The Electric Advantage - Cost

Vehicle Efficiency  
4 x Combustion Car

Fuel Costs  
3.3 versus 13.2 cents/mile

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The Electric Advantage - Carbon

Well-to-wheel Carbon Emissions (2016 av. gCO2e/mile)

Hydro PUD: -95%
WA Average: -80%
NG Electricity: 150
Coal Electricity: 350
Gas car 25 MPG: 400

Isaac Kastama, Low Carbon Prosperity Institute
The Electric Advantage - Grid

**EV Adoption**

- $ Generates Utility Revenue

**Sufficient Capacity**

- Demand Response + Efficiency
- $ Avoided Costs

**Grid Storage**

- $ Incentives for owners;
- $ Avoided costs of new eqt

Isaac Kastama, Low Carbon Prosperity Institute
Policies in PNW

- EV & alternative fuel tax incentives or rebates
- Utility directives & authority
- Building codes; Procurement goals
- Credit generating programs, e.g:
  - Cap & trade
  - Low carbon fuel standard