



CITY OF CARLSBAD SNAPSHOT

SANDAG

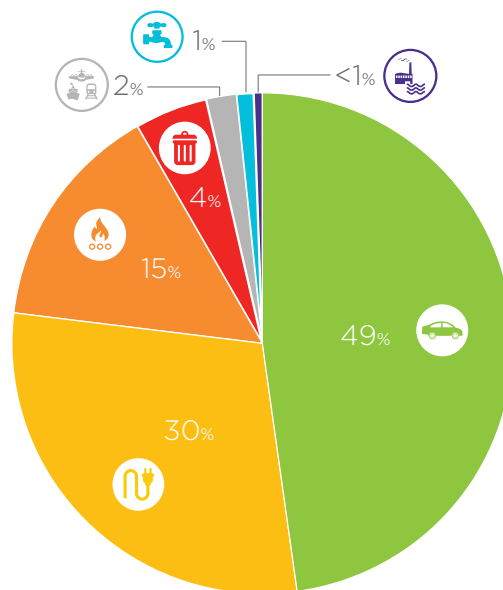
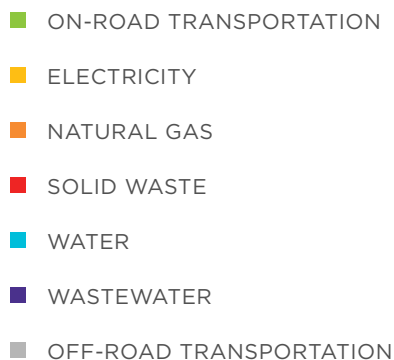
The ReCAP Snapshot is prepared for the City as a part of the SANDAG Regional Climate Action Planning Framework (ReCAP) to support, but not replace, cities' monitoring greenhouse gas (GHG) emissions and/or climate action plan (CAP) implementation over time. Climate planning activities vary by jurisdiction and are dependent on a variety of factors, such as funding and staff capacity. As the second edition of Snapshots (November 2020), this document builds upon the baseline set by the first edition Snapshots published in November 2019 to support monitoring trends into the future. More information, including a FAQ document and Methods and Data Sources Summary, is available at sandag.org/climate.

GHG INVENTORY*

*This GHG inventory is based on best available data, which includes 2016 VMT data for the on-road transportation sector and 2018 data for all other sectors. See below for additional detail.

930,000 MT CO₂e

Total GHG emissions
estimated for 2018



JURISDICTION QUICK FACTS

115,095

population in 2018

39

square miles

43,410

occupied housing
units in 2018*

Current CAP progress:
Adopted 2020

Subregion:
North County Coastal

*Occupied housing does not
include group quarters.

The 2018 GHG emissions inventory was prepared using the best available data for each emissions category. The best available data for vehicle miles traveled (VMT) at this time continues to be estimates for the year 2016, based on the SANDAG Series 14 forecast and ABM2 transportation model. This same VMT dataset was used to prepare the 2016 inventory included in the first edition Snapshots (published in November 2019). As a result, the VMT used in the 2018 GHG emissions inventory is the same as that in the 2016 GHG emissions inventory.

Estimated changes in VMT since 2016 will be reflected in the forthcoming 2020 GHG emissions inventory. For the next ReCAP Snapshots, VMT estimates will be based on the forecast and land use used in the 2021 Regional Plan.

GHG emissions inventories are one tool for use in monitoring CAP implementation. Together, a GHG emissions inventory and activity data reflect CAP implementation progress. Until updated VMT estimates are available, performance of VMT-related CAP measures can be monitored based on activity data.

Additional information about the SANDAG transportation model is included in the [Snapshot FAQ document](#), and further detail about CAP monitoring and reporting can be found in the [ReCAP Technical Appendix VI](#).

RECAP ACTIVITY DATA FOR THE CITY OF CARLSBAD

These select activity data represent data for the year 2018 for common GHG reduction activities included in local CAPs across the SANDAG region and may not align precisely to GHG reduction measures and/or the metrics identified within a jurisdiction's CAP. Community-wide activities occur within a jurisdiction's boundaries; municipal activities occur at City-owned facilities. For more information on data sources, the Methods and Data Sources Summary is available at sandag.org/climate.

TRANSPORTATION



COMMUNITY-WIDE

83 public electric vehicle chargers

12,500 clean vehicles registered
(13% of total registered vehicles)

118 total miles of bicycle lanes



2,000 passengers on and off transit per weekday

Transit data does not include NCTD BREEZE ridership data, which were not available at the time of Snapshot preparation.

16 local businesses participating in SANDAG iCommute program events



MUNICIPAL

14 electric vehicle chargers

1 clean vehicle in fleet

ENERGY EFFICIENCY



COMMUNITY-WIDE

1,044,745 MWh* of electricity consumed

25 million therms of natural gas consumed

4,330 MWh electricity saved through SDG&E programs



231,431 therms of natural gas saved through SDG&E programs

MUNICIPAL

14,474 MWh of electricity consumed

225,752 therms of natural gas consumed



Energy efficiency projects have resulted in first year reductions of:

102,692 kWh and
733 therms

WATER + WASTEWATER



COMMUNITY-WIDE

192 gallons water used/person/day

54 gallons wastewater produced/person/day

RENEWABLE ENERGY



COMMUNITY-WIDE

43% renewables in grid electricity supply

42 MW PV online

MUNICIPAL

63 kW total PV capacity

SOLID WASTE



COMMUNITY-WIDE

7.8 lbs waste disposed in landfill/person/day

54% waste diverted

*This value includes 100 percent electricity use at the Carlsbad Desalination Plant, which treats water for the entire San Diego region. The electricity use at the Plant is approximately 19 percent of community-wide electricity use, based on estimates provided by the San Diego County Water Authority and the Plant's GHG reduction plan.