

# Oregon DOT



## Contact Information:

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*Project 1: Asphalt plant renewable propane proof of concept and LCA development.*

*Project 2: The impact of declining roadway conditions on road user costs and greenhouse gas (GHG) emissions.*

*Project 3: EPD / LCA Program implementation and support.*

### Project Goals:

**Project 1:** A suitable background inventory for renewable propane that can be used as an alternative fuel input for EPDs / LCA creation and comparison.

**Project 2:** Determine user costs and user GHG emissions for different pavement smoothness levels.

**Project 3:** Develop an EPD program for ODOT's most-used construction materials (asphalt, concrete, steel) that can help identify opportunities for GHG reductions.

### Project Scope:

- **Project 1:** Develop a life cycle inventory for renewable propane and engage stakeholders to update the NAPA Emerald Eco Label tool as well as the FHWA LCA Commons database.
- **Project 2:** Assess user costs and user GHG emissions and estimate the impacts of declining conditions on several categories of routes and to what extent this would increase user costs and user GHG emissions.
- **Project 3:** Staff funding and technical resource assistance to create an EPD Program.

