



SOUTHERN CALIFORNIA
EDISON

Energy for What's Ahead®

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*SCE's Charge Ready Transport Program
& EV Fleet Costs*

Lisa Arellanes

Senior Manager, eMobility Business
Development & Partnerships



About Southern California Edison – An Edison International Company

Who We Are

- One of the nation's largest electric utilities
- Headquarters in Rosemead, California
- More than 130 years of history

Who We Serve

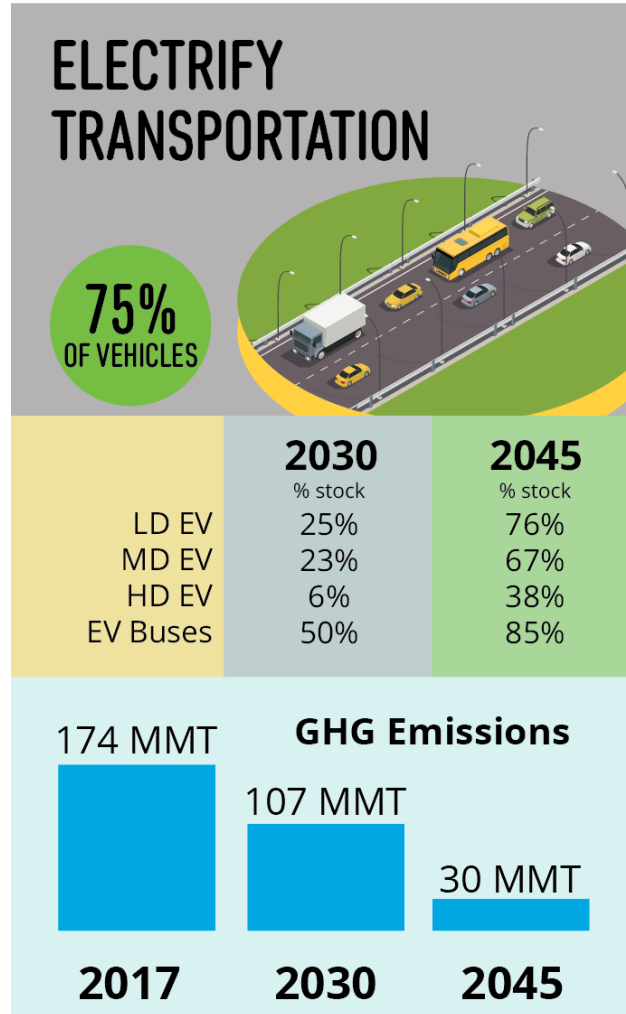
- 50,000 square miles of SCE service area across Central, Coastal and Southern California
- 15 million residents in service territory
- 5 million customer accounts

Clean Energy

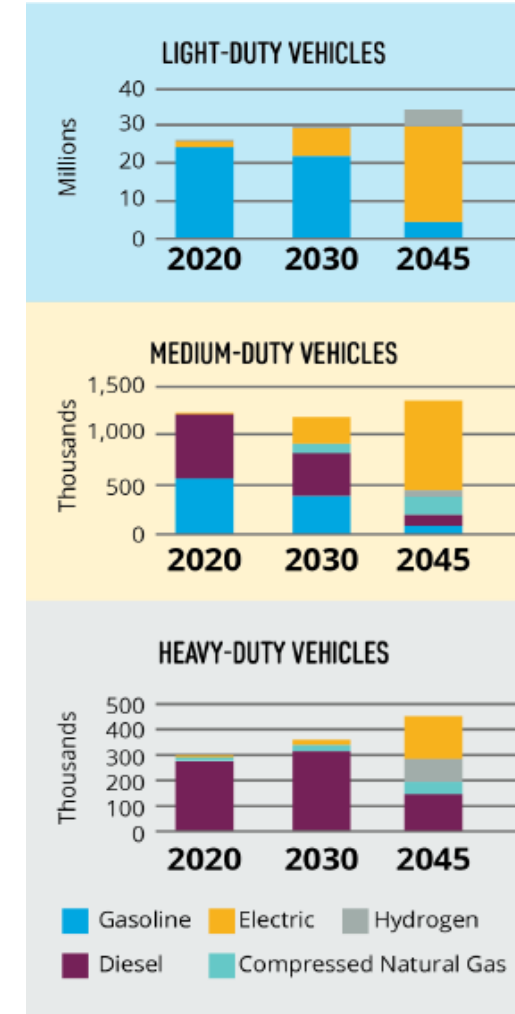
- About 48 percent of the electricity that SCE delivers to customers comes from carbon-free resources, including solar and wind. (2019)
- More than 3,600 rooftop solar installations connected on average per month (2018)
- No. 1 utility for energy storage nationally, according to the Smart Electric Power Alliance (2018)



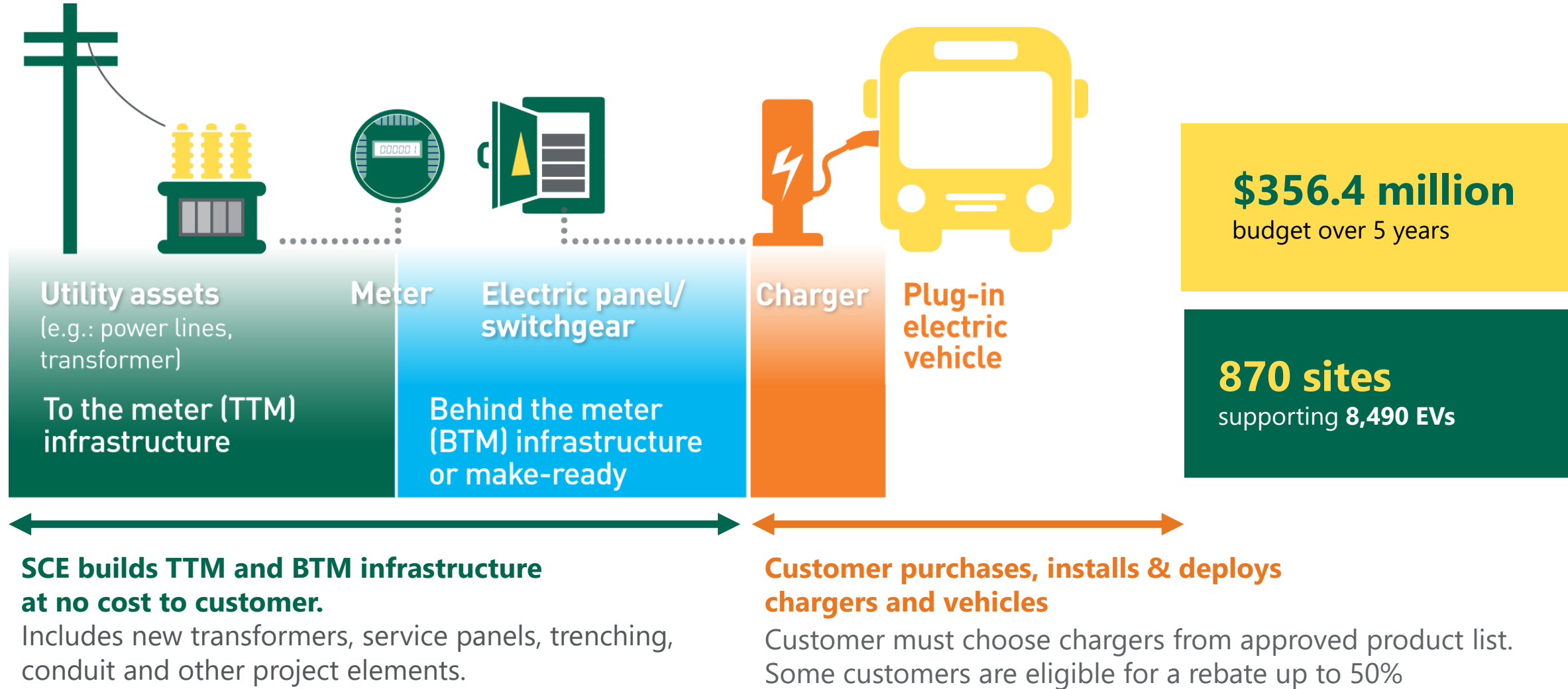
Transportation Electrification Pathway to 2045



- By **2045, 26 million** passenger vehicles on the road need to be electric, which equals **three-quarters of all cars**.
- For **medium-duty vehicles two-thirds**, or **900,000** need to be electric and for **heavy-duty** the number of vehicles needed is **one-third** or **170,000**.
 - Low-carbon fuels play a significant role for heavy-duty vehicles and remove more than half of the carbon emissions in this segment



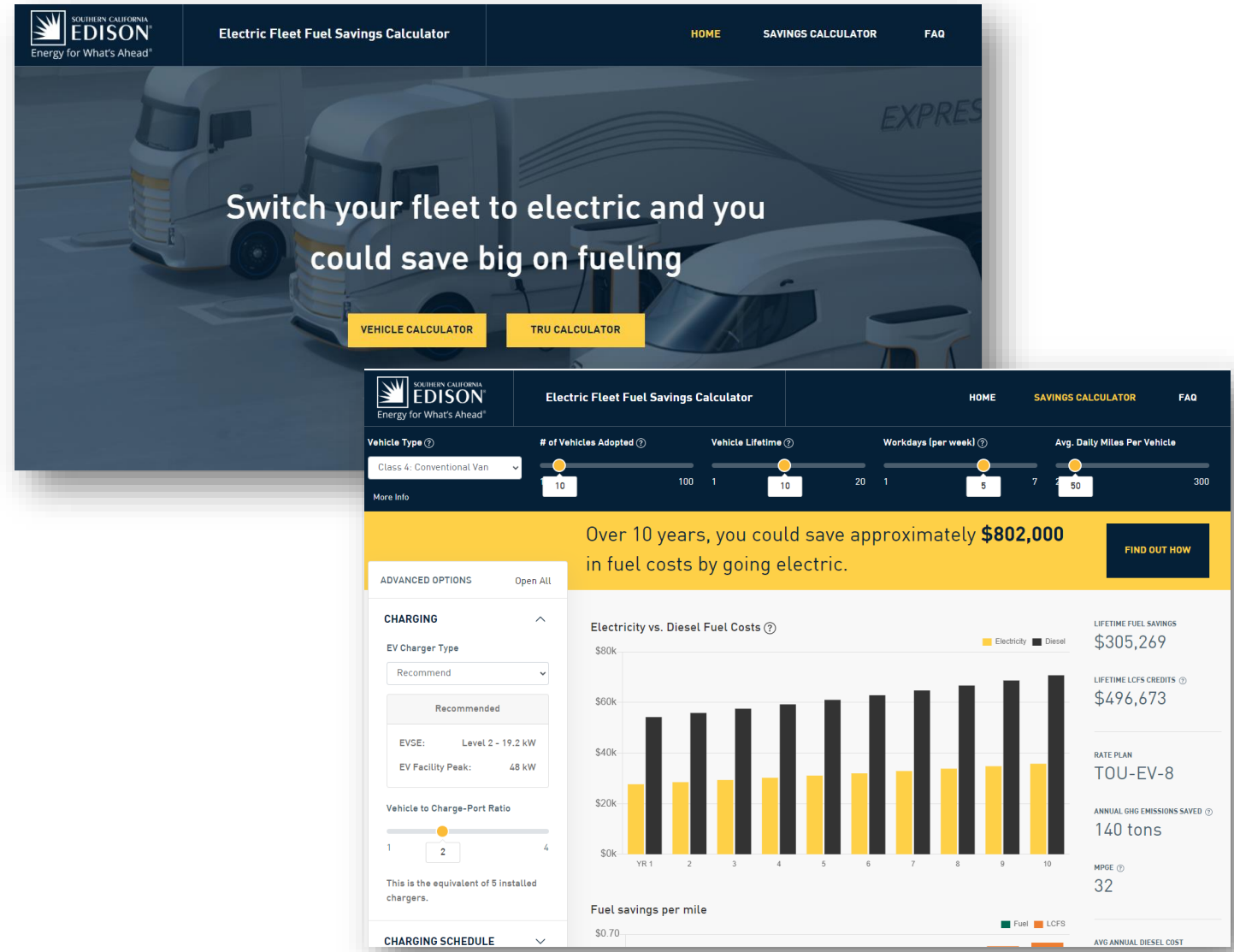
Charge Ready Transport Covers the Cost to Build EV Charging Infrastructure



SCE Fleet Fueling Calculator

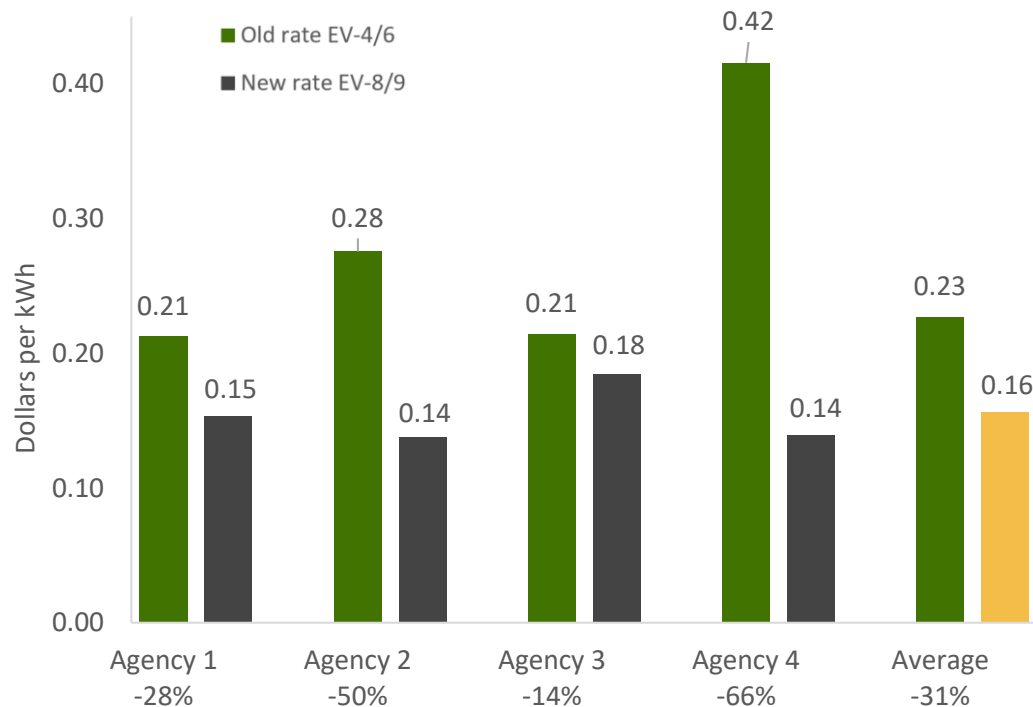
- After completing a simple wizard, users will see estimated savings by switching to EVs
- The tool helps calculate:
 - Electric fuel savings
 - Electric and diesel cost comparisons
 - LCFS credits earned
 - GHG emissions saved
 - Recommended charging level

[Fleetfuelcalculator.sce.com](https://fleetfuelcalculator.sce.com)



SCE's new EV rates (EV-8/9) reduced fleet electricity costs by 31% on average

Electricity costs dropped as much as 66%
from old EV rates to new EV rates

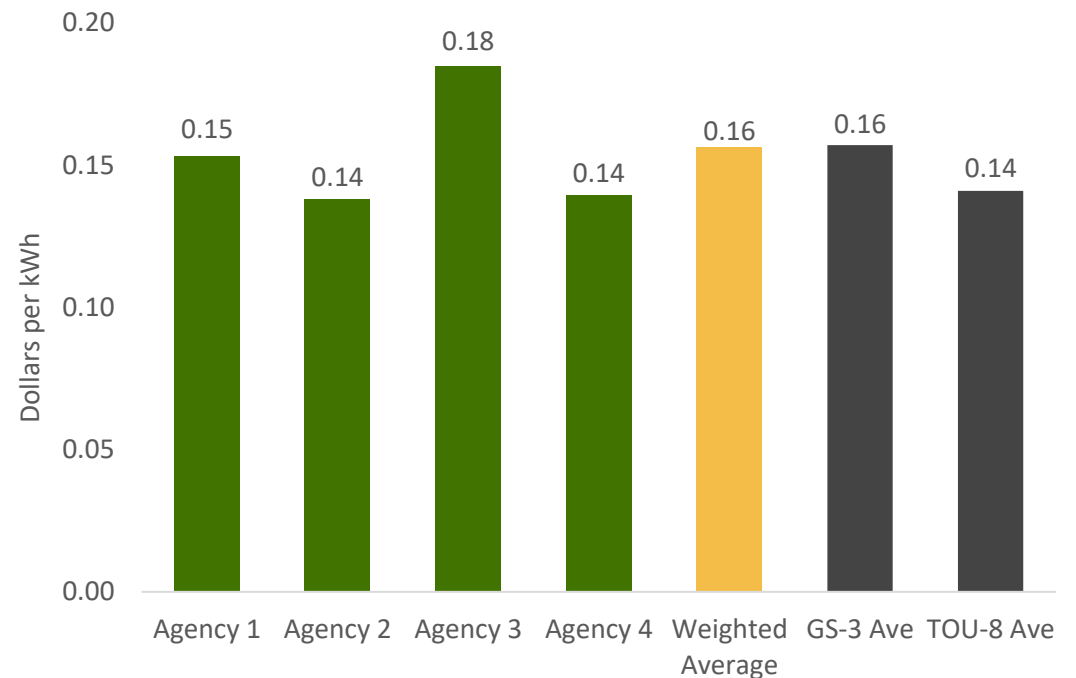


- In 2019 we switched from old rates (EV-4, EV-6) to new rates (EV-8, EV-9). This slide shows the savings from old to new.
- This comparison is a projection of what the 2019 electricity bills would have been under old rates to what 2019 costs would have been under new rates.
- As a weighted average, the transit fleet costs dropped 31% from old to new, from 23 cents per kwh to 16 cents. All fleets saw decreases from old to new rates.
- The greatest drop was 66%, which previously had the highest average cost (42 cents per kwh). The fleet had been incurring large demand charges under the old rates, which drove up costs.

Under new rates, average costs dropped to 16 cents per kwh, with a tighter spread between highest and lowest

- This slide projects what the 2019 costs would have been if the entire year was under the new EV-8 / EV-9 rates.
- Under this projection, the weighted average cost for 4 transit agencies drops to 16 cents per kwh. This is equal to the system-average cost for GS-3 and close to the system-average cost for TOU-8 (14 cents per kwh)
- The spread between highest cost and lowest cost is much tighter – from 14 cents to 18 cents. This is a deviation of less than 20% from the average.
- This implies price stability across a wide range of use cases – overnight charging, daytime charging, very large fleets, smaller fleets. Provides price confidence for customers just dipping their toes in the water.

Using new EV-8/9 rates, EV transit bus fuel costs ranged from 14 to 18 cents per kwh



Join us on this ride.

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