# Briefing Paper
# Migliori Small Wind Project

February 14, 2007

## Summary

Energy Trust expects to provide up to $24,125 for a 42 kilowatt (kW) wind turbine at a residence north of Newberg, Oregon. Funds for the project are included in the approved FY '07 budget.

This item is informational. No board action is required.

## Relation to Strategic/Action Plan/Budget

- This project meets Strategic Goal 2, by providing an average of 50,000 kWh of energy per year from a renewable resource and Goal 5, by helping demonstrate a mid-scale, rural energy application. The results of the demonstration will be useful as we research the development of a small wind program.

## Background

- In December 2006, the Board authorized a budget of $7.9 million for the Energy Trust's Wind program. The budget includes funding for small wind and community wind.
- Staff evaluated the project through the Open Solicitation Program. The evaluation included review by the Renewable Advisory Council (RAC), which supported the project.
- The turbine is manufactured by VoltAir Wind Electric. VoltAir Wind Electric is owned by Robert Migliori, who lives at the proposed project location.
- VoltAir has successfully operated two prototype wind turbines over the last twenty years at the project site. This project represents the commercial-ready product culminating from that experience.
- The project will be a Qualifying Facility for the purposes of the Public Utility Regulatory Policy Act, and its output sold to PGE under standard rates and terms approved by the Oregon Public Utility Commission.
- This turbine will help the Wind Program to demonstrate a variety of small turbine technologies and sizes for a wide range of applications in Oregon. The market in small wind turbines currently offers limited choices in size. Turbines in the range of this project could be best for on-site use for mid-sized Oregon ranches.
- The project will receive a performance based incentive and will be required to achieve 80% of its estimated annual energy on a yearly basis in order to receive the full incentive.

## Next Steps

- We will prepare a contract for the Executive Director's signature to include the following basic terms:
  (1) 15-year contract term;
  (2) QF and interconnection contract with PGE;
  (3) termination rights if the project fails to achieve operation by a set date;
  (4) payments over a 5-year period on a per-kilowatt-hour energy production basis;
  (5) Energy Trust will receive 100% of the Project's green tags.