SCOPING DOCUMENT 1

SWEETHEART LAKE HYDROELECTRIC PROJECT

ALASKA

PROJECT NO. 13563

Prepared for the
Federal Energy Regulatory Commission
Office of Energy Projects
Division of Hydropower Licensing
Washington, D.C.

August 2011
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<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ac-ft</td>
<td>acre-feet</td>
</tr>
<tr>
<td>AELP</td>
<td>Alaska Electric Light and Power</td>
</tr>
<tr>
<td>ALP</td>
<td>Alternative Licensing Process</td>
</tr>
<tr>
<td>Alaska DEC</td>
<td>Alaska Department of Environmental Conservation</td>
</tr>
<tr>
<td>Alaska DFG</td>
<td>Alaska Department of Fish and Game</td>
</tr>
<tr>
<td>Alaska DNR</td>
<td>Alaska Department of Natural Resources</td>
</tr>
<tr>
<td>APE</td>
<td>Area of Potential Effect</td>
</tr>
<tr>
<td>cfs</td>
<td>cubic feet per second</td>
</tr>
<tr>
<td>Commission or FERC</td>
<td>Federal Energy Regulatory Commission</td>
</tr>
<tr>
<td>EA</td>
<td>environmental assessment</td>
</tr>
<tr>
<td>EIS</td>
<td>environmental impact statement</td>
</tr>
<tr>
<td>Forest Service</td>
<td>U.S. Forest Service</td>
</tr>
<tr>
<td>FPA</td>
<td>Federal Power Act</td>
</tr>
<tr>
<td>GWh</td>
<td>gigawatt-hours</td>
</tr>
<tr>
<td>Juneau Hydropower</td>
<td>Juneau Hydropower Inc.</td>
</tr>
<tr>
<td>MW</td>
<td>megawatt</td>
</tr>
<tr>
<td>MWh</td>
<td>megawatt-hours</td>
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<tr>
<td>NEPA</td>
<td>National Environmental Policy Act</td>
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<tr>
<td>NMFS</td>
<td>National Marine Fisheries Service</td>
</tr>
<tr>
<td>NGO</td>
<td>non-governmental organizations</td>
</tr>
<tr>
<td>PAD</td>
<td>Pre-Application Document</td>
</tr>
<tr>
<td>PDEA</td>
<td>preliminary draft environmental assessment</td>
</tr>
<tr>
<td>PM&amp;E</td>
<td>protection, mitigation, and enhancement measures</td>
</tr>
<tr>
<td>SD1</td>
<td>Scoping Document 1</td>
</tr>
<tr>
<td>SD2</td>
<td>Scoping Document 2</td>
</tr>
<tr>
<td>Sweetheart Lake Project or project</td>
<td>Sweetheart Lake Hydroelectric Project</td>
</tr>
<tr>
<td>USFWS</td>
<td>U.S. Fish and Wildlife Service</td>
</tr>
<tr>
<td>USGS</td>
<td>U.S. Geological Service</td>
</tr>
</tbody>
</table>

SCOPING DOCUMENT 1
Sweetheart Lake Hydroelectric Project, No. 13563

1.0 INTRODUCTION

BACKGROUND

The Federal Energy Regulatory Commission (Commission or FERC), under the authority of the Federal Power Act (FPA),\textsuperscript{1} may issue licenses for terms ranging from 30 to 50 years for the construction, operation, and maintenance of non-federal hydroelectric projects. On July 28, 2010, Juneau Hydropower Inc. (Juneau Hydropower) filed a Pre-Application Document (PAD) and Notice of Intent to seek an original license for the 30-megawatt (MW) Sweetheart Lake Hydroelectric Project (Sweetheart Lake Project or project).\textsuperscript{2} Juneau Hydropower also submitted a request to FERC to use the Alternative License Process (ALP) on July 28, 2010.

The Sweetheart Lake Project would be located about 30 air miles and 33 nautical miles southeast of the City of Juneau, Alaska on the western shore of the mainland just south of the Harding River and at the confluence of Sweetheart Creek and Gilbert Bay (Figure 1, 2). The project would occupy federal lands within the Tongass National Forest, administered by the U.S. Forest Service. The proposed project would consist of: (1) the existing Lower Sweetheart Lake, raised from a surface water elevation of 544 feet and a surface area of 1,414 acres to a new surface water elevation of 629 feet and a new surface area of 1,635 acres; (2) a new, approximately 500-feet-long, 90-feet-high concrete and rock-faced dam, constructed at the outlet of Lower Sweetheart Lake; (3) an intake on the dam connecting to a 12-foot-diameter, 10,390-foot-long unlined tunnel; (4) a 9-foot-diameter, 1,650-foot-long penstock installed within the lower 1,650 feet of the tunnel, extending to the powerhouse; (5) a powerhouse containing two new Francis generating units with a total installed capacity of 30 MW; (6) a new tailrace discharging flows to Sweetheart Creek; (7) a new approximately 0.6-mile long road from the powerhouse to

\textsuperscript{1} 16 U.S.C. § 791(a)-825(r).
\textsuperscript{2} On December 14, 2009, the Commission issued a Preliminary Permit (permit) to Juneau Hydropower to study the feasibility of developing a hydroelectric project on the Lower Sweetheart Lake. The permit provides Juneau Hydropower protection under the FPA from competitive applications while conducting the studies and processes necessary to complete an application for license. In its Notice of Intent, Juneau Hydropower expects to file the license application with the Commission by December, 2012.
the dock/landing site; (8) a new dock/landing site for boat, seaplane, and/or helicopter access, located on the east shore of Gilbert Bay; (9) a new 138-kilovolt transmission line that would be either 8.9 miles with 5.9 miles of overhead line and 3 miles of submerged line, or 8.4 miles with 0.4 miles of overhead line and 8.0 miles of submerged line; and (10) appurtenant facilities. The proposed Sweetheart Lake Project would have an average annual generation of 136 gigawatt-hours.

<table>
<thead>
<tr>
<th>Generation Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable Stored Capacity</td>
</tr>
<tr>
<td>Operational Draw-down</td>
</tr>
<tr>
<td>Elevation Drop</td>
</tr>
<tr>
<td>Dam size</td>
</tr>
<tr>
<td>Power Conduit (diameter/length)</td>
</tr>
<tr>
<td>Installed Capacity</td>
</tr>
<tr>
<td>Turbine Type/Number</td>
</tr>
<tr>
<td>Estimated Average Annual Energy</td>
</tr>
</tbody>
</table>

The National Environmental Policy Act (NEPA) of 1969,³ the Commission’s regulations, and other applicable laws require the Commission to independently evaluate the environmental effects of issuing an original license for the Sweetheart Lake Hydroelectric Project as proposed, and to consider reasonable alternatives to Juneau Hydropower’s proposal. At this time, Commission staff intend to prepare a draft and final environmental assessment (EA). The EA will describe and evaluate the probable effects, including any site-specific and cumulative effects, of the proposed action and alternatives. The EA preparation will be supported by a scoping process to ensure identification and analysis of all pertinent issues. Although our current intent is to

prepare a draft and final EA, there is a possibility that an environmental impact assessment (EIS) will be required. The scoping process will satisfy the NEPA scoping requirements, irrespective of whether the Commission issues an EA or an EIS.

**Sweetheart Lake Hydroelectric Project Background & Licensing Process to Date**

Since the Preliminary Permit was issued on December 9, 2009, the licensing process for the Sweetheart Lake Hydroelectric Project includes the following activities:

- Distribution of a PAD describing the project, the licensing process, and preliminary environmental information, on July 28, 2010. The PAD contains descriptions of existing resources, expected impacts, and possible environmental studies, as known at the time of writing, and is a source of background information. The Juneau Hydropower PAD encompasses the known documentation that exists in the project area and serves as a baseline for subsequent studies.

- Submission to the Commission and consulting agencies of a request to utilize the Alternative Licensing Procedures (ALP) on July 28, 2010. The ALP is a process for licensing which allows the applicant to prepare a preliminary draft environmental assessment (PDEA), in lieu of an Exhibit E, as part of the license application. Subsequently, the use of the ALP process was approved by the Commission on September 24, 2010.

- Submission to the Commission to authorize Juneau Hydropower to conduct Section 106 on behalf of the project on August 13, 2010. Permission to conduct Section 106 consultation allows Juneau Hydropower to initiate consultation with the Alaska State Historic Preservation Officer, appropriate Native Alaskan tribes, and other consulting parties, pursuant to 36 CFR Part 800.2(c)(4) of the regulations implementing Section 106 of the National Historic Preservation Act. On August 24, 2010, FERC granted Juneau Hydropower permission to initiate Section 106 consultation on behalf of the Sweetheart Lake Hydroelectric Project.

- On August 13, 2010, Juneau Hydropower requested that FERC designate it as the nonfederal representative for the purpose of conducting informal consultation with the National Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service (FWS) pursuant to section 7 of the Endangered Species Act and the Magnuson-Stevens Fishery Conservation and Management Act for the Sweetheart Lake Hydroelectric Project.
Lake Project. On August 20, 2010, the Commission designated Juneau Hydropower as the Commission’s non-federal representative to conduct informal consultation with NMFS and FWS.

- On October 28, 2010, Juneau Hydropower held an initial agency meeting at the U.S. Federal Building in Juneau for the purpose of presenting and obtaining proposed study feedback related to the PAD to Federal and State agencies and Native Alaskan Tribes. Juneau Hydropower and its consultants received agency comments at this meeting to incorporate in proposed study plans. Subsequent to this meeting, Juneau Hydropower has received insightful comments from many agencies that have been incorporated into study plans. This meeting was recorded on videotape and is available for review.

- On April 12, 2011, Juneau Hydropower held a Roadless issue meeting with representatives for the Forest Service as requested by FERC. Juneau Hydropower and the Forest Service discussed the Land Use Designation and the Roadless Rule issues with regard to the project. Juneau Hydropower will continue to monitor policy guidance from the Forest Service regarding hydropower development and Roadless Rule issues in the Tongass National Forest. Juneau Hydropower will continue to work within the Tongass Land Management Plan and subsequent Roadless Rule guidance on Tongass Forest hydropower development.

- On May 31, 2011, Juneau Hydropower filed its Draft Cultural Study Plan for agency and public comment.

- On July 21, 2011, Juneau Hydropower filed its Draft Terrestrial Resources and Wetland Delineation Study Plan for agency and public comment.

All documents, meeting video, and submissions from these early licensing activities are available from the Juneau Hydropower website; [www.juneauhydro.com](http://www.juneauhydro.com). In addition, non-video documents are available for public review at the Downtown Juneau Public Library, 292 Marine Way, Juneau, AK 99801.

The exact name, business address and phone number of the person authorized to act as an agent for the applicant is:

Duff W. Mitchell
Business Manager, Juneau Hydropower Inc.
P.O. Box 22775  
Juneau, Alaska  99802  
Phone:  907-789-2775  
E-mail:  duff.mitchell@juneauhydro.com

All questions, comments, or correspondence related to the licensing for the project should be directed to Duff W. Mitchell at the above address and filed with the Commission. Changes in this contact information will be notified directly to all interested parties and through announcements in a local newspaper.

The schedule shown in table 1 demonstrates completed and prospective actions leading to a final license application to the Commission for a license to construct, operate, and maintain the Sweetheart Lake Hydroelectric Project.
### Table 1. Process Plan and Schedule

<table>
<thead>
<tr>
<th>Activity</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD/NOI/ALP Request</td>
<td>July 28, 2010</td>
</tr>
<tr>
<td>FERC granted Juneau Hydropower’s request to be the designated non-federal representative for ESA consultation</td>
<td>August 20, 2010</td>
</tr>
<tr>
<td>FERC granted Juneau Hydropower’s request to initiate Section 106 consultations</td>
<td>August 24, 2010</td>
</tr>
<tr>
<td>FERC approved use of the ALP</td>
<td>September 24, 2010</td>
</tr>
<tr>
<td>Juneau Hydropower received Forest Service SUP</td>
<td>October 28, 2010</td>
</tr>
<tr>
<td>Juneau Hydropower conducted Initial Agency Meeting</td>
<td>October 28, 2010</td>
</tr>
<tr>
<td>Scoping Document 1 issued</td>
<td>August 8, 2011</td>
</tr>
<tr>
<td>Scoping Meeting</td>
<td>September 7, 2011</td>
</tr>
<tr>
<td>Site Visit</td>
<td>September 8, 2011</td>
</tr>
<tr>
<td>Scoping Document 2</td>
<td>Winter 2011/2012</td>
</tr>
<tr>
<td>Study Planning</td>
<td>2010-2011</td>
</tr>
<tr>
<td>Study Execution</td>
<td>2011-2012</td>
</tr>
<tr>
<td>Engineering Studies</td>
<td>2011-2012</td>
</tr>
<tr>
<td>Draft License Application (DLA) to Stakeholders</td>
<td>Late Summer/Fall 2012</td>
</tr>
<tr>
<td>Agencies, Tribes, Stakeholders Comment on DLA</td>
<td>Late Fall 2012</td>
</tr>
<tr>
<td>Final License Application filed with FERC</td>
<td>November 30, 2012</td>
</tr>
</tbody>
</table>
Figure 1. Project Map Overview (Source Juneau Hydropower PAD, 2010)
2.0 SCOPING

This Scoping Document 1 (SD1) is intended to advise all participants as to the proposed scope of the EIS and to seek additional information pertinent to this analysis. This document contains: (1) a description of the scoping process; (2) a description of the proposed action and alternatives; (3) a preliminary identification of environmental issues and proposed studies; (4) a request for comments and information; (5) a proposed EA outline; and (6) a preliminary list of comprehensive plans which would be applicable to the project.
2.1 PURPOSES OF SCOPING

Scoping is the process used to identify issues, concerns, and opportunities for enhancement or mitigation associated with a proposed action. This Scoping Document 1 (SD1) is intended to advise all participants as to the proposed scope of the EA and to seek additional information pertinent to this analysis. According to NEPA, the process should be conducted early in the planning stage of the project. Under the ALP, the applicant conducts scoping in collaboration with Commission staff to fulfill the FERC’s NEPA responsibilities. The purposes of the scoping process are as follows:

- invite participation of federal, state and local resource agencies, Native Alaskan tribes, non-governmental organizations (NGOs), and the public to identify significant environmental and socioeconomic issues related to the proposed project;
- determine the resource issues, depth of analysis, and significance of issues to be addressed in the EA;
- identify how the project would or would not contribute to cumulative effects in the project area;
- identify reasonable alternatives to the proposed action that should be evaluated in the EA;
- solicit, from participants, available information on the resources at issue, including existing information and study needs; and
- determine the resource areas and potential issues that do not require detailed analysis during review of the project.

2.2 COMMENTS, SCOPING MEETINGS, AND SITE VISIT

Throughout the ALP, there will be several opportunities for the resource agencies, Native Alaskan tribes, NGOs, and the public to provide input. These opportunities occur:
• during the public scoping process and study plan meetings, when we solicit oral and written comments regarding scoping of the issues and analysis for the EA;

• in response to comments on the PDEA and draft license application;

• in response to the Commission’s ready for environmental analysis notice; and

• after issuance of the Commission’s EA when we solicit written comments on the EA.

In addition to written comments solicited by this SD1, we will hold two public scoping meetings and a site visit. A daytime meeting will focus on concerns of the resource agencies, NGO’s, and Native Alaskan tribes, and an evening meeting will focus on receiving input from the public. We invite all interested agencies, Native Alaskan tribes, NGOs, and individuals to attend one or all of the meetings and the site visit to assist us in identifying the scope of environmental issues that should be analyzed in the EA. The times and locations of the meetings and site visit are as follows:

**Daytime Scoping Meeting**

Date and Time: Wednesday, September 7, 2011, 1:00 p.m. - 4:00 p.m. (Alaska Standard Time)
Location: Juneau Ranger District Conference Room
8510 Mendenhall Loop Road
Juneau, AK  99801
Phone Number: (907) 789-6283

**Evening Scoping Meeting**

Date and Time: Wednesday, September 7, 2011, 6:00 p.m. – 9:00 p.m. (Alaska Standard Time)
Location: Juneau Centennial Hall, Hickel Room
101 Egan Drive
Juneau, AK 99801
Phone Number: (907) 586-5283
Site Visit

Date and Time: Thursday, September 8, 2011, 9:30 a.m. (Alaska Standard Time)
Location: Ward Air Hanger Juneau Airport

Sweetheart Lake Hydroelectric Project is located approximately 35 miles south of the City of Juneau, on the east side of Gilbert Bay.

Please notify Duff W. Mitchell (907) 789-2775 or at duff.mitchell@juneauhydro.com by September 1, 2011, if you plan to attend the site visit. Reservations to participate in the site visit should be made 7 calendar days prior to site visit.

The scoping meetings will be videotaped by a professional media firm and recorded by a court reporter, and all statements (verbal and written) will become part of the Commission’s public record for the project. Before each meeting, all individuals who attend, especially those who intend to make statements, will be asked to sign in and clearly identify themselves for the record. Interested parties who choose not to speak or who are unable to attend the scoping meetings may provide written comments and information to the Commission as described in section 6.0. These meetings are posted on the Commission’s calendar located on the internet at 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 licensing of the Sweetheart Lake Hydroelectric Lake Project. It is advised that participants review the PAD and review the videotape of the Initial Agency Meeting in preparation for the scoping meetings. Copies of the PAD are 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-13563, to access the documents. For assistance, contact FERC Online Support at FERCONlineSupport@ferc.gov or toll free at 1-866-208-3676, or for TTY, (202) 502-8659. A copy of the PAD is also available on the Juneau Hydropower website at www.juneauhydro.com and a hard copy of the PAD is available at the Juneau Public Library, 292 Marine Way, Juneau, Alaska, 99801.

Juneau Hydropower and Commission staff will visit the site of the proposed project on Thursday, September 8, 2011 at 9:30 a.m. Anyone with questions about the site visit should contact Duff W. Mitchell at (907) 789-2775 or duff.mitchell@juneauhydro.com
Following the scoping meetings and comment period, all issues raised will be reviewed and decisions made as to the level of analysis needed. If preliminary analysis shows that any issues presented in this scoping document have little potential for causing significant effects, the issue(s) will be identified and the reasons for not providing a more detailed analysis will be given in the Preliminary Draft Environmental Assessment PDEA.

If we receive no substantive comments on this SD1, then we will not prepare a Scoping Document 2 (SD2). Otherwise, we will issue SD2 to address any substantive comments received. The SD2 will be issued for informational purposes only; no response will be required. In the alternative, we may revise study plans, if necessary, to reflect comments received during the comment period. The PDEA, as modified and included in the draft and final applications for license, will address recommendations and input received during the scoping process. The information in the PDEA along with other information developed for the license application will serve as the basis for the Commission’s EA.

3.0 PROPOSED ACTION AND ALTERNATIVES

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

3.1 APPLICANT’S PROPOSAL

3.1.1 Proposed Project Facility Features and Boundary

The project description and the data presented herein are derived from the preliminary permit application and the PAD that were developed from the 1947 Federal Power Commission report titled, “Water Powers of Southeast Alaska” and the 1962 report by the U.S. Department of Interior, Geological Survey Water Supply Paper 1530 entitled Water Power Resources near Petersburg and Juneau, Southeast Alaska.

Juneau Hydropower has proposed the project boundary in the preliminary permit application and identified in Figure 2. The FERC boundary for the project would extend
approximately 350 feet from all project features for public safety and critical energy infrastructure security measures.

In the following descriptions, elevations (El) are relative to low mean sea level. Vertical and horizontal distances are in English units. Directions near streams are left or right, looking downstream.

**Reservoir.**

The project would impound Lower Sweetheart Lake, which has an existing surface elevation of 544 feet and surface area of 1,414 acres, creating a new surface elevation of 629 feet and surface area of 1,635 acres. The result would create both added storage of approximately 129,693 acre-feet of additional storage, and add approximately 85 feet of gross head, for a total of approximately 600 feet of head.

The proposed project operation would fluctuate the surface elevation of the new impounded reservoir about 60 feet annually, creating an active storage capacity of approximately 93,500 acre-feet.

**Dam.**

A new dam approximately 500 feet long and 90 feet high, composed of a concrete core and rock face, would be constructed at the outlet of Lower Sweetheart Lake.

**Spillway.**

An overflow relief spillway would be provided for discharge from the storage reservoir as well as a low flow control device to provide for minimum stream flows as necessary.

**Tunnel.**

Water would be withdrawn via an intake structure located at the upper tunnel portal at elevation 550 feet on the north bank of Lower Sweetheart Lake. The intake and upstream tunnel portal, as currently configured, would be located just upstream of the dam. The 12-foot-diameter, 10,390-foot-long tunnel would be constructed at a 4.8-percent grade. The upper 8,740 feet would be unlined, and the lower 1,650 feet would be lined. The lower tunnel portal would be at elevation 29 feet, adjacent to the powerhouse.
Penstock.

The lower section of the 12-foot-diameter tunnel would be lined with a 9-foot-diameter steel penstock, connecting to the powerhouse. The penstock would be 1,650 feet long. There would be a rock trap in the tunnel just upstream of the penstock.

![Figure 3. Tunnel and Penstock (Source: Juneau Hydropower, PAD, 2010)](image)

Powerhouse.

The powerhouse would be located at elevation 29 feet, at or near the elevation of the barrier falls of Sweetheart Creek. The powerhouse location is approximately 2,000 feet east of the confluence of Sweetheart Creek and Gilbert Bay. The exact location of the powerhouse will be determined through the study process. The powerhouse would be approximately 60 feet wide, 100 feet long, and 35 feet high, and constructed with concrete walls and potentially a metal or metal/concrete roof. Depending on architectural
and engineering considerations, Juneau Hydropower would propose to build the powerhouse into the hillside to minimize disturbances, allow infrastructure to blend in with surroundings, and to mitigate noise emitting from operations. Juneau Hydropower’s goal would be to eliminate scenic and audio disturbance in the area of powerhouse operations. Juneau Hydropower would also consider installing a 20 foot or greater barrier mound, consisting of a rock-layered berm topped with soil and naturally seeded with local plants to blend in with the natural surroundings around the powerhouse and switchyard. The powerhouse would have two Francis turbines, each with a total rated head of roughly 600 feet, a designed flow capacity of 300 to 400 cubic feet per second (cfs), and a capacity of 15 MW each.

**Tailrace.**

Discharge from the turbines would be directed by a short tailrace into Sweetheart Creek, below the barrier falls. The tailrace would be concrete with a possible rock facade to blend with its natural surroundings. The tailrace would also be designed to enhance the naturally-occurring anadromous fish spawning habitat.

**Transmission lines.**

There are two options for the project transmission line segments: Option T-1 would consist of a submarine-overhead combination 138-kV transmission line accessed by a road or by helicopter; and Option T-2 would consist of a primarily submarine line, with a small overhead section. Both transmission options would start at the powerhouse and end at a connection point into an existing 138-kV line running from Snettisham Hydropower facility4 to Juneau.

Option T-1 includes the following transmission line segments: (1) a 0.4–mile-long overhead transmission line from the powerhouse to a new dock on the east shore of Gilbert Bay; (2) a 1.5-mile-long submarine transmission line from the dock to the west shore of Gilbert Bay; (3) a 5.5-mile-long overland transmission line along the west shore of Gilbert Bay, around Sentinel Point, along the south shore of Port Snettisham (bay); (4)

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4 The Snettisham Hydropower project was built by the U.S. Army Corps of Engineers in 1979 and sold to the state of Alaska in 1988. It is now owned by the Alaska Industrial Development and Export Authority. This project does not fall under FERC’s jurisdiction. All power from the project is purchased by Alaska Electric Light and Power for power needs in the Juneau area.
a 1.5-mile-long submarine transmission line across the entrance to the north shore of Port Snettisham (bay) at a location just east of Mist Island; and (5) a connection onshore into the existing 138-kV transmission line.

Option T-2 includes the following transmission line segments: (1) a 0.4–mile-long overhead transmission line from the powerhouse to a new dock on the east shore of Gilbert Bay; (2) an 8.0–mile-long submarine transmission line from the dock along the west side of Gilbert Bay, around Sentinel Point, southwest in the middle of the entrance to the north shore of Port Snettisham (bay) at a location just east of Mist Island; and (3) a connection onshore into the existing 138-kV transmission line.
Figure 4. Juneau Hydropower proposed facilities (Source: Juneau Hydropower, PAD, 2010)
3.1.2 Proposed Project Access

Generating Facilities

Stephens Passage separates the project from the nearest town of Juneau, Alaska which is the State Capital. The only access for either construction or long-term operation and maintenance of the project would be via boat or aircraft. A new approximately 0.6-mile-long road would be constructed from a new dock/landing location on the eastern shore of Gilbert Bay to the powerhouse. Construction access to the powerhouse and lower tunnel would be provided by boat, seaplane and/or helicopter in association with the proposed road from the dock to the powerhouse location. Construction access to the dam site would be through the tunnel, and seaplane and/or helicopter.

Transmission Line

Access to construction sites for transmission facilities near Gilbert Bay would also be via floatplane or boat, and staging would be provided by a floating construction material barge in Gilbert Bay.

3.1.3 Proposed Project Operations

The project would supplement energy generated by Alaska Electric Light and Power’s (AELP) hydroelectric and diesel generation facilities and also possibly serve electrical needs beyond the Alaska Electric Light and Power service district. The Sweetheart Lake Hydroelectric Project could be used to meet base load or peaking load, depending on reservoir management and frequency control. In any case, generation would be optimized by following a rule curve reflecting seasonal inflow, spill capacity and drawdown limitations. Final project and system load configuration would be determined in further feasibility studies. The proposed project would have an installed capacity of 30.0 MW and would have an average annual generation of 136 gigawatt hours.

The project would be designed to primarily operate as an unmanned facility. However, the powerhouse would also incorporate the ability to manually operate the powerhouse. Project operation would be monitored and controlled in conjunction with operating agreements and control systems that would be designed to integrate with AELP.
3.1.4 Proposed Environmental Measures

Juneau Hydropower has identified specific measures to protect and enhance environmental resources of the project area. See section 5.0 of this document for a description of the proposed studies.

Geologic and Soil Resources

- Develop and implement an Erosion and Sediment Control Plan.

Aquatic Resources

- Develop and implement downstream fish passage for salmon smolts stocked by Douglas Island Pink and Chum’s Snettisham hatchery.
- Design the tailrace to potentially expand salmon spawning habitat at Sweetheart Creek
- Develop and implement a Water Management Plan, including scheduled instream flow releases to Sweetheart Creek.
- Develop and implement a Spill Prevention, Control, and Containment Plan

Terrestrial Resources

- Develop and implement a Terrestrial Connectivity Plan for wildlife habitat
- Develop and implement a Vegetation Management Plan that would also include monitoring of invasive plants.
- Preserve as much vegetation as possible and, as necessary, to re-vegetate disturbed areas using a native seed.
- Construct the powerhouse “in-ground” to minimize wildlife habitat impacts, to the extent that it is engineering feasible
• Adopt goshawk/raptor nesting protocols around all goshawk/raptor nests to minimize disturbance of nesting pairs and their young (per Fish and Wildlife)

**Threatened and Endangered Species**

No PM&E measures are proposed for threatened and endangered species at the project. The potential need for PM&E measures will be evaluated during the licensing process.

**Recreation and Land Use**

• Construct or refurbish trails to and around the Sweetheart Creek anadromous reach from rock removed from the tunnel construction for seasonal sport and subsistence fishermen harvesting Sweetheart Lake sockeye.

**Cultural Resources**

Potential cultural resource PM&E measures will be identified and evaluated following determination of project-related effects.

**Aesthetic Resources**

• Develop and implement a Scenery Management Plan

• To the extent that it is feasible, construct the powerhouse “in-ground” to mitigate and minimize aesthetic and sound impacts and/or use reclaimed rock from the tunnel excavation to construct a mound around the powerhouse and tunnel to blend the structures with the surroundings

• Design the tailrace to blend with the existing habitat at Sweetheart Creek

• Construct the powerhouse access road and transmission line from the dock to the powerhouse behind the shore side tree line to minimize aesthetic impacts

• Develop and implement a Hazardous Substances Plan
Socioeconomics

Potential socioeconomic resource PM&E measures will be identified and evaluated following determination of project-related effects.

Additional plans and measures proposed

- Develop and implement a Fire Prevention Plan
- Develop and implement a Safety During Construction Plan that would include wildlife interaction avoidance safety components.

3.2 ALTERNATIVES TO THE PROPOSED ACTION

The EA will consider and analyze all recommendations for operation or facility modifications, as well as for PM&E measures identified by Commission staff, Federal and State resource agencies, Native Alaskan tribes, NGO’s, and the public.

3.3 NO ACTION ALTERNATIVE

Under the no-action alternative, the Commission would deny a license for the proposed Sweetheart Lake Hydroelectric Project. The project would not be built and there would be no change to the existing environment. The no-action alternative is the Commission’s baseline’s environmental conditions for comparison with other alternatives.

4.0 SCOPE OF CUMULATIVE EFFECTS AND SITE-SPECIFIC RESOURCE ISSUES

4.1 CUMULATIVE EFFECTS

According to the Council on Environmental Quality's regulations for implementing NEPA (50 C.F.R. 1508.7), a cumulative effect is the effect on the environment that results from the incremental effect of the action when added to other past, present and reasonably foreseeable future actions, regardless of what agency (Federal or non-Federal) or person undertakes such other actions. Cumulative effects can result from individually minor but collectively significant actions taking place over a period of time, including hydropower and other land and water development activities.
Based on information in the PAD and preliminary staff analysis, we have not identified any resources that would be cumulatively affected by the proposed construction and operation of the project.

4.2 RESOURCE ISSUES

In this section, we present a preliminary list of environmental issues to be addressed in the EA. We have identified these issues, which are listed by resource area, by reviewing the PAD and the Commission’s record for the proposed Sweetheart Lake Hydroelectric Project. This list is not intended to be exhaustive or final, but contains those issues raised to date that could have substantial effects. After the scoping process is complete, we will review the list and determine the appropriate level of analysis needed to address each issue in the EA.

4.2.1 Geologic and Soils Resources

- Effect of project construction and operations on geology and soils resources.
- Effects of project construction and operation on reservoir shoreline erosion and bank stability.
- Effects of project construction and operation on existing mineral claims and mining areas.
- Effects of transmission line construction on geology and soil resources.

4.2.2 Water Quantity and Quality

- Effects of project construction on erosion, sedimentation, and turbidity levels of Lower Sweetheart Lake, Sweetheart Creek, and Gilbert Bay.
- Effects of project operations on changes to water temperature and dissolved oxygen, and dissolved gas levels of Lower Sweetheart Lake and Sweetheart Creek.
• Effects of contamination via accidental releases of fuels, lubricants, and other wastes from construction equipment, machinery and operations on Lower Sweetheart Lake, Sweetheart Creek, and Gilbert Bay water quality.

• Effects of project construction and operation on Sweetheart Creek flows.

4.2.3 Aquatic Resources

• Effects of project construction and operation (e.g., sedimentation, disturbance, modification) on the physical habitat of Lower Sweetheart Lake, Sweetheart Creek and Gilbert Bay.

• Effects of project operation and water level fluctuations on fish species and habitats in Lower Sweetheart Lake.

• Effects of project operation, including alterations to existing flow regime, on fish species and aquatic habitats of Sweetheart Creek.

• Effects, if any, of project operation, including alterations to existing flow regime of Sweetheart Creek, on fish and shellfish species in Gilbert Bay.

• Effects, if any, of submarine transmission line construction on fish and shellfish communities in Gilbert Bay.

• Effects of project construction and operation on marine mammals in Gilbert Bay and Port Snettisham.

4.2.4 Terrestrial Resources

• Effects of habitat loss and alteration from construction of the dam, power tunnel, penstock, powerhouse, switchyard, transmission line, access roads, and appurtenant facilities on wildlife and plant species, with particular emphasis on Forest Service sensitive species and state-listed species.

• Effects of noise, improved access from project access roads, and increased
human presence on wildlife, with particular emphasis on Forest Service sensitive species and state-listed species.

- Effects of project construction and operation on migratory and shore birds in and adjacent to the project area.

- Effects of the new substation and transmission line on the potential for raptor electrocutions and collisions.

- Effects of project construction and operation (lake level fluctuations) on Lower Sweetheart Lake (including at Upper Sweetheart Lake Creek) and Sweetheart Creek shoreline vegetation and/or habitats used by wildlife species.

- Effects of project construction and operation (lake level fluctuations, project roads, and facilities) on distribution and abundance of invasive plant species.

4.2.5 Threatened and Endangered Species

- Effects of project construction and operation on federally listed threatened and endangered species that may occur in the project area.

4.2.6 Recreation Resources and Land Use

- Adequacy of existing recreation facilities and public access within the project boundary to meet current and future (over the term of a new license) recreational demand.

- Effects on recreation resources in the vicinity of the project, including semi-remote recreation opportunities and water-based recreation in Gilbert Bay.

- Feasibility of providing new recreation facilities or improving existing facilities located within the project boundary.

- The effect of construction and operation of a transmission line on recreation resources.
• Evaluate the compatibility of the project with the semi-remote land use designation for this area

• Effects of project operation and maintenance on other land use activities, including hunting and trapping, in the vicinity of the project.

4.2.7 **Aesthetic Resources**

• Effects of project construction, facilities, and operation on the aesthetic values in the vicinity of the project, including Lower Sweetheart Lake, Sweetheart Creek, areas visible from Gilbert Bay, and areas along the transmission line corridor.

• Effects of noise and lighting in the project area resulting from construction and operation of the project.

4.2.8 **Cultural Resources**

• Effects of project construction and operation on the project’s area of potential effects (APE).

• Effects of project construction and operation on historic and archeological resources that are listed or considered eligible for inclusion in the National Register of Historic Places.

• Effects of project construction and operation on properties of traditional religious and cultural importance to Native Alaskan tribes.

• Effects of project construction and operation on subsistence resources (hunting, fishing, and gathering) and associated areas.

4.2.9 **Socioeconomics**
4.2.10 Developmental Resources

- Effects of any recommended environmental measures on project generation and economics.

- Effects of project construction, operation, and maintenance on the project’s economics.

5.0 POTENTIAL STUDIES

Depending upon the findings of studies completed by Juneau Hydropower and the recommendations of the consulted entities, Juneau Hydropower will consider, and may propose other measures to enhance environmental resources affected by the project as part of the proposed action. Juneau Hydropower’s proposed studies are summarized in the following table:

Table 2. Juneau Hydropower’s Potential Studies. (Source: Juneau Hydropower PAD and Initial Agency Meeting 2010 and Agency comments)

<table>
<thead>
<tr>
<th>Resource Area and Issue</th>
<th>Summary of General Proposed Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geologic and Soil Resources</td>
<td>Conduct a query with the U.S. Bureau of Land Management for any mineral claims prior to building any structures or otherwise blocking access to potentially valuable deposits. Contact any active mining claim owners that exist near the Project area boarders.</td>
</tr>
</tbody>
</table>
Conduct historical area mining research records, government research and studies to locate and assess suitability of rock for tunneling, in ground powerhouse, infrastructure development, safety issues associated with rock formation as well as locating rock that is suited for material usage.

Examine non-invasive suitability of rock is safe and of sufficient grade for use in development, infrastructure and construction. Examine bedrock, soils, slope material for construction feasibility. Examine uses of and disposition of rock from tunnel and infrastructure.

Examine effects of land clearing and ground-disturbing activities during access to, use of, and restoration of project construction sites (including borrow areas, disposal sites, laydown areas, dock access road, transmission line, etc.) on erosion, sedimentation, and shoreline slope stability

<table>
<thead>
<tr>
<th><strong>Water Quality and Quantity</strong></th>
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<tbody>
<tr>
<td><strong>Water quantity study</strong></td>
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<td></td>
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<tr>
<td><strong>Water quality study</strong></td>
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<td></td>
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<tr>
<td>Aquatic Resources</td>
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<tr>
<td>-----------------------------------</td>
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<tr>
<td><strong>Aquatic resource studies</strong></td>
</tr>
<tr>
<td>Conduct baseline surveys of fish species, their habitats and general life histories in potentially-affected Lower Sweetheart Lake. Additionally, study plans will include assessing seasonal water fluctuations, access to inlet streams, analyze inundation areas. Study plans for these surveys will be developed in consultation with Alaska state and federal resource agencies, including Alaska Department of Fish and Game (ADFG), Alaska Department of Environmental Conservation (ADEC), U.S. Forest Service (USFS), National Marine Fisheries Service (NMFS), and U.S. Fish and Wildlife Service (USFWS).</td>
</tr>
<tr>
<td><strong>Lower Sweetheart Lake</strong></td>
</tr>
<tr>
<td>Analyze effects of raising water levels and fluctuations of Lower Sweetheart Lake under proposed operations. Evaluate potential for fish entrainment and impingement at intake. Document populations; identify resident species spawn habitat; identify and quantify littoral zone inundation with increased reservoir; evaluate design of downstream passage facility for sockeye smolt.</td>
</tr>
<tr>
<td><strong>Sweetheart Creek</strong></td>
</tr>
<tr>
<td>Fisheries studies may include, but not be limited to creek observations for summer and fall anadromous and determination of resident fish surveys to estimate population, distribution, and spawning area utilization and timing. Examine water flow requirements for salmon spawning and relationships between stream flows, stream temperatures and life cycle habitat; inventory and map existing stream habitat;</td>
</tr>
<tr>
<td><strong>Marine Areas</strong></td>
</tr>
<tr>
<td>Studies in these areas will attempt to estimate the marine invertebrate and botanical resources in areas potentially-affected by the project’s submarine transmission line and possible changes to fresh water discharge and affects into Gilbert Bay.</td>
</tr>
<tr>
<td><strong>Smolt Line Outmigration passage</strong></td>
</tr>
<tr>
<td>Evaluate proven Alaskan designs for downstream passage facilities for salmon smolt and analyze adoption of these systems to Sweetheart Creek put and take salmon fishery.</td>
</tr>
</tbody>
</table>
### Terrestrial Resources

| Wildlife Study and Surveys | Conduct wildlife surveys. Wildlife-related study plans will be developed with input from Alaska state and federal resource agencies, including Forest Service, Alaska Fish and Game, US Fish and Wildlife Service, Non governmental organizations, and Native Alaskan tribes. Wildlife issues include but are not limited to: 1) assemble existing information on distribution, abundance, seasonal habitat and movement patterns of wildlife in project area; 2) conduct aerial and ground surveys to determine feasibility of conducting baseline surveys; 3) general visual observations of birds, bird calling and other forms of documentation; 4) Bald Eagle/Goshawk nest site survey in and around project infrastructure locations; 5) quantify existing habitats in project area; 6) evaluate effects of infrastructure on wildlife, access to wildlife, distribution and patterns of wildlife; and 7) evaluate effects on migratory and shore birds. |
| Botanical study | Conduct Botanical Study. Botanical study consists of baseline surveys for potentially-affected botanical resources, according to study plans approved by the Forest Service, Alaska Fish and Game and perhaps other agencies. Typically, baseline plan surveys include: 1) aerial inventories of vegetative type, primarily from existing imagery; 2) foot surveys, to ground-truth the aerial inventories; 3) a preliminary jurisdictional determination, to determine location, type, function and extent of wetlands, uplands, and water of the US in the project area; and 4) prior to construction, the Juneau Hydropower will conduct sensitive plant surveys according to Forest Service prescriptions in potentially-affected areas delineated in the project final design. |
### Threatened and Endangered Species

| No studies proposed. |

### Recreation Resources and Land Use

| Recreational use survey and analysis | Juneau Hydropower will use information obtained from guides and outfitters in its socioeconomic survey to obtain areas of concern for recreational users of Gilbert Bay and Sweetheart Creek and impacts on boat anchorage, impact on dispersed recreation and impacts on icing in Gilbert Bay. |

### Aesthetic Resources

| Aesthetic resource study | Juneau Hydropower will research existing aesthetic resource information including existing US Forest Service plans to distinguish aesthetic impacts in the various potentially-affected areas. Viewshed analysis may be required to evaluate infrastructure improvements and their effects from Port Snettisham and Gilbert Bay. All constructed project features will be evaluated relative to US Forest Service and other stakeholder prescriptions for maintenance of aesthetic values from various viewing points to include soundscape and illumination. |
| Examine noise effects during construction and operation. |
| Examine effects of installation and maintenance of salmon outmigration system on scenery and aesthetic values. |
### Cultural Resources

| Cultural resource study | Juneau Hydropower intends to inventory cultural resources in an Area of Potential Effects (APE) to document the existence of cultural resources within areas which might be affected by project-related construction, road building or other ground disturbance. These surveys will be in two stages: Stage 1 will be less-intensive reconnaissance surveys designed to define the direct and indirect impact area of the project and the potential of the areas for containing sites. Stage 2 surveys will be conducted in those areas identified in the Stage 1 surveys as having a reasonable likelihood of containing sites. The scope of all surveys work will be determined in consultation with the Alaska State Historic Preservation Office, the US Forest Service, Native Alaskan Tribes, and other stakeholders. |

### Socioeconomic

| Explore impacts of personal and commercial opportunities on fish and wildlife harvested. |
| JHI intends to interview and survey guides and outfitters that take clients to Project area to register concerns, impacts and areas of potential mitigation. |

## 6.0 INFORMATION REQUESTED

We are asking federal, state, and local resource agencies, Native Alaskan tribes, NGOs, and the public to forward to the Commission any information that will assist us in conducting an accurate and thorough analysis of the project-specific and cumulative effects associated with the proposed Sweetheart Lake Hydroelectric Project. The types of information requested include, but are not limited to:

- information, quantitative data, or professional opinions that may help define the geographic and temporal scope of the analysis (both site-specific and cumulative effects), and that helps identify significant environmental issues;

- identification of, and information from, any other EA, EIS, or similar environmental study (previous, on-going, or planned) relevant to the proposed project;
• existing information and any data that would help to describe the past and present actions and effects of the project and other developmental activities on environmental and socioeconomic resources;

• information that would help characterize the existing environmental conditions and habitats;

• the identification of any federal, state, or local resource plans, and any future project proposals in the affected resource area (e.g., proposals to construct or operate water treatment facilities, recreation areas, water diversions, timber harvest activities, or fish management programs), along with any implementation schedules;

• documentation that the proposed project would or would not contribute to cumulative adverse or beneficial effects on any resources. Documentation can include, but need not be limited to, how the project would interact with other projects in the area and other developmental activities; study results; resource management policies; and reports from federal and state agencies, local agencies, Native Alaskan tribes, NGOs, and the public; and

• documentation showing why any resources should be excluded from further study or consideration.

The requested information, additional information, and comments on the SD1 should be submitted in writing to the Commission no later than October 7, 2011. All documents should clearly identify “Sweetheart Lake Hydroelectric Project No. 13563-001” on the first page. File all documents with:

Duff W. Mitchell, Business Manager
Juneau Hydropower Inc.
PO Box 22775
Juneau, AK 99802

Please also file this information with the Commission:

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
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. Scoping comments may be filed electronically via the Internet in lieu of paper. See 18 CFR 385.2001(a)(1)(iii) and the instructions on the Commission’s web site (http://www.ferc.gov/docs-filing/ferconline.asp) 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. The Commission strongly encourages electronic filings.

Register online at http://www.ferc.gov/docs-filing/esubscription.asp to be notified via email of new filings and issuances related to this or other pending projects. For assistance, please contact FERC Online Support.

In addition, there is a “Quick Comment” option available, which is an easy method for interested persons to submit text only comments on a project. The Quick-Comment User Guide can be viewed at http://www.ferc.gov/docs-filing/efiling/quick-comment-guide.pdf. Quick Comment does not require a FERC eRegistration account; however, you will be asked to provide a valid email address. All comments submitted under either eFiling or the Quick Comment option are placed in the public record for the specified docket.

Any questions concerning the scoping meetings or how to file information, or comments with the Commission should be directed to Jennifer Harper at (202) 502-6136 or Jennifer.Harper@ferc.gov

Additional information about the Commission’s licensing process and the Sweetheart Lake Hydroelectric Project may be obtained from the Commission’s website www.ferc.gov.

Any questions concerning scoping or preparation of the PAD for this proposed action should be directed to: Duff Mitchell (907) 789-2775 or duff.mitchell@juneauhydro.com
### 7.0 EA PREPARATION SCHEDULE

At this time, we anticipate the need to prepare a draft and final EA. The draft EA will be sent to all persons and entities on the Commission’s service and mailing lists for the Sweetheart Lake Hydroelectric Lake Project. The EA will include our recommendations for operating procedures, as well as environmental protection and enhancement measures that should be part of any license issued by the Commission. All recipients will then have 30 days to review the EA and file written comments with the Commission. All comments on the draft EA filed with the Commission will be considered in preparation of the final EA.

The major milestones, including those for preparing the EA, are as follows:

<table>
<thead>
<tr>
<th>Major Milestone: Pre Filing</th>
<th>Target Date</th>
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</thead>
<tbody>
<tr>
<td>Scoping Meetings</td>
<td>August, 2011/ Winter, 2011/2012</td>
</tr>
<tr>
<td>Site Visit</td>
<td>August, 2011</td>
</tr>
<tr>
<td>Field Studies</td>
<td>March, 2011 thru October, 2012</td>
</tr>
<tr>
<td>License Application Filed</td>
<td>November 30, 2012</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Major Milestone: Post filing</th>
<th>Target Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>FERC Issues ready for Environmental Analysis Notice</td>
<td>February, 2013</td>
</tr>
<tr>
<td>Deadline for Filing Comments, Recommendations and</td>
<td></td>
</tr>
<tr>
<td>Agency Terms and Conditions/Prescriptions</td>
<td>April, 2013</td>
</tr>
<tr>
<td>FERC Issues Draft EA</td>
<td>July, 2013</td>
</tr>
<tr>
<td>Deadline for Filing Preliminary Agency Recommendations</td>
<td>August, 2013</td>
</tr>
<tr>
<td>Final EA Issued</td>
<td>November, 2013</td>
</tr>
</tbody>
</table>

If Commission staff determines that there is a need for additional information or additional studies, the issuance of the Ready for Environmental Analysis notice could be delayed. If this occurs, all subsequent milestones would be delayed by the time allowed for Juneau Hydropower to respond to the Commission’s request.
8.0 PROPOSED EA OUTLINE

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

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      1.2.2 Need for Power
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         1.3.1.2 Section 4(e) Conditions
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      1.3.2 Clean Water Act
      1.3.3 Endangered Species Act
      1.3.4 Coastal Zone Management Act
      1.3.5 National Historic Preservation Act
      1.3.6 Magnuson-Stevens Fishery Conservation and Management Act
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5.0 CONCLUSIONS AND RECOMMENDATIONS
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5.2 Comprehensive Development and Recommended Alternative
5.3 Unavoidable Adverse Effects
5.4 Recommendations of Fish and Wildlife Agencies
5.5 Consistency with Comprehensive Plans

6.0 FINDING OF NO SIGNIFICANT IMPACT (OR OF SIGNIFICANT IMPACT)

7.0 LITERATURE CITED

8.0 LIST OF PREPARERS

APPENDICES
9.0 APPLICABLE COMPREHENSIVE PLANS

Section 10(a)(2)(A) of the Federal Power Act (FPA), 16 U.S.C. section 803 (a)(2)(A), requires the Commission to consider the extent to which a project is consistent with Federal or state comprehensive plans for improving, developing, or conserving a waterway or waterways affected by the project.

On April 27, 1988, the Commission issued Order No. 481-A, revising Order 481, issued October 26, 1987, establishing that the Commission will accord FPA section 10(a)(2)(A) comprehensive plan status of any Federal or state plan that: (1) is a comprehensive study of one or more of the beneficial uses of a waterway or waterways; (2) specifies the standards, the data, and the methodology used; and (3) is filed with the Office of the Secretary of the Commission.

Juneau Hydropower has reviewed the List of Comprehensive Plans issued August 2009 and notes that the following plans may be affected by the proposed Sweetheart Lake Hydroelectric Lake Project.

The following state and federal management plans were identified as potentially relevant to the Sweetheart Lake Hydroelectric Project development. During subsequent licensing stages, further investigations into relevant plans will be conducted. Agencies are requested to review this list and inform the Commission staff of any changes. If there are other comprehensive plans that should be considered for this list that are not on file with the Commission, or if there are more recent versions of the plans already listed, they can be filed for consideration with the Commission according to 18 C.F.R. 2.19 of the Commission’s regulations. Please follow the instructions for filing a plan at http://www.ferc.gov/industries/hydropower/gen-info/licensing/complan.pdf.

1. Juneau Coastal Management Plan. City and Borough of Juneau, Alaska Department of Natural Resources. 2006;


4. Alaska Department of Fish and Game. 2008. Atlas to the catalog of waters important for spawning, rearing or migration of anadromous fishes. Alaska

10.0 FERC OFFICIAL MAILING LIST

If you want to receive future mailings for this project and you did not receive notice of these meetings from the Commission, please send your request by mail to: Kimberly D. Bose, Secretary, Federal Energy Regulatory Commission, 888 First Street, NE, Room 1A, Washington, DC 20426. All written requests to be added to the Commission’s mailing list must clearly identify the following on the first page: “Sweetheart Lake Hydroelectric Project No. 13563”. You may use the same method to remove your name from the Commission’s mailing list for this project.

Also, please notify Juneau Hydropower Inc. if you would like to be placed on their Distribution List for this project at duff.mitchell@juneauhydro.com. Copies of a request to be placed on the Distribution List will be on the table at both public meetings on September 7, 2011.

Register online at http://www.ferc.gov/esubscribenow.htm to be notified via email of new filings and issuances related to this or other pending projects. For assistance, please contact FERC Online Support at FERCOntlineSupport@ferc.gov or toll free (806) 208-3676, or for TTY, (202) 502-8659.