

Existing Barriers to EV Deployment Prince George's County



Jurisdictional



- Policy and Administration Issues
- EV adoption and minimize grid impact
- Facilitate and increase the adoption of electric vehicles

Policy and Administration



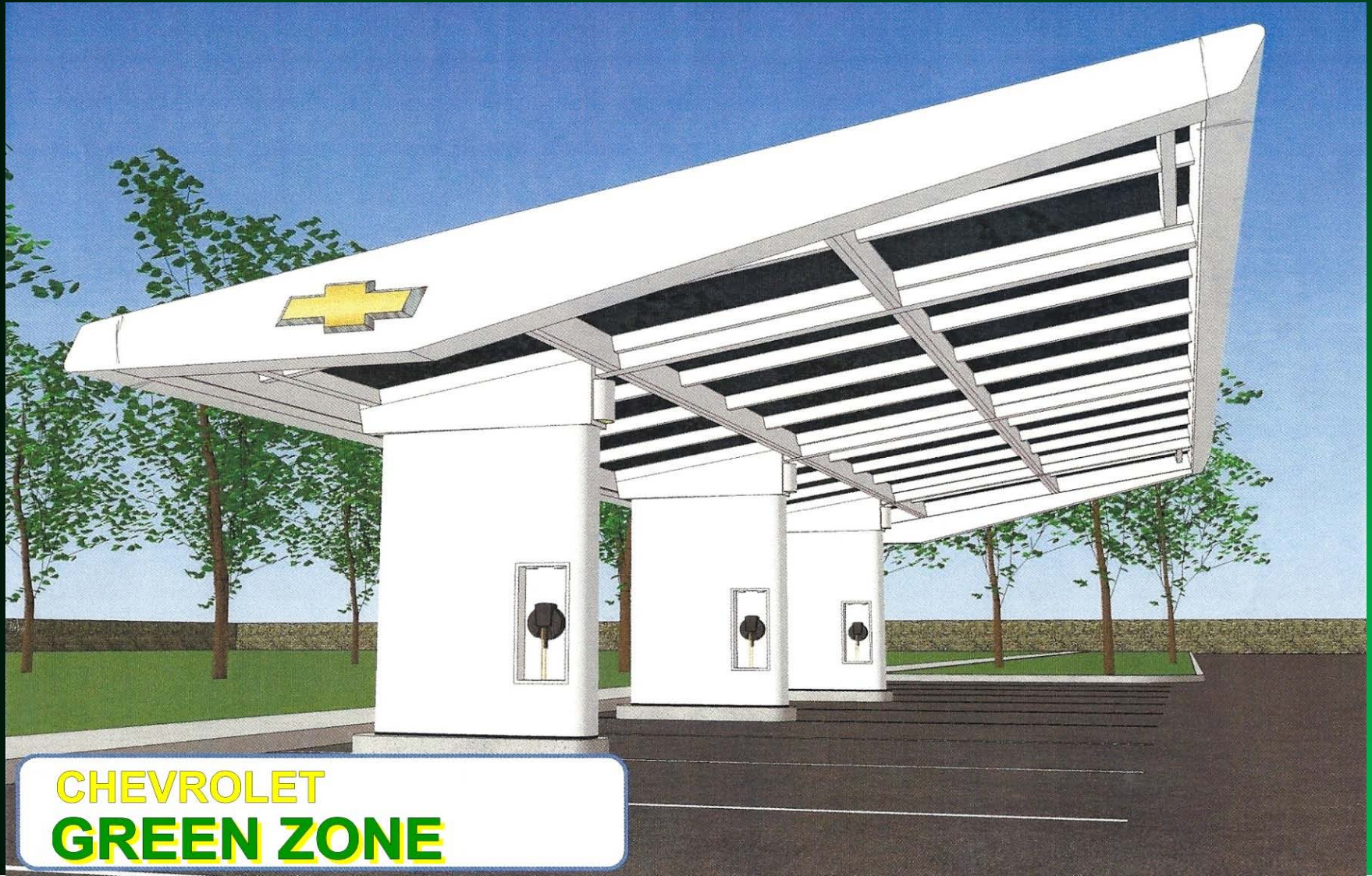
- Promote EV cost reductions and make competitive with conventional vehicles
- Advance energy security, air quality, climate change, and public health goals;
- Educate and ensure positive experiences with EVs
- Facilitate mainstream adoption of EVs

EV Adaption/Grid Impact



- EV rebates to reduce upfront costs (major barrier)
- EV Five Year rebate offers up front savings for EV consumers
- Annual EV rebates will create an EV ownership incentive
- Upfront rebates combined with outreach and education and Time-of-Use (TOU) rates to cut grid impact

Facilitate/increase the adoption of electric vehicles



Prince George's EV Barriers

- Prince George's County has limited resources to mitigate up-front EV cost but can use other policy levers to affect TCO of EVs
- Prince George's will need an EV strategy and specific programs that address circumstances, objectives and stakeholder's
- Use of regulatory influence to create EV charging infrastructure in collaboration with private investors for subsidies and rebates
- Resident and Consumer acceptance
- Be aware of technological uncertainties and not commit prematurely



Successes



- Presently Prince George's county has 18 EV charging stations
- 2013 – opening Propane Autogas fueling station at Facility Operations in Forestville and placing (5) dedicated propane vans for FOM into service
- Downsized General Services courier vans from $\frac{3}{4}$ ton cargo vans to 4-cylinder Transit Connect vans; 45% increase in fuel economy for these vehicles
- Updated Correction Department K-9 vehicles with Ford Escapes with 4-cylinder "Ecoboost" engines; 53% increase in fuel economy for these vehicles

References

- International Council on Clean Transportation
- Government Innovators Network
- US Dept. of Energy
- Prince George's County DER, OCS

