

2021 Regional Plan  
Programs and Policies

# ELECTRIC VEHICLES



Electric Vehicles (EVs) use clean sources of power such as electricity and hydrogen. Unlike vehicles that use internal combustion engines to burn fossil fuels EVs do not produce harmful exhaust gases such as CO<sub>2</sub> and ozone. EV technologies are becoming more popular and affordable, and new EVs are appearing on the roads all the time. EVs include battery electric vehicles and hydrogen fuel cell vehicles, and they come in the form of passenger vehicles, light- and medium-duty vehicles (e.g., pickup trucks and delivery vehicles), and heavy-duty vehicles (e.g., semi-trucks and buses).

This wide range of EVs allows them to play a role in each of the 5 Big Moves. For example, Mobility Hubs and Complete Corridors will integrate EV charging and hydrogen stations into community activity centers and along key corridors. Transit Leap and Flexible Fleets services can adopt EVs for transit, passenger, and goods movement vehicles. The Next OS can help manage charging infrastructure, providing people with different payment options and monitoring activity.

## What EV goals have the state and the region made?

With 1.5 million EVs projected to be on California roads by 2025 and 5 million by 2030, SANDAG is planning for about 450,000 EVs in our region by 2030. Meeting vehicle and charger goals requires a quick adoption of EVs and a rapid installation of charging infrastructure.

## What should I know about EVs?

SANDAG has been planning for EVs for more than a decade. Industry, government, the local utility, individuals, and businesses are all making investments in EVs and EV infrastructure. SANDAG, the County of San Diego, SDG&E, and other regional entities are working together to make the San Diego region the national leader in electric vehicle adoption and clean transportation. As a sign of progress, transit operators are now piloting electric and hydrogen zero emission buses.

### Market forces

**45,000**  
Plug-in EVs

in the San Diego region as of July 2019



**61%**  
increase in  
EV sales

in CA from  
2017-2019

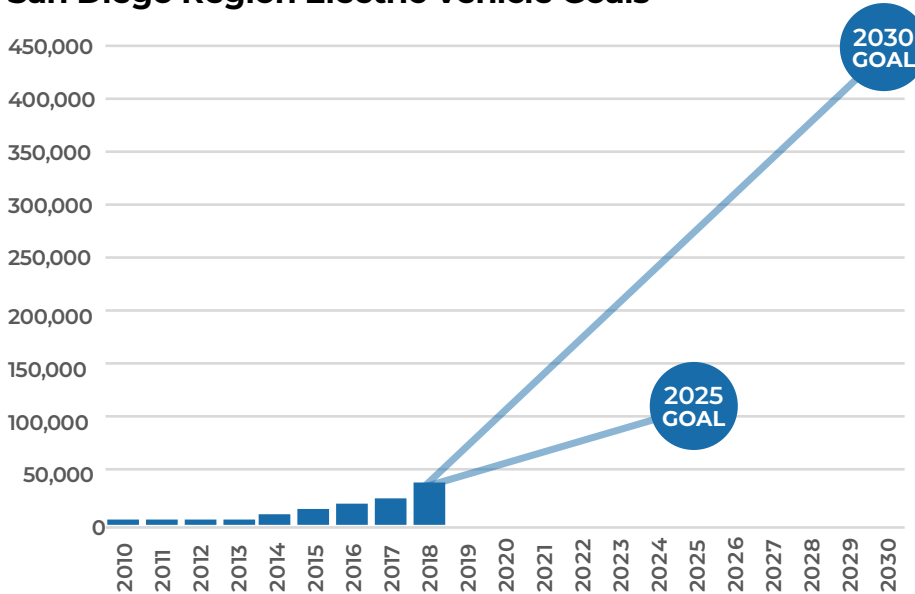


**48**  
EV models  
available

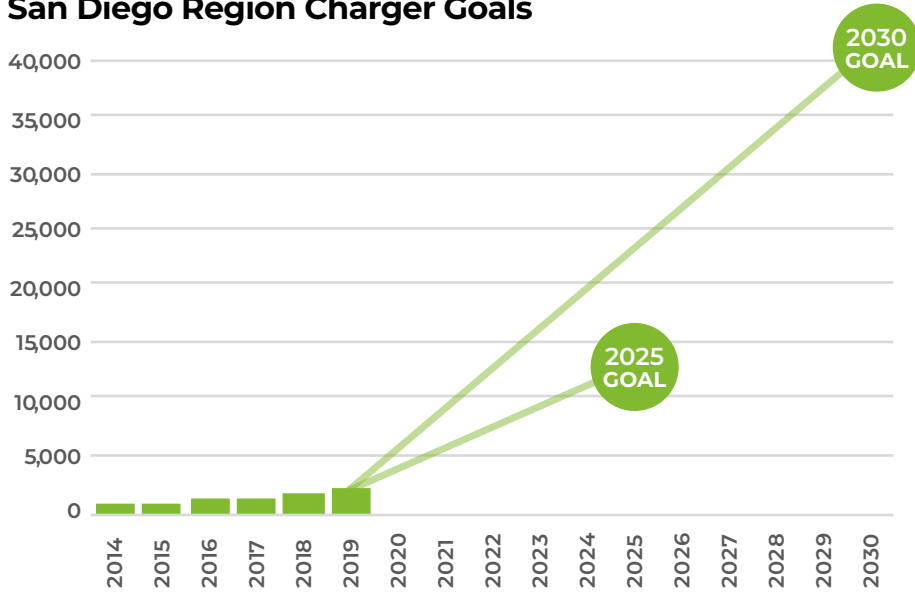
and more arriving  
each year



### San Diego Region Electric Vehicle Goals



### San Diego Region Charger Goals



### What does SANDAG do?

- Partners with the California Energy Commission, the Center for Sustainable Energy, and the San Diego County Air Pollution Control District to launch the CALeVIP San Diego County Incentive Project in late 2020. This program provides rebates to encourage the placement of “public level 2” and “direct current fast charging” stations in the San Diego region.
- Coordinates with SDG&E to provide programs that install charging stations for workplaces, multi-unit dwelling communities, and medium- and heavy-duty vehicles throughout the region.
- Monitors the region’s EV efforts, including distribution of CALeVIP incentives, use of CALeVIP charging stations, number of charging and hydrogen stations, greenhouse gas reductions, energy use, air quality and pollution impacts, and EV-ready cities.
- Supports the inclusion of EVs in local Climate Action Plans.

### Resources

- EV Infobit  
[sandag.org/uploads/publicationid/publicationid\\_2027\\_20605.pdf](https://sandag.org/uploads/publicationid/publicationid_2027_20605.pdf)
- SANDAG Plug-in SD Program  
[sandag.org/pluginsd](https://sandag.org/pluginsd)
- MTS Zero Emissions Bus Pilot Program  
[sdmts.com/inside-mts-current-projects/zero-emissions-bus-pilot-program](https://sdmts.com/inside-mts-current-projects/zero-emissions-bus-pilot-program)
- CALeVIP  
[calevip.org](https://calevip.org)
- SDG&E Electrification Projects  
[sdge.com/electrification-projects](https://sdge.com/electrification-projects)