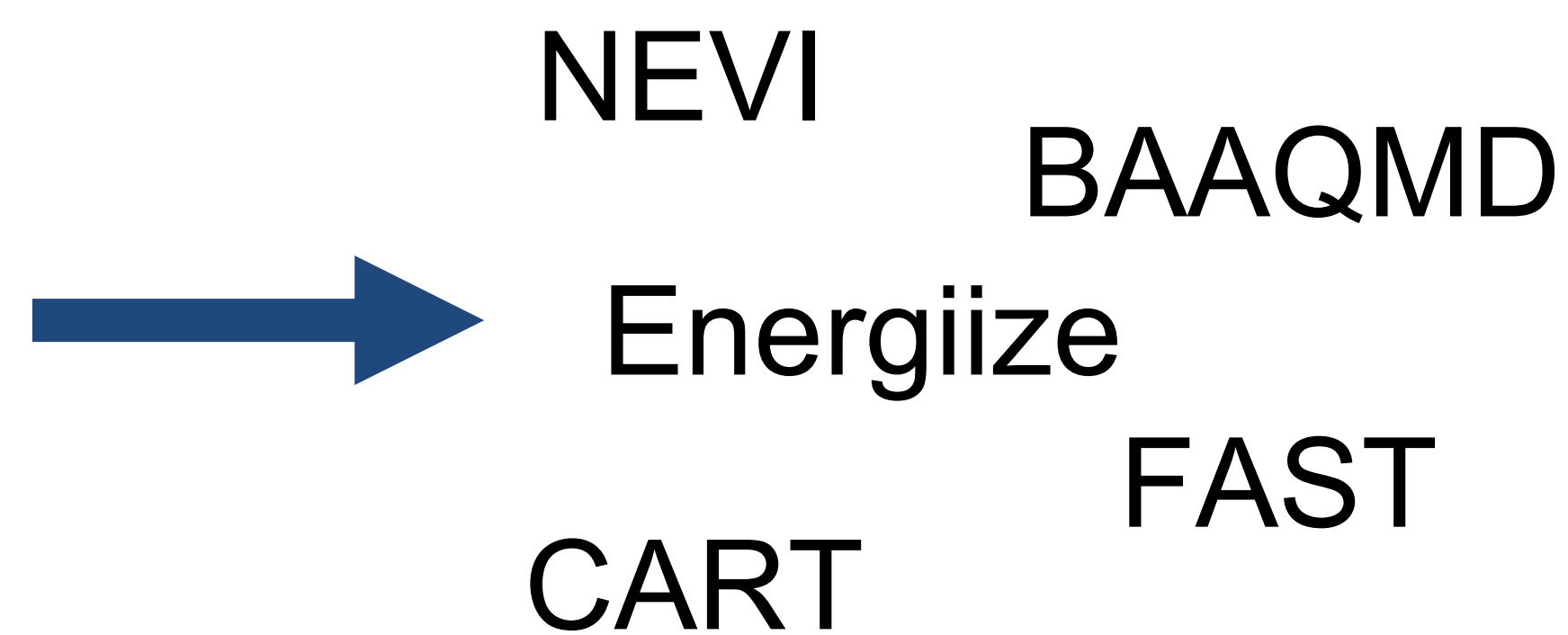


## County Fleet Electrification Goals

Alameda County operates over a thousand vehicles to enable employees to deliver crucial community services. The County has long been a leader in fleet electrification and green fleets, recognized each year since 2009 by the NAFA Green Fleet Awards.

Alameda County continues to electrify our fleet in accordance with the California Air Resource Board's Advanced Clean Fleets regulation. In the next **~10 years**, we plan to **replace 881 internal combustion fleet vehicles** with electric vehicles (EVs). To ensure the added EVs can be charged and ready for use, we plan to add **246 new EV chargers** to the existing County infrastructure. The Sustainable Transportation team oversees this transition.



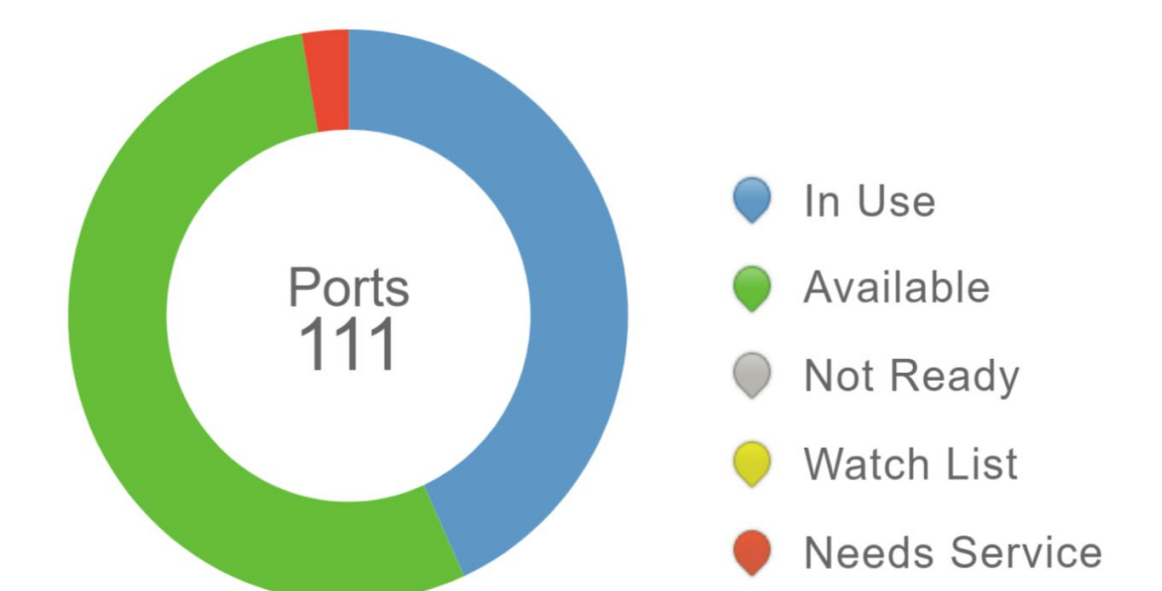
Alameda County General Services Agency Logistics Services has found partners, such as those above at left, who connect us to the newest EV technologies and approaches. These public-private partnerships are also essential in order to maximize and obtain cutting edge grants and incentive programs. Those shown above at right are programs currently pursued by the County.

## Achievements and Results

Since 2013, County charging infrastructure has avoided **839,109 kg** of greenhouse gas emissions, compared to using fossil fuel.

The **81 EVs** already in the County EV fleet avoid **5,200 kg** of greenhouse gas emissions **yearly** compared to gas vehicles.

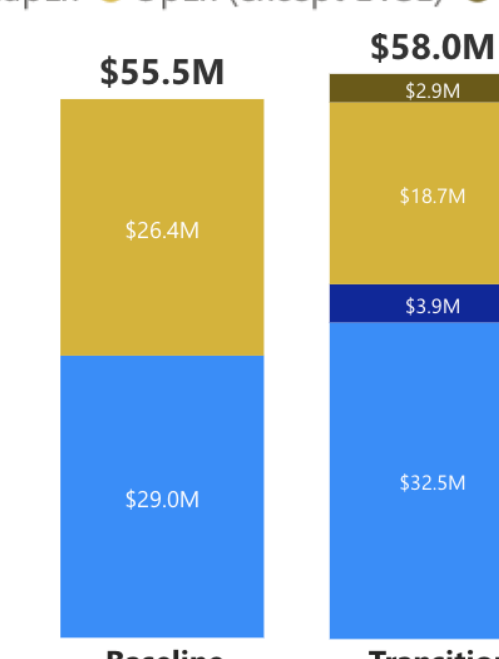
Stations



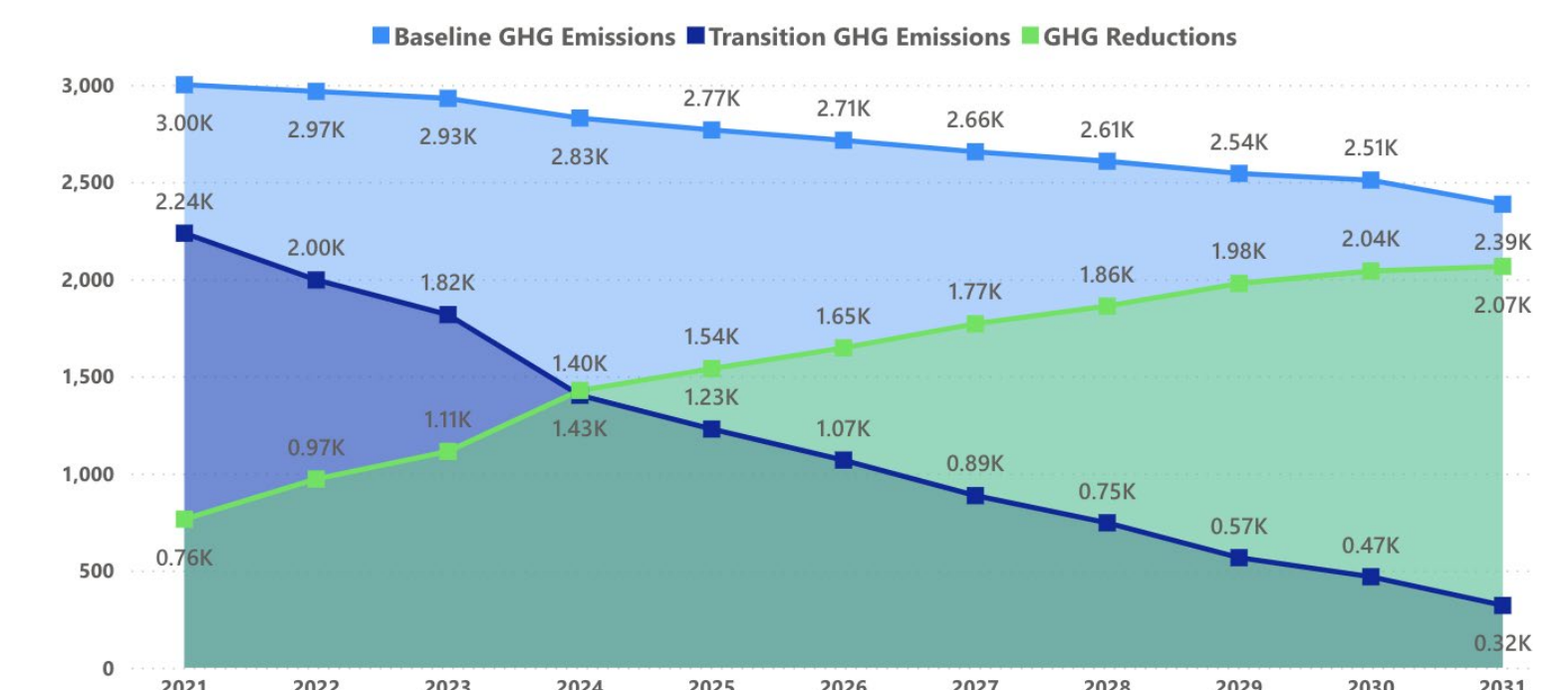
*We remotely monitor the status of EV charging stations to keep them ready.*

## Investment Needed for Full Benefits

Vehicle CapEx EVSE/PV CapEx OpEx (except EVSE) EVSE OpEx



Full fleet electrification requires an additional investment of approximately **\$2.5 million** over a ~10-year period compared to a baseline scenario. As shown above, EVs purchasing adds \$3.5 million, EV supply equipment adds \$3.9 million, and operation/maintenance of EV supply equipment adds \$2.9 million (\$10.3 million total). These costs are offset by \$7.7 million in operational savings from Low Carbon Fuel Standard credits as well as reduced vehicle fuel and maintenance costs.



A complete fleet transition to EVs, as required to comply with state mandates, is estimated by Frontier Energy to **reduce GHG emissions** by more than **17,000 metric tons MTCO<sub>2</sub>e** over a ~10-year period. Other benefits include reduced air pollution and increased energy security.

