



# SOUTHEAST REGIONAL EV READINESS & PLANNING PROGRAM OVERVIEW

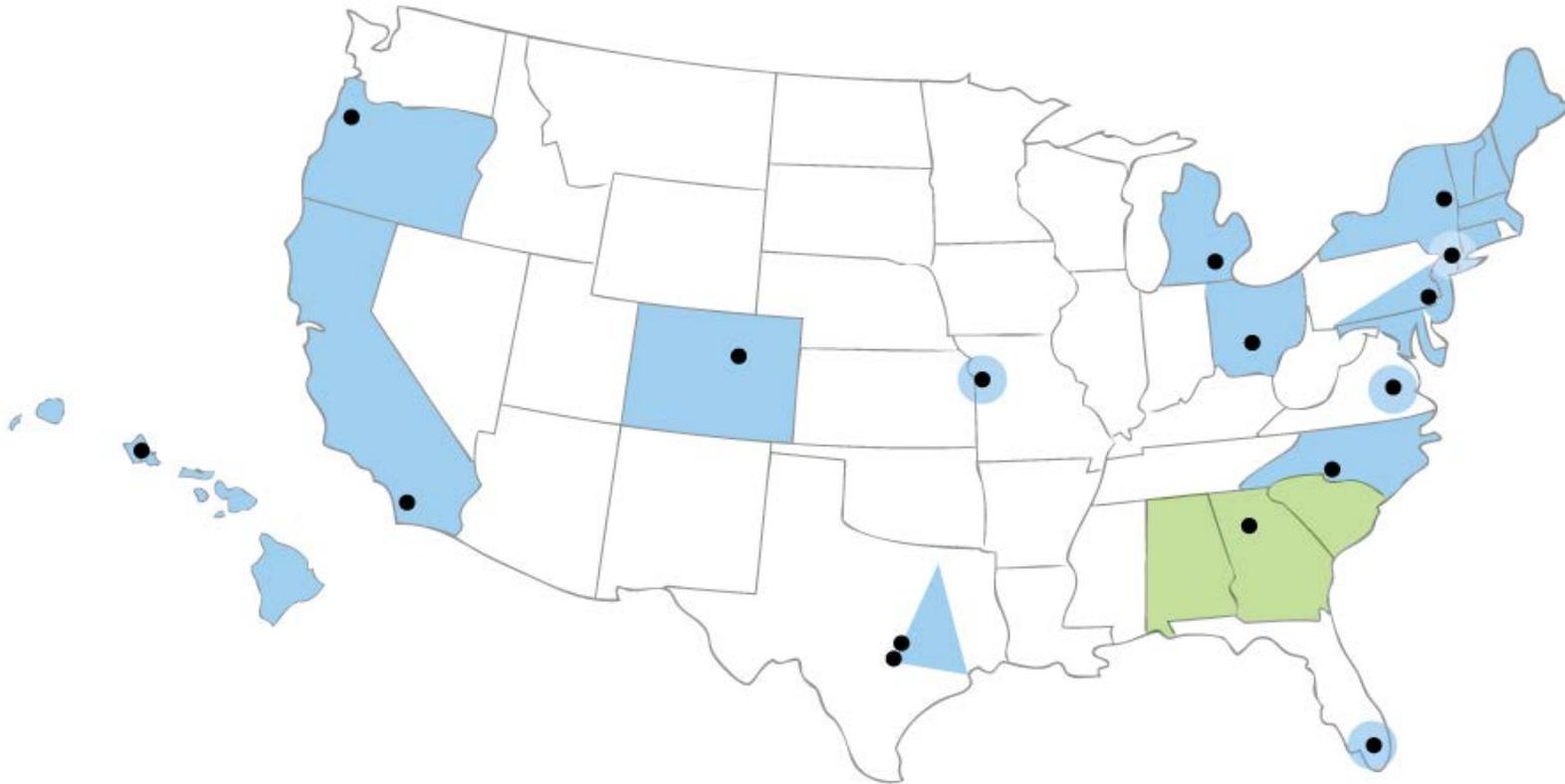
## *Southeast Regional EV Readiness Planning Program*



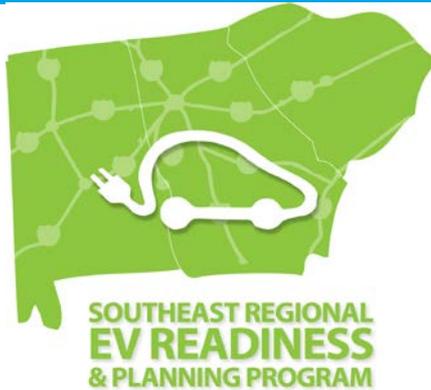
# Southeast Regional EV Readiness Planning Program Overview



## *Clean Cities' Community Readiness and Planning for Plug-In Electric Vehicles and Charging Infrastructure*



*The Southeast Regional EV Readiness Planning Program is unique with a 3-state partnership*



## *Key Activities*

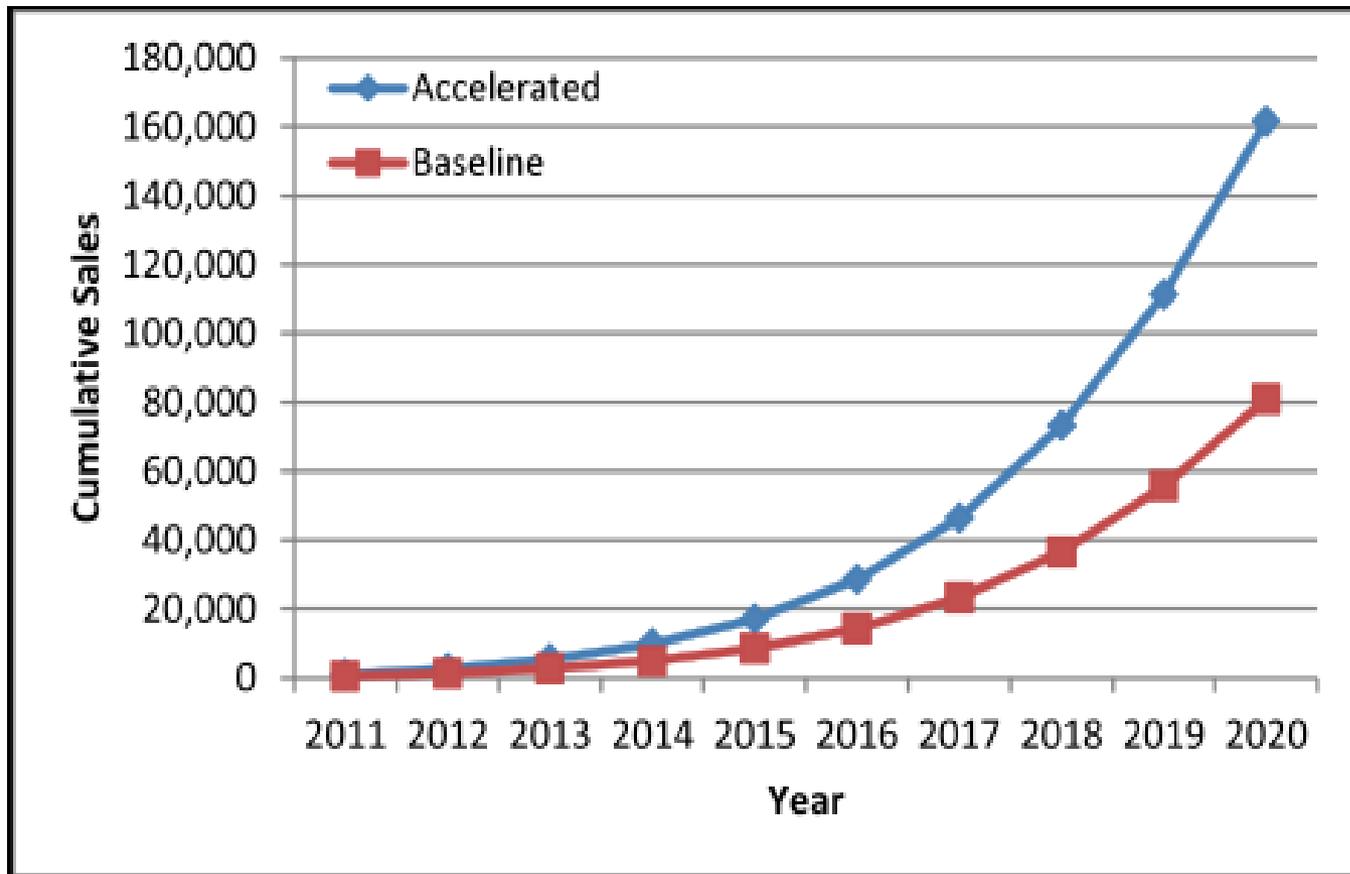
1. Forecast demand for EVs and distribution of charging infrastructure
2. Assess impact to electrical grid/smart grid
3. Understand local, state, and regional barriers to EV deployment and develop solutions
4. Develop workbook to assist communities with EV Readiness
5. Educate stakeholders on their role in supporting EV Readiness



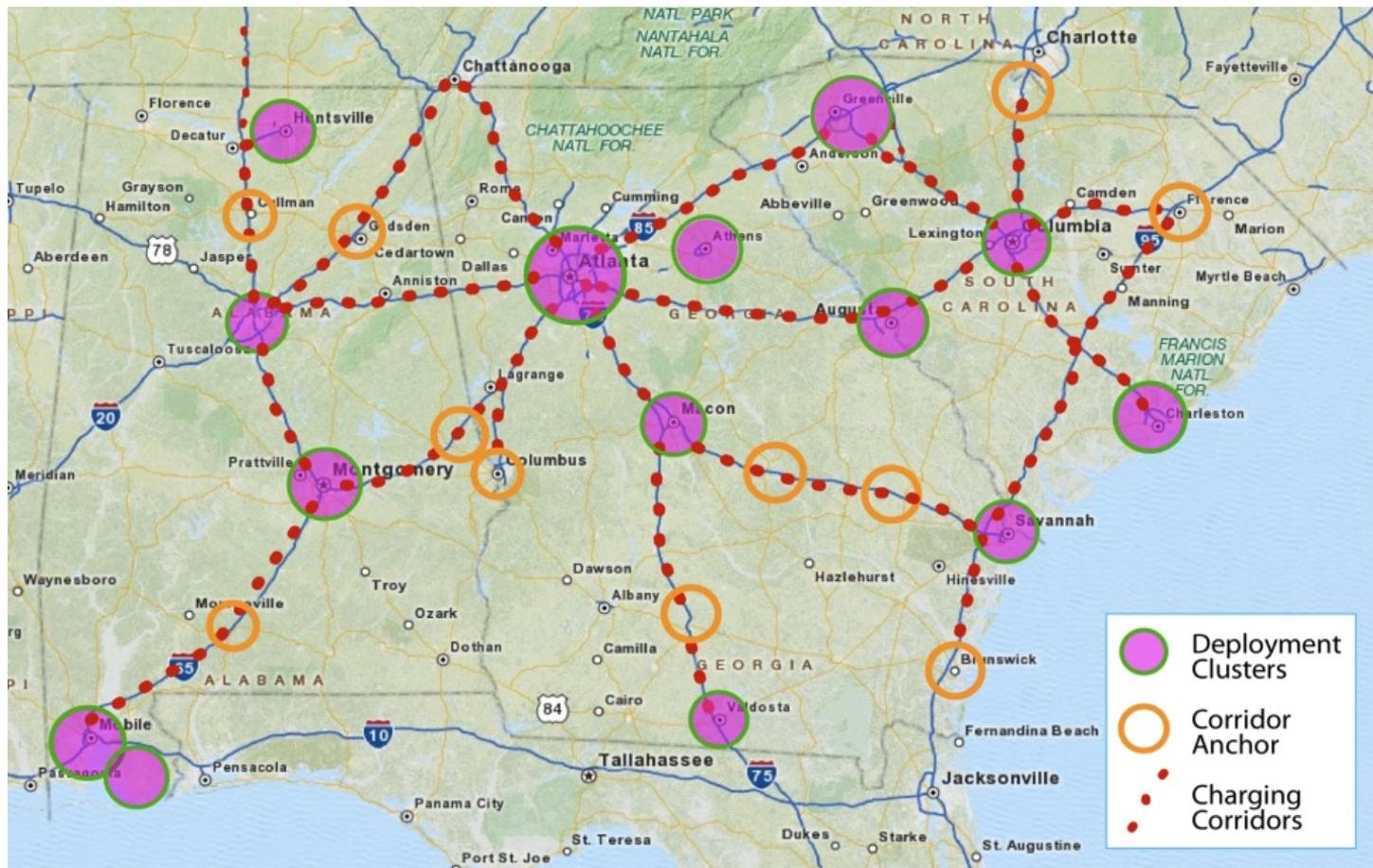
**SOUTHEAST REGIONAL  
EV READINESS  
& PLANNING PROGRAM  
OVERVIEW**

**What we've  
learned...**

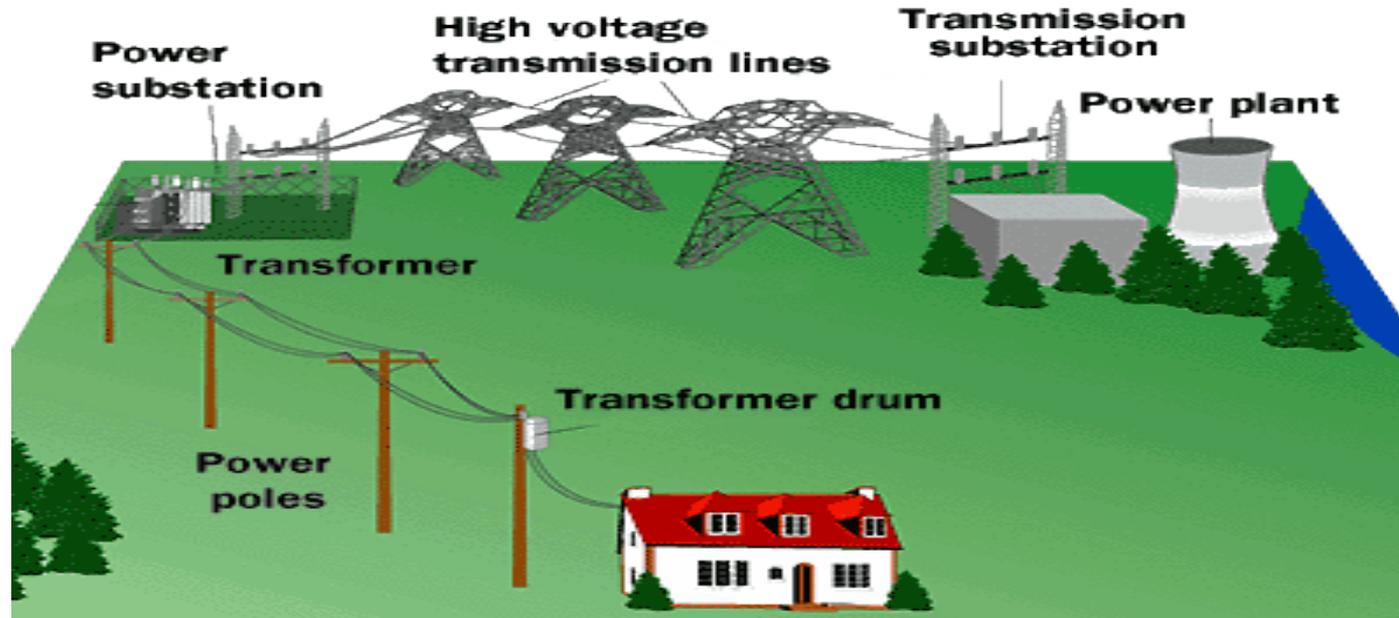
## *Demand Forecasts*



## Grid Impact Analysis



## ***Grid Impact Analysis***



THE PEAK LOADING REPORT LOOKED AT EXPECTED LOADS IN EACH CLUSTER ZIP CODE versus AVAILABLE SERVICE.

***For the foreseeable future (with 1 million EVs in the tri-states), all electric utility challenges will be adequately addressed by the utilities***

## *Identify barriers to EV/EVSE Deployment*



## ***Identify barriers to EV/EVSE Deployment***

Barrier/Solution Workshops - 10 workshops in 3 states

- Property/Facility Managers
- Fleet Managers
- Government
- Electrical Contractor
- EVSE
- EV OEM
- Utility

## ***Develop and distribute workbook to assist communities with EV Readiness***

### ***Phase I***

Pilot Cities Project with  
Spartanburg, SC &  
Athens, GA

### ***Phase II***

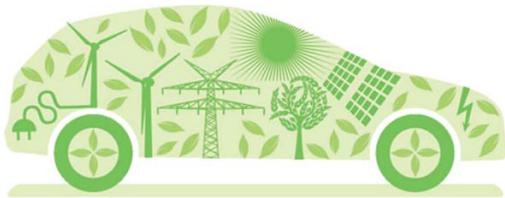
***Distribute*** SEREVRPP  
Workbook

## **SOUTHEAST REGIONAL EV READINESS WORKBOOK**



## ***Develop and distribute workbook to assist communities with EV Readiness***

### **SOUTHEAST REGIONAL EV READINESS WORKBOOK**



**Section I:** Provides an overview of the objectives of EV Readiness, current state, and benefits of large-scale adoption of EV's

**Section II:** Provides a checklist and description of actions that each stakeholder group should take to improve EV Readiness

**Section III:** Includes case studies, installation guides, model ordinances, and external resources available to support EV Readiness activities

### ***Version 2 of the EV Readiness Workbook***

Incorporating the DOE PEV Readiness Scorecard into the workbook



October 2012  
1st Edition

## *Education & Outreach*

# *Southeast Electric Vehicle Readiness Conferences*

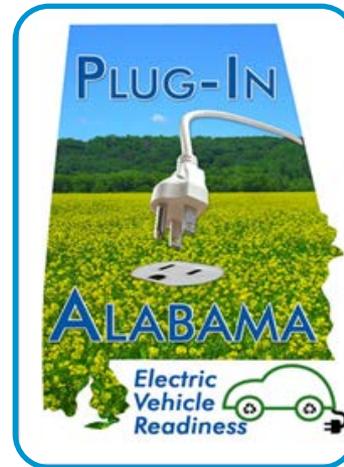
**10/23/12-** Columbia Metropolitan  
Convention Center

**10/24/12-** Atlanta Civic Center

**1/26/12-** Montgomery Convention  
Center



## *Education & Outreach*



## LEV Certification Program

- EPD “certifies” alternative fuel vehicles that qualify for state income tax credits
  - Dedicated AFVs only
  - 10% of cost of AFV up to \$2,500
  - 20% of cost of electric vehicles up to \$5,000
  - 10% of cost of conversion up to \$2,500
  - 10% of cost of electric vehicle chargers up to \$2,500 for business enterprises

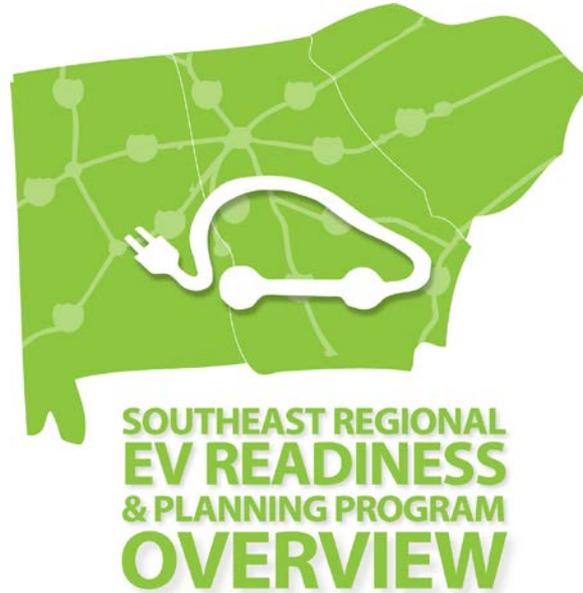
## Alternative Fuel License Plates

- Provides access to HOV/HOT lanes with a single occupant
- Vehicle must operate on alternative fuel 85% of the time
- Administered by the Department of Revenue’s Motor Vehicle Division
- EPD provides list of qualified alternative fueled vehicles

## Georgia LEV Tax Credits

- **2010** ..... 2 Certificates issued
- **2011** ..... 85 Certificates issued
- **2012** ..... 269 Certificates issued

	Low-Emission Vehicle Credit	Zero-Emission Vehicle Credit	Totals
Year	Utilized	Utilized	Utilized
2009	\$ 11,619	\$ 2,222	\$ 13,841
2010	\$ 15,294	\$ 2,631	\$ 17,925
2011	\$ 101,109	\$ 184,933	\$ 286,042
<b>Totals</b>	<b>\$ 128,022</b>	<b>\$ 189,786</b>	<b>\$ 317,808</b>



***Questions?***