

Santee Cooper Electric Vehicle Overview

THE
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empowerAUTO

Tim Suggs
EV Program Manager
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- EV Task Force
- Fleet adoption
- Charging infrastructure for fleets and employees
- Participate in regional electric vehicle groups
- Collaborate with business and government organizations



Residential Level 2 Charger Program

- Up to \$250 towards the purchase of a qualifying Level 2 Charging Station

Commercial EVOlve Grant Program

- Customers can apply for up to \$25,000 in funding
- Competitive application process

Experimental Residential EV Rates

- REV – Whole home rate
- EVO – Electric vehicle only rate

EVolve Grant Program



- 12 applicants awarded
- Nearly \$200,000 in projects approved
- Projects included 44 level 2 chargers, 2 DCFC, Fleet Conversion, and EV charger location needs assessment
- The 2024 EVolve Grant cycle opened on March 4, 2024 and will close on August 15, 2024.



Residential EV Rates



REV rate	Summer May-Oct	Non-Summer Nov- April	General Rate
On-Peak: 24.63 cents/kWh	1pm-7pm	6am-10am	Summer season - 11.97 cents/kWh
Off-Peak: 8.60 cents/kWh	5am-1pm 7pm-11pm	5am-6am 10am-	Non-summer season - 9.97 cents/kWh
Super Off-Peak:4.18 cents/kWh	11pm-5am	11pm-5am	

- *On-Peak Hours do not include weekends (Saturdays and Sundays) or the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.*
- Annual savings as high as \$505.52
- Average savings for REV customers \$119.93

EV Charging at S/C



**Installed 6
Stations
with 12
charging
ports**

HG Area

- Gardner Lacy:
2 Stations/4 ports
- NMB:
1 Station/2 ports

Moncks Corner

- 2 Stations/4 ports

Conference Center

- 1 Station/2 ports



Customer Resources




EV 101

Home Charger
Installation Guide


EV Savings
Calculator

EV Savings Calculator


Use this EV Savings Calculator to see potential fuel savings from driving an electric vehicle.

 On average, how many miles do you travel daily?


40 miles per day

 How many miles per gallon does your vehicle get?

30 miles per gallon

 What's the current gas price in your area?

\$3.00 per gallon

\$121.67	Monthly Gas Cost
\$38.83	Monthly Utility Cost
 \$82.84	Monthly Savings

This information is provided to help you estimate savings to make your own decisions. Actual savings may vary based on individual factors. This estimate uses the current average fuel efficiency of EVs in the US market (3.5 miles per kWh), and Santee Cooper's average residential energy charges on the RG rate. Fuel efficiency may vary based on your particular EV.

Level 1 Charger

Current: 120 volts (standard outlet)

Ideal Vehicle: PHEV

Charge Time: 3 to 5 miles of range per hour

Level 2 Charger

Current: 240-volts (same as a typical dryer outlet)

Ideal Vehicle: PHEV or BEV

Charge Time: 16 to 60 miles of range per hour

DC Fast Charger

Current: 480+ volts

Ideal Vehicle: BEV

Charge Time: 20 to 30 minutes gives you approximately an 80% charge



Preparing for EVs



Monitor known EV customers

Forecast load growth from EVs in our Integrated Resource Plan

Benchmark with utilities that have higher EV adoption

Continue to develop programs that will encourage off-peak charging

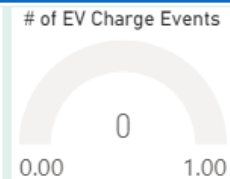
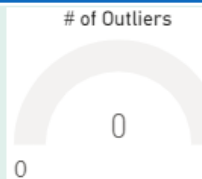
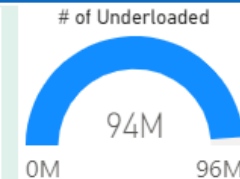
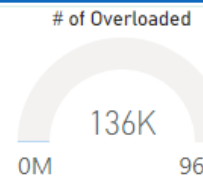
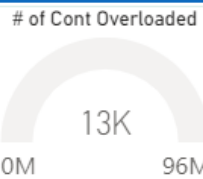
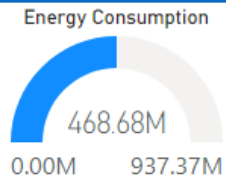
Remain proactive in monitoring EV adoption and make upgrades to the grid as necessary

Smart EV Planning: Location Detection, Infrastructure, and Load Management



Transformers Bank > Premises

Distribution Network View --> Filter by Transformer Bank and Type

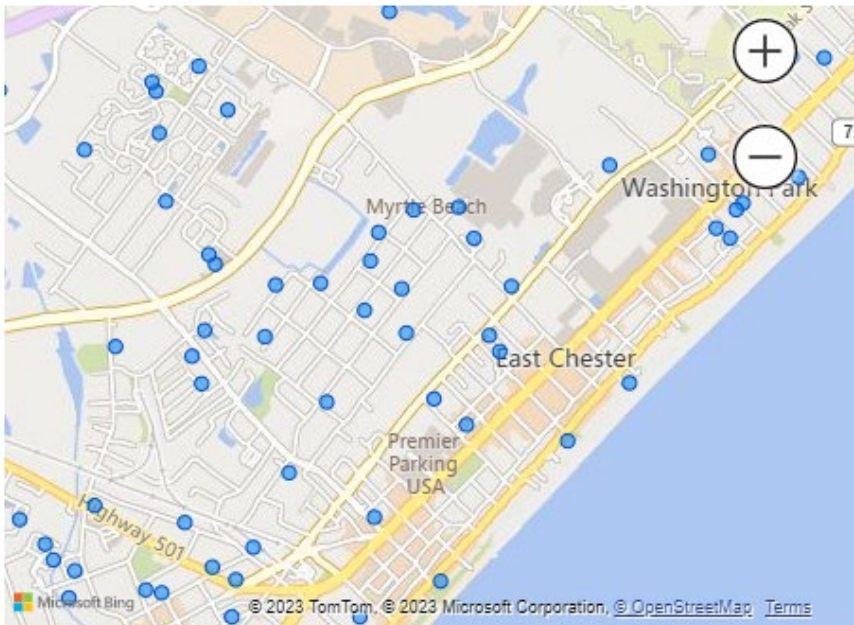


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Questions?

