For more information or data, please see the 2018 Climate Action Plan Annual Report Appendix or visit www.sandiego.gov/sustainability.
In San Diego, sustainability is in our DNA. Our aim to forge a cleaner, greener and more prosperous city reflects our way of life. San Diegans innovate new technologies, employ resources responsibly and celebrate our natural environment every day. Our Climate Action Plan is modeled after this spirit. We’re on our way to cutting our carbon footprint in half by 2035 and leaving a better San Diego for our children and grandchildren.

This year I established a new department dedicated to bringing improved organization and support to our climate action goals. The Office of Sustainability will further our efforts toward protecting the environment, creating new jobs and increasing opportunity for all San Diegans.

My budget for the upcoming year will allocate more than $140 million in new funding for sustainability projects throughout San Diego. From building infrastructure that does more with less energy to creating more bike lanes and walkways, we are laying the foundation for San Diego to be a smart, connected and sustainable city of the future.

San Diegans can be proud to call this beautiful city home knowing we are leading the way in tackling global challenges and advancing our quality of life. It’s in our DNA.

Sincerely,

Kevin Faulconer
Mayor, City of San Diego

“I’m proud to be part of a city that is creating a future San Diego that will be even better than it is today.”

— Cody Hooven
San Diego continues to advance toward the ambitious climate action goals adopted in 2015, receiving recognition for pursuing projects that reduce carbon emissions while simultaneously benefiting the economy and ensuring climate policies positively impact all San Diegans.

San Diego is dedicated to a healthier and greener future for our communities. We demonstrate accountability by joining global commitments and partnering with organizations committed to our common goals. From Mayor Faulconer’s backing of an alliance dedicated to resilient cities to San Diego’s pledge to remain committed to the goals of the Paris climate agreement, the City of San Diego is promising to meet our climate challenges head on.

**SAN DIEGO LEADS THE WAY**

— Laying the foundation for our future

San Diego was named a Top 10 City for Bicycling by PlacesForBikes in 2018. Using feedback from everyday bike riders as well as publicly available data, the rankings took five key factors into account: ridership, safety, network, acceleration and reach.

In 2017, San Diego was #2 in the nation for total installed solar PV capacity according to Environment America Research & Policy Center’s Shining Cities report. In addition to helping residents and businesses save money on their energy bills, solar power helps reduce carbon emissions and air pollution.

San Diego was ranked a top 10 future-proofed city in JLL’s 2018 City Momentum Index. This index ranks cities by their potential for future, continued growth considering factors such as capability for innovation, quality of the urban environment and public transportation infrastructure.

**AWARDS, RANKINGS & COMMITMENTS**

**Top 10 City for Bicycling**

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**No. 2 Solar City in the Nation**

In 2017, San Diego was #2 in the nation for total installed solar PV capacity according to Environment America Research & Policy Center’s Shining Cities report. In addition to helping residents and businesses save money on their energy bills, solar power helps reduce carbon emissions and air pollution.

**Top 10 Future Proof City**

San Diego was ranked a top 10 future-proofed city in JLL’s 2018 City Momentum Index. This index ranks cities by their potential for future, continued growth considering factors such as capability for innovation, quality of the urban environment and public transportation infrastructure.

**Smart Cities Sustainable Infrastructure Award**

San Diego was recognized for sustainable infrastructure by IDC’s inaugural Smart City North America Awards for deploying the largest city-based “Internet of Things” platform in the world. San Diego is deploying 3,200 intelligent nodes on city streetlights to provide real-time data that can be used to optimize parking, track carbon emissions and inform planning improvements for pedestrians and cyclists.

**2017 Tree City USA Designation**

The Arbor Day Foundation named San Diego a 2017 “Tree City USA” recognizing excellent citywide urban forest management. This designation acknowledged San Diego’s dedication to the planting and care of trees based on the city’s urban forestry program, tree care ordinance, community forestry budget and Arbor Day observance.

**We are Still In**

In 2018 the City of San Diego signed the “We are Still In” declaration to demonstrate our continued commitment to reducing greenhouse gas emissions while creating jobs and strengthening our economy. San Diego is part of the ambitious global pact to proactively address shared climate challenges and lessen the human impact on the environment.

**Mayors for 100% Clean Energy**

Mayor Faulconer co-chairs the Sierra Club’s Mayors for 100% Clean Energy initiative, which calls on leadership across the United States to support a vision of 100% clean and renewable energy. To date, 201 mayors have pledged their support to 100% renewable energy emphasizing positive, bipartisan, community-driven solutions to reaching this goal.
GREENHOUSE GAS (GHG) INVENTORY

In 2017, total GHG emissions have remained at similar levels compared to the updated 2016 inventory, 21% below the 2010 baseline. In 2017, GHG emissions from water use decreased due to less reliance on imports. Since 2010, emissions from the use of natural gas remain the only category with an overall increase.

DRIVING ECONOMIC GROWTH

Overall in 2017 the clean technology sector remained stable, with year-over-year growth occurring primarily in the transportation sector. San Diego continues to have a concentration of clean technology jobs that is twice the national job level.

1 Calculation methodologies and source information including revised 2016 calculation results can be found in the Appendix to the 2018 CAP Annual Report at www.SanDiego.gov/sustainability.
$1,140,091 Community Development Block Grant (CDBG) funds allocated to sustainability programs in 2017

24 solar installer apprentice program participants

34 solar energy systems installed for low-income homeowners

24 solar installer apprentice program participants

Community Development Block Grant (CDBG) funds allocated to sustainability programs in 2017

Water and energy efficiency improvements for 20 low-income homeowners

34 solar energy systems installed for low-income homeowners

2 solar trees for the Ocean Discovery Institute Living Lab

93 low-income youth participants in the Youth Garden Workforce Training Program

These projects were supported by the City of San Diego’s CDBG fund.
San Diegans saved **117,112 MWh** through energy efficiency measures. This diverted more than **220 million pounds of carbon dioxide** from being produced, the equivalent of removing **21,400 cars** from the road.

The City of San Diego municipal operations generated **167,000 MWh** of renewable energy equivalent to **18,628 homes’** electricity use for one year.

**31 miles** of bike lanes added or improved

**6,800 linear feet** of sidewalk constructed

**307 trees** planted and **17,212 trees** maintained/trimmed

**72%** of diesel used in the City fleet is renewable diesel, avoiding **16,000 tons** of CO₂ emissions.

“The City of San Diego generated 167,000 MWh of renewable energy equivalent to 18,628 homes’ electricity use for one year. This diverted more than 220 million pounds of carbon dioxide from being produced, the equivalent of removing 21,400 cars from the road. San Diegans can be proud to call this beautiful city home knowing we are leading the way in tackling global challenges and advancing our quality of life. It’s in our DNA.”

— MAYOR KEVIN L. FAULCONER
### STRATEGY 1

**Reduce residential energy use**
- **2010 Baseline**: 5000 kW, 300 therms
- **2017**: Reduce energy use by 11% from baseline
- **2020 Goal**: 15% energy use reduction from baseline in 20% of units
- **2035 Goal**: 15% energy use reduction from baseline in 50% of units
- **2017 Goal**: 15% energy use reduction from baseline in 20% of units
- **2035 Goal**: 25% reduction from 2020 goal

**Energy Use Reduction**: 11% energy use reduction from baseline
- **11% reduction from baseline**
- **15% energy use reduction from baseline in 20% of units**
- **15% energy use reduction from baseline in 50% of units**

**Per Capita Water Use**: 128 gallons per capita per day (GPCD)
- **2017**: 112 GPCD
- **2020 Goal**: 105 GPCD

### STRATEGY 2

**Achieve 100% renewable energy citywide**
- **2010 Baseline**: 11% renewable energy content
- **2017**: 45% renewable energy content
- **2020 Goal**: N/A
- **2035 Goal**: 100% renewable energy content
- **2017 Goal**: 45% renewable energy content
- **2035 Goal**: 100% renewable energy content

**Reduce municipal energy use**
- **2010 Baseline**: 205 million kW, 3 million therms
- **2017 Goal**: 3% reduction from baseline
- **2035 Goal**: N/A
- **2035 Goal**: 25% reduction from baseline
- **2035 Goal**: 25% reduction from baseline

**Convert to compressed natural gas (CNG) waste trucks**
- **2010 Baseline**: 0% CNG waste trucks in operation
- **2017 Goal**: 25 (18%) CNG waste trucks in operation
- **2035 Goal**: N/A
- **2035 Goal**: 100% CNG waste trucks in operation

### STRATEGY 3

**Increase use of mass transit**
- **2010 Baseline**: 4% commuter transit modeshare
- **2017 Goal**: 8% commuter transit modeshare
- **2035 Goal**: 25% commuter transit modeshare
- **2035 Goal**: 25% commuter transit modeshare

**Convert to compressed natural gas (CNG) waste trucks**
- **2010 Baseline**: 0% CNG waste trucks in operation
- **2017 Goal**: 25 (18%) CNG waste trucks in operation
- **2035 Goal**: N/A
- **2035 Goal**: 100% CNG waste trucks in operation

**Methane capture from the landfill**
- **2010 Baseline**: 75% of gas captured from the landfill
- **2017 Goal**: 74% of gas captured from the landfill
- **2035 Goal**: 90% of gas captured from the landfill

**Methane capture from wastewater treatment**
- **2010 Baseline**: 71% of gas captured from the wastewater treatment facility
- **2017 Goal**: N/A
- **2035 Goal**: 98% of gas captures from the wastewater treatment facility

### STRATEGY 4

**Divert solid waste**
- **2010 Baseline**: 52% diversion rate
- **2017 Goal**: 66% diversion rate
- **2035 Goal**: 75% diversion rate
- **2035 Goal**: 75% diversion rate

**Retime traffic signals and install roundabouts**
- **2010 Baseline**: 40 traffic signals per year, 0 roundabouts
- **2017 Goal**: 70 signals retimed, 0 roundabouts in 2017 (2 installed since 2015)
- **2035 Goal**: 200 traffic signals retimed, 15 roundabouts installed
- **2035 Goal**: 35 roundabouts installed

**Reduce vehicle miles traveled**
- **2010 Baseline**: 25 miles per day commute distance
- **2017 Goal**: N/A
- **2035 Goal**: 23 miles per day commute distance

### STRATEGY 5

**Increase urban tree canopy cover**
- **2010 Baseline**: 7% tree canopy cover citywide
- **2017 Goal**: 13% tree canopy cover citywide
- **2035 Goal**: 15% tree canopy cover citywide
- **2035 Goal**: 15% tree canopy cover citywide

**Methane capture from wastewater treatment**
- **2010 Baseline**: 71% of gas captured from the wastewater treatment facility
- **2017 Goal**: N/A
- **2035 Goal**: 98% of gas captures from the wastewater treatment facility

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1 Modeshares for transit, bicycling and walking as well as average commute distance have been modeled using best available data and the most up to date methodologies. CY2017 data was developed using the current SANDAG Series 13 activity-based model; baseline data CY2010 was developed utilizing the SANDAG Series 12 four-step model. The City of San Diego gathered additional modeshare data through a commuter survey which is described in more detail on Page 6 of this report. Numbers have been rounded. More information can be found in the Appendix to the 2018 CAP Annual Report can be found at www.SanDiego.gov/sustainability.
Mobility Monitoring: Surveys and Models

In 2018, the City of San Diego used both a survey and modeled calculations to determine modeshare transportation choices. Approximately 4,000 respondents took the survey which explored how participants travel to work or school and what barriers to active transportation and transit are most prohibitive.

Modeling provided representative citywide data based on the best available sources. The results of both the modeling and surveyed data are displayed below.

We will continue to explore the tools available – surveys, modeling or others – and use the best available information to determine how San Diegans are getting around.

![Travel Modes Results](image)

Respondents reported that the top reasons for not utilizing active transportation modes or transit were:

- **22%** TRAVEL TIME
- **12%** Lack of INFRASTRUCTURE
- **15%** Lack of CONNECTIVITY
- **1%** - COST

San Diegans Switch Up their Commutes for #TransitTuesday

In April 2018, the City of San Diego launched a mobility campaign to encourage commuters to try alternative transportation one day per week. More than 25,000 people viewed the #TransitTuesday videos on social media. Videos included real San Diegans who bike, walk and take transit to work, as well as a bicycle safety tutorial from local basketball star Bill Walton. The campaign culminated in the City of San Diego’s official partnership in Bike to Work Day 2018.

#TransitTuesday

Visit: sandiego.gov/transit-tuesday for more information on how to change up your commute.
City of San Diego Models Green Building Best Practices

The City of San Diego is using its own 700 municipal buildings as incubators to demonstrate the benefits and effectiveness of building energy benchmarking and smart building management. Three of the City's libraries will be transformed into zero net energy buildings. These living laboratories serve to encourage local businesses in the community to adopt this comprehensive approach to reducing energy consumption in large buildings.

2030 District a Sustainable Public-Private Partnership

The City of San Diego is the latest city to establish a 2030 District, a high-performance building community that aims to dramatically reduce the environmental impacts of building operations and construction. Participating buildings aim to reduce energy, water, and transportation emissions by 50 percent by 2030. The City of San Diego is an official partner of the 2030 District which is managed by Cleantech San Diego, clean technology businesses, real estate organizations and other local business leaders.

FRED Electric Microtransit Vehicles Move San Diego

Funded in part by the City of San Diego, Free Ride Everywhere Downtown (FRED) is a convenient transit option for short trips in the Downtown area. Riders can request a free ride in one of FRED's all-electric five-passenger vehicles through the FRED app, available in iPhone and Android app stores. FRED was launched in 2016 to help reduce congestion and the City's carbon footprint.
NOTE FROM THE CHIEF SUSTAINABILITY OFFICER — Cody Hooven

Climate action is not easy. Ensuring meaningful progress can be complex, intimidating or take longer than any of us would like. As we wrap up our third year implementing the Climate Action Plan, we have learned a lot and kept up momentum toward meeting our ambitious goals. Looking ahead, we have big challenges to tackle.

In the near-term, we will be expanding our climate-equity efforts, which means finding ways for the sustainability movement to be inclusive of - and a benefit to - all San Diegans. We are exploring mobility options and aligning transportation choices with other important initiatives like housing and community planning. We will continue to share with others in the region and the State to help bring more cities along and maximize our impact.

As San Diego’s Chief Sustainability Officer it is great to be at the local level where it matters most. We are lucky to have innovative business leaders and smart residents leading the way. I’m proud to be part of a city that is creating a future San Diego that will be even better than it is today.

Thanks to you, San Diego, we are on the right path.
In San Diego, sustainability is in our DNA. Our aim to forge a cleaner, greener and more prosperous city reflects our way of life: San Diegans innovate new technologies, employ resources responsibly and celebrate our natural environment every day. Our Climate Action Plan is modeled after this spirit. We’re on our way to cutting our carbon footprint in half by 2035 and leaving a better San Diego for our children and grandchildren.

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