

the flue gas of a coal-fired plant in an economical way. By reducing a typical stack gas temperature of 350–380 °F to 180–200 °F, the plant efficiency can be increased by 3–5%. The cost has been an issue for the low temperature heat recovery system.

(C) New concepts that could be drastically different from the conventional system using a gas or steam turbine (i.e., fuel cells) to generate electricity from coal.

Effect of Concentrated CO₂ Release on Ocean Biology

The effects of increased anthropogenic emissions of CO₂ into the atmosphere and its effects on marine life in the upper portion of the ocean is now under investigation. If, as a method of carbon sequestration, direct injection of CO₂ takes place in the middle to lower depths of the ocean, it is postulated that the liquid plume formed would have an adverse effect on marine life in the immediate vicinity of the release. This is of greater importance than it seems because of effects that may accrue all along the food chain. Unfortunately, little data is available on the subject as indicated in a study by MIT.

Grant applications are sought for controlled laboratory experiments on the effects of high concentrations of CO₂ on marine biota under simulated middle to lower ocean depth conditions.

Awards. DOE anticipates awarding financial assistance grants for each project selected. Approximately \$2.9 million will be available for the Program Solicitation. An estimated \$2.4 million is budgeted for the UCR Core Program and should provide funding for approximately one to three (1–3)

financial assistance awards in each of the six (6) focused areas of research. The maximum DOE funding for individual colleges/universities applications in the UCR Core Program varies according to the length of the proposed performance period as follows:

Performance period	Maximum funding
0–12 months	\$80,000
13–24 months	140,000
25–60 months	200,000

The maximum DOE funding for UCR Core Program joint applications is \$400,000 requiring a performance period of 36 months.

Approximately \$0.5 million is budgeted for the UCR Innovative Concepts Program and should provide support for approximately ten (10) financial assistance awards. The maximum DOE funding for UCR Innovative Concepts Program awards is \$50,000 with 12-month performance periods.

Issued in Pittsburgh, Pennsylvania on October 9, 1998.

Raymond D. Johnson,
Contracting Officer, Acquisition and Assistance Division.
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DEPARTMENT OF ENERGY

Office of Fossil Energy

[FE Docket No. 90–88–NG et al.]

Puget Sound Energy, Inc. (Formerly Washington Natural Gas Company) et al.; Orders Granting, Amending, Transferring and Vacating Authorizations To Import and/or Export Natural Gas, Including Liquefied Natural Gas

AGENCY: Office of Fossil Energy, DOE.
ACTION: Notice of orders.

SUMMARY: The Office of Fossil Energy (FE) of the Department of Energy gives notice that it has issued Orders granting, amending, transferring and vacating various natural gas, including liquefied natural gas, import and export authorizations. These Orders are summarized in the attached appendix.

These Orders may be found on the FE web site at <http://www.fe.doe.gov>, or on the electronic bulletin board at (202) 586–7853.

They are also available for inspection and copying in the Office of Natural Gas & Petroleum Import and Export Activities, Docket Room 3E–033, Forrestal Building, 1000 Independence Avenue, S.W., Washington, D.C. 20585, (202) 586–9478. The Docket Room is open between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday, except Federal holidays.

Issued in Washington, D.C., on October 13, 1998.

John W. Glynn,
Manager, Natural Gas Regulation, Office of Natural Gas and Petroleum Import and Export Activities, Office of Fossil Energy.

APPENDIX—ORDERS GRANTING, AMENDING, TRANSFERRING AND VACATING IMPORT/EXPORT AUTHORIZATION [DOE/FE Authority]

Order No.	Date issued	Importer/exporter FE Docket No.	Two-year maximum		Comments
			Import volume	Export volume	
469–A	09/03/98	Puget Sound Energy, Inc. (Formerly Washington Natural Gas Company) 90–88–NG.			Transfer of long-term authority.
607–A	09/03/98	Puget Sound Energy, Inc. (Formerly Washington Natural Gas Company) 91–91–NG.			Transfer of long-term authority.
664–C	09/03/98	Puget Sound Energy, Inc. (Formerly Washington Natural Gas Company) 92–18–NG.			Transfer of long-term authority.
444–A	09/03/98	Puget Sound Energy, Inc. (Formerly Washington Natural Gas Company) 90–68–NG.			Transfer of long-term authority.
324–A	09/03/98	Puget Sound Energy, Inc. (Formerly Washington Natural Gas Company) 89–23–NG.			Transfer of long-term authority.

APPENDIX—ORDERS GRANTING, AMENDING, TRANSFERRING AND VACATING IMPORT/EXPORT AUTHORIZATION—Continued
[DOE/FE Authority]

Order No.	Date issued	Importer/exporter FE Docket No.	Two-year maximum		Comments
			Import volume	Export volume	
969-A	09/10/98	Westcoast Power Holdings Inc. (Formerly Westcoast Power Inc.) 94-55-NG.			Name change.
1235-A	09/10/98	Indeck-Oswego Limited Partnership and Indeck-Yerkes Limited Partnership 96-89-NG.			Vacate blanket import authority.
1136-A	09/10/98	Indeck-Yerkes Limited Partnership 95-112-NG.			Vacate long-term import authority.
425-B	09/10/98	Indeck-Yerkes Limited Partnership 89-21-NG.			Vacate long-term import authority.
425-C	09/10/98	Indeck-Oswego Limited Partnership 89-22-NG.			Vacate long-term import authority.
1409	09/10/98	Indeck-Yerkes Limited Partnership 98-60-NG.	9 Bcf		Import from Canada over a two-year term beginning on the date of first delivery.
1410	09/10/98	Indeck-Oswego Limited Partnership 98-61-NG.	9 Bcf		Import from Canada over a two-year term beginning on the date of first delivery.
1411	09/10/98	Arco Products Company, Division of Atlantic Richfield Company 98-62-NG.	25 Bcf		Import from Canada over a two-year term beginning on September 19, 1998, through September 18, 2000.
1412	09/15/98	Montana-Dakota Utilities Co., A Division of MDU Resources Group, Inc. 98-63-NG.	10 Bcf		Import from Canada over a two-year term beginning on December 1, 1998, and ending on November 30, 2000.
1413	09/18/98	CMP Natural Gas, L.L.C. 98-65-NG		100 Bcf	Import and export from and to Canada up to a combined total over a two-year term beginning on the date of first import or export.
1414	09/21/98	AMOCO Canada Marketing Corp. 98-64-NG.	300 Bcf		Import from Canada over a two-year term beginning September 24, 1998, through September 23, 2000.
1415	09/24/98	Hess Energy Services Company, LLC 98-67-NG.	60 Bcf		Import from Canada over a two-year term beginning on the date of first delivery.
1416	09/24/98	Hess Energy Services Company, LLC 98-68-NG.		60 Bcf	Export to Canada over a two-year term beginning on the date of first delivery.
1417	09/29/98	Intalco Aluminum Corporation 98-69-NG.	2 Bcf		Import from Canada over a two-year term beginning on September 29, 1998, through September 28, 2000.
1418	09/30/98	CoEnergy Trading Company 98-71-NG.	150 Bcf		Import from Canada over a two-year term beginning on first delivery after September 30, 1998.
1419	09/30/98	Ener-Son of U.S.A. 98-66-LNG		2.1 Bcf	Export LNG to Mexico over a two-year term beginning on date of first delivery.

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DEPARTMENT OF ENERGY**Federal Energy Regulatory Commission****[Project No. 2721-013]****Bangor Hydro-Electric Company;
Notice Establishing Procedures for
Relicensing and a Deadline for
Submission of Final Amendments**

October 13, 1998.

The license for the Howland Hydro Project, FERC No. 2721, located on the

Piscataquis River in Penobscot County, near Howland, Maine, will expire on September 30, 2000. On September 28, 1998, an application for new major license was filed. The following is an approximate schedule and procedures that will be followed in processing the application: