

Renewable Program Updates

June 21, 2006

Community Wind Program

Anemometers Loans

- One 30m anemometer was installed for a total of 20 systems installed to date
- Providing data analysis for USDA VAPG Community Wind Feasibility Studies

Request for Proposals

- Received responses to Community Wind RFP
 - 17 responses totaling 133 MW of capacity in 6 counties
 - 11 track one projects for a 2006 or 2007 construction totaling 81 MW
 - 6 track two projects with construction in 2008 or later totaling 52 MW
- Short-list of track one projects:

Name	Location (County)	Estimated Capacity (MW)
China Hollow	Sherman	1.5
Mar-Lu Wind Farm	Gilliam	4.5
Sherman County Wind Farmer	Sherman	10
Threemile Canyon	Morrow	10

- We are currently solidifying our calculation of the above-market cost (if any) of each project, and will invite selected projects to proceed to contract negotiation.
- Track Two projects and the Track One projects not selected for the short-list are being reviewed to determine potential project development cost-sharing opportunities.

Utility-Scale Program

Biglow Canyon Wind Project

- PGE is proposing to buy the rights to develop the Biglow Wind Project in Sherman County, Oregon. The first phase of the project is expected to be 126 MW and the whole project could be as large as 400 MW by 2010. PGE has asked the OPUC to approve certain aspects of the purchase and will seek funding for above-market costs from the Energy Trust under our master agreement. Staff have iterated on preliminary analytic issues, including rough estimates of above-market costs. An issue for the project is whether to pay a premium to build the project before the current tax credits expire at the end of 2007, or delay the first phase to 2008 for a lower price with attendant risks that the tax credits are not extended or not in the same form as today. PGE and staff are currently working towards a complete review of the tradeoffs and to a possible funding decision for the Energy Trust board at their August board meeting.

- Pacific Power continues to evaluate wind projects from their latest request for bids. In anticipation of a request of above-market funding, staff has been working with Pacific Power on the analytic framework and timelines for the analyses.
- Staff presented a new idea from the City of Portland and Sempra Energy Solutions to develop wind resources in association with Electricity Service Supplies. The idea and the issues associated with it were brought to the Energy Trust's Policy Committee and Renewable Advisory Council for input. Based on the reviews, staff has been developing proposed approaches and policy choices for further public comment.

Biopower Program

Re-launch

- Opened Biopower program to proposals on an open basis (i.e., not through a formal request for proposals)

2005 RFP

- Signed contract with City of Portland's Columbia Blvd. Wastewater Treatment Plant for 1.8-MW project; approved contract terms with Rough & Ready Lumber for a 1.2-MW wood cogeneration project; ongoing negotiation with Warm Springs Forest Products Industries for 17.9-MW wood cogeneration project.

Feasibility studies:

- Cost-shared studies underway for Lakeview Biomass project (15 MW), Gervais Biopower dairy digester (100 kW), Tryon Creek Wastewater Treatment Plant (110 kW). Further studies under discussion with Roseburg Forest Products, SP Newsprint, Southport Lumber and Wallowa Resources.

Market analysis & development

- Completed study of potential to increase renewable generating capacity by "tuning up" facilities that currently generate electricity from biomass
- Targeted approach to PGE-area wastewater treatment plants capable of increasing generating capacity, with offer of cost-shared feasibility studies
- **Case study:** Initiated study of Gresham Wastewater Treatment Plant project
- **Evaluation:** Completed process evaluation of 2005 RFP; interviews with RFP finalists underway.
- **Representative recent outreach:** Member of ODOE/ODF Forest Biomass Working Group. Presentations to Northwest Environmental Business Council and EPRI Solutions Distributed Energy Outlook. Sponsored "Making Biomass Work" in Klamath Falls and Biocycle's "Composting, Organics, Recycling and Renewable Energy" conferences in Portland. Reviewed Oregon Forest Resources Institute work on "Bioenergy from Oregon Forests."

Solar Program

Outreach

- The Selma Community and Education Center will celebrate the installation of its 6kW PV array on June 24th. This is the last of 7 demonstration projects selected by Energy Trust for funding through an RFP process in 2003.

- The Solar Program hosted two solar seminars in June. Over 200 were in attendance at Corvallis, setting a new record. Additional seminars are being scheduled for the Portland Metro area in October.
- A team including Energy Trust, ODOE, 3E Strategies and others selected and featured residential and commercial buildings for the 2006 Green and Solar Building Oregon magazine.

Training

- Energy Trust received approval for offering eight hours of continuing education credits to journeyman plumbers who attend our training session on installation requirements for residential solar water heating. This training is offered free twice per year to plumbers interested in becoming solar trade allies.
- 39 people attended our June 2nd solar electric trade ally training, demonstrating continued growing interest from electricians and new entrants in incorporating PV installations into their business.
- A new, streamlined Program Guide was introduced, clearly describing the incentive application process and solar trade ally requirements to participate in the program.

2006 program activity to date:

Solar Electric

- Installed: 50 systems, 241 kW
- Committed: 58 systems, 343 kW
- Total:
 - 34% commercial, 66% residential (by kW)
 - 41% PGE, 59% Pacific Power (by kW)

Solar Water Heating

- Installed: 66 systems
 - 73 MWh and 14,000 therms saved
- Committed: 58 systems
 - 102 MWh, 15,000 therms
- Total:
 - 14% PGE, 35% Pacific Power, 51% NW Natural (by number of systems)