

FEDERAL ENERGY REGULATORY COMMISSION  
WASHINGTON, D.C. 20426

OFFICE OF ENERGY PROJECTS

In Reply Refer To:  
OEP/DG2E/Gas 3  
Bradwood Landing LLC  
NorthernStar Energy LLC  
Docket Nos. CP06-365-000 and  
CP06-366-000

FERC/EIS-0214F

TO THE PARTY ADDRESSED:

The staff of the Federal Energy Regulatory Commission (FERC or Commission) has prepared this final Environmental Impact Statement (EIS) for the construction and operation of the liquefied natural gas (LNG) import terminal and natural gas pipeline facilities, referred to as the Bradwood Landing Project, proposed by Bradwood Landing LLC and NorthernStar Energy LLC (collectively referred to as NorthernStar) in the above-referenced dockets. The Bradwood Landing Project facilities would be located in Clatsop and Columbia Counties, Oregon, and Cowlitz County, Washington.

This final EIS was prepared to satisfy the requirements of the National Environmental Policy Act (NEPA). The U.S. Department of the Army Corps of Engineers (COE), U.S. Department of Homeland Security Coast Guard (Coast Guard), and the Pipeline and Hazardous Materials Safety Administration of the U.S. Department of Transportation (DOT) are cooperating agencies for the development of the EIS. A cooperating agency has jurisdiction by law or special expertise with respect to potential environmental impacts associated with the proposal and is involved in the NEPA analysis.

Based on the analysis included in the EIS, the FERC staff concludes that the proposed action would have limited adverse environmental impacts. However, if the Bradwood Landing Project is constructed and operated in accordance with applicable laws and regulations, and with implementation of NorthernStar's proposed mitigation measures, and the additional mitigation measures recommended by staff, environmental impacts would be substantially reduced.

The purpose of the Bradwood Landing Project is to provide a new source of natural gas to the Pacific Northwest through importing LNG. LNG is natural gas that has been turned into a liquid state by cooling it to about -260 degrees Fahrenheit to reduce its volume for transport in specially designed carriers some distance across oceans from its point of origin to the proposed LNG import terminal. NorthernStar would store the LNG at its terminal, vaporize the LNG back into natural gas, and provide up to 1.3 billion cubic feet per day of natural gas to the region through its sendout pipeline and interconnects at two industrial facilities, an intrastate pipeline, and an interstate pipeline system.

The EIS addresses the potential environmental effects associated with the construction and operation of the following facilities located at the proposed Bradwood Landing LNG terminal, at Columbia River Mile 38, in Clatsop County, Oregon:

- a 58-acre maneuvering area off the federally-maintained Columbia River navigation channel, and a single berth capable of receiving and unloading LNG carriers with cargo capacities ranging from 100,000 to 200,000 cubic meters (m<sup>3</sup>);
- a set of four 16-inch-diameter LNG unloading arms at the berth, and a 1,240-foot-long 32-inch-diameter cryogenic LNG transfer pipeline and 6-inch-diameter LNG recirculation cooldown pipeline from the berth to the storage tanks;
- two 160,000 m<sup>3</sup> insulated LNG storage tanks;
- a vapor handling system and vaporization equipment, including seven submerged combustion vaporizers capable of regasifying the LNG for sendout through a transfer meter station; and
- ancillary utilities, service buildings, and associated safety and security systems.

The EIS also addresses the potential environmental effects associated with the construction and operation of NorthernStar's proposed sendout pipeline and associated facilities, including:

- a 36.3-mile-long underground, high-pressure steel sendout pipeline consisting of approximately 18.9 miles of 36-inch-diameter pipeline in Clatsop and Columbia Counties, Oregon and 17.4 miles of 30-inch-diameter pipeline in Columbia County, Oregon and Cowlitz County, Washington; and
- associated facilities, including five meter and regulation stations, four interconnects, two pig<sup>1</sup> launchers, and two pig receivers.

The final EIS has been placed in the public files of the FERC and is available for distribution and public inspection at:

Federal Energy Regulatory Commission  
Public Reference Room  
888 First Street N.E., Room 2A  
Washington, DC 20426  
(202) 502-8371

Only volume 1 of the final EIS, containing text of the analysis, was printed in hard copy. Volume 2, containing the appendices, was produced as .pdf files on a compact disk (CD) that can be read by a computer with a CD-ROM drive. A limited number of hard copies and CDs of the final EIS are available from the FERC's Public Reference Room, identified above. This final

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<sup>1</sup> A pig is an internal tool used to clean and dry a pipeline and/or to inspect it for damage or corrosion.

EIS is also available for public viewing on the FERC's Internet website at [www.ferc.gov](http://www.ferc.gov), via the eLibrary link.

Copies of the final EIS have been mailed to federal, state, and local agencies; elected officials; Indian tribes and Native American organizations with an interest in the project area; interveners; regional environmental organizations and public interest groups; affected landowners; local libraries and newspapers; and other interested parties. Hard copies of volume 1 were mailed to those who specifically requested them, while all others on the mailing list were sent both volumes of the EIS on CDs.

Additional information about the project is available from the Commission's Office of External Affairs at **1-866-208-FERC** (3372). The administrative public record for this proceeding to date is on the FERC Internet website (<http://www.ferc.gov>). Go to Documents & Filings and choose the eLibrary link. Under eLibrary, click on "General Search," and enter the docket number excluding the last three digits in the Docket Number field (e.g., CP06-365). Be sure you have selected an appropriate date range. For assistance, please contact FERC Online Support at: [FERCOnlineSupport@ferc.gov](mailto:FERCOnlineSupport@ferc.gov) or toll free at 1-866-208-3676, or for TTY call 202-502-8659. The eLibrary link on the FERC Internet website also provides access to the texts of formal documents issued by the Commission, such as orders, notices, and rulemakings.

In addition, the Commission now offers a free service called eSubscription that allows you to keep track of all formal issuances and submittals in specific dockets. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. To register for this service, go to the eSubscription link on the FERC Internet website (<http://www.ferc.gov/docs-filing/esubscription.asp>).

Kimberly D. Bose,  
Secretary