

Project Concept Summary

In 2008, the Oregon Department of Transportation (ODOT) completed the nation's first solar photovoltaic (PV) project in a highway right-of-way to power lighting at the interchange. The project was completed through an innovative public-private partnership with Portland General Electric, Oregon's largest utility; Solar World US, Oregon's and the nation's largest solar manufacturer; and PV Powered, Oregon's and the nation's largest inverter manufacturer.



Due to the success of Oregon's first project in developing a sustainable transportation system and the opportunity to leverage our existing leadership in solar highway development, Oregon is looking to expand on this first project through four strategic efforts:

- 1) Develop the world's largest solar highway project which would exceed a 2.8 megawatt project announced for Germany. The complete build-out of the proposed project would be 3 MW— about one-sixth of ODOT's electricity needs in this utility's service area. Location: Portland Metropolitan Area
- 2) Expand the initial project beyond the demonstration site to three times the size (200 kW). Location: Interstates 5 and 205 interchange in Tualatin, OR.
- 3) Build a new solar highway interchange (2 MW) in southern Oregon where there are strong solar resources. Location: Jackson County, Oregon
- 4) Construct an additional solar highway installation (1.6 MW) with an interpretive center at a rest area between Portland and Salem that could be seen by more than 50,000 travelers daily. Location: Between Portland and Salem (Baldock Rest Area)

