



County of San Diego

2019

Climate Action Plan

ANNUAL MONITORING REPORT





MAKING PROGRESS ON Climate Action



Welcome to the County of San Diego's 2019 Climate Action Plan Annual Monitoring Report!

The County of San Diego (County) is committed to advancing sustainability in our region by implementing the Climate Action Plan (CAP), a variety of programs and initiatives designed to reduce our carbon footprint and protect natural resources. During 2019, we made tremendous progress with these efforts, in anticipation of the 50th anniversary in 2020 of Earth Day, a worldwide celebration of commitment to the environmental protection of our planet. This report highlights the achievements of 2019 as the County continues to implement its 2018 CAP in order to reduce greenhouse gas (GHG) emissions from County operations and the unincorporated region of San Diego.

Data indicates that the County is on track to meet or exceed the 2020 GHG emissions reduction target and provides an early look at progress toward the 2030 GHG target. Highlights of the County's sustainability programs from 2019 are below.

Community Engagement

Working with regional partners, the County encouraged residents to explore and learn about energy efficiency, habitat protection, recycling and reuse, clean agricultural technology, and sustainable farming practices at several public events held during the year. Empowering the public with valuable information and resources is at the core of how the County delivers services.

Roadmap to Cleaner Vehicles

To improve air quality and health, and provide long-term economic benefits, the County approved the Electric Vehicle (EV) Roadmap, which outlines policies and programs that increase EV adoption and the installation of charging infrastructure throughout the unincorporated region and beyond.

Climate Resilient and Adaptive Communities

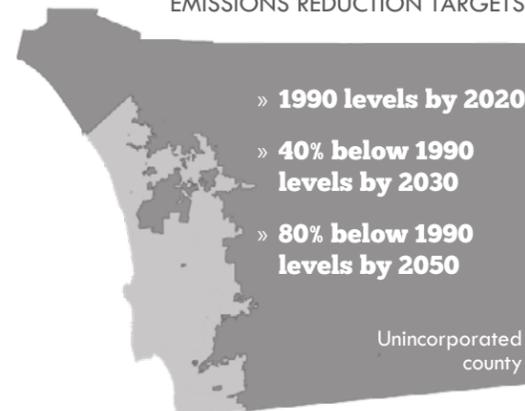
The County worked with experts and stakeholders to increase resiliency and better protect communities from impacts related to climate change such as extreme heat, drought, and wildfires. The County developed a wildfire resilience plan and wildfire preparedness plans for schools. In support of these efforts, County parks are planting native trees resistant to drought and some pests, increasing community resiliency. In addition, online permits are now available for residential battery systems, which can provide continuous power supply during power outages.

Beyond 2019, the County's climate action planning continues full steam ahead and is focused on the future by working with agencies, communities, and businesses in the region to increase the production of renewable energy, improve water efficiency, increase the use of sustainable agriculture practices, protect natural habitats, expand electrification of the transportation network, encourage the use of telecommuting, reduce food waste, and develop new programs to reduce our GHG emissions and increase our resilience to impacts related to climate change.



DID YOU KNOW? San Diego County is the first county in California and second in the nation to receive the U.S. Green Building Council's Platinum certification – its highest distinction – in its LEED for Communities program.

COUNTY OF SAN DIEGO GHG EMISSIONS REDUCTION TARGETS



Reductions target activities in the unincorporated county (in dark gray) and the approximately 430 County facilities throughout the region located across 19 jurisdictions.

WHAT'S INSIDE Table of Contents

- Climate Action Progress **3**
- Built Environment + Transportation **4**
- Energy **6**
- Solid Waste **8**
- Water + Wastewater **10**
- Agriculture + Conservation **10**
- Electric Vehicle Roadmap **12**
- Outreach + Engagement **14**
- Achievement Awards **16**
- What You Can Do **17**



Guide to this Report

WHAT YOU'LL FIND IN EACH SECTION

This report includes a section for each of the five emissions sectors in the CAP, and provides a snapshot of achievements made through calendar year 2019.

METRICS
Measurable 2019 outcomes

ACHIEVEMENTS
2019 success stories

SECTOR INTRO
Intro to each CAP sector, efforts, and progress made

DID YOU KNOW?
Interesting facts

DESTINATION 2030
A look ahead to future County policy, actions, and efforts

COUNTY OF SAN DIEGO Climate Action Plan

The Climate Action Plan (CAP) reduces greenhouse gas emissions through **26 enforceable, achievable, and quantifiable measures within five sectors:**



BUILT ENVIRONMENT & TRANSPORTATION

- Growth management
- Land conservation
- Street improvements
- Fleet efficiency

ENERGY

- Efficiency projects
- Conservation
- Green building
- Renewable energy generation
- Solar permitting

SOLID WASTE

- Reduction
- Reuse
- Recycling
- Composting
- Education

WATER & WASTEWATER

- Conservation
- Water-wise landscaping
- Rainwater harvesting

AGRICULTURE & CONSERVATION

- Tree planting
- Equipment replacement



WHAT IS MEASURED

From solar panels installed on homes in Borrego Springs to capturing rain in Jamul, we track how all 26 County CAP measures contribute to our GHG reduction targets. In 2019, 10 measures were quantified to track progress toward the 2020 target. The remaining 16 measures require the development of programs, plans, or ordinance updates to meet the 2030 target. You can find our quantified progress on the 10 measures on the next page, and detailed info about all of our measures at our [website](https://www.sandiegocounty.gov/sustainability).



HOW IT IS MEASURED

You can't count what you don't measure. The County measures progress toward the 2020 target by capturing the number of acres of agricultural easements preserved, fleet fuel consumption, energy consumed, solar permitted, renewable energy produced, water consumed, rain barrels distributed, irrigation pumps converted, and trees planted since our baseline year (2014), when our first GHG inventory was prepared. We use that data as an input into a GHG emissions calculator we developed to measure emissions reductions. This allows us to identify where our work is most effective and devote resources to achieve future targets.



HOW THE CAP ADAPTS

The County reports annually on the CAP, completes GHG emissions inventories every two years, and updates the CAP every five years (beginning in 2025). Continual monitoring allows the CAP to adapt as new programs and technology become available, accommodating changes in legislation, and course correcting for measures that may be underperforming or overperforming.



VISIT THE CAP ONLINE

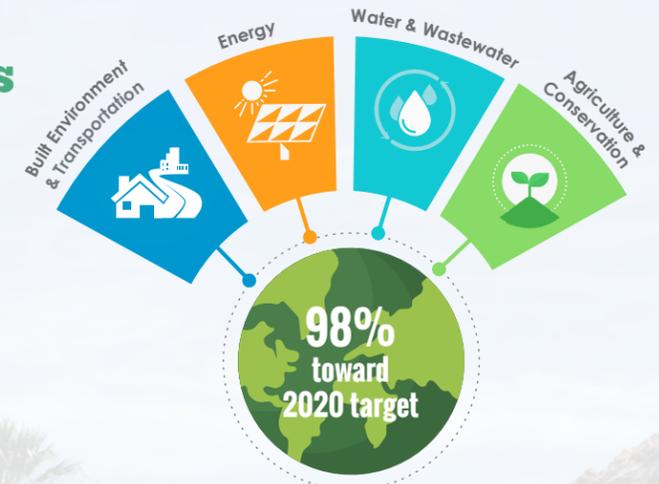
Learn more about the status of each CAP measure and the 2020 and 2030 targets, read stories about recent efforts, and explore County programs.



Check out our Climate Action Plan website at: [sandiegocounty.gov/sustainability](https://www.sandiegocounty.gov/sustainability)

MONITORING Climate Action Plan Progress

In 2019, the County reduced **130,075 MTCO₂e¹** of greenhouse gas emissions through 10 quantified measures listed in the table below within the built environment & transportation, energy, water & wastewater, and agriculture & conservation GHG emissions sectors. Find status updates on all 26 measures online at [sandiegocounty.gov/sustainability/dashboard](https://www.sandiegocounty.gov/sustainability/dashboard).



2019 = 130,075 MTCO₂e REDUCTION
2020 target = 132,205 MTCO₂e REDUCTION

County GHG reductions were equivalent to reducing the emissions from 14,636,548 gallons of gasoline!²

¹ Metric tons of carbon dioxide equivalent is the standard unit of measurement for GHG monitoring and evaluation.

² U.S. EPA, Greenhouse Gas Equivalencies Calculator, 2020

	CAP MEASURES WITH 2020 TARGET	2020 TARGET	PROGRESS THROUGH 2019	STATUS
	T-1.1 Acquire Conservation Land	2,622 acres	4,897 acres (6,237 MTCO ₂ e)	Exceeded target
	T-1.2 Acquire Agricultural Easements	443 acres	1,185 acres (761 MTCO ₂ e)	Exceeded target
	T-3.4 Reduce County's Fleet Emissions	10% reduction	13% reduction (3,370 MTCO ₂ e)	Exceeded target
	E-1.4 Reduce County Energy Use Intensity	10% reduction	23% reduction (10,413 MTCO ₂ e)	Exceeded target
	E-2.3 Install Solar on Existing Homes	52,273 homes	48,547 homes (106,331 MTCO ₂ e)	93% toward target
	E-2.4 Generate On-Site Renewable Energy for County Operations	10% renewable	6.2% renewable (2,057 MTCO ₂ e)	62% toward target
	W-1.3 Reduce County Water Consumption	15% reduction	15.5% reduction (219 MTCO ₂ e)	Exceeded target
	W-2.1 Increase Rain Barrel Installations	Install 1,200	7,795 installed (64 MTCO ₂ e)	Exceeded target
	A-1.2 Convert Irrigation Pumps to Electric	Convert 4 pumps	0 pumps (0 MTCO ₂ e)	Monitoring
	A-2.2 Increase County Tree Planting	Plant 14,000 trees	17,591 planted (623 MTCO ₂ e)	Exceeded target

2019 = 130,075 MTCO₂e REDUCTION

Find a detailed status of each CAP measure, target, and implementation approach at: [sandiegocounty.gov/sustainability/dashboard](https://www.sandiegocounty.gov/sustainability/dashboard)

Action + Progress

COUNTY ADVOCATES FOR ELECTRIC VEHICLES

Electric vehicles (EV) provide several environmental, health, and economic benefits. EVs produce zero tailpipe emissions that significantly lower GHG emissions related to driving. This leads to improved air quality which can also improve health outcomes for the region. Additionally, many EVs are as affordable as gasoline-powered vehicles because they require little or no maintenance. EV operation and maintenance costs can be up to 50% lower than conventional vehicles.

In 2019, the County approved an Electric Vehicle Roadmap that sets new County and regional goals for the installation of public charging stations and programs to increase EV ownership throughout the unincorporated county.

For further information about the County's Electric Vehicle efforts, please look ahead to page 12.



Built Environment + Transportation

Transportation-related GHG emissions are responsible for about 43% of the total emissions produced in the unincorporated area. Two strategies to reduce these emissions include the **Purchase of Agricultural Conservation Easements Program (PACE)** and **Multiple Species Conservation Program (MSCP)**. Preservation and conservation programs are important tools to decrease emissions because land that is preserved for agricultural and conservation uses will not result in developed uses that would produce GHGs.

The County is in the process of expanding the PACE program to qualify more agricultural lands than ever and provide additional support for the preservation of agriculture in the region.



OPEN-SPACE PROTECTION RAMONA GRASSLANDS

In alignment with the County's Multiple Species Conservation Program, the San Diego County Board of Supervisors voted to **add 123 acres of open space to the 3,490-acre Ramona Grasslands Preserve**. It is home to 409 different plant species, 23 butterfly species, 21 reptile species, 37 mammal species, and more than 100 species of birds. The MSCP was created to balance habitat protection with recreation, development, and agricultural activities.



EMPOWERING PEDESTRIANS AND BICYCLISTS EDUCATION AND SAFETY

The County promotes active transportation, such as walking, biking, and horseback riding, that enhances public health through increased physical activity and has zero GHG emissions. To ensure residents feel safe and empowered to walk or bicycle in their communities, the County prioritizes pedestrian and bicycle education and safety programming. In 2019, the County received a **\$75,000 grant from the California Office of Traffic Safety to educate youth and adults on scooter, bicycle, and pedestrian safety**. In May (National Bike Month), riders participated in free community bike-safety training events. On Green Friday (the day after Thanksgiving), the County hosted biking and hiking events to promote outdoor recreation and safety at County parks.



MULTI-MODAL TRANSPORTATION COMPLETE STREETS

The Department of Public Works enhances county roads to increase pedestrian and cyclist safety. By installing raised crosswalks, protected bike lanes, median islands, and other traffic calming measures as part of a "Complete Streets" approach, the County aims to reduce vehicle miles traveled in unincorporated communities. In 2019, **5.4 miles of bike-lane buffers were installed** on Valley Center Road as part of interim implementation of the County's Active Transportation Plan. Upon full implementation, the road will contain separated bike lanes.



DID YOU KNOW?

Cargo-handling equipment, agricultural, and off-road equipment in the County emitted up to 37,000 MTCO₂e in 2014. That is equivalent to GHG emissions from 8,000 vehicles driven for one year.



Climate change is challenging local agencies in California to develop new response plans to address the growing threat of wildfires.

In March 2019, a working group of community stakeholders, wildfire experts, and regional Leaders developed the **Resilience Review Report: Wildland Fires** to strengthen community wildfire resilience in the County's unincorporated area. The report highlights challenges along with proactive recommendations to reduce community risk to wildfires.

Local agencies and the San Diego County Office of Education worked to create a **School Protection and Evacuation Plan**, establishing a template that school administrators can use to create locally focused wildfire preparedness response plans.

Action + Progress

RENEWABLE ENERGY STORAGE

In 2019, the County became the first jurisdiction in the region to offer residential solar energy battery-storage permits online. Installing a solar battery as part of a home solar energy system maximizes the household's ability to use electricity generated by solar systems, often provides utility savings, and offers a back-up source of electricity during a power outage.

Planning & Development Services issued 432 solar energy battery-storage permits in the first year of implementation.



Energy Efficiency + Renewable Generation

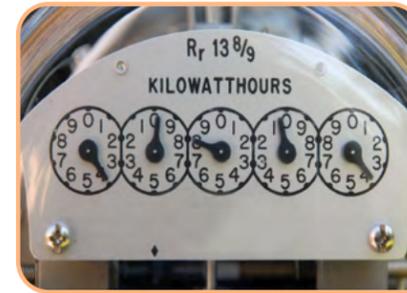
Electricity and natural gas used in buildings accounted for approximately 33% of total emissions in the unincorporated county and in County operations in 2014, the CAP baseline. The energy sector provides the greatest emissions reductions, contributing 24% of total emissions reductions toward the 2020 target and 31% of the 2030 target. Emissions reductions in this sector will be achieved through the work of multiple County departments.

Energy efficiency upgrades and renewable energy generation at County facilities, implemented by the Department of General Services and the Department of Parks and Recreation, reduce emissions from energy consumption in County operations. The Department of Planning & Development Services incentivizes residential renewable-energy generation in the unincorporated region.



DID YOU KNOW?

LEED certified buildings are designed to sustainably use energy and water. Over 15% of the County owned-and-leased facility footprint has been LEED certified to date.



ENERGY EFFICIENCY COST SAVINGS

Energy Use Intensity (EUI) is the amount of energy used in a building per square foot annually. The Department of General Services reduces County facility EUI, in part, by implementing energy efficiency improvements in existing buildings, including upgrading light fixtures to LED and improving heating and cooling systems. In 2019, the County **reduced facility EUI by 23%** from the CAP baseline, already exceeding the 2020 target by 13%.



RENEWABLE GENERATION POWER FROM THE SUN

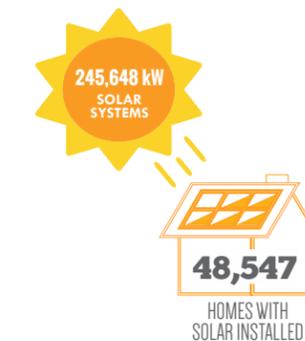
Residential solar photovoltaic installations are encouraged through the County's no-cost, streamlined permitting system. In 2019, **6,598 online residential solar permits were processed.** The County has permitted 245,648 kW of residential solar photovoltaic systems since 2014, which is enough solar panel capacity to power 48,547 average homes.



COMMUNITY OUTREACH ENERGY EDUCATION

The Department of Parks and Recreation's "Energy Saving Adventures" (ESA), a recreational club program at Spring Valley and Lakeside Teen Centers, focuses on educating future and current ratepayers on energy efficiency. The program **reached 5,500 participants** in 2019 and empowered youth to build healthy, active, and energy-efficient communities.

In 2019, the County continued installation of on-site solar photovoltaic systems to power County facilities with clean energy. The 1.4 megawatt system installed at the South Bay Regional Center will **offset up to 60% of electricity use** at the site and provides shaded parking for visitors.



“The ESA program teaches youth about energy efficiency through active programming that gets them to think about how they can change their everyday behaviors.”



— CAROLINE BARTOLOME
PROGRAM AND EDUCATION MANAGER,
DEPARTMENT OF PARKS AND RECREATION



DESTINATION
2030
Community
Choice Energy

A Community Choice Energy (CCE) feasibility report, finalized in September 2019, found that the County can achieve its renewable-energy target at a **2% electricity bill savings** for the average residential customer while **providing local economic and environmental benefits.**

On October 29, 2019, the County's Board of Supervisors adopted an Ordinance Electing to Implement a Community Choice Aggregation Program.

This decision will help the County to reach the target of providing 90% renewable energy to electric utility customers in the unincorporated area by 2030.

Action + Progress

REDUCE, REUSE, RECYCLE, REPAIR

The County assists schools, businesses, and residents in waste reduction through the four R's: reduce, reuse, recycle, and repair. In 2019, the Department of Public Works:

- Diverted 60%* of waste from landfills in the unincorporated county.
- Conducted 651 presentations and inspections benefiting 2,111 businesses and residents.
- Conducted 236 presentations on waste reduction, recycling, and composting at local schools, reaching 18,825 students.
- Held 28 composting workshops with 9,930 attendees.
- Supplied 5,560 recycling and composting bins to 187 schools, businesses, and multi-family facilities.
- Offered free recycling of tires, green waste, and scrap metal at community cleanup events in Campo, Lincoln Acres, and Valley Center.



Solid Waste Diversion

Through implementation of the **Strategic Plan to Reduce Waste** and the CAP, the County aims to reduce GHG emissions by diverting 75% of waste from landfills by 2025, and 80% by 2030. Diverting solid waste from landfills through waste reduction, recycling, reuse, repair, and composting programs extends county landfill life, reduces transportation costs, avoids methane emissions, and improves air quality.

The Department of Public Works (DPW) takes a creative approach in working with schools, community groups, businesses, and residents to find individualized solutions for their specific needs. DPW provides training and education, equipment for recycling, and information on food donation. DPW also provides feedstock, siting, and permit assistance to those interested in starting or expanding recycling operations.

* 2018 data based on pounds-per-capita per-day measurements from CalRecycle.



COMPOSTING INTERNATIONAL EQUESTRIAN CENTER

The International Equestrian Center in Ramona serves as a **Livestock and Land Best Management Practices demonstration site, which processes up to 7,500 pounds of manure per day.** The site also has an elaborate system of berms, native plants, and bioswales to regulate run-off from the composting site.



REUSE AND REPAIR COUNTY'S FIRST FIX-IT CLINIC

In 2019, the County sponsored its first Fix-It Clinic, where community members learned how to bring new life to used furniture, electronics, and appliances such as blenders and toaster ovens. The event was held at Mt. Miguel Covenant Village and **diverted 116 pounds of waste from the landfill.**



COMMUNITY OUTREACH BUILDING JOB SKILLS

The County provided **composting and job-skills training to over 100 program participants and staff at the Men's Training Center rehabilitation facility in Dulzura.** In nine months, 11,795 pounds of food scraps were diverted from the landfill. This prevented the creation of 5.19 MTCO₂e emissions or the equivalent of planting 86 trees!

DID YOU KNOW? The average Californian produces 6 pounds of waste per day.



DID YOU KNOW? By reselling and recycling used books, the San Diego County Library diverted 500 cubic yards of solid waste, which is about 9,000 trees worth of paper.



To achieve its waste diversion targets, the County is:

- ▶ Increasing diversion of construction debris, such as concrete, soil, and building materials, to 44,000 tons per year through a **Construction and Demolition (C&D) Debris Recycling Ordinance.**
- ▶ Working with franchise haulers to accommodate increased diversion requirements through 2030, including food-scrap collection.
- ▶ Developing a regional tool to quantify potentially donatable food from commercial sources that would otherwise be wasted.
- ▶ Updating existing County regulations to streamline expansion of organic-materials processing in the unincorporated county.

Action + Progress

HABITAT RESTORATION & WATER CONSERVATION

The CAP sets a goal for the Department of Parks and Recreation to plant 3,500 trees annually on County parkland, and aims to plant a total of 49,000 trees by 2030. The County's tree-planting efforts restore native habitat, store carbon in the soil, and build wildfire resistance. **In 2019, the County exceeded the annual goal by 5 percent, planting 3,661 trees.**

The County conducts water audits to monitor water use and implements best practices at County facilities to save water and money through permanent reduction in water usage. **Through 2019, the County reduced potable water use, or water safe for drinking, by 15% compared to 2014 levels.**



Agriculture + Conservation

Agriculture and conservation efforts aim to reduce GHG emissions by transitioning petroleum- and diesel-powered agricultural equipment to zero-emission replacements and increasing carbon sequestration through tree planting. The CAP also supports sustainable agricultural practices that conserve water, build soil health, and moderate soil temperatures during extreme heat, while increasing the availability of locally grown and raised food.

Water + Wastewater

Water and wastewater measures focus on increasing water efficiency in appliances in new residential development, reducing treated water used in landscaping within private development and County facilities, and helping unincorporated county residents capture and utilize rainwater at home. These efforts reduce both the strain on water supplies and GHG emissions from the treatment and distribution of water.



WATERSHED PROTECTION PUBLIC EDUCATION

At a community cleanup event in Fallbrook in October 2019, the Department of Public Works and volunteers **removed 385 pounds of trash and recyclables** and stenciled a storm drain to remind their community that pollution flowing down the drain ends up in their local watershed. Participants also learned the benefits of using rain barrels to harvest rainwater. In 2019, **427 rain barrels were distributed** to unincorporated county residents.



TREE RESTORATION CLIMATE-READY TREES

The County includes mature, 10-year-old trees in its tree-planting program to maintain and restore a mature stock of trees, and to help speed up the carbon sequestration process. In 2019, the County planted a total of **74 60-inch box trees in County parks, including eight Engelmann Oaks at the Santa Ysabel Nature Center.** These trees, which are compatible with San Diego's mild climate, can live for up to 400 years, are less susceptible to beetle infestation and drought, provide shade, and are more resilient to climate change.



LOW-EMISSION ENGINES EQUIPMENT UPGRADES

In 2019, the San Diego County Air Pollution Control District **distributed \$28.5 million in grant funding across the region for greener vehicles, machinery, and equipment** through the Clean Air Campaign. The program replaced existing farm equipment, machinery, and more with new zero-emission alternatives. In the unincorporated county, **13 tractors and one utility terrain vehicle were replaced** under this program.

“The Department of Parks and Recreation has focused on planting ‘climate-ready’ species that are adapted to withstand changing climate conditions without relying on supplemental irrigation. This will help ensure the longevity of more resilient urban forests that make our parks a welcoming place to recreate.”



— **DARIO LOMBARDO**
AGRICULTURAL SCIENTIST,
DEPARTMENT OF PARKS
AND RECREATION



Nearly 60% of water that households use in California goes to outdoor water use. Reducing potable water used for landscaping conserves a precious resource, protects against drought, and reduces GHG emissions from the treatment and conveyance of water.

The County is updating its **Landscaping Ordinance** to reduce outdoor water use by 40% from 2014 levels in new and existing residential and non-residential development landscaping. This will result in a reduction of 17,535 metric tons of GHG emissions by 2030.

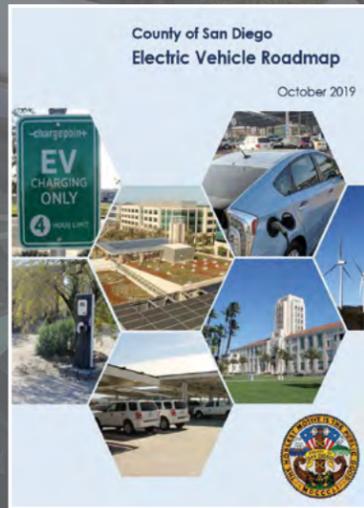
The County's **Water Efficient Landscape Design Manual** provides water conservation strategies on using recycled water and greywater to irrigate drought-tolerant and native landscaping.

Action + Progress

EV ROADMAP GOALS

The Electric Vehicle (EV) Roadmap outlines six goals:

1. Reduce the County's fleet of gas-powered vehicles;
2. Accelerate the installation of EV charging stations at public locations in County facilities and in the unincorporated county;
3. Promote and incentivize County employee EV ownership;
4. Incentivize and/or require EV charging infrastructure in new and existing development;
5. Fund a consumer advocate as a regional resource to provide education and outreach on EV technology; and
6. Support public and private fleet electrification through regional collaboration.



Electric Vehicle Roadmap

With the adoption of the **Electric Vehicle Roadmap** in October 2019, the County Board of Supervisors took significant steps to build out electric vehicle charging infrastructure in the County's unincorporated area and encourage EV ownership among residents.

The EV Roadmap includes six goals that increase and accelerate existing County vehicle electrification efforts in order to reduce GHG emissions and improve air quality in the unincorporated area. Implementation of the EV Roadmap supports the County's CAP GHG emissions reduction targets and puts the County on a path to meet state vehicle and charging-infrastructure goals in the next decade.



EV CHARGING COUNTY FACILITIES

Since 2016, 37 EV charging stations have been installed for public use at 10 County facilities. In 2019, **96,485 kWh of electricity was delivered to vehicles, which is enough to power an estimated 169,277 electric miles.** The EV Roadmap accelerates the target to install 2,040 charging stations at County facilities and other public-serving locations throughout the unincorporated area by 2028.



ZERO EMISSIONS SOLAR CHARGED

The Santa Ysabel Nature Center, opened in December 2019, is the newest facility operated by the Department of Parks and Recreation to include public EV charging stations. Located inside the Santa Ysabel Preserve, the center has **two public chargers available for visitors.** The building uses 90 rooftop solar panels to provide enough power for all the building's annual electricity needs. EVs plugged in to these chargers will be powered by 100% renewable energy!



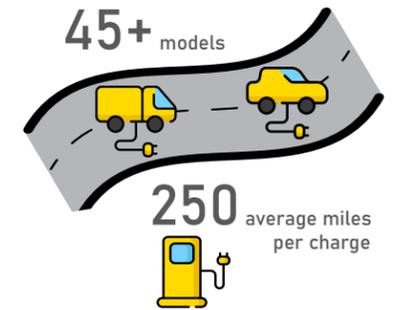
EV PERMITTING EASY AS 1-2-3

In 2016, the County adopted an ordinance that required the development of streamlined permitting processes for electric vehicle charging stations, in conformance with state law. Residents can now use the County's online permit portal to receive same-day permits, and in most cases, commercial permits are processed within 1 business day. **This efficiency has resulted in the County issuing 58 residential and commercial permits for EV charging stations** in 2019, with 83% of these processed online for residential chargers.

The EV Roadmap also includes goals that support regional collaboration to **advance streamlining of permitting processes across the region** to reduce project costs and timelines.

Find the EV Roadmap at: sandiegocounty.gov/sustainability

DID YOU KNOW?
Over 45 EV models are available in California, with 250 miles of range for passenger vehicle models.



Improvements in battery technology will continue to decrease the cost and increase the range of EVs. According to market research, **light-duty passenger vehicles are expected to cost the same as their gas-powered equivalent by 2025.** Medium- and heavy-duty vehicle models are expected to be cost effective by 2030.

Charging technology will also improve, allowing users to control when their EVs charge, to take advantage of lower electricity rates. Future innovations such as vehicle-to-grid technology will allow EVs to connect directly to buildings and the electricity grid as sources of power during outages.

Future innovations will continue to make EVs a cost-effective, clean transportation alternative, and the County will invest in these technologies as they become market ready.

Action + Progress

ENGAGING THE COMMUNITY

The County is dedicated to educating and engaging residents, students, farmers, and business people within the region on sustainable practices. In addition to the community outreach and education featured earlier in this report:

- University of California Cooperative Extension developed a website listing online tools and funding sources for climate-resilient agriculture practices.
- University of California Cooperative Extension supported the Carbon Sink Farming Convergence and Field Tours.
- Planning & Development Services guided applicants on how to use the County's online permitting system for EV chargers, residential solar panels, and battery storage.
- Health & Human Services Agency assisted schools in identifying opportunities to promote local, healthy, seasonal foods and how to avoid food waste.
- San Diego County Library held a Feeding Minds and Bodies workshop in collaboration with the San Diego Hunger Coalition.

Outreach + Engagement

Education and engagement are two primary initiatives of CAP implementation efforts. From promotion of online residential battery-storage permitting to hosting conferences on climate-resilient farming practices, the County promotes activities to build resilient and sustainable communities. The County participates in multiple community events every year to share how it works to protect the environment and how residents can help. These conversations also provide opportunities for the County to learn what members of the community value. Through the Sustainability Task Force, County departments share information and resources, and collaborate across departments to advance sustainability in County operations and programs.



CELEBRATING SUSTAINABILITY
2019 EARTH DAY FAIR
Land Use and Environment Group



CLEAN TECHNOLOGY
COUNTY EV
RIDE & DRIVE
Air Pollution Control District



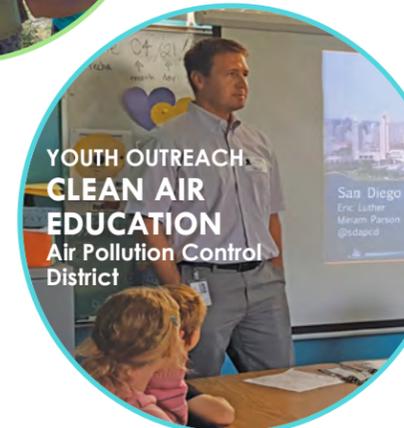
CLIMATE CHANGE & HEALTH
LIVE WELL ADVANCE
Health & Human Services Agency



SUSTAINABILITY &
SELF-SUFFICIENCY
NATURE EXPLORERS
Parks and Recreation



SUSTAINABILITY IN ACTION
ZERO WASTE MEETINGS
Public Works, Planning & Development Services



YOUTH OUTREACH
CLEAN AIR
EDUCATION
Air Pollution Control
District



DESTINATION
2030
Empowering
Communities

We are proud of our climate action work to attain 2030 GHG targets and the partnerships we are building within the region. The County seeks to provide more resources and empower local communities to make homes more energy efficient, support cleaner vehicles, improve air quality, conserve water resources, and increase recycling and reuse to contribute toward GHG reduction efforts in our community.

We look forward to hearing from you at future events at your local parks and libraries, recycling and community cleanup events, and Live Well SD 5k.

To learn more about how you can apply sustainable practices in your daily life, please check out the Climate Action Plan website.



Sustainability Programming

ACHIEVEMENT AWARDS

Innovative services and programming that provide parks, libraries, roads, fire protection, and public safety contribute to a secure, healthy, and thriving community. In 2019, the County received 44 Achievement Awards from the National Association of Counties in recognition of programs that increase services for residents. Here are some of the County's sustainability-related programs that received Achievement Awards in 2019.

PARKS + RECREATION

OLD SURVEY ROAD TRAIL-USER VIDEO AND SELF-ISSUED PERMITS PROGRAM

Ramona Grasslands County Preserve

Department of Parks and Recreation

» Increasing trail visitation while protecting valuable resources

620
permits issued since August 2018

HEALTH

WARRIOR HIKE CHALLENGE

El Capitan County Preserve

Department of Parks and Recreation

» Enhancing outreach with San Diego's military community every Memorial Day and Veterans Day weekends

250
participants in 2019

RISK + EMERGENCY MANAGEMENT

DISASTER RECOVERY STANDARD OPERATING FRAMEWORK

San Diego County

Office of Emergency Services

» Providing procedures, checklists, and training for emergency response and disaster-response staff

LIBRARIES

GREEN TEEN GARDEN

Ramona Library

San Diego County Library

» Educating teens to encourage healthy nutrition and model good ecological practices

50 + 380
programs teens from 2017-2019

COUNTY RESILIENCY: INFRASTRUCTURE, ENERGY + SUSTAINABILITY

PESTICIDE CONTAINER RECYCLING PROGRAM

San Diego County

Agriculture, Weights & Measures

» Partnership with EDCO Disposal and the Ag Container Recycling Council

15,177
pounds recycled since 2015

RENEWABLE POWER PROGRAM

San Diego County

Department of General Services

» Implementing renewable energy cost-saving projects at County facilities

50%
operational electricity renewable by 2030

TAKING ACTION

What You Can Do

All individual and collective actions add up. Every person, every business, and every entity has a role to play in addressing climate change. Here are some simple things you can do at home, in your workplace, or in your community to make a difference. For more information visit our website and find links in the tiles below.

▶ HOW YOU CAN CONTRIBUTE TO SUSTAINABLE AND THRIVING COMMUNITIES



Stay Connected

▶ For updates, to view the digital Annual Monitoring Report, or to sign up for our e-newsletter visit:

sandiegocounty.gov/sustainability





COUNTY OF SAN DIEGO
 Planning & Development Services
 Climate Action Plan
sandiegocounty.gov/sustainability

For questions and media inquiries, contact:
 Project Manager – Sustainability
 Planning & Development Services
 Kelly.Bray@sdcounty.ca.gov
858.495.5384



Interested in making an impact?
**We want to hear from you
 and get you involved!**
cap@sdcounty.ca.gov



100% Post-Consumer
 Recycled Paper

