Testimony in Support: HB3119

House Committee on Climate, Energy and Environment

January 30th, 2025


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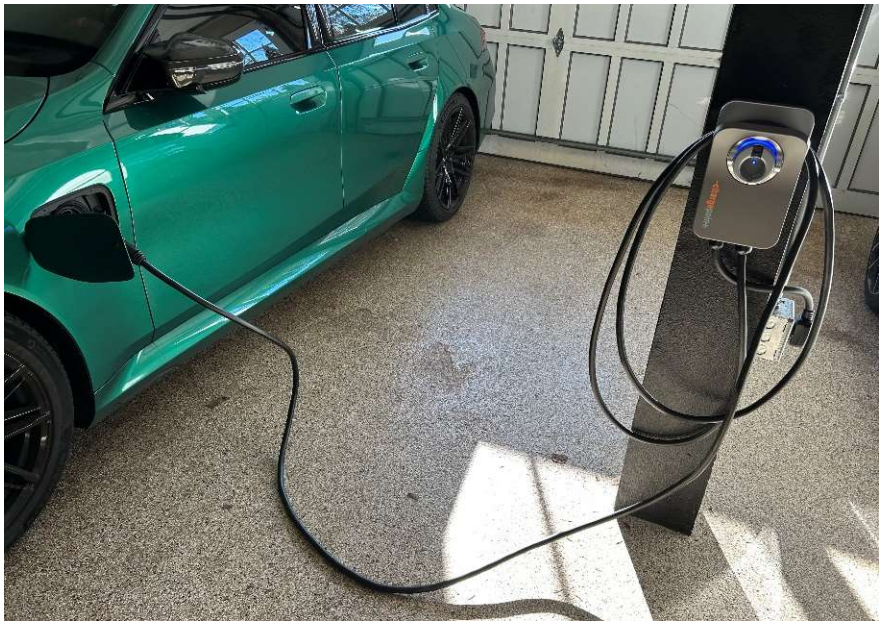


SUMMIT

AC/DC CHARGING

AC charging from SAEJ1772 chargers up to 19.2 kW (limited to 7.2 kW on 60 kWh chassis) DC fast charging from CCS1 chargers up to 80 kW

NRR EV

Delivering 19.2 kW of Power for Level 2 Charging Requires 100amp Circuits

Mayor Wheeler blasts PGE for latest rate hike request

By FOX 12 Staff

Published: Aug. 31, 2024 at 3:12 PM PDT

Sen. Wyden wants answers about PGE's 'unsustainable' rate hikes

By FOX 12 Staff

Published: Nov. 25, 2024 at 12:50 PM PST

BUSINESS

Oregon apartments need electrical components to open. They're competing with data centers

Updated: Jan. 24, 2025, 4:36 p.m. | Published: Jan. 23, 2025, 3:00 a.m.

PRIVATE CHARGING COSTS

- ChargePoint Two-Truck Charger with 100amp circuits: $23,000
- Switchgear and installation: $200,000
- Utility company transformer and infrastructure improvement costs: $50,000 - $125,000
- Total costs for two-truck Level 2 charging: **$300,000**

COMMON SIZE TRUCK COST

- A commonly used truck chassis with a 16’ box costs $61,000 and goes 320 miles on one tank of diesel.
- The electric version of this chassis costs $140,000 and goes 160 miles on one charge.
- Two trucks (and two drivers) will be required to do the same work that was done with one.
- Difference in capital cost: **$219,000**

TOTAL IMPLMEMENTATION COST

- The total estimated implementation cost to purchase and install one Level 2 charging station requiring a grid upgrade and two electric commercial vehicles is

$519,000

with a lead time to begin operations of July 2026 if the process was started today.