

Protect Our Coast: Drive Electric

TBRPC August 2019



About Us

The Southern Alliance for Clean Energy (SACE) is a regional membership organization that promotes responsible energy choices to ensure clean, safe, and healthy communities throughout the Southeast.

Presenter

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Electrify the South

Website:

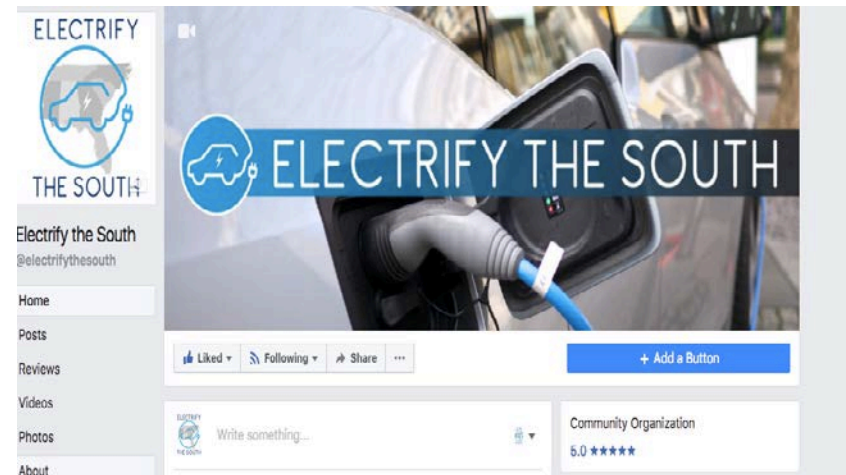
ELECTRIFY



THE SOUTH

ElectrifyTheSouth.org

Facebook:



@ElectrifyTheSouth

Why Electric Vehicles?

The transportation sector is now the [largest source](#) of carbon dioxide (CO₂) pollution the United States.



What is an EV?

INTERNAL COMBUSTION ENGINE

ElectrifyTheSouth.org



HYBRID



+



PLUG-IN HYBRID ELECTRIC VEHICLE



+

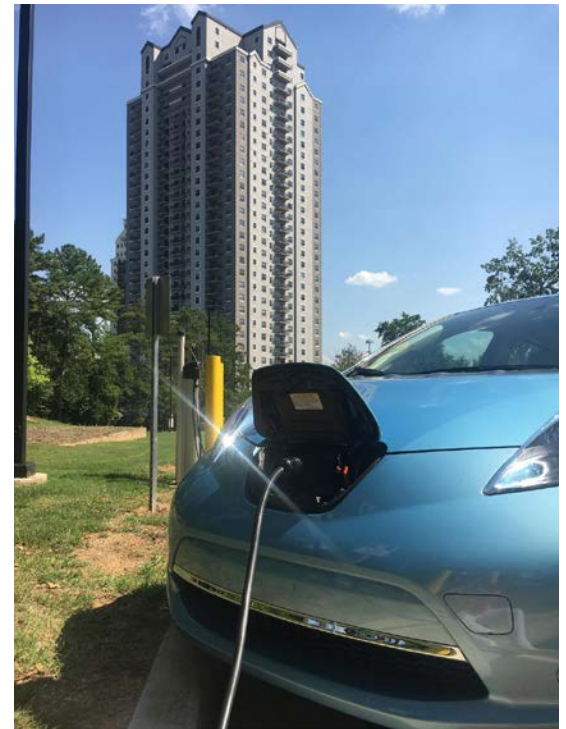


ELECTRIC VEHICLE



Benefits of Electric Vehicles (EVs)

- **EVs save money** – low fuel and maintenance costs
- **EVs save time**– no more gas stations or oil changes
- **EVs protect public health & the environment**



Lower Fuel Costs

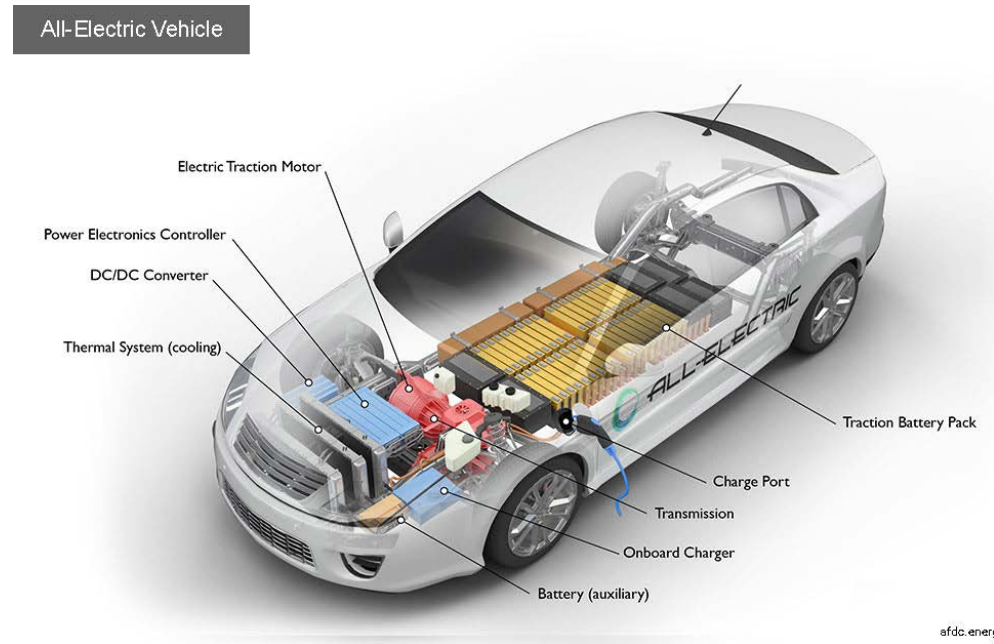
- It costs about 3.5 cents per mile to drive electric.
- It costs about 10 cents per mile to drive a gas-powered car if your car gets 23 mpg and gas is \$2.25.

Model	Cost per mile (cents)	200 miles cost (dollars)
Electric	3.5	\$7
Gasoline	10	\$20

*Assuming \$2.25 cost per gallon of gasoline and 23mpg
Assuming 33.7kW/h= 1 gallon and \$.12/kWh and 115mpge

Lower Maintenance Costs

- EVs require less maintenance than traditional Internal Combustible Engine (ICE vehicles).
- Additionally, time spent on maintenance is reduced.
- [20 moving parts vs 2,000](#)



Driving Electric Protects Public Health

- No polluting tail pipe emissions mean cleaner air.
- Even when powered from coal generated electricity, [EVs are cleaner.](#)



US Average (EV sales-weighted): 80 MPG

Union of Concerned Scientists
2018 Report

Electric Vehicles Can Replace Offshore Drilling



New Campaign: Protect Our Coast – Drive Electric

- **Goal:** local governments accelerate the transition to electric vehicles by adopting targeted policies
- **Outcomes:** reduce need for offshore oil and gas drilling, cleaner environment, better public health, and equitable access to benefits of EVs

Partners



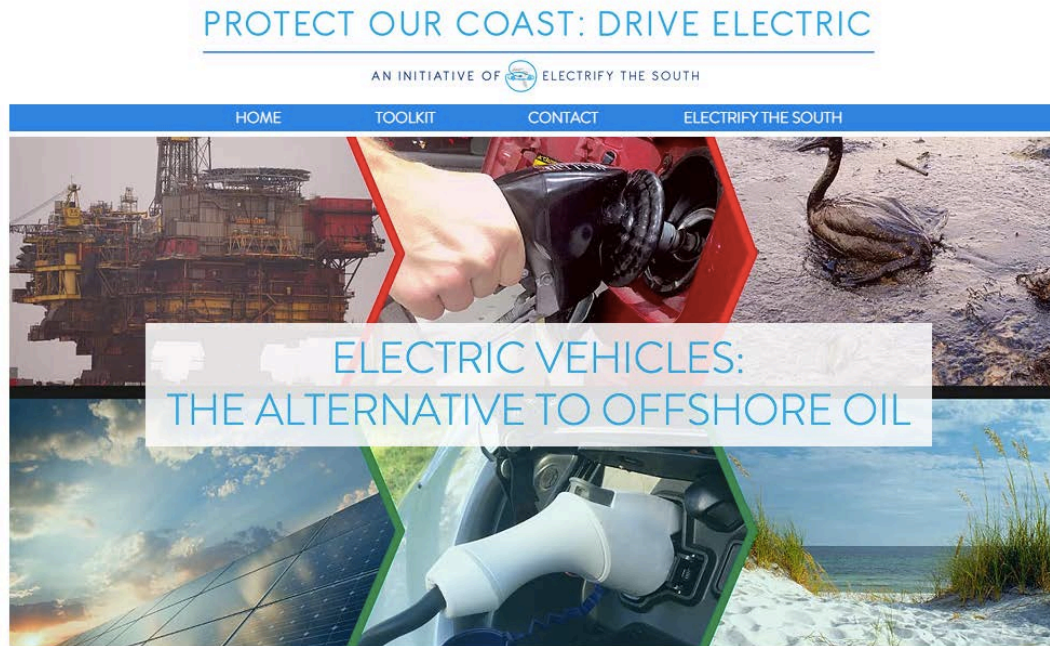
Contact us to join:

dory@cleanenergy.org

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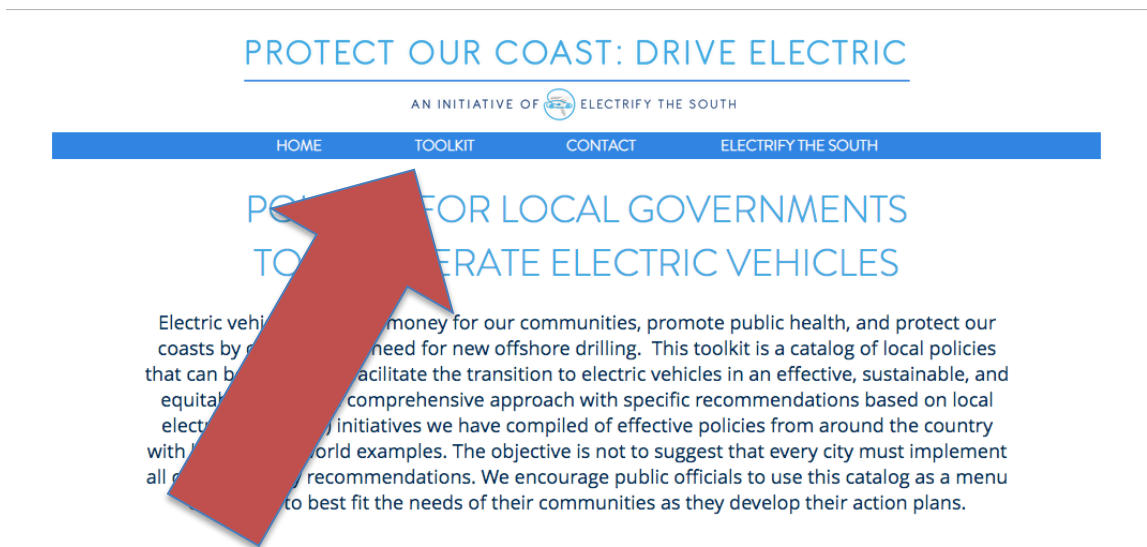
Policy Guide or 'Toolkit'

<https://www.electrifythesouth.org/coast>



Toolkit

- 8 categories
- Website
- PDF downloadable



1. Create A Plan

- Create a framework
- Incorporate the 8 categories
- Look for federal and state funds



2. Establish EV Fleet Goals

- Examples of ways to develop goals
- Examples of resolutions
- Climate Mayors Purchasing Collaborative



3. Promote EV Charging Access and Infrastructure

- EV Ready Building Codes
- Streamlining the permitting process
- Workplace charging



4. Education and Outreach

- Adding information about EVs to your community's website
- Hosting EV events
 - Presentations
 - Ride and Drives (SACE: Driving on Sunshine)



5. Incentivize Electric Driving

- Parking incentives
- Reducing/waiving fees for permitting



6. Establish Public Transportation Goals

- Public Transportation
- School buses
- Electric shuttle services
- VW Settlement funds



Volkswagen Settlement

- \$166 million
- Draft plan: 15% EV charging infrastructure, 70% buses (transit, school, shuttle) 15% DERA
- VWMitigation@FloridaDEP.gov by 5:00 PM EST, Friday, August 16, 2019
- RFPs after that point
- Happy to connect on this

7. Expand Equity and Access

- Prioritizing frontline communities
- Vouchers or rebates
- Outreach in frontline communities



8. Work With Local Utilities

- EV charging infrastructure
- Charger pilot program



Driving on Sunshine

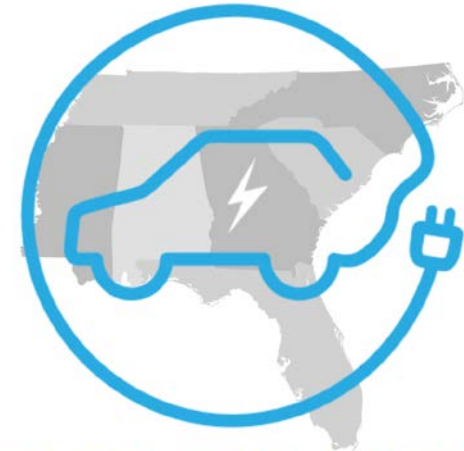


TEST DRIVE AN ELECTRIC VEHICLE
IN THE SUNSHINE STATE

Let's Connect

- Contact Dory Larsen at dory@cleanenergy.org
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