WVEAA as Event Leader or Participant

- National Drive Electric Week Events in South Charleston and Martinsburg
- Governor’s Energy Conference
- 2018/2019 WV Solar Congress
- Energy Transitions for Green Growth
- Charleston Boulevard Rod Run and Doo Wop Car Show
- Interfaith Climate Change Conf
- Drive Electric Earth Day Display and Workshop at Marshall Univ

Why an Electric Vehicle?

- Electric vehicles are convenient, especially for commuters that charge at home
- Very affordable on a daily basis at about 2.5 cents/mile
- Almost no drive train maintenance
- No tailpipe emissions for EVs or PHEVs in electric only mode
- Lower total emission of CO₂, ozone, metals

Plug In With WVEAA!

- Website at www.wveaa.org
- Email list:
  - Request to join from the Contact Us page on the website
- Facebook
- LinkedIn
- Coffee and EV events:
  - Charleston, first Saturdays
  - Martinsburg, last Saturdays
  - See website for time and location details

About the WVEAA: The West Virginia Electric Auto Association (WVEAA) is a group of electric car owners and enthusiasts in the Mountain state. The association is organized as a chapter of the national Electric Auto Association (electricauto.org). Donations to the WVEAA cover the costs of website hosting, signage, event registration costs, etc. All officers are volunteers.
Electric Vehicles Use West Virginia Energy!

- Between 2010-2018, over one million electric vehicles (battery electric and plug-in hybrids) were delivered in the US
- 42 models from 20 makes (as of Sep 2018) with 100 new models planned 2019-2023
- 138% sales growth Oct 2017 versus Oct 2018
- EVs use energy from any source
- EVs can help the WV economy using locally sourced electricity:
  - WW renewables: ~10 large solar panels at 3,300 watts
  - WW natural gas: 110 SCF/day
  - WW coal: 11 lb/day
- Battery electric vehicles do NOT use imported oil!

West Virginia EAA Goals

- Encourage Electric Vehicle Charging options at Tamarack
- Encourage roll-out of DC fast charging stations for all EV brands (able to provide 200 plus miles of range per hour)
- Promote destination charging (15-40 miles of range per hour) build out at all WV tourist locations
- Display EVs at events around West Virginia
- Educate the public on the benefits of EVs at events, via the web, and in-person
- Provide social events for WVEAA members

DC Fast Charging Economic Analysis

- In California, each DCFC plug is supported by 87 battery electric Teslas
- 12% of charging occurs at public plugs and 88% of charging occurs at home
- DCFC charging sales per plug is $8,900/yr at $0.25/kWh
- For each DCFC plug, home charging generates $28,300/yr sales at WV electric rates
- Total power sales are $37,200/yr for each DCFC plug