Electric Vehicles and Charging Stations
Plug-in electric vehicles (PEVs) are catching on with consumers, while at the same time playing a big role in the state of California’s plans to cut greenhouse gas emissions. With 1.5 million zero-emission vehicles expected to hit California roads by 2025, there also will be a massive demand for new charging stations.

Converting to Plug-in Electric Vehicles
PEVs come in two types...
- **battery electric**
  - Runs entirely on electricity

- **plug-in hybrids**
  - Have both an electric battery and a gas engine

There are plenty of PEV models available, and plenty of incentives to invest in them. Work is underway to deploy a network of charging stations in the region and the state.

Benefits of Driving an Electric Vehicle
- Switching to a PEV typically reduces fuel costs by half
- Reduced greenhouse gas and air pollutant emissions (zero tailpipe emissions)
- Lower maintenance costs (no oil changes)
- Increased energy independence (less fossil fuels, and powered by increasingly renewable electricity sources)

Clean vehicle rebates
- Up to $2,500 per vehicle purchased

HOV lane access stickers
- Solo EV drivers can use carpool lanes

Federal tax credits
- Up to $7,500

SDG&E EV rates
- Pay lower rates for vehicle charging

Infrastructure Programs
Plug-in SD
- SANDAG and the Center for Sustainable Energy provide guidance on the installation of charging stations.

SDG&E Power Your Drive Program
- SDG&E will install 3,500 charging stations over the next three years.
The region and the state are poised for a rapid expansion of electric vehicle technology in the next five years. The San Diego region currently is home to about 19,000 plug-in vehicles, with that number expected to grow to more than 90,000 by 2020. Statewide, the total number of electric vehicles is expected to grow from about 170,000 to 1 million in that same time frame. There are 377 charging locations in the region (with a total of about 1,000 plug-in points) right now, and that number will grow by more than four times by 2020 (numbers do not include in-home charging). Statewide, the number of public charging plug-in points is expected to expand from 7,400 to more than 46,000 in the same time frame.

**EV Charger Locations**

- Quick charge locations
- Standard charge locations

For more information, call (619) 699-1950 or email: pio@sandag.org

About *info*bits

SANDAG serves as the region’s clearinghouse for information and data. *Info*Bits publish timely, relevant information informing the public while providing context on complex issues facing the region. sandag.org

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