

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, DC 20426
January 11, 2005

OFFICE OF ENERGY PROJECTS

Project No. 2244-012 – Washington
Packwood Lake Hydroelectric Project
Energy Northwest

**Re: Scoping of environmental issues for relicensing the Packwood Lake
Hydroelectric Project**

To the Parties Addressed:

The Federal Energy Regulatory Commission (Commission) is conducting National Environmental Policy Act (NEPA) scoping on the anticipated relicense application for the Packwood Lake Hydroelectric Project (FERC No. 2244), located on Lake Creek and the Cowlitz River in Lewis County, Washington. Energy Northwest, licensee for the Packwood Lake Project, filed its Notice of Intent and Pre-Application Document (PAD) on November 12, 2004 and has chosen to use the Commission's Integrated Licensing Process (ILP) for the project's licensing. Energy Northwest plans to file a final license application for the continued operation of the project on or before February 28, 2008. The project is located entirely within Lewis County and is near the unincorporated community of Packwood within the Gifford Pinchot National Forest.

Pursuant to NEPA, the Commission staff intends to prepare an environmental assessment (EA) for the Packwood Lake Project, which will be used by the Commission to determine whether, and under what conditions, to issue a new hydropower license for the project. To support and assist our environmental review, we are beginning the public scoping process to ensure that all pertinent issues are identified and analyzed.

We invite your participation in the scoping process and are circulating the attached Scoping Document 1 (SD1) to provide you with information on the project and to solicit comments and suggestions on our preliminary list of issues and alternatives to be addressed in the EA. Please review this SD1 and, if you wish to provide comments, follow the instructions contained in section 5.0 *Request for Information*. In addition to our request for information in Section 5.0 of SD1, the Commission's regulations for the ILP require that parties wishing to submit comments on the PAD or staff's SD1 or

wishing to request studies, do so within 60 days of the issuance date of SD1.¹ To assist parties in the development of their study requests (pertaining to format and the study criteria outlined in the Commission's regulation CFR 18 Section 5.8) and to further develop the Project's Process Plan, we will be hosting a workshop on February 2, 2005, at the U.S. Fish and Wildlife Service's Sawyer Hall at 510 Desmond Drive S.E., Lacey, Washington. The workshop will begin at 9:00 AM.

As part of our Scoping process and in an effort to identify issues, concerns, and opportunities associated with a proposed action, we will hold two scoping meetings on February 3, 2005, to receive input on the scope of the EA. A daytime meeting, focused on resource agency, tribal, and non-governmental organization (NGO) input, will begin at 1:00 pm. An evening meeting, primarily for public input, will start at 7:00 pm. Both meetings will be held at the Packwood Community Center, located at 12985 U.S. Highway 12, Packwood Washington. The public, agencies, Indian tribes and NGOs may attend either or both meetings. More information on the meetings is available in the attached SD1.

Under the ILP, the Commission conducts its National Environmental Policy Act (NEPA) scoping meeting within 90 days of the filing of the Licensee's Notice of Intent. A site visit is typically held in conjunction with that scoping meeting. However, anticipating that access to some project facilities would be limited by winter weather, Energy Northwest hosted a project site visit in August 2004. The site visit was noticed by the Commission on July 13, 2004 and attended by Commission staff on August 27, 2004. For these reasons, the Commission will not host its own site visit in conjunction with its NEPA scoping meeting.

Please direct any questions about the Packwood Lake Hydroelectric Projects licensing to Kenneth Hogan at (202) 502-8434, kenneth.hogan@ferc.gov.

Enclosure: Scoping Document 1

cc: Mailing List
Public Files

¹ CFR 18 Section 5.9 *Comments and information or study requests*

SCOPING DOCUMENT 1

PACKWOOD LAKE HYDROELECTRIC PROJECT

WASHINGTON

PROJECT NO. 2244-012

Federal Energy Regulatory Commission
Office of Energy Projects
Division of Hydropower Licensing
Washington, DC

January 2005

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SCOPING DOCUMENT 1
Packwood Lake Hydroelectric Project No. 2244-012

1.0 INTRODUCTION

The Federal Energy Regulatory Commission (Commission or FERC), under the authority of the Federal Power Act (FPA),² may issue licenses for up to 50 years for the construction, operation, and maintenance of non-federal hydroelectric projects. Energy Northwest, licensee for the Packwood Lake Project (FERC Project No. 2244), filed a Pre-Application Document and a Notice of Intent to file an application for a relicense with the Commission on November 12, 2004. The current license was issued on July 7, 1960 and expires on February 28, 2010.

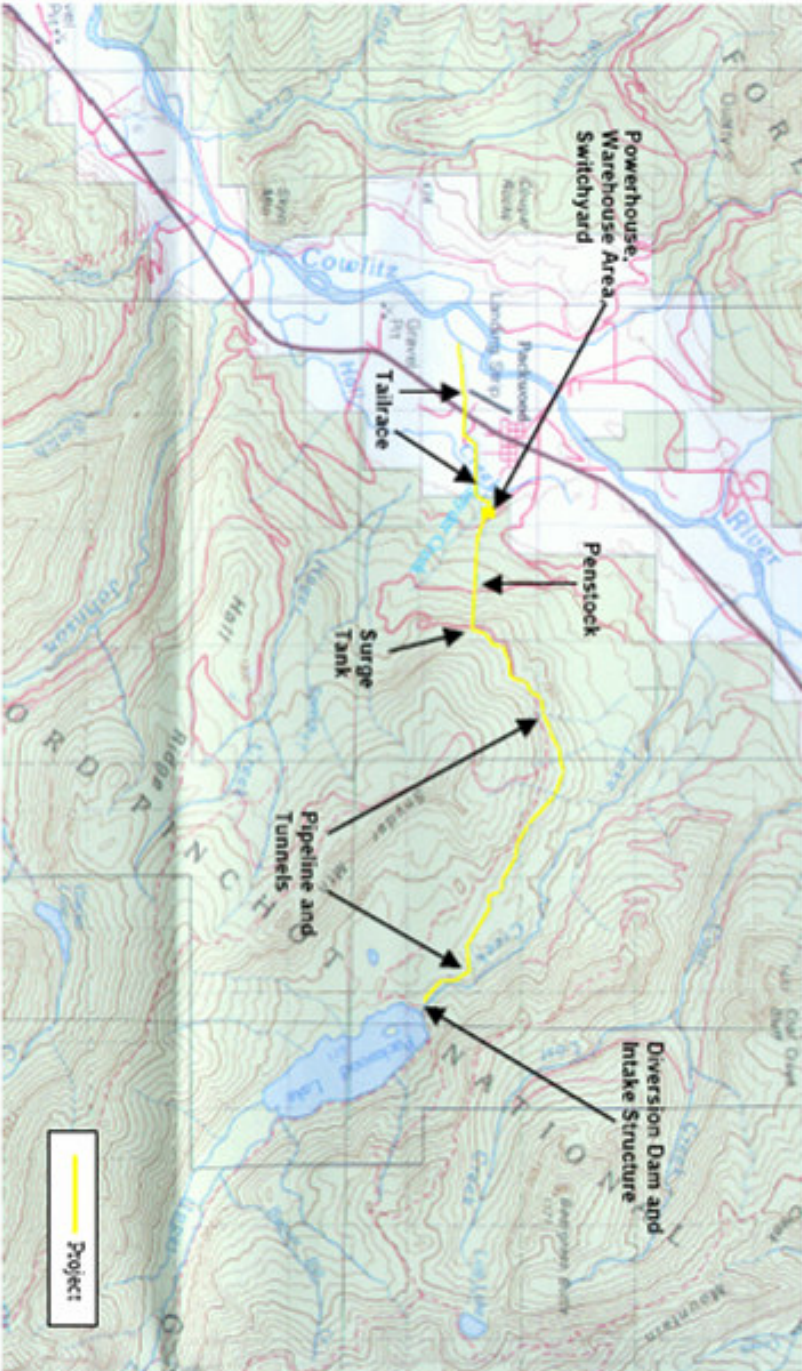
The Packwood Lake Hydroelectric Project is located on Lake Creek and the Cowlitz River in Lewis County, Washington. The project is located within the Gifford Pinchot National Forest (See Figure 1). During the summer months, the Project's license dictates a lake level requirement of 2,857 MSL feet plus or minus 6 inches. From May 1 to September 15, the Project operates in a "run of the river" mode, with Project generation flow adjusted to match lake inflow to hold the lake elevation relatively constant. After mid-September, the lake level may be drawn down up to 8 feet to a level no lower than 2,849 feet mean sea level (MSL). The Project's hydraulic capacity ranges from a maximum of 260 cfs to a minimum of about 17 cfs.³

The Project consists of an intake canal, a concrete drop structure (dam), intake building, concrete pipe and tunnel system, penstock and surge tank. The powerhouse contains a single generating unit with a total installed capacity of 26.1 megawatts (MW) and has an average annual gross generation of 90.6 gigawatthours (GWh). Packwood Lake is a natural water body and serves as the project's source of water. There are no plans for redevelopment or additional units for the Packwood Lake Project. A detailed description of the project is provided in section 3 of this scoping document. All lands within the project boundary are within the Gifford Pinchot National Forest, except for the tailrace and transmission line which cross private parcels.

²16 U.S.C. §791(a) -825(r).

³The upper hydraulic capacity is limited to Energy Northwest's 260 cfs water right.

Figure 1
Packwood Lake Hydroelectric Project Facilities
General Location



From USGS 1:100 000-Scale Series, Mount Ranier Quadrangle

The National Environmental Policy Act of 1969 (NEPA),⁴ the Commission's regulations, and other applicable laws require that we independently evaluate the environmental effects of licensing the project as proposed and also consider reasonable alternatives to the proposed action. Based on a preliminary analysis of the issues, Commission staff is proposing to prepare an environmental assessment (EA) that describes and evaluates the probable effects, including an assessment of the cumulative effects, if any, of the proposed action and alternatives considered. EA preparation will be supported by the scoping process to ensure the identification and analysis of all pertinent issues.

2.0 SCOPING

2.1 Purposes of Scoping

Scoping is the process used to identify issues, concerns, and opportunities associated with a proposed action. According to NEPA, scoping should be conducted early in the planning stage of a project. The purposes of scoping are as follows:

4. invite participation of federal, state, and local resource agencies, Indian tribes, nongovernmental organizations (NGOs), and interested persons to identify significant environmental and socioeconomic issues related to the proposed action;

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5. determine the depth of analysis and significance of issues to be addressed in the EA;

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6. identify how the project would or would not contribute to cumulative impacts in the project area;

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7. identify reasonable alternatives to the proposed action that should be evaluated in the EA;

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8. solicit from participants available information on the resources at issue; and

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9. determine the resource areas and potential issues that do not require detailed analysis during review of the project.

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2.2 Comments and Scoping Meetings

⁴National Environmental Policy Act of 1969, as amended (Pub. L. 91-190. 42 U.S.C. 4321-4347, January 1, 1970, as amended by Pub. L. 94-52, July 3, 1975, Pub. L. 94-83, August 9, 1975, and Pub. L. 97-258, §4(b), Sept. 13, 1982).

Between now and the Commission's licensing decision, there will be the following opportunities to comment:

- during the public scoping process and study plan meetings, prior to the preparation of the EA, so that the Commission staff can receive written comments regarding scope and content;
- in response to the Commission's ready for environmental analysis notice; and
- after issuance of the EA so that staff can receive written comments on the EA.

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In addition to written comments solicited by this SD1, Commission staff will hold two public scoping meetings in the vicinity of the project. An evening meeting will focus on receiving input from the public, and a daytime meeting will focus on resource agency concerns. We invite all interested agencies, Indian tribes, NGOs, and individuals to attend one or both of the meetings to assist staff in identifying the scope of environmental issues that should be analyzed in the EA.

The times and locations of the meetings are as follows:

Daytime Scoping Meeting

Date and Time: Thursday, February 3, 2004, 1:00 PM

Location: Packwood Lake Community Center
12935 U.S. Highway 12
Packwood, Washington

Evening Scoping Meeting

Date and Time: Thursday, February 3, 2004, 7:00 PM

Location: Packwood Lake Community Center
12935 U.S. Highway 12
Packwood, Washington

The scoping meetings will be recorded by a court reporter, and all statements (oral and written) will become part of the Commission's public record for the project. Individuals presenting statements at the meetings will be asked to clearly identify themselves for the record. Interested parties who choose not to speak or who are unable to attend any of the scoping meetings may provide written comments and information to the Commission as described in section 5.0. These meetings are posted on the Commission's calendar located on the internet at

<http://www.ferc.gov/EventCalendar/EventsList.aspx> along with other related information.

Meeting participants should come prepared to discuss their issues and/or concerns as they pertain to the Packwood Lake project's relicensing. We request that participants review the Pre-Application Document (PAD) in preparation for the scoping meetings. A copy of the PAD is available for review at the Commission in the Public Reference Room or may be viewed on the Commission's website (<http://www.ferc.gov>), using the "eLibrary" link. Enter the docket number, P-2244, to access the document. For assistance, contact FERC Online Support at FERCONlineSupport@ferc.gov or toll free at 1-866-208-3676, or for TTY, (202) 502-8659. Copies are also available from Energy Northwest by contacting Laura Schinnell at (509) 372-5123.

Following the scoping meetings and comment period, all issues raised will be reviewed and decisions will be made about the level of analysis needed. If preliminary analysis shows that any issues presented in this scoping document have little potential for causing significant impacts, the issue(s) will be identified and the reasons for not providing a more detailed analysis will be given in the EA.

If we receive no substantive comments on this Scoping Document 1, then we will not prepare a Scoping Document 2. The EA will address recommendations and input received during the scoping process.

3.0 PROPOSED ACTION AND ALTERNATIVES

In accordance with NEPA, our environmental analysis will consider the following alternatives, at a minimum: (1) the licensee's proposed action, (2) alternatives to the proposed action, and (3) no action.

3.1 Energy Northwest's Proposed Action

Energy Northwest proposes to continue operating the Packwood Lake Project as currently licensed. Energy Northwest does not propose any construction, redevelopment, or additional generation units at the project.

3.1.1 Packwood Lake Project Facilities

The existing Packwood Lake project consists of: (1) an intake structure with an intake building, intake canal, a 72-inch pre-tensioned concrete pipeline, and 24-inch fish water release pipeline with remote controlled butterfly valve; (2) an 80-foot wide by 85-foot thick concrete "drop structure" (dam); (3) a 21,691-foot system of concrete pipe and tunnels (16,759 feet of 72-inch pipe, a 1,730-foot tunnel and a 3,202-foot tunnel) to convey water from the lake to the surge tank; (4) a 14-foot diameter surge tank (inner diameter 5.5 feet); (5) a 5,621-foot penstock; (6) a raw water tank and constant head tank;

(7) a 26.1 MW turbine generator powerhouse with fireproof storage building, warehouse/maintenance shop, and storage shed/yard; (8) a 7,700-foot long concrete tailrace channel; and (9) appurtenant facilities. Packwood Lake, a natural water body, serves as the source of water for the project.

3.1.2 Current Project Operation

Under the existing license Energy Northwest operates the project so that the maximum operating pool of Packwood Lake will be 2858.5 feet and the minimum operating water surface elevation doesn't fall below 2849.0 feet. During the period each year between May 1 and September 14, Energy Northwest maintains a water surface elevation of 2857.0 feet. Also, Energy Northwest is required to release a year round minimum flow of 3 cubic feet per second (cfs) from Packwood Lake to Lake Creek and during the period of May 15 through September 15 release up to a maximum of 5 cfs in order to facilitate a flow of 15 cfs measured at the gaging station located at the mouth of Lake Creek.

Project operation is controlled from the Packwood powerhouse. The project is capable of generating power with flows ranging from a maximum of 260 cfs to a minimum of about 17 cfs.

The project produces an average of 90.6 gigawatt-hours of electricity annually, for sale to public utilities and municipalities in the Northwest.

3.1.3 Proposed Project Operation and Facilities

The Packwood Lake Project is an existing development and no new construction or modification of any project structures is proposed at this time. Energy Northwest proposes to continue operating the project as currently licensed.

3.2 Staff's Modification of the Proposed Action

Staff will consider and assess all alternative recommendations for operational or facility modifications, as well as protection, mitigation, and enhancement measures identified by the staff, the agencies, Indian tribes, NGOs, and the general public. To the extent that modifications would reduce the power production of the proposed project, the staff will evaluate costs and contributions to airborne pollution related to generation of replacement power by fossil fuel stations.

3.3 No Action Alternative

Under the no action alternative, the Packwood Lake Project would continue to operate as required by the current project license (i.e., there would be no change to the

existing environment). No new environmental protection, mitigation, or enhancement measures would be implemented. We use this alternative to establish baseline environmental conditions for comparison with other alternatives.

3.4 Alternatives Considered But Eliminated from Detailed Study

At present, we are proposing to eliminate the following alternatives from detailed analysis in the EA.

3.4.1 Federal Government Takeover

We do not consider federal takeover to be a reasonable alternative. Federal takeover of the project would require congressional approval. While that fact alone would not preclude further consideration of this alternative, there is currently no evidence showing that federal takeover should be recommended to Congress. No party has suggested that federal takeover would be appropriate and no federal agency has expressed interest in operating the project.

3.4.2 Nonpower License

A non-power license is a temporary license the Commission would terminate whenever it determines that another governmental agency will assume regulatory authority and supervision over the lands and facilities covered by the non-power license. At this point, no agency has suggested a willingness or ability to do so. No party has recommended a non-power license, and we have no basis for concluding that the project should no longer be used to produce power. Thus, we do not consider a non-power license a reasonable alternative to relicensing in this circumstance.

3.4.3 Project Decommissioning

Project decommissioning could be accomplished with or without dam removal. Either alternative would require denying the relicense application and surrender or termination of the existing license with appropriate conditions. The project provides a viable, safe, and clean renewable source of power to the region. No party has suggested project decommissioning, and we have no basis for recommending it. Thus, at this time project retirement is not a reasonable alternative to relicensing the project with appropriate enhancement measures.

4.0 SCOPE OF CUMULATIVE ANALYSIS AND RESOURCE ISSUES

4.1 Cumulative Effects

According to the Council on Environmental Quality's regulations for implementing NEPA (Section 1508.7), a cumulative effect is the impact on the environment which results from the incremental impact of the action when added to other past, present and reasonably foreseeable future actions, regardless of what agency or person undertakes such other actions. Cumulative effects can result from individually minor but collectively significant actions taking place over a period of time, to include hydropower and other land and water development activities.

Based on information in the Pre-Application Document, agency comments, and preliminary staff analysis, we have not identified any resources as potentially cumulatively affected by the proposed continued operation and maintenance of the Packwood Lake Project.

4.1.1 Geographic Scope

The geographic scope of the analysis defines the physical limits or boundaries of the proposed action's effect on the resources. Because the proposed action would affect the resources differently, the geographic scope for each resource may vary. We have not yet identified the geographic scope and are currently seeking comments and recommendations on the geographic scope.

4.1.2 Temporal Scope

The temporal scope of our cumulative effects analysis in the EA will include a discussion of past, present, and future actions and their effects on each resource that could be cumulatively affected. Based on the potential term of a new license, the temporal scope will look 30-50 years into the future, concentrating on the effect on the resources from reasonably foreseeable future actions. The historical discussion will, by necessity, be limited to the amount of available information for each resource.

4.2 Resource Issues

Environmental issues and concerns preliminarily identified by the staff are presented below. This identification of issues and concerns is not intended to be exhaustive or final, but is an initial listing of issues that have been raised. For convenience, the issues have been listed by resource area.

4.2.1 Geology and Soil Resources

- Effects of continued project operation or changes in project operation or facilities on geology and soils; i.e. leakage in tunnels may result in soil instability.

4.2.2 Water Resources

- Effects of continued project operation or changes in project operation or facilities on the water quality of Packwood Lake, Lake Creek, and the Cowlitz River (dissolved oxygen, water temperature and/or turbidity).
- Effects of continued project operation or changes in project operation or facilities on stream flows in Lake Creek.

4.2.3 Aquatic Resources

- Effects of continued project operation or changes in project operation or facilities on aquatic habitats in Packwood Lake and Lake Creek.
- Effects of continued project operation or changes in project operation or facilities on aquatic biota including fish and macroinvertebrates.

4.2.4 Terrestrial Resources

Effects of continued project operation or changes in project operation or facilities on vegetation and wildlife resources, including wetlands and wetland-dependent wildlife.

4.2.5 Threatened and Endangered Species

- Effects of continued project operation or changes in project operation or facilities on any threatened and endangered species.

4.2.6 Recreation Resources and Land Uses

- Effects of the continued project operation or changes in project operation or facilities on recreational opportunities within the project area, including, but not limited to, effects on trails and roads and recreational fishing on Packwood Lake.
- Effects of project-induced recreation use on the natural environment.

4.2.7 Cultural Resources

- Effects of continued project operation or changes in project operation on historic and archeological resources that are listed or considered eligible for inclusion in the National Register of Historic Places.
- Effects of continued project operation or changes in project operation or facilities on traditional cultural properties, if any exist.

4.2.8 Aesthetic Resources

- Effects of continued project operation or changes in project operation or facilities on aesthetic resources within the project area.

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4.2.9 Developmental Resources

- Effects of any recommended environmental measures on the project's economics.

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4.3 Proposed Protection and Enhancement Measures

Energy Northwest has not proposed any specific measures to protect and enhance environmental resources that may be affected by the project. Depending upon findings of studies completed by Energy Northwest and the recommendations of stakeholders, Energy Northwest will consider and may propose additional measures to enhance environmental resources affected by the project as part of the proposed action.

The following are Energy Northwest's initial study proposals with the understanding that further studies may need to be added to this list based on comments provided to FERC from interested parties, including tribes. Energy Northwest proposes to:

Water Resources

- document the existing water quality conditions (physical, chemical, and biological water quality characteristics) in Packwood Lake, Lake Creek, Cowlitz River, tributaries to Packwood Lake, and waters affected by the Project;

Aquatic Resources

- conduct instream flow study for Lake Creek using the Instream Flow Incremental Methodology (IFIM);
- conduct anadromous salmonid spawner surveys in August 2004 throughout the Chinook, coho, and steelhead spawning season;

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- verify preference curve data for both resident and anadromous salmonids;
- determine if some currently selected transects would be appropriate for amphibian modeling and apply preference curves for tailed frogs and Pacific giant salamanders;
- examine the potential for the Project to entrain fish at the intake;
- establish relative distribution of and abundance of rainbow trout and other species with electrofishing;
- snorkel at various study sites to determine species presence, distribution, and relative abundance;
- complete stranding/ramping rate study to evaluate changes in stage caused by the Project;
- determine if any barriers at the mouth of tributaries to Packwood Lake exist at lower lake levels, potentially preventing upstream migration;
- survey potential anadromous barrier at RM 1.03;

Wildlife and Botanical Resources

- prepare a supplement to the PAD if other entities have additional information concerning wildlife use in the Packwood area.

Cultural Resources

- complete a field heritage resource inventory within the Project boundary, incorporating information from previous surveys conducted by the US Forest Service, evaluate if sites are eligible for the National Historic Registry, identify their condition, and determine whether any Project related effects are occurring;
- coordinate with Gifford Pinchot National Forest personnel, tribes and the State Historic Preservation Office if any unanticipated ground disturbing activities are required to maintain the project;
- complete a Historic Properties Management Plan for resources within the Project boundary.

5.0 REQUEST FOR INFORMATION

We are asking federal, state, and local resource agencies, Indian tribes, nongovernmental organizations, and other entities and individuals to forward to the Commission any information that will assist the staff in conducting an accurate and thorough analysis of the site-specific and cumulative effects of licensing the Packwood Lake Project. Types of information that we seek include, but are not limited to:

- information, quantified data, or professional opinion that may contribute to defining the geographic scope of the cumulative effects analysis and identifying significant environmental issues; Formatted: Indent: Left: 0.5", Hanging: 0.5", Bulleted + Level: 1 + Aligned at: 1.25" + Tab after: 1.5" + Indent at: 1.5", Tabs: Not at 1.5"
- identification of, and information from, any other environmental document or similar study (previous, ongoing, or planned) relevant to the proposed licensing of the project; Formatted: Indent: Left: 0.5", Hanging: 0.5", Bulleted + Level: 1 + Aligned at: 1.25" + Tab after: 1.5" + Indent at: 1.5", Tabs: Not at 1.5"
- existing information and any data that would help to describe the past and present actions and future and the effects of the project and other developmental activities on environmental and socioeconomic resources; Formatted: Indent: Left: 0.5", Hanging: 0.5", Bulleted + Level: 1 + Aligned at: 1.25" + Tab after: 1.5" + Indent at: 1.5", Tabs: Not at 1.5"
- information that would help characterize the existing environmental conditions and habitats; Formatted: Indent: Left: 0.5", Hanging: 0.5", Bulleted + Level: 1 + Aligned at: 1.25" + Tab after: 1.5" + Indent at: 1.5", Tabs: Not at 1.5"
- identification of any federal, state, or local agency or Indian tribe resource plans and future project proposals in the affected resource area, such as proposals to construct or operate water treatment facilities, recreation areas, water diversions, timber harvest activities, or fish management programs; Formatted: Indent: Left: 0.5", Hanging: 0.5", Bulleted + Level: 1 + Aligned at: 1.25" + Tab after: 1.5" + Indent at: 1.5", Tabs: Not at 1.5"
- documentation of cumulative effects of basin-wide activities, including the proposed project operation, on resources; and Formatted: Indent: Left: 0.5", Hanging: 0.5", Bulleted + Level: 1 + Aligned at: 1.25" + Tab after: 1.5" + Indent at: 1.5", Tabs: Not at 1.5"
- documentation that would support a conclusion that the proposed project does or does not contribute to adverse or beneficial effects on resources and should therefore be excluded from further study or included for further consideration of cumulative effects. Documentation should include, but need not be limited to: how the project would interact with other hydropower projects in the area and other developmental and non-developmental activities; results from studies; resource management policies; and reports from federal, state, and local agencies and Indian tribes. Formatted: Indent: Left: 0.5", Hanging: 0.5", Bulleted + Level: 1 + Aligned at: 1.25" + Tab after: 1.5" + Indent at: 1.5", Tabs: Not at 1.5"

The requested information should be submitted in writing to the Commission no later than March 14, 2005. All filings must clearly identify the following on the first page: Packwood Lake Hydroelectric Project No. 2244-012. Address all communications to:

Magalie R. Salas, Secretary
 Federal Energy Regulatory Commission
 888 First Street, N.E., Room 1A
 Washington, DC 20426

All filings sent to the Secretary of the Commission should contain an original and eight copies. Failure to file an original and eight copies may result in appropriate staff not receiving the benefit of your comments in a timely manner. The Commission strongly encourages electronic filings. See 18 CFR 85.2001(a)(1)(iii) and the instructions on the Commission's website (<http://www.ferc.gov>) under the "e-filing" link. For assistance, please contact FERC Online Support at FERCOnlineSupport@ferc.gov or toll-free at 1-(866) 208-3676, or for TTY, (202) 502-8659.

Register online at <http://ferc.gov/esubscribenow.htm> to be notified via e-mail of new filing and issuances related to this or other pending projects. For assistance, contact FERC Online Support.

Any questions concerning scoping or preparation of the EA for this proposed action should be directed to Kenneth Hogan at (202)502-8434 or kenneth.hogan@ferc.gov.

6.0 EA PREPARATION SCHEDULE

At this time we do not anticipate the need to prepare a draft EA. We will prepare one EA, which will be sent to all persons and entities on the Commission's service and mailing lists for the Packwood Lake Project. The EA will include recommendations for operating procedures, and environmental protection and enhancement measures that should be part of any license issued by the Commission. Recipients will then have 30 days to provide the Commission with written comments on the EA. All comments on the EA filed with the Commission will be considered in the Commission's decision on the license application.

Appendix A contains the Process Plan and schedule for pre-application activity. Our preliminary schedule for processing the license application is as follows:

ACTION	TARGET DATE
Scoping Meeting	February 2005
License Application Filed	February 2008
Issue Ready for Environmental Analysis Notice	April 2008
Deadline for Filing Preliminary Agency Recommendations	June 2008
Single EA Issued	December 2008
Deadline for Filing Modified Agency Recommendations	March 2009
Ready for Commission Decision on the Application	May 2009

7.0 DRAFT EA OUTLINE

The preliminary outline for the Packwood Lake Project EA is as follows:

SUMMARY

- I. APPLICATION
- II. PURPOSE OF ACTION AND NEED FOR ACTION
 - A. Purpose of Action
 - B. Need for Power
- III. PROPOSED ACTION AND ALTERNATIVES
 - A. Applicant's Proposed Action
 - B. Proposed Action with Additional Staff-recommended Measures
 - C. No-action
 - D. Alternatives Considered but Eliminated from Detailed Study
- IV. CONSULTATION AND COMPLIANCE
 - A. Consultation
 - 1. Scoping
 - 2. Interventions
 - 3. Comments on the Applications
 - B. Compliance
 - 1. Water Quality Certifications
 - 2. Section 18 Fishway Prescriptions
 - 3. Endangered Species Act
 - 4. Coastal Zone Consistency Determination
- V. ENVIRONMENTAL ANALYSIS
 - A. General Description of the Cowlitz River and Lake Creek
 - B. Cumulative Effects
 - 1. Geographic Scope
 - 2. Temporal Scope
 - C. Environmental Analysis
 - 1. Water Resources
 - 2. Aquatic Resources
 - 3. Terrestrial Resources
 - 4. Threatened and Endangered Resources

- 5. Recreational Resources and Land Use
 - 6. Aesthetic Resources
 - 7. Cultural Resources
 - D. No Action
- VI. DEVELOPMENTAL ANALYSIS
 - A. Power and Economic Benefits of the Projects
 - B. Cost of Environmental Measures
 - C. No-action Alternative
 - D. Economic Comparison of the Alternatives
 - VII. COMPREHENSIVE DEVELOPMENT ANALYSIS
 - A. Recommended Alternative
 - B. Conclusion
 - VIII. RECOMMENDATIONS OF FISH AND WILDLIFE AGENCIES
 - IX. CONSISTENCY WITH COMPREHENSIVE PLANS
 - X. FINDING OF [OR NO] SIGNIFICANT IMPACT
 - XI. LITERATURE CITED
 - XII. LIST OF PREPARERS
- APPENDICES (if necessary)

8.0 LIST OF COMPREHENSIVE PLANS

Section 10(a)(2) of the FPA requires us to consider whether or not, and under what conditions, relicensing the project would be consistent with relevant comprehensive plans on the Commission's Comprehensive Plan List. Those plans currently listed which we consider to be relevant to this project are listed below. Agencies are requested to review this list and to inform FERC of any changes (additions/subtractions). If there are plans that should be added to the list, agencies should file the plans according to 18 CFR 2.19.

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APPENDIX A: PROCESS PLAN AND SCHEDULE

Below is the schedule for the Packwood Lake Hydroelectric Project pre-application activity.

Responsible Entity	Pre-Filing Milestone	Date	FERC Regulation
ENW	Issue Public Notice for NOI/PAD	11/10/04	5.3(d)(2)
ENW	File NOI/PAD with FERC	11/12/04	5.5, 5.6
FERC	Tribal Meeting	8/25/04	5.7
FERC	Notice of Commencement of Proceeding & SD1	1/11/05	5.8
FERC	Scoping Document 1 issued	1/11/05	5.8(c)
FERC	Scoping and Site Visit	2/3/05	5.8(b)(viii)
All stakeholders	NOI/PAD/SD1 comments due	3/12/05	5.9
FERC	Issue SD2 if needed	4/26/05	5.1
ENW	File Proposed Study Plan	4/26/05	5.11(a)
All stakeholders	Study Plan Meeting	5/26/05	5.11(e)
All stakeholders	Study Plan Comments due	7/25/05	5.12
ENW	File Revised Proposed Study Plan	8/24/05	5.13(a)
All stakeholders	Revised Proposed Study Plan Comments due	9/8/05	5.13(b)
FERC	Director's Study Plan Determination	9/23/05	5.13(c)
FS, FWS, WDOE	Any Study Disputes due ¹	10/13/05	5.14(a)
Study D. Panel	Third Panel Member selected	10/28/05	5.14(d)(3)
Study D. Panel	Panel Convenes	11/2/05	5.14(d)
ENW	Applicant Comments on Study Dispute due	11/7/05	5.14(j)
Study D. Panel	Technical Conference held	11/12/05	5.14(j)
Study D. Panel	Panel Finding Issued	12/2/05	5.14(k)
FERC	Director's Study Dispute Determination	12/22/05	5.14(l)
		Spr/Sum	
ENW	First Study Season	06	5.15(a)
ENW	Initial Study Report	9/23/06	5.15(c)(1)
All stakeholders	Initial Study Report Meeting	10/8/06	5.15(c)(2)
ENW	Initial Study Report Meeting Summary	10/23/06	5.15(c)(3)
All stakeholders	Study Disputes/Request to Modify Study Plan due	11/22/06	5.15(c)(4)
All stakeholders	Responses to Disputes/Study Requests	12/22/06	5.15(c)(5)
FERC	Directors Study Plan Determination	1/21/07	5.15(c)(6)
		Spr/Sum	
ENW	Second Study Season	07	5.15(a)
ENW	Updated Study Report due	9/23/07	5.15(f)
All stakeholders	Updated Study Report Meeting	10/8/07	5.15(f)
ENW	Updated Study Report Meeting Summary	10/23/07	5.15(f)
All stakeholders	Study Disputes/Request to Modify Study Plan due	11/22/07	5.15(f)
All stakeholders	Responses to Disputes/Study Requests	12/22/07	5.15(f)
FERC	Directors Study Plan Determination	1/21/08	5.15(f)
ENW	Preliminary Licensing Proposal due	10/1/07	5.16(a)
All stakeholders	Comments on Preliminary Licensing Proposal	12/30/07	5.16(e)