

Fact Sheet

Project Name: Pacific Mountain Energy Center

Project Description:

Energy Northwest is proposing to build and operate a 680-megawatt IGCC facility on an approximately 95-acre site in the Port of Kalama's north industrial area. Using the IGCC technology, petroleum coke and coal will be gasified into syngas, used to supply two electrical generation turbines and steam generators to produce a total of 680 megawatts. Natural gas would be used for a start up and backup fuel and in times when syngas is not available.

The site is currently an open area that was used for the deposition of dredge tailings from the Columbia River. The PMEC site would include a modern, enclosed fuel handling and storage terminal with access to both a deep water port and multiple rail systems, as well as a natural gas pipeline, for fuel transportation flexibility.

Natural gas, as a physical or economic backup fuel, would be supplied by a new 5-mile pipeline that would connect with Williams Northwest Pipeline Corporation's gas lateral line at or near the Deer Island meter station located on the south end of the Port of Kalama. The new pipeline will be placed primarily under the paved area of Henderson Road.

Rail access into the PMEC is from existing Burlington Northern Santa Fe (BNSF)-owned (with a Union Pacific operating agreement) railway tracks located adjacent to the site. One or more spurs or rail sidings would be constructed from the main line track to allow the unit trains to deliver fuel to the PMEC.

PMEC will lease the dock expansion area from the Port of Kalama for equipment unloading and receipt of petroleum coke and coal. Unloading equipment is generally incorporated on the ship or barge; however, there is a potential that PMEC would own and operate unloading equipment on the dock.

PMEC's output will interconnect to either the Cowlitz County Public Utility District (PUD) or the Bonneville Power Administration (BPA) transmission system at the high voltage busbar located on the PMECC site. The transmission system requires an upgrade to accommodate PMECC's output. Power will be delivered to the BPA grid from either to a new Cowlitz County PUD and/or to a new BPA double-circuit 230-kV transmission line (i.e., two 3-phase circuits mounted on a single structure).

Location of Site:

The PMECC facility site is located in the Port of Kalama's north industrial area in Cowlitz County, Washington. The site is located between the Columbia River on the west and the BNSF mainline on the east. Interstate-5 (I-5) is located immediately to the east of the railroad line. The approximately 5-mile natural gas pipeline would extend south from the site primarily within road right-of-way to William's Northwest Pipeline Corporation's Deer Island meter station located on the south end of the Port of Kalama. A portion of the natural gas pipeline would cross through the city of Kalama. The electrical transmission line would extend north from the site within existing BPA and/or Cowlitz County PUD right-of-way approximately 12 miles to connect to the BPA transmission grid. The transmission line would be constructed and operated by either BPA or Cowlitz County.

Project Proponents:

Energy Northwest

Date of Implementation:

Assuming all permits and approvals are obtained, the proposed PMECC would begin operation in the first half of 2012. Construction is planned to begin in mid 2008 with full mobilization for power island construction beginning in the third quarter of 2009.

SEPA Lead Agency:

Energy Facility Site Evaluation Council

Responsible SEPA Official:

Allen Fiksdal, EFSEC Manager
Washington State Energy Facility Site Evaluation Council
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(360)956-2152
Fax (360) 956-2158
Contact Mr. Fiksdal for any questions relating to this EIS.

Permits and Approvals:

The EFSEC process supercedes all other state and local permitting processes, and no local or other state permits are required. Federal permit approvals are still required.

Federal

- Department of Army Dredge and Fill Permit
- Threatened or Endangered Species Assessment
- Gas Pipeline Safety Approval (CFR 49 Part 192)
- National Environmental Policy Act (NEPA) review and approval for the transmission line if the Bonneville Power Administration constructs and owns the new 12-mile transmission line.

State

The EFSEC site certification agreement would provide EFSEC construction and operational requirements and all other relevant permits and approvals. No other state or local permit is required.

The following permit approvals would be included in the site certification agreement:

- Notice of Construction Approval (NOC)
- Prevention of Significant Deterioration (PSD)
- Air Operating Permit
- Acid Rain Permit

- Hydraulic Project Approval
- Water Quality Certification
- Coastal Zone Management Program Consistency Determination
- Shoreline Substantial Development
- National Pollutant Discharge Elimination System (NPDES), Construction Stormwater General Permit, Industrial Stormwater General Permit, Industrial Waste Discharge Permit
- Natural Gas Pipeline Construction Approval
- Building Permits (including but not limited to civil, structural, mechanical, electrical, and plumbing)

Local

As noted above, no local permits or approvals are required. The following local permit approvals are preempted by EFSEC:

- Building Permits (including but not limited to civil, structural, mechanical, electrical, and plumbing)
- Critical Areas Permit
- Shoreline Substantial Development Permit
- Floodplain Management

There are real estate/right-of-way agreements with local agencies that would be required for the placement of the natural gas pipeline. These include:

- Accommodation of utilities on right-of-way and utility construction approval with Cowlitz County
- Accommodation of utilities on right-of-way and utility construction approval with the City of Kalama

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Date Document Issued:

May 14, 2007

Comment Period:

Comment period ends on June 13, 2007. All mailed comments must be postmarked by June 13, 2007.

Comments and Contact Information:

Written comments should be mailed to the Responsible Official:

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Public Hearing Date and Locations:

June 6, 2007
6:30 pm

Location:
Kalama Community Building
126 North 2nd Street
Kalama, Washington 98625

Final EIS Due

The EFSEC is reviewing the PMEC proposed under the procedures set forth in Chapter 80.50 Revised Code of Washington (RCW) and Title 463 Washington Administrative

Code (WAC) for reviewing applications for new major energy facilities. The statute requires the Council to hold an adjudicative proceeding under Chapter 34.05 RCW, the Administrative Procedure Act. The Final Environmental Impact Statement (EIS) will be prepared and issued shortly after the end of the Adjudicative Proceeding, and before the Council decides whether to recommend a state site certificate for construction and operation of the proposed facility to the Governor of Washington. The exact dates for those actions were not determined at the time this Draft EIS was issued but are expected to occur in the fall of 2007.

Should the EFSEC recommend approval, the Governor can agree and sign the recommended agreement, deny the recommendation, or remand the recommendation to the Council for further deliberation.

Subsequent Environmental Review:

None anticipated for the PMEC. BPA or Cowlitz County PUD would conduct environmental review for the approximately 12-mile electrical transmission line. Cowlitz County will conduct environmental review and permitting for the Port's replacement of the existing outfall.

Location of Background Information:

Background materials for this draft EIS, including the Application for Site Certification and supporting data submitted by the proponent, is available at the Washington Energy Facility Site Evaluation Council, 925 Plum Street, SE, Building 4, Olympia, Washington 98504-3172, and on the internet at EFSEC's web page at www.efsec.wa.gov.

Document Cost and Availability:

There will be no cost for the Draft EIS. Copies are available by contacting the Responsible Official.