

## Oregon DEQ

### Low Emission Vehicle (LEV) Program

Transportation Electrification Executive Council

Jan 18, 2012

Dave Nordberg

(503) 229-5519, nordberg.dave@deq.state.or.us

#### Current Rules

- Two options for vehicle emission standards under the Clean Air Act: Federal rules or California's more stringent rules.
- Oregon adopted CA standards effective with 2009 model year.
- LEV is three separate programs that:
  - Reduce traditional pollutants (VOCs, NOx, CO) plus air toxics,
  - Promotes the development and commercialization of Zero Emission Vehicles, and
  - Reduces GHGs 30% by 2016 (with substantial cost savings).
- Adoption of CA's rules by 14 states contributed to EPA's adoption of national GHG rules.

#### Proposed Rules

- CA, EPA, NHTSA are extending GHG reductions to equivalent of 54.5 mpg by 2025.
- Oregon needs to maintain state LEV rules to prevent federal backsliding.
- New ZEV rules propose to require the sale of thousands of Battery-Electric and Plug-in Hybrid vehicles per year in Oregon (mostly after 2018).
- Approximate Oregon sales in CA's proposed rules:

2018: ~5,500 EVs, or 2,400 EVs plus 9,100 Plug-in Hybrids,

2019: ~8,600 EVs, or 4,900 EVs plus 11,000 Plug-in Hybrids,

2020: ~11,700 EVs, or 7,400 EVs plus 12,900 Plug-in Hybrids.

#### Future LEV Implementation

- EPA's implementation of GHG requirements lets DEQ spend more time on ZEV rules.
- How can DEQ coordinate with others on the introduction of EVs in Oregon?
  - Encourage voluntary Level 1 workplace charging?
  - Promote workplace charging in the Portland area as part of DEQ's Employee Commute Option (ECO) rules?
  - Coordinate with DOE planning grant?
  - Facilitate use of EV trucks?
  - Other?