissions based on current data and assumptions, measured in metric tons of carbon dioxide equivalent (MTCO₂e). The 2016 GHG inventory allows the City to monitor GHG emissions occurring in the City over time, and how CAP implementation is affecting overall emissions rates for each emission category, as seen below.



In 2019, the City made significant progress in implementing a number of GHG reduction measures to help achieve its CAP goals, prioritizing efforts based on cost, existing capacity and

overall resources, the total GHG reduction potential associated with implementation, and how quickly those efforts would yield benefits. Measures with the greatest emissions reduction potential, such as a Community Choice Energy program, were prioritized. Due to these efforts and additional ongoing climate action at the regional and state level, **Del Mar achieved its 2020 GHG emissions target of 47,477 MTCO₂e ahead of schedule and has reduced emissions from the baseline 2012 year by over 12,355 MTCO₂e.** While the City is progressing towards its 2035 target, it will continue to works towards broader implementation of CAP strategies.

Del Mar GHG Emissions (MTCO₂)



The 2019 CAP Annual Progress Report is a summary of the progress made in 2019 towards implementing the City’s CAP to further reduce GHG emissions. It emphasizes key City actions by policy sector and summarizes CAP progress, aiming to engage the public in understanding the CAP and its supporting actions, what the City is doing to advance CAP efforts, and how stakeholders and the San Diego region can be involved.

2019 City Action Highlights

2019 served as a foundational year for CAP strategy planning and building capacity for wider implementation of a greater number of GHG reduction measures for the City. Prioritizing these efforts strengthens the City’s ability to make the greatest impact going forward. City Action Highlights from 2019 include:

- Developed a CAP Monitoring Tool for tracking and reporting CAP progress with inputs from GHG inventory data and city-sourced information, to be brought to the City Council and made public in Quarter 1 of 2020.
- Created an updated CAP Implementation Plan, to be brought to City Council and made public in Quarter 1 of 2020.
- The City’s [Sustainability Advisory Board \(SAB\)](#), a group of City Council appointed residents who advise on environmental issues, developed five subcommittees to

provide focused work on CAP reduction measures by sector and strategies for community outreach.

Energy and Buildings

- Pursued and established a Community Choice Energy Joint Powers Authority, a key strategy for reaching CAP Goal 7: Renewable Energy Supply:
 - Participated in a joint evaluation of governance structures for a CCE program with the Cities of Encinitas and Carlsbad.¹
 - Completed a CCE Technical Feasibility Study and adopted a Resolution expressing its intent to participate in a Community Choice Energy program.²
 - Adopted an ordinance authorizing the implementation of a CCE program in the City.³
 - Authorized the execution of a Joint Powers Authority (JPA) agreement between the Cities of Del Mar, Carlsbad and Solana Beach, creating the Clean Energy Alliance (CEA) CCE program, to launch in 2021.³
 - Formed the CEA JPA and held the first Board meeting.⁴
 - Adopted a CCE Implementation Plan, hired an Interim CEO and held two additional Board meetings.⁵
- Conducted data monitoring and public outreach, in partnership with the Center for Sustainable Energy, throughout 2019, the first year of operation of the new Civic Center's 71-kW photovoltaic (PV) system, comprised of 199 high-efficiency 360-watt SunPower modules and a 120-kW/hour energy storage system.⁶



22% Reduction in Emissions from Energy Use since 2012⁷

Water and Waste

- Adopted a Construction and Demolition Recycling Ordinance requiring 65% of waste generated during construction be diverted.⁸
- Completed the Downtown Streetscape Project, which included the installation of additional recycling receptacles to increase diversion.⁹
- Passed an ordinance to prohibit the usage of plastic straws and stirrers, and the distribution of paper, biodegradable or reusable straws unless requested by the customer.¹⁰
- Utilized services from Solana Center for Environmental Innovation, including the introduction of an organics composting pilot program, Food Cycle, for ten Del Mar residents, diverting approximately 3,600 lbs. of food waste annually.¹¹

- Conducted Less to Landfill audits at seven Del Mar restaurants to assess food waste diversion needs and progress, as well as to collect data on organic waste.
- Updated the Go Green Del Mar portion of the City’s website to enhance information about organic waste, including waste reduction tips, and available local resources for food recovery.¹²



59% of Del Mar Waste is Diverted Community-wide¹³

Transportation

- Completed the Downtown Streetscape Project, in an effort to expand the use of alternative forms of transportation and minimize single occupancy vehicles, conforming with the concepts of the Complete Streets policy.¹⁴
 - Project included the installation of 14 new bike racks, safer pedestrian and bicycle access through expanded bike lanes extending Northbound and Southbound with a minimum width of five feet, and increased pedestrian signage and crossings.⁹
 - Five parking spaces designated as “EV Parking Only” along Camino Del Mar to encourage the use of zero emission vehicles.
- Continued participation in the development of a regional pilot bike share program with the cities of Solana Beach, Encinitas, Carlsbad, Oceanside, as well as SANDAG, the North Coast Transit District (NCTD), and Camp Pendleton (anticipated launch date in summer 2020).
- Reviewed SDG&E’s Medium-Duty and Heavy-Duty EV Charging Infrastructure Program, assessing feasibility for the City of Del Mar’s fleet in anticipation of future replacements.



6 Miles or 25% of Del Mar Road Miles are Bicycle Lanes¹⁵

Urban Tree Planting

- The SABs Urban Tree Subcommittee drafted recommendations for adopting robust urban forest implementation and management best practices that will be presented to City Council for consideration after further review by the SAB in 2020.
- Hosted the “Fighting Climate Change & Wildfire Risks with a Resilient Urban Forest” event to gain insight from the Rancho Santa Fe Association’s Forest Health and Preservation and Fire Preparedness Initiative.¹⁶

- Compiled a list of grant opportunities for the City to explore to gain funding for implementation measures that will increase tree canopy in Del Mar.



Drafted Urban Forest Preservation & Growth Actions

Social Equity

- Developed and implemented the Del Mar Home Energy Savings (HES) Program with funding from SDG&E’s Energy Efficiency Program.¹⁷
 - Collaborated with established community groups such as Del Mar Community Connections (DMCC) to implement the HES Program, conducting outreach to the targeted population of low- and fixed-income seniors of Del Mar.
 - Conducted door-to-door promotion of energy-efficiency upgrades and support through the HES Program, reaching 27 residents and attempting 140 residences.
 - Provided in-home energy audits to seven senior Del Mar residents, providing assessments on potential energy efficiency upgrades and information on subsidy programs, rebates and incentives.



Reached 55 Seniors with Home Energy Savings Outreach¹⁷

CAP Activity Summary

The City continues to implement a number of GHG reduction actions to help achieve the goals outlined in the CAP. These actions are identified below in the table of completed CAP measures and supporting activities that resulted in reduced GHG emissions. Activities highlighted in blue were completed in 2019, the reporting year.

Action	Date Implemented
Energy & Buildings	
Adopted a CCE Implementation Plan and hired an interim CEO.	December 2019
Formed the CEA JPA and held the first CEA Board meeting.	November 2019

Authorized the execution of a Joint Powers Authority (JPA) agreement between the Cities of Del Mar, Carlsbad and Solana Beach, creating the Clean Energy Alliance (CEA) CCE program, to launch in 2021.	October 2019
Adopted an ordinance authorizing the implementation a Community Choice Energy (CCE) program in the City.	October 2019
Participated in a joint evaluation of governance structures for a CCE program with the Cities of Encinitas and Carlsbad.	September 2019
Completed a CCE Technical Feasibility Study and adopted a Resolution expressing its intent to participate in a Community Choice Energy program.	April 2019
Conducted data monitoring and public outreach, in partnership with the Center for Sustainable Energy throughout 2019, the first year of operation of the new Civic Center's PV system.	2019
Funded and participated in a joint Community Choice Aggregation (CCA) Feasibility Study with the cities of Carlsbad, Encinitas, and Oceanside.	November 2018
Completed the new Civic Center with a 71-kW photovoltaic (PV) system, comprised of 199 high-efficiency 360-watt SunPower modules and a 120-kW/hour energy storage system.	October 2018
Adopted mandatory CalGreen Tier 1 building standards for all new commercial construction.	June 2018
Water & Waste	
Completed the Downtown Streetscape Project, which included the installation of additional recycling receptacles to increase diversion.	November 2019
Updated the Go Green Del Mar portion of the City's website to enhance information about organic waste, including waste reduction tips, and available local resources for food recovery.	October 2019
Adopted a Construction and Demolition Recycling Ordinance requiring 65% of waste generated during construction be diverted.	August 2019
Hosted a composting workshop in Del Mar to encourage food waste diversion and educate residents.	June 2019
Adopted an ordinance to prohibit the usage of plastic straws and stirrers, and the distribution of paper, biodegradable or reusable straws unless requested by the customer.	March 2019

Introduced an organics composting pilot program, Food Cycle, for ten Del Mar residents, through collaboration with the Solana Center.	February 2019
Conducted Less to Landfill audits (seven completed as of December 2019) at Del Mar restaurants to assess food waste diversion needs and progress, as well as to collect data on organic waste.	2019
Distributed outreach to all commercial and multifamily properties in Del Mar, communicating the importance of food and green waste diversion and resources to support businesses in doing so.	2019
Passed an ordinance to regulate the use of Expanded Polystyrene (EPS) and non-recyclable plastic disposable food service ware. ¹⁸	December 2018
Worked with Surfrider Foundation to encourage Del Mar restaurants to become Ocean Friendly Restaurants (OFR).	2018
Established City policy to prohibit single-use plastic water bottles at City facilities and City-sponsored events.	2018
Worked with Solana Center for Environmental Innovation to improve the City's organic recycling program and community engagement.	Ongoing
Worked with Waste Management to pursue long-term organics recycling and expand the City's recycling education and outreach efforts.	Ongoing
Hosted Del Mar Recycles events twice annually.	Ongoing
With support from the SAB, enhanced recycling capacity at Powerhouse and Seagrove Parks by purchasing additional recycling containers with the use of CalRecycle grant funds.	Ongoing
Transportation	
Completed the Downtown Streetscape Project, in an effort to expand the use of alternative forms of transportation and minimize single occupancy vehicles, conforming with the concepts of the Complete Streets policy. Included the installation of 14 new bike racks, safer pedestrian and bicycle access through expanded bike lanes extending Northbound and Southbound with a minimum width of five feet, and increased pedestrian signage and crossings. Five parking spaces designated as "EV Parking Only" along Camino Del Mar to encourage the use of zero emission vehicles.	November 2019
Continued participation in the development of a regional pilot bike share program with the cities of Solana Beach, Encinitas, Carlsbad,	2019

Oceanside, as well as SANDAG, the North Coast Transit District (NCTD), and Camp Pendleton.	
Installed five Level 2 EV charging stations at the Civic Center garage. ¹⁹	October 2018
Explored SDG&E’s Medium-Duty and Heavy-Duty EV Charging Infrastructure Program, assessing feasibility for the City’s fleet.	Ongoing
Urban Tree Planting	
Hosted the “Fighting Climate Change & Wildfire Risks with a Resilient Urban Forest” event to gain insight from the Rancho Santa Fe Association’s Forest Health and Preservation and Fire Preparedness Initiative.	November 2019
SAB’s Urban Tree Subcommittee drafted recommendations for adopting robust urban forest implementation and management best practices that will be presented to City Council for consideration after further review by the SAB in 2020.	2019
Compiled a list of grant opportunities for the City to explore to gain funding to implement measures that will increase tree canopy in Del Mar.	2019
Social Equity	
Developed and implemented the Del Mar Home Energy Savings (HES) Program with funding from SDG&E’s Energy Efficiency Program.	2019
Collaborated with established community groups such as Del Mar Community Connections (DMCC) to implement the HES Program, conducting outreach to the targeted population of low- and fixed-income seniors of Del Mar.	2019
Conducted door-to-door promotion of energy-efficiency upgrades and support through the HES Program, reaching 27 residents and attempting 140 residences.	2019
Provided in-home energy audits to seven senior Del Mar residents, providing assessments on potential energy efficiency upgrades and information on subsidy programs, rebates and incentives.	2019
Added a new CAP chapter on Social Equity. ²⁰	May 2018
Developed and submitted a request under SDG&E’s MSA Energy Efficiency Program to fund an outreach program to seniors and low-income residents of Del Mar to introduce subsidy programs, perform in	2018

home energy audits, and assist clients in applying for rebates and/or subsidies.	
General	
Developed a CAP Monitoring Tool for tracking and reporting CAP progress with inputs from GHG inventory data and city-sourced information.	2019
SAB developed five subcommittees to provide focused work on policy sectors and strategies for community outreach.	2019
Created an updated CAP Implementation Plan to be brought to City Council and made public in Quarter 1 of 2020	2019
Published the City's updated "Go Green Del Mar" webpage; a significant update to the previous "Sustainable Del Mar" webpage.	October 2018

Looking Ahead

As the City continues to work towards achieving its CAP goals, continued monitoring and reporting is crucial to understanding progress made and gaps in implementation. In the first quarter of 2020, the City will produce a publicly-available CAP Monitoring Report that evaluates the progress of each of the CAP goals, measure by measure, and utilizes the 2016 GHG inventory and new CAP Monitoring Tool. It will identify ways to adapt implementation to strengthen GHG reduction activities and provide information for the City to develop a work plan that is focused on strategies with the greatest impact and filling gaps in implementation in 2020.

What You Can Do

Reaching the CAP emissions targets is not something the City can do alone. It requires collaboration from key stakeholders and participation from residents and local businesses. Continued engagement with the community and its participation are critical components in successfully achieving progress towards meeting GHG reduction goals. While the CAP focuses on strategies in which the City has a primary role, several measures require partnerships, collaboration, and public action in order to be effective.

SAB was established to assist the City Council in promoting clean and reliable energy and in taking a leadership position in educating Del Mar residents and businesses about sustainability. The SAB's current efforts are centered around implementation of the Climate Action Plan, as well as other environmental issues of relevance to the City of Del Mar. If you would like to get involved with the SAB, please attend one of the [SAB's monthly meetings](#), open to the public and held on the second Monday of each month at 5:00 p.m. in the Del Mar Town Hall.

In order to create a sustainable community for all residents, businesses, visitors, and other stakeholders, the City is eager to continue working towards the CAP goals and strengthen community participation in these efforts. To learn more about the City of Del Mar’s Climate Action Plan and how you can be involved in reducing GHG emissions, in your home and business or through community efforts, please visit [Go Green Del Mar](#) on the City’s website.

Key Partners



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- ¹ CCE Governance Analysis Report http://www.delmar.ca.us/DocumentCenter/View/5836/Attachment-A_Final-North-SD-Cities-Governance-Report
 - ² CCE Technical Feasibility Study http://www.delmar.ca.us/DocumentCenter/View/5452/Attachment-A_CCE-Feasibility-Study-Final-Draft
 - ³ Adoption of an Ordinance to Implement a Community Choice Aggregation Program http://www.delmar.ca.us/DocumentCenter/View/6019/Item-7---Adoption-of-CCE-Ordinance_2nd-Reading
 - ⁴ CEA Meeting Agenda 11-5-2019 <http://www.delmar.ca.us/AgendaCenter/ViewFile/Agenda/11052019-2251>
 - ⁵ CEA Meeting Agenda 11-19-2019 <http://www.delmar.ca.us/AgendaCenter/ViewFile/Agenda/11192019-2269>
 - CEA Meeting Agenda 12-19-2019 <http://www.delmar.ca.us/AgendaCenter/ViewFile/Agenda/12192019-2303>
 - ⁶ Civic Center Energy Enhancements Project <http://www.delmar.ca.us/758/The-Civic-Center-Energy-Enhancements-Pro>
 - ⁷ Percentage Decrease Calculated from 2012 Baseline GHG Emissions Data used in the CAP and the 2016 GHG Inventory Data in the ReCAP Snapshot <https://www.delmar.ca.us/DocumentCenter/View/6244/Regional-Climate-Action-Planning-Framework-ReCAPSnapshot---November-2019?bidId=>
 - ⁸ Construction and Demolition Waste Recycling <http://www.delmar.ca.us/762/Construction-and-Demolition-Waste-Recycl>
 - ⁹ Downtown Streetscape Project <http://www.delmar.ca.us/617/Downtown-Streetscape>
 - ¹⁰ Adoption of Ordinance to Regulate the Use of Plastic Straws https://www.delmar.ca.us/DocumentCenter/View/5239/Item-9---Plastic-Straw-Ordinance_2nd-Reading-Full-Packet-PDF
 - ¹¹ Food Cycle http://www.delmar.ca.us/DocumentCenter/View/5550/Food-Cycle_Residents?bidId=
 - ¹² Go Green Del Mar <http://www.delmar.ca.us/680/Go-Green-Del-Mar>
 - ¹³ Del Mar Waste Diversion Percentage from the 2016 GHG Inventory in the ReCAP Snapshot <https://www.delmar.ca.us/DocumentCenter/View/6244/Regional-Climate-Action-Planning-Framework-ReCAPSnapshot---November-2019?bidId=>
 - ¹⁴ Complete Streets Policy <http://www.delmar.ca.us/DocumentCenter/View/3303/114--Complete-Streets-Policy-PDF?bidId=>
 - ¹⁵ Miles of Bicycle Lanes and Percentage of Del Mar Road Miles from the 2016 GHG Inventory in the ReCAP Snapshot <https://www.delmar.ca.us/DocumentCenter/View/6244/Regional-Climate-Action-Planning-Framework-ReCAPSnapshot---November-2019?bidId=>
 - ¹⁶ Fighting Climate Change and Wildfire Risks <http://www.delmar.ca.us/calendar.aspx?eid=3034>
 - ¹⁷ Anticipated HES Program Report to become publicly available on the City's website in Quarter 1 of 2020.
 - ¹⁸ Adoption of Ordinance to Regulate the Use of Expanded Polystyrene <https://www.delmar.ca.us/DocumentCenter/View/5365/Expanded-Polystyrene-Ban-Ordinance-PDF>
 - ¹⁹ Del Mar City Operations Go Green <http://www.delmar.ca.us/678/Del-Mar-City-Operations-Go-Green>
 - ²⁰ Item 10 – Social Equity Chapter for CAP <http://www.delmar.ca.us/AgendaCenter/ViewFile/Agenda/05072018-1754>