

# Electric Vehicle Incentives in SEC States



## Overview of Electric Vehicle Infrastructure and Incentive Structures in Southeastern Conference States

Electric vehicles (EV) are increasingly being adopted worldwide for their numerous benefits. These benefits include lower operating costs, higher efficiency, decreased carbon emissions, and lower air pollution among others.<sup>1</sup> EV infrastructure and consumer incentive programs support and encourage the adoption of EVs in the United States. This report provides an overview and listing by state of existing electric vehicle charging infrastructure, regulations, and consumer incentives programs put in place by the Southeastern Conference (SEC) states to generate viable demand for electric vehicles and achieve local energy, air quality and industrial development goals.

- **Alabama**

- **Incentives**

- Alabama DOT will begin offering grants for electric vehicle supply equipment (EVSE) installation through the Electric Transportation Infrastructure Grant Program.<sup>2</sup>
    - Alabama Power offers a charging incentive to single residences and individual family apartments as an optional Rate Rider for plug-in electric vehicles (PEVs): if charging occurs between 9pm - 5am, the customer will receive a discount of 1.7155 cents per kWh. Using a PEV for non-residential purchases may qualify the owner for the Alabama Power Business EV Time-of-Use Rate (BEVT). For this tariff, the electricity to charge the EV battery is metered separately from all other electricity use, and is billed according to time of year and time of day.
    - AL Insurance companies may offer discounts on PEVs. Additionally, PEVs and charging infrastructure are property tax exempt.
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- **Infrastructure**

- Grant program created by the Rebuild Alabama Act. Portion of the EV and plug-in hybrid electric vehicle tax will support the development of vehicle transportation charging infrastructure up until battery electric vehicles exceed four percent of the total annual registrations of all motor vehicles in the state.
    - Alabama has 115 charging locations and 268 charging outlets.<sup>3</sup>

- **Battery Electric Vehicle and Plug-in Hybrid Vehicle Registration Fees**
  - In Alabama, a battery electric vehicle (BEV) is defined as a motor vehicle that draws propulsion energy solely or primarily from onboard sources of stored electric energy from a plug-in rechargeable electric energy storage system and does not have an internal combustion or heat engine using combustible fuel. Annual registration fees for BEVs are \$200. (Ala. Code § 40-12-242(b)). Additionally, a plug-in hybrid electric vehicle (PHEV) is defined as a motor vehicle that draws propulsion energy from onboard sources of stored electric energy that can be plugged into an outlet or charging station and includes an internal combustion or heat engine using combustible fuel. Annual registration fees for PHEVs are \$100. (Ala. Code § 40-12-242(b)). Based on the definitions of BEVs and PHEVs, any private passenger automobiles, including those designated by the manufacturer as “hybrid” vehicles, that do not include a plug-in rechargeable electric energy storage system or that cannot otherwise be plugged into an outlet or charging station, will not pay the additional registration fees applied to BEVs and PHEVs.
- **Arkansas**
  - **Incentives**
    - Insurance companies may offer discounts on PEVs
    - No emissions testing required for registration.
    - Qualified Entergy customers are eligible to receive incentives in varying amounts for the purchase of select on- and off-road electric vehicles.<sup>4</sup>
  - **Infrastructure**
    - Arkansas has 72 charging locations and 196 charging outlets.
- **Florida**
  - **Incentives**
    - Jacksonville Electric Authority (JEA) offers a rebate up to \$1,000 for the purchase or lease of a qualified PEV.<sup>5</sup>
    - Kissimmee Utility Authority offers customers a \$100 rebate for the purchase of a new PEV.<sup>6</sup>
    - PEVs are eligible for the high occupancy vehicle (HOV) lane with Florida HOV decal.
    - Florida Power and Light (FPL) offers EV owners the option to enroll in a TOU charging rate.<sup>7</sup>
    - Some commercial and public buildings offer parking for PEV customers only.<sup>8</sup>
    - The Orlando Utilities Commission (OUC) offers a rebate of \$200 per station for businesses to install workplace EVSE. Local governments may also offer funding to property owners within their jurisdiction to help with financing.
    - Kissimmee Utility Authority offers customers a \$100 rebate for the purchase and installation of a home EVSE. FL Insurance companies may offer discounts on PEVs.
  - **Infrastructure**
    - Florida has 1,165 charging locations and 3,010 charging outlets<sup>iii</sup>.

- **Georgia**
  - **Incentives**
    - PEVs are eligible for HOV and HOT lanes with the correct license plate displayed.
    - Georgia Power offers three different charging rate options for residential customers. The Plug-In Electric Vehicle rate provides a discount on electricity from 11pm- 7am.
    - BEVs are exempt from emissions tests.
    - Some parking in the city of Atlanta for EV drivers only.
    - Georgia Power offers qualified customers a \$250 rebate for Level 2 EVSE through 12/31/19.
    - GA Insurance companies may offer discounts on PEVs.
  - **Infrastructure**
    - Georgia has 773 charging locations and 2,335 charging outlet.
- **Kentucky**
  - **Incentives**
    - LG&E and KU currently do not offer any EV specific charging rates.
    - No emissions testing required for registration.
    - KY Insurance companies may offer discounts on PEVs.
  - **Infrastructure**
    - Kentucky has 115 charging locations and 251 charging outlets.
- **Louisiana**
  - **Incentives**
    - PHEVs are eligible for a tax credit of 10% of the cost of the vehicle, up to \$2,500. To qualify, the PHEVs must be registered in Louisiana. The tax credit goes until 1/1/22
    - Entergy offers a \$250 rebate to its customers for a Level 2 EVSE.
    - No emissions testing required.
    - LA Insurance companies may offer discounts on PEVs.
  - **Infrastructure**
    - Louisiana has 91 charging locations and 213 charging outlets.
- **Mississippi**
  - **Incentives**
    - MS Insurance companies may offer discounts on PEVs.
    - Entergy offers qualified customers a \$250 rebate for a Level 2 EVSE.
  - **Infrastructure**
    - Mississippi has 56 charging locations and 152 charging outlets.
- **Missouri**
  - **Incentives**
    - PEVs are exempt from emissions testing. BEVs must purchase a special alternative fuel decal and pay an annual fee of \$78.50 (passenger vehicles).
    - MO Insurance companies may offer discounts on PEVs.
  - **Infrastructure**
    - Missouri has 408 charging locations and 1,720 charging outlets.

- **South Carolina**
  - **Incentives**
    - Some commercial and public buildings offer parking for PEV customers only.
    - SC Insurance companies may offer discounts on PEVs
    - Battery manufacturing tax incentive (the taxable market value of manufacturing machinery and equipment purchased for use at a renewable energy may be reduced by 20% of the original cost).
    - The South Carolina Energy Office (SCEO) provides low interest loans for AFV conversions and incremental costs, with qualified project payback periods.
  - **Infrastructure**
    - South Carolina has 234 charging locations and 500 charging outlets.
- **Tennessee**
  - **Incentives**
    - PEVs are eligible for the HOV lane but must apply for the Smart Pass program. Exemption expires 9/30/19.
    - BEVs are exempt from emissions testing in the counties that require the testing.
    - Some commercial and public buildings offer parking for PEV customers only.
    - TN Insurance companies may offer discounts on PEV.
  - **Infrastructure**
    - Tennessee has 404 charging locations and 1,054 charging outlets.
- **Texas**
  - **Incentives**
    - The Texas Commission on Environmental Quality, through its Texas Emissions Reduction Plan offers monetary incentives and rebates to eligible individuals, businesses, and local governments to lower emissions caused by polluting vehicles and equipment.<sup>9</sup>
    - BEVs are exempt from emissions testing.
    - Some commercial and public buildings offer parking for PEV customers only.
    - Austin Energy offers two types of rebates for PEV charging stations: Home Charging Station Rebate and Multifamily Properties Charging Station Rebate. For the Home Charging Station Rebate, customers can earn a rebate of 50% of the cost to purchase and install a Level 2 charging station, up to \$1,200 for a WiFi enabled EVSE. For the Multifamily Properties Charging Station Rebate, customers are eligible for up to 50% of installation costs for Level 2 (240V) charging stations and PEV Level 1 (120V) outlets.<sup>10</sup>
    - Entergy offers a \$250 rebate for the purchase and installation of Level 2 EVSE.

- Austin Energy's EV360 Pilot Program offers EV charging with reduced off-peak<sup>1</sup> rates from 7:00pm - 2:00pm on weekdays, and anytime on weekends. CPS Energy also offers a rate program for PEV drivers to access its ChargePoint network for an annual fee of \$60. Such incentive program may encourage vehicle charging when electricity is more abundant during off-peak hours and therefore cheaper to supply.
- TX Insurance companies may offer discounts on PEVs
- The Texas Commission on Environmental Quality (TCEQ) provides funding for eligible medium- and heavy-duty on-road new diesel or alternative fuel vehicles or engine repowers and replacements, as well as for associated electric vehicle and hydrogen fueling infrastructure.
- **Infrastructure**
  - Texas has 1,134 charging locations and 3,109 charging outlets.

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<sup>1</sup> Slowik, P. and Lutsey, N. (2018). The continued transition to electric vehicles in U.S. cities. The International Council on Clean Transportation. Retrieved August 15, 2019 from [https://theicct.org/sites/default/files/publications/Transition\\_EV\\_US\\_Cities\\_20180724.pdf](https://theicct.org/sites/default/files/publications/Transition_EV_US_Cities_20180724.pdf)

<sup>2</sup> Plug In America (n.d.). State & Federal Incentives. Retrieved August 15, 2019 from <https://pluginamerica.org/why-go-plug-in/state-federal-incentives/>.

<sup>3</sup> EV Adoption. Charging Stations by State (n.d.). Retrieved August 15, 2019 from: <https://evadoption.com/ev-charging-stations-statistics/charging-stations-by-state/>

<sup>4</sup> U.S Department of Energy (n.d.). Arkansas Laws and Incentives. Retrieved August 15, 2019 from [https://afdc.energy.gov/laws/state\\_summary?state=AR](https://afdc.energy.gov/laws/state_summary?state=AR).

<sup>5</sup> Jacksonville Electric Authority (JEA) (2014). JEA announces rebates for plug-in electric vehicles. Media relations. Retrieved August 15 2019 from [https://www.jea.com/About/Media\\_Relations/2014\\_09\\_19\\_JEA\\_Announces\\_Rebates\\_for\\_Plug-In\\_Electric\\_Vehicles/](https://www.jea.com/About/Media_Relations/2014_09_19_JEA_Announces_Rebates_for_Plug-In_Electric_Vehicles/)

<sup>6</sup> U.S. Department of Energy. Electricity Laws and Incentives in Florida. Alternative Fuels Data Center. Retrieved August 15, 2019 from: <https://afdc.energy.gov/fuels/laws/ELEC?state=FL>  
Plug In America (n.d.). State Incentives. Retrieved August 15, 2019 from: <https://pluginamerica.org/why-go-plug-in/state-federal-incentives/>

<sup>7</sup> Florida Power and Light (n.d.). Electric vehicles are here to stay! Retrieved August 15, 2019 from: <https://www.fpl.com/energy-my-way/electric-vehicles.html>

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<sup>8</sup> Kettles, C. (2018). Policies that impact the acceleration of electric vehicle adoption. Electric Vehicle Transportation Center. Retrieved August 15, 2019 from <https://publications.energyresearch.ucf.edu/wp-content/uploads/2018/09/FSEC-CR-2087-18.pdf>

<sup>9</sup> Texas Commission on Environmental Quality (n.d.) Texas Emissions Reduction Plan (TERP). Retrieved August 15, 2019 from: <https://www.tceq.texas.gov/airquality/terp/>

<sup>10</sup> Department of Motor Vehicles (n.d.). Green driver state incentives in Texas. Retrieved August 15, 2019 from: <https://www.dmv.org/tx-texas/green-driver-state-incentives.php>

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