**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

**We move on West Virginia’s energy!**

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.

Brochure Last Updated: May 9, 2020
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:
  - WV renewables: ~10 large solar panels at 3,300 watts
  - WV natural gas: 110 SCF/day
  - WV coal: 11 lb/day
- Battery electric vehicles do NOT use imported oil!

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

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

Chevy Volt charging from solar panels
Nissan LEAF
Mitsubishi Outlander PHEV
Overnight guests charging at Pipestem Resort State Park