SCOPING DOCUMENT 1

WEBER HYDROELECTRIC PROJECT



UTAH

FERC PROJECT NO. 1744

PacifiCorp Hydro Resources 1407 West North Temple, Room 110 Salt Lake City, UT 84116

September 2015

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APPENDIX A—STUDY PLAN CRITERIA

APPENDIX B-DETAILED PROCESS PLAN AND SCHEDULE

LIST OF ACRONYMS

ALP	Alternative Licensing Process
APEA	Applicant-Prepared Environmental Assessment
BCT	Bonneville cutthroat trout
cfs	Cubic feet per second
CRMP	Cultural Resource Management Plan
EA	Environmental Assessment
EIS	Environmental Impact Statement
FERC	Federal Energy Regulatory Commission
FPA	Federal Power Act
kV	Kilovolt
kW	Kilowatt
MDT	Mountain Daylight Time
msl	Mean Sea Level
MW	Megawatt
MWh	Megawatt-hour
NEPA	National Environmental Policy Act
NGO	Non-Governmental Organization
NOI	Notice of Intent
PAD	Pre-Application Document
PLC	Programmable logic controller
PM&E	Protection, Mitigation & Enhancement Measures
rpm	Rotations per minute
SD1, SD2	Scoping Document 1 & 2
SHPO	State Historic Preservation Office
ULT	Ute ladies'-tresses orchid
USFS	United States Forest Service

SCOPING DOCUMENT 1

Weber Hydroelectric Project, FERC No. 1744

1.0 INTRODUCTION

The Federal Energy Regulatory Commission (Commission or FERC), under the authority of the Federal Power Act (FPA),¹ may issue licenses for terms ranging from 30 to 50 years for the construction, operation, and maintenance of non-federal hydroelectric projects. On May 31, 2015, PacifiCorp filed a Pre-Application Document (PAD) and Notice of Intent (NOI) to seek a new license for the Weber Hydroelectric Project (Weber Project) (FERC Project No. 1744).² PacifiCorp also submitted a request to the Commission to use the Alternative License Process (ALP) on May 31, 2015. The Commission approved the use of the ALP on August 13, 2015.

The project is located on the Weber River in Weber, Morgan and Davis counties, Utah, approximately 9 miles southeast of the town of Ogden, Utah. The current license will expire on May 31, 2020. The Project has a generation capacity of 3.85 megawatts (MW) and is located partially on federal lands managed by the Wasatch-Cache National Forest, and partially on lands owned by the Union Pacific Railroad Company (figure 1).

The Project was initially constructed in 1910 by Utah Light and Railway Company and later acquired by Utah Power & Light in 1944. The original license was made effective January 1, 1938 and expired June 30, 1970. Subsequently a FERC operating license was issued annually for a period from June 30, 1970 to June 28, 1990, due to a dispute with a nearby municipality that wanted to acquire the Weber Project. After a follow-up relicensing process with the FERC, the current license was issued on June 28, 1990. It expires on May 31, 2020.

The Weber Project is operated in run-of-river mode with a total plant capability of 3.85 MW from its turbine. The average annual generation of the Weber Project is 16,932 megawatt-hours (MWh). A summary of the project is provided below; a more detailed description of the project is provided in section 3.0.

The existing project consists of: 1) the Weber diversion dam with an overall length of 114 feet and crest elevation of 4,798 feet mean sea level (msl), consisting of a 27-foot-high, 79-foot-long concrete section, two radial gates approximately 29 feet long, and a

¹ 16 U.S.C. § 791(a)-825(r).

² The current license for the Weber Project was issued with an effective date of June 1, 1990, for a term of 30 years, and expires on May 31, 2020.

35-foot-long intake structure on the Weber River; 2) a 3-foot by 18-foot non-operative fish passage structure that is used to pass minimum flows through a calibrated slide gate opening; 3) an impoundment with surface area of 8.4 acres at elevation 4,798 msl and total storage of approximately 42 acre-feet; 4) a 9,107-foot-long, 5-foot to 6.3-foot diameter steel penstock partially encased in concrete beginning at the intake and terminating at the powerhouse on the Weber River; 5) a powerhouse with one 3,850 kilowatt (kW) generating unit operating under a head of 185 feet and producing a 30-year average annual energy output of 16,932 MWh; 6) a discharging pipe returning turbine flows into the Weber River at the powerhouse; and 7) a 77-foot-long, 46-kilovolt (kV) transmission line which connects to the Weber substation.

The National Environmental Policy Act (NEPA) of 1969,³ the Commission's regulations, and other applicable laws require that FERC independently evaluate the environmental effects of relicensing the Weber Project as proposed, and also consider reasonable alternatives to PacifiCorp's proposed action. Under the ALP, PacifiCorp will prepare an Applicant-Prepared Environmental Assessment (APEA), in lieu of an Exhibit E to the Draft License Application. FERC will use PacifiCorp's APEA in preparing its own environmental assessment (EA), but FERC's subsequent analysis will be separate and independent. At this time, FERC intends to prepare an EA that describes and evaluates the probable effects, including an assessment of the site-specific and cumulative effects, if any, 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 the current intent is to prepare a draft and final EA, there is a possibility that an environmental impact statement (EIS) will be required. This cooperative scoping process will satisfy the NEPA scoping requirements, irrespective of whether the Commission issues an EA or an EIS.

1.1 WEBER RELICENSING PROCESS TO DATE

Prior to beginning the formal relicensing process for the Weber Hydroelectric Project, PacifiCorp analyzed the three FERC licensing processes available (Integrated, Alternative, and Traditional), and determined preliminarily to tentatively explore the ALP. As a result, and in accordance with the ALP, beginning approximately six months prior to the deadline for submission of the PAD and NOI for Weber Relicensing, the following activities took place:

³National Environmental Policy Act of 1969, 42 U.S.C. §§ 4321-4370(f) (2006).



Figure 1. Location of the Weber Project.

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- During these initial meetings, stakeholders were briefed on the Weber Hydroelectric Project and the various FERC licensing processes. The PAD process and a preliminary timeline for ALP projects were reviewed and discussed. Potential issues were identified and the group was consulted on the need for preliminary studies. A timetable for the PAD was developed and a communication protocol was drafted for the group.
- A Preliminary Draft PAD was prepared by PacifiCorp in conjunction with the interest group during April 2015. This Preliminary Draft PAD was distributed to interest group members on April 17, 2015. Members had 30 days to review the Preliminary Draft PAD and provide comments.
- PacifiCorp incorporated and responded to comments on the PAD from interested parties in May 2015.

Since PacifiCorp made the decision to request the use of the ALP for Weber relicensing, the following activities have taken place:

- The PAD, NOI, and a request to use the ALP was submitted to FERC on May 29, 2015 and noticed in the Ogden Standard Examiner May 29-31, 2015 and again on July 10-12, 2015.
- PacifiCorp proceeded with development of preliminary study plans for threatened, endangered and sensitive (TES) terrestrial species and cultural resources during June and July, 2015. A preliminary environmental field review of the Project Area was held with interest group members on July 2, 2015 and the Terrestrial TES Species Study Plan was distributed to the interest group for review and comment on July 13, 2015. The Cultural Resources Study Plan was distributed July 16, 2015. Both preliminary study plans were finalized in August 2015, as work began on preliminary study plans for Fisheries, Recreation and Water Quality.
- Work was completed for the preliminary Terrestrial TES and Cultural Resource study plans in August 2015 (interim draft reports will be sent for these two plans to Weber license stakeholders by late October 2015).
- FERC authorized use of the ALP in an August 13, 2015 letter to PacifiCorp.
- PacifiCorp and FERC are collaborating on the scoping process for the Weber Relicensing Project, including meetings with stakeholders and interested parties, planned for early October of 2015 (also see below section 2.2, this document).

1.2 PROCESS PLAN AND SCHEDULE

The schedule shown in Table 1 demonstrates completed and prospective actions leading to a final license application to the Commission for the relicensing of the Weber Hydroelectric Project.

Activity	Schedule
Form Working Group of Stakeholders to include State	
and Federal Agencies, Citizen Groups, and Indian	
Tribes; Prepare Communications Protocol; Consensus	
on Process	Ongoing
Initial Interest Group Meetings	March 5, 2015 & April 28, 2015
File NOI/PAD, Request to use the ALP with FERC,	
Notice in the Local Newspaper(s)	May 29, 2015
FERC Approves Use of Alternative Process	August 13, 15
Scoping Document 1 issued	September 2, 2015
Hold NEPA Scoping and Joint Agency Meeting	October 6 & 7, 2015
Every 6 months file with the Commission a report	
summarizing the progress made in the ALP	Ongoing
Negotiate Study Plans	October-November 2015
Conduct Studies	2016
Analysis of Completed Studies	February 2017
Prepare Phase II Study Plans & Conduct Additional	Spring/
Studies if Needed	Summer 2017
Prepare Applicant Prepared Environmental Assessment	
and Draft License Application, and Provide to	
Stakeholders	November 2017
Provide PacifiCorp with Comments on the Applicant	
Prepared Environmental Assessment and Draft License	
Application	February 2018
Prepare Final Application and Final Applicant	
Prepared Environmental Assessment	February-April 2018
File Final Application and Final Applicant Prepared	
Environmental Assessment and Provide Copies of	
Final Application and NEPA Documents to	
Stakeholders. Issue Public Notice of Filing	May 2018
Issue Draft and Final FERC EA	2019
Current FERC License Expires	May 31, 2020

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All documents, submissions, and meeting notes from these early licensing activities are available on PacifiCorp's Weber Hydroelectric Project website at: <u>http://www.pacificorp.com/es/hydro/hl/weber.html#</u>. Copies of the PAD and SD1 are also available for public review and reproduction at PacifiCorp offices, 1407 West North Temple, Suite 110 (Hydro Resources), Salt Lake City, UT.

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

Eve Davies Licensing Project Manager, Hydro Resources 1407 West North Temple, Room 110 Salt Lake City, UT 84116 801-220-2245

2.0 SCOPING

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. This document contains: (1) a description of the scoping process and schedule for the development of the EA; (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 that are 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. In general, scoping should be conducted during the early planning stages of a 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, Indian 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

During preparation of the APEA and FERC's EA, there will be several opportunities for the resource agencies, Indian tribes, NGOs, and the public to provide input. These opportunities occur:

- during the public scoping process and study plan meetings, when oral and written comments are solicited regarding the scope of issues and analysis for the APEA;
- in response to the Commission's notice that the project is ready for environmental analysis; and
- after issuance of FERC's draft EA, when the Commission solicits written comments on the EA.

In addition to written comments solicited by this SD1, two public scoping meetings and a site visit in the vicinity of the project will be held by PacifiCorp in collaboration with FERC staff. A daytime meeting will focus on concerns of the resource agencies, NGOs, and Indian tribes; and an evening meeting will focus on receiving input from the public. All interested agencies, Indian tribes, NGOs, and individuals are encouraged to attend one or both of the meetings to assist us in identifying the scope of environmental issues that should be analyzed in the APEA/EA. All interested parties are also invited to participate in the site visit. The times and locations are as follows:

Daytime Scoping Meeting

Date and Time:	Tuesday, October 6, 2015, 1:00 p.m. (MDT)
Location:	Ben Lomond Suites 2510 Washington Blvd, Ogden, UT 84401
Phone Number:	(801) 627-1900

Evening Scoping Meeting

Date and Time:	Tuesday, October 6, 2015, 7:00 p.m. (MDT)
Location:	Ben Lomond Suites 2510 Washington Blvd, Ogden, UT 84401
Phone Number:	(801) 627-1900

Site Visit

Date and Time:	Wednesday, October 7, 2015, 9:00 a.m. (MDT)
Location:	Weber Hydroelectric Project Recreation Site, Weber Canyon, UT

Directions: From Ogden, Utah, head south on Interstate 15. Take Interstate 84 East towards Cheyenne. Continue east on Interstate 84 (10 miles) to the Rest Area exit (approximately 1 mile before the Mtn Green/Huntsville Exit 92). At the bottom of the exit ramp, turn right/west onto the Weber Hydroelectric Project access road. The tour will start at the Weber recreation site parking lot.

Please notify Miriam Hugentobler at <u>miriam.hugentobler@gmail.com</u> by September 21, 2015 if you plan to attend the site visit.

The scoping meetings will be 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 <u>www.ferc.gov/EventCalendar/EventsList.aspx</u>, along with other related information.

Meeting participants should come prepared to discuss their issues and/or concerns as they pertain to the relicensing of the Weber Project. It is advised that participants review the PAD in preparation for the scoping meetings. Copies of the PAD are available for review at the Commission's Public Reference Room or on the Commission's website (<u>www.ferc.gov</u>), using the "eLibrary" link. Enter the docket number, P-1744, to access the documents. For assistance, contact FERC Online Support at <u>FERCONlineSupport@ferc.gov</u> or toll free at 1-866-208-3676, or for TTY, (202) 502-8659. A copy of the PAD is also available for inspection and reproduction at the following address: PacifiCorp, 1407 West North Temple, Suite 110 (Hydro Resources), Salt Lake City, UT.

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 indicates 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 APEA⁴.

⁴ PacifiCorp prepares the APEA in lieu of an Exhibit E of the draft license application. FERC will use PacifiCorp's APEA in preparing its own EA, but FERC's analysis is separate and independent.

If no substantive comments are received on the SD1, then PacifiCorp will not prepare a Scoping Document 2 (SD2). Otherwise, SD2 will be issued to address any substantive comments received. The issued SD2 will be for informational purposes only; no response will be required. The EA will address recommendations and input received during the scoping process.

3.0 PROPOSED ACTION AND ALTERNATIVES

In accordance with NEPA, the EA 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 NO ACTION ALTERNATIVE

Under the no-action alternative, the Weber 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. FERC uses this alternative to establish baseline environmental conditions for comparison with other alternatives.

3.1.1 Existing Project Facilities

The project is located on the Weber River in Weber, Morgan and Davis counties in Utah. The current license will expire on May 31, 2020. The Project has a generation capacity of 3.85 MW and is located partially on federal lands managed by the Wasatch-Cache National Forest, and partially on lands owned by the Union Pacific Railroad Company (figures 2-4). The existing Project consists of:

- a 27-foot-high, 79-foot-long concrete diversion dam, having two radial gates approximately 29 feet wide, and a 35-foot-wide intake structure, for a total width of 114 feet, on the Weber River;
- a 9,107-foot-long, 5-foot to 6.3-foot diameter steel pipeline partially encased in concrete beginning at the intake and terminating at the powerhouse on the Weber River;
- a 3-foot by 18-foot non-operative fish passage structure (used however to pass the minimum flow through the calibrated slide gate opening);
- a powerhouse containing a generating unit with a rated capacity of 3,850 kW operating under a head of 185 feet producing a 30-year average annual energy output of 16,932 MWh;
- a discharging pipe returning turbine flows into the Weber River at the powerhouse; and,
- a 77-foot-long, 46-kV transmission line which connects to the Weber substation.









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Figure 3. Project Facilities for the Weber Hydroelectric Project, Map 2 of 3 (Source: PAD).

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Figure 4. Project Facilities for the Weber Hydroelectric Project, Map 3 of 3 (Source: PAD)

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The normal maximum water surface area and normal maximum water surface elevation (mean sea level), and gross storage capacity of the Project impoundment (forebay) is:

Area – 8.4 acres maximum Elevation – 4,797.8 feet (dam crest) Storage – Approximately 42 acre-feet

The number, type, and minimum and maximum hydraulic capacity and installed (rated) capacity of the turbines or generators include:

Generator: One 5,000-horsepower horizontal double-reaction turbine; a synchronous generator rated at 1.0 power factor, 360 rpm, three-phase, 60 cycles, and 2,300 volts.

Minimum Hydraulic Capacity: The turbine can be operated to 0 kW/0 cubic feet per second (cfs) with either standard (automated mode) or manual operation.

Transmission: A 77-foot-long, 46-kV transmission line connects the powerhouse to the Weber substation and is the only transmission line included in the Project. Figure 5 is a single-line diagram showing the transfer of electricity from the Project to the transmission grid.

The estimated dependable capacity is 1,420 MWh. The average annual generation is 16,932 MWh. The average monthly generation is 1,411 MWh.

During the current license term, PacifiCorp made the following capital improvements to the Project dam structure and access:

- 1992 Weber Recreation Site improvements (mandated by the current license)
- 1993 North radial gate automated (south gate was previously automated)
- 1996 Automatic leak detect system installed
- 2014-2015 Tunnel penstock recoating and support structure improvement

The following routine (non-license related) Project improvements to ensure reliable and safe operation are anticipated in the next license period (all items and their dates are subject to modification and/or update):

- 2021 Butterfly valve section penstock replacement
- 2021 Turbine overhaul and bearings replacement
- 2022 Penstock support structure upgrade
- 2022 Pipeline river crossing recoat



Figure 5. Weber Hydro Plan Schematic One Line Drawing.

3.1.2 Existing Project Operations

The current operating license was issued by the Commission in 1990 with a 30-year license term, expiring May 31, 2020. The Weber Hydroelectric Project is operated as a run-of-the river project. The current license does not specify any daily/seasonal ramping rates, flushing flows, reservoir operations, or flood control operations. Prior to 1993, the Project was manually operated locally. Following the installation of an automated control system in 1993, the Weber plant is now designed for unmanned semi-automatic operation and is controlled by a programmable logic controller (PLC). The normal mode of operation is for the plant to be unattended. Two local operators are located nearby in Ogden, Utah, and visit the Project on a daily basis and as called out by PacifiCorp's Hydro Control Center located in Ariel, Washington. The Hydro Control Center monitors the Project operations remotely and notifies the local operator when an issue arises. In addition to standard local generator protection equipment and alarms, the penstock pressure, generator load, forebay level, and circuit breaker at the Weber plant are monitored by a hydro control operator at the Hydro Control Center. The Weber flowline can divert up to approximately 365 cfs at the project dam; the bypassed reach is approximately 1.7 miles long.

Downstream of Weber diversion dam, the current license mandates a continuous minimum stream flow of 34 cfs or inflow, whichever is less, from October 1-March 31 annually; and, a continuous minimum flow of 34-50 cfs (range dependent on the annual runoff forecast), or inflow, whichever is less, from April 1-September 30 annually.

Annual maintenance is routinely conducted each year and involves vegetation management (including landscaping areas) on Project lands, recreation area maintenance and management (including seasonal portable restroom facilities), limited road maintenance activities, as-needed maintenance on the water conveyance system and generating unit, and non-routine forebay dredging as discussed in Section 2.4.3 of the PAD. The timing and scope of annual maintenance activities are coordinated with the Wasatch-Cache National Forest as provided in the Special-Use Permit issued for the Project by the U.S. Forest Service (USFS).

3.2 APPLICANT'S PROPOSAL

The proposed action is to continue to operate and maintain the Weber Project on the Weber River, and implement certain environmental protection, mitigation, and enhancement (PM&E) measures. PacifiCorp proposes no new hydroelectric developments or changes to project operation at this point in the licensing process. The current license for the project expires on May 31, 2020.

3.2.1 Proposed Project Facilities and Operations

No new or upgraded hydroelectric facilities, structural changes, or operational changes to the Weber Project during the term of the new license are proposed at this time.

3.2.2 Proposed Environmental Measures

PacifiCorp identified measures to protect and enhance environmental resources of the Project Area. PacifiCorp proposes to continue operating the Weber Project with the environmental PM&E measures described in the following section.

3.2.2.1 Geologic and Soil Resources

There are no existing or proposed PM&E measures related to geology and soils for the Weber Project. The potential need for PM&E measures will be evaluated during the relicensing process.

3.2.2.2 Water Resources

3.2.2.2.1 Hydrology

There are no existing or proposed PM&E measures related to hydrology for the Weber Project. The potential need for PM&E measures will be evaluated during the relicensing process.

3.2.2.2.2 Water Rights

There are no existing or proposed PM&E measures related to water rights for the Weber Project. The potential need for PM&E measures will be evaluated during the relicensing process.

3.2.2.2.3 Water Quality

Existing Measures: There are no existing PM&Es beyond adherence to state regulations for water quality.

Proposed Measures: PacifiCorp's proposed PM&E measures for water quality include collecting a year of continuous water quality monitoring data for several parameters. The proposed measures are detailed in the preliminary water quality study plan (PacifiCorp 2015).

3.2.2.3 Fisheries and Aquatic Resources

3.2.2.3.1 General Fisheries

All aquatic species (including the sensitive species Bonneville cutthroat trout [BCT] and bluehead sucker) benefit from the noted existing and potential PM&E measures.

Existing Measures: PacifiCorp has implemented the following required PM&Es and voluntary measures for fisheries and aquatic resources during the current license term:

- Required minimum stream flow for the bypassed reach of the river affected by the Weber Project (see Section 3.1.2).
- Voluntary operational measures to reduce impacts to aquatic resources, such as minimizing sedimentation during forebay elevation changes, and not flushing the project forebay.

Potential Measures: In addition to the existing measures, PacifiCorp has identified a potential PM&E measure for consideration during the relicensing process. The potential PM&E measure for fisheries and aquatic resources is the construction and operation of a fish ladder suitable for the upstream passage of both BCT and bluehead sucker, both species of concern found in the bypassed reach of the Weber River.

3.2.2.3.2 Rare Threatened and Endangered Aquatic Species

There are no known federally listed threatened, endangered, or candidate aquatic species in the Weber River. However, the USFS lists the BCT as a sensitive species on the Wasatch National Forest (see above for existing and potential PM&Es for this species).

3.2.2.4 Botanical Resources

3.2.2.4.1 General Botanical Resources

Existing Measures: PacifiCorp has implemented the following required PM&Es and voluntary measures for botanical resources during the current license term:

- Annual consultation with the USFS regarding any planned maintenance or operational measures that would involve ground-disturbing activities;
- Annual weed control around the Weber recreation site, dam and flowline intake, and powerhouse/cottage area.

Potential Measures: In addition to the existing measures, PacifiCorp may expand weed control into riparian habitats in other accessible areas of the bypassed reach.

3.2.2.4.2 Rare Threatened and Endangered Plant Species

Ute ladies'-tresses orchid (*Spiranthes diluvialis*) (ULT) is the only federally-listed threatened plant species with the potential to occur in the vegetation communities and elevation ranges in or within one mile of the Project Area. Because preliminary surveys did not identify any ULT within the Project Area, there are no PM&E measures related to rare plant species for the Weber Project. The potential need for PM&E measures would be evaluated during the relicensing process.

3.2.2.5 Terrestrial Wildlife Resources

3.2.2.5.1 General Terrestrial Wildlife Resources

Existing Measures: PacifiCorp currently implements the required PM&Es for annual consultation with the USFS regarding any planned maintenance or operational measures that could impact wildlife habitat.

Proposed Measures: In addition to the existing measures, there are no proposed PM&E measures related to general terrestrial wildlife resources for the Weber Project. The potential need for additional PM&E measures would be evaluated during the relicensing process.

3.2.2.5.2 Rare, Threatened, and Endangered Terrestrial Wildlife Species

Yellow-billed cuckoo is the only federally listed threatened terrestrial wildlife species that has the potential to occur in the vegetation communities and elevation ranges in and within one mile of the Project Area. Preliminary analysis identified the potential for transitory individuals to fly through the Project Area and looked for the presence of suitable breeding or nesting habitat in the Project Area. However, this analysis did not identify any suitable breeding or nesting habitat patches within the Project Area. Consequently, there are no PM&E measures related to rare terrestrial wildlife species for the Weber Project. The potential need for PM&E measures will be evaluated during the relicensing process.

3.2.2.6 Cultural and Tribal Resources

Existing Measures: PacifiCorp currently implements a cultural resource management plan as a required PM&E related to cultural and tribal resources for the Weber Project.

Proposed Measures: PacifiCorp proposes to update the existing cultural resources management plan for the Weber Project. The potential need for additional PM&E measures will be evaluated during the relicensing process.

3.2.2.7 Recreation Resources

Existing Measures: PacifiCorp implemented the construction of, and currently maintains the existing recreation site located in the Project Area. The recreation site includes a paved parking area, five picnic tables, a grassy area, fishing access to the river below the dam, fishing access to the forebay with a handicapped-accessible platform, and a portable toilet that is available on a seasonal basis.

Potential Measures: In addition to the continued operation and maintenance of the Weber recreation site, PacifiCorp may provide additional improvements to the recreation site, such as improved restroom facilities and an improved pedestrian dirt river access trail. Additionally, if a safe, legal egress route can be identified, recreational whitewater boating flows will be evaluated during the relicensing study plan process.

3.2.2.8 Land Use

There are no existing or proposed PM&E measures related to land use for the Weber Project. The potential need for PM&E measures will be evaluated during the relicensing process.

3.2.2.9 Aesthetic Resources

There are no existing or proposed PM&E measures related to aesthetic resources for the Weber Project. The potential need for PM&E measures will be evaluated during the relicensing process.

3.2.2.10 Socioeconomic Resources

There are no existing or proposed PM&E measures related to Socioeconomic resources for the Weber Project. The potential need for PM&E measures will be evaluated during the relicensing process.

3.3 ALTERNATIVES TO THE PROPOSED ACTION

Commission staff will consider and assess all alternative recommendations for operational or facility modifications, as well as PM&E measures identified by the Commission, the agencies, Indian tribes, NGOs, and the public.

3.4 ALTERNATIVES CONSIDERED BUT ELIMINATED FROM DETAILED STUDY

At present, we propose to eliminate the following alternatives from detailed study in the EA:

3.4.1 Federal Government Takeover

In accordance with § 16.14 of the Commission's regulations, a federal department or agency may file a recommendation that the United States exercise its right to take over a hydroelectric power project with a license that is subject to sections 14 and 15 of the FPA.⁵ PacifiCorp does 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 Non-power License

A non-power license is a temporary license the Commission would terminate whenever it determines that another governmental agency is authorized and willing to assume regulatory authority and supervision over the lands and facilities covered by the non-power license. At this time, no governmental agency has suggested a willingness or ability to take over the project. No party has sought a non-power license, and there is no basis for concluding that the Weber Project should no longer be used to produce power. Thus, PacifiCorp does not consider a non-power license a reasonable alternative to relicensing the project.

3.4.3 Project Decommissioning

Decommissioning of the project 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. There would be significant costs involved with decommissioning the project and/or removing any project facilities. The project provides a viable, safe, and clean renewable source of power to the region. With decommissioning, the project would no longer be authorized to generate power.

No party has suggested project decommissioning would be appropriate in this case, and there is no basis for recommending it. Thus, PacifiCorp does not consider project

⁵ 16 U.S.C. §§ 791(a)-825(r).

decommissioning a reasonable alternative to relicensing the project with appropriate costeffective environmental measures.

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 (40 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.

4.1.1 Resources That Could be Cumulatively Affected

Based on information in the PAD and preliminary analysis, PacifiCorp identified the following resources that may be cumulatively affected by the proposed project: water quality, fishery resources, terrestrial botanical resources and terrestrial wildlife habitat, and river-based recreation.

4.1.2 Geographic Scope

The geographic scope of analysis for cumulatively affected resources is defined by the physical limits or boundaries of: (1) the proposed action's direct and indirect effects on the resources, and (2) contributing effects from other hydropower and non-hydropower activities within the geographic scope of analyses. Because the proposed action would affect resources differently, the geographic scope of analysis for each resource may vary.

At this time, the Weber River Basin from the upstream portion of the project boundary downstream has been identified as the geographic scope of analysis for water quality. This area was chosen because the project would not contribute incrementally to water quality effects upstream of this area (i.e., the project would not result in direct or indirect effects to water quality upstream of this area). For fishery resources the Weber River Basin has been identified as the geographic scope of analysis. This area was chosen because habitat for fish species is available across this river system and fish species movements occur throughout the system.

The Weber Project is one of two hydroelectric projects located on the Weber River; the other project is the Bureau of Reclamation's Echo Reservoir. Two additional hydroelectric and water storage projects are located on other creeks in the upper basin (East Canyon and Lost Creek). Numerous small irrigation diversion dams and other related infrastructure (including the Weber-Provo River Diversion) have altered the hydrologic flow regime of the Weber River and its tributaries. These projects have

resulted in the conversion of a substantial amount of lotic (river-type) habitats in the basin to lentic (lake-type) habitats, which may have led to higher summer water temperatures and changes in the structure of fish communities. The dams have also impeded sediment and large woody debris transport, as well as fish migration routes which are important elements of fish habitat. The establishment of some of the reservoirs has provided environmental conditions conducive to non-native macrophyte growth, which in turn may be responsible for occasionally elevated levels of nutrients and decreased levels of dissolved oxygen, particularly in the reservoir impoundments and the lower Weber River. The dams associated with numerous projects in the Weber River Basin noted above have substantively increased the number of barriers to fish movements in the basin especially during high flow periods. Potential load following operations (i.e., peaking) at the larger storage projects on the Weber River (note that the Weber Project is run of river) may be causing disruption of fish spawning in shallower reservoir areas and river habitats, erosion along reservoir and river banks, and decreased abundance and diversity of macroinvertebrates. Other contributors to adverse effects on aquatic resources in the basin include construction of I-84 and other roads, introductions of nonnative fish species, hybridization with related non-native trout species, some urbanization, pipeline and railroad construction, and historic timber harvest and mining operations.

The geographic scope of analysis for terrestrial botanical and wildlife resources encompasses the Weber River Basin. Regulation of flows by upstream dams and diversions causes daily and seasonal changes in surface water fluctuations that may have led to shoreline erosion, spread of invasive species, and alteration of shoreline habitats. Project facilities and operations, other river dams and diversions, pipelines, roads, mines, timber harvest, transmission line right-of-way maintenance, and farming and grazing activities, as well as rural, suburban, urban, commercial, and industrial development have collectively contributed to the loss and alteration of botanical and wildlife habitat. Although many of these non-project developments have not occurred within the project boundary, they are close enough to have an effect on resources within the Project Area (particularly freeway and pipeline development). Upstream and upslope development and land clearing/alteration activities in combination with water diversions and canals may contribute to the establishment and spread of invasive species throughout the Weber River Basin. Road construction, vehicular traffic, and foot traffic associated with recreational pursuits may also contribute to the degradation and loss of sensitive habitats and displacement of wildlife.

The geographic scope of analysis for river-based recreation resources encompasses the Weber River Basin. Fluctuations in forebay levels caused by project operations; other upstream hydroelectric, diversion, and storage project operations; and natural seasonal river flow fluctuations may all affect the ability of the public to access the river for boating, fishing, and other river-based recreational activities (such as stream-side picnicking and hiking) at times. The incremental increase in the presence of human

activity in the river corridor —due to project facilities that improve recreational fishing access and other impacts as previously noted—may affect the public's use and enjoyment of recreation resources in the Project Area.

4.1.3 Temporal Scope

The temporal scope of the cumulative effects analysis in the EA will include a discussion of past, present, and reasonably foreseeable 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 to 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. The quality and quantity of information, however, diminishes as resources further away in time from the present are analyzed.

4.2 **RESOURCE ISSUES**

This section presents a preliminary list of environmental issues to be addressed in the EA. PacifiCorp identified these issues, which are listed by resource area, by reviewing the PAD and through preliminary consultation and other discussions with interested parties to the relicensing of the Weber 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. Those issues identified by an asterisk (*) will be analyzed for both cumulative and site-specific effects.

4.2.1 Geologic and Soil Resources

• No issues are expected to geologic and soil resources resulting from the continued operation of the Project. No new Project-related facilities are planned in undisturbed areas, so there would be no additional disturbance to geology, and only minor potential additional disturbance to soils.

4.2.2 Water Resources

4.2.2.1 Hydrology

• Project-related activities are not expected to negatively alter the hydrologic functioning of the Weber River as no changes to the existing operational regime of the Project or minimum stream flows are proposed. Therefore, no issues regarding hydrology are expected to arise from the continued operation of the Project.

4.2.2.2 Water Rights

• There are no known instream flow uses, existing water rights or pending water rights in the Project vicinity up or downstream of the Weber project that would be affected by continued operation of the Project. Therefore, no issues regarding water rights are expected to arise from the continued operation of the Project.

4.2.2.3 Water Quality*

- Because the Weber hydroelectric project is a run-of-the-river facility with a very small forebay (and associated short retention time) and all water is pass-through, water quality as related to designated beneficial uses is not likely to be substantively altered by continued operation of the Project.
- Baseline water quality studies are proposed to determine what, if any, effect the Project has on water quality.

4.2.3 Fisheries and Aquatic Resources*

- The primary issue with respect to fish and aquatic resources is upstream fish passage for BCT and bluehead sucker at the Weber diversion dam;
- Interest has also been expressed in determining what, if any, effects there may be to these two fish species resulting from potential entrainment.

4.2.4 Botanical Resources*

- Given the existing development on the canyon floor and the Project's small size and limited geographic footprint, the Project and current or future operations are unlikely to have significant additional impacts on botanical resources, including special status species.
- Potential habitat for the federally-listed threatened Ute's ladies' tresses (ULT) orchid (*Spiranthes diluvialis*) was noted in the Project Area, but surveys for this species have not identified any ULT individuals.

4.2.5 Terrestrial Wildlife Resources*

• Terrestrial wildlife distributions in the Project Area are limited by the existing development of utility and transportation corridors in Weber Canyon. Given the existing development on the canyon floor and the Project's small size and limited geographic footprint, the Project and current or future operations are unlikely to

have significant additional impacts on wildlife resources, including for special status terrestrial wildlife species.

• Preliminary habitat analysis indicated there is no potential for breeding or nesting habitat for yellow-billed cuckoo (the only special status terrestrial wildlife species potentially within the Project Area), so it is unlikely there would be an effect to terrestrial threatened or endangered wildlife species.

4.2.6 Cultural and Tribal Resources

- PacifiCorp prepared and implemented a cultural resource management plan (CRMP) as part of the previous FERC license to address potential impacts to cultural resources in the FERC project boundary.
- PacifiCorp will follow the standards and procedures outlined in the plan in coordination with the State Historic Preservation Office (SHPO) for any new proposed construction. Therefore, no issues regarding cultural and tribal resources are expected to arise from the continued operation of the Project.
- PacifiCorp may update the CRMP as part of the proposed baseline cultural resource studies.

4.2.7 Recreation*

- The primary issues related to recreation resources in the Project Area include the adequacy of the existing recreation opportunities and their consistency with the goals and objectives of local, state, and federal agency plans;
- Interested parties to the relicensing process have indicated interest in the possibility of potentially improved trail access to the bypassed reach of the river below the easternmost I-84 bridge in the Project Area;
- Interested parties have also indicated interest in the potential to identify safe, legal egress for whitewater boating opportunities.

4.2.8 Land Use

- No changes in land use are envisioned to result from continued operation of the Project;
- Land use issues could arise from potential conflicts with applicable land use and resource management plans that have been drafted or revised since the Project was

originally approved and licensed, as well as changing conditions in the Project Area resulting from human factors such as additional surrounding area development or such environmental factors as climate change.

4.2.9 Aesthetic Resources

• Because the Project is adjacent to both a divided four-lane highway, pipelines, and railroads, as well as other developments, noise and other aesthetic effects of continued operation of the Project do not present a contrast from the existing surrounding environment. Therefore, no issues regarding aesthetic resources are expected to arise from the continued operation of the Project.

4.2.10 Socioeconomic Resources

- No issues are expected to socioeconomic resources resulting from the continued operation of the Project;
- Continued operation of the Project would have a positive effect on socioeconomic conditions within the region due to the benefit of the approximately 20,000 annual visitors to the Weber Recreation Site, many of whom have spent money (gasoline, fishing licenses and gear, meals, etc.) in the area, as well as the continued generation of renewable power to help meet the local electrical load and keeping the economic benefits of this electrical production and the associated workers in the local area.

5.0 PROPOSED STUDIES

Depending upon the findings of studies completed by PacifiCorp and the recommendations of the consulted entities, PacifiCorp will consider, and may propose, certain other measures to enhance environmental resources affected by the project as part of the proposed action. PacifiCorp's initial study proposals are identified by resource area in Table 2. Detailed information on PacifiCorp's initial study proposals can be found in the PAD and preliminary study plans. Further studies may be added to this list based on comments provided to the Commission and PacifiCorp from interested participants, including state and federal natural resource agencies, NGOs, and Indian tribes.

Resource Area and Issue	Proposed Study/Information Need
Water Resources	
Water Quality	Monitor water quality at three sites: upstream of the forebay, in the bypassed reach, and immediately downstream of the powerhouse to determine the effects of the project on critical water quality parameters.
Fisheries and Aquatic Resources	
Fish Passage and Entrainment	Study and design potential fish passage facilities appropriate for both BCT and bluehead sucker at the Weber Project dam. Implement a phased study in the Project Area that will investigate what, if any, size classes of fish are being affected by entrainment into the Project waterway.
Terrestrial Threatened, Endangere	ed, and Sensitive Species and Noxious Weeds
Special Status Species and Noxious Weeds	Identify any potential terrestrial threatened, endangered, and sensitive species in the Project Area and inventory noxious weeds in the FERC project boundary.
Cultural and Tribal Resources	
Cultural Inventory	Conduct a formal cultural inventory of the Project Area to verify the results of the PAD assessment. The existing Cultural Resource Management Plan will be assessed for a potential update.
Recreation	
Recreation Needs and Opportunity	Address the adequacy of the facilities at the existing recreation site; look at the potential for an improved angler/boater access under the I-84 bridge near the recreation site, and the potential to create safe, legal egress for whitewater boating opportunities within the Project Area.

Table 2. PacifiCorp's Initial Study Proposals (Source: PAD).

6.0 REQUEST FOR INFORMATION AND STUDIES

PacifiCorp requests that federal, state, and local resource agencies, Indian tribes, NGOs, and the public please forward to PacifiCorp and the Commission any information that will assist PacifiCorp and the Commission in conducting an accurate and thorough analysis of the project-specific and cumulative effects associated with relicensing the Weber 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 relicensing of the Weber 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, Indian tribes, NGOs, and the public;
- documentation showing why any resources should be excluded from further study or consideration; and
- study requests by federal and state agencies, local agencies, Indian tribes, NGOs, and the public that would help provide a framework for collecting

pertinent information on the resource areas under consideration necessary for the Commission to prepare the EA/EIS for the project.

Under the ALP, stakeholders and the license applicant must work collaboratively to agree on and develop relicensing study plans. All requests for studies filed with the Commission must meet the criteria found in Appendix A, *Study Plan Criteria*.

The requested information, comments, and study requests should be submitted to the Commission no later than **November 6, 2015.** All filings must clearly identify the following on the first page: **Weber Hydroelectric Project (FERC Project No. 1744-039**). Scoping comments may be filed electronically via the Internet. See 18 C.F.R. 385.2001(a)(1)(iii) and the instructions on the Commission's website http://www.ferc.gov/docs-filing/efiling.asp. Brief comments (up to 6,000 characters) may be submitted without prior registration using the eComment system at http://www.ferc.gov/docs-filing/efiling.asp. You must include your name and contact information at the end of your comments. 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. Although the Commission strongly encourages electronic filing, documents may also be paper-filed. To paper-file, mail an original and five copies to: Kimberly D. Bose, Secretary, Federal Energy Regulatory Commission, 888 First Street, NE, Washington, D.C. 20426.

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

Any questions concerning the scoping meetings, site visits, or how to file written comments with the Commission should be directed to Claire McGrath at (202) 502-8290 or <u>claire.mcgrath@ferc.gov</u>. Additional information about the Commission's licensing process and the Weber Project may be obtained from the Commission's website, <u>www.ferc.gov</u>.

7.0 EA PREPARATION

At this time, the Commission anticipates 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 Weber Project. The EA will include PacifiCorp's recommendations for operating procedures, as well as PM&E 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. A schedule for EA preparation will be provided after a license application is filed.

The major milestones for preparation of the EA, with pre-filing target dates, are shown in Table 3.

Hold NEPA Scoping and Joint Agency Meeting	October 2015
Negotiate Study Plans	October-November 2015
Conduct Studies	2016
Analysis of Completed Studies	February 2017
Prepare Phase II Study Plans & Conduct Additional Studies if Needed	Spring/ Summer 2017
Prepare Applicant Prepared Environmental Assessment and Draft License Application, and Provide to Stakeholders	November 2017
Provide PacifiCorp with Comments on the Applicant Prepared Environmental Assessment and Draft License Application	February 2018
Prepare Final Application and Final Applicant Prepared Environmental Assessment	February-April 2018
File Final Application and Final Applicant Prepared Environmental Assessment and Provide Copies of Final Application and NEPA Documents to Stakeholders. Issue Public Notice of Filing	May 2018
Issue Draft and Final FERC EA	2019
Current FERC License Expires	May 31, 2020

Table 3. Major NEPA Milestones for the Weber Hydro Relicensing Project

A copy of PacifiCorp's process plan, which has a more detailed list of milestones for developing the license application for the Weber Project, is attached as Appendix B.

8.0 PROPOSED EA (or EIS) OUTLINE

The preliminary outline for the Weber Project EA is as follows:

TABLE OF CONTENTS FORMAT FOR AN EA OR EIS

TABLE OF CONTENTS LIST OF FIGURES LIST OF TABLES ACRONYMS AND ABBREVIATIONS EXECUTIVE SUMMARY

1.0 INTRODUCTION

- 1.1 Application
- 1.2 Purpose of Action and Need for Power
- 1.3 Statutory and Regulatory Requirements
 - 1.3.1 Federal Power Act
 - 1.3.1.1 Section 18 Fishway Prescriptions
 - 1.3.1.2 Section 4(e) Conditions
 - 1.3.1.3 Section 10(j) Recommendations
 - 1.3.1.4 Section 30(c) Fish and Wildlife Conditions
 - 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 Pacific Northwest Power Planning and Conservation Act
 - 1.3.7 Wild and Scenic Rivers Act
 - 1.3.8 Magnuson-Stevens Fishery Conservation and Management Act
 - Other statutes as applicable
- 1.4 Public Review and Comment
 - 1.4.1 Scoping
 - 1.4.2 Interventions
 - 1.4.3 Comments on the Application
 - 1.4.4 Comments on Draft EA or EIS (final EA/EIS only)

2.0 PROPOSED ACTION AND ALTERNATIVES (relicense applications)

- 2.1 No-action Alternative
 - 2.1.1 Existing Project Facilities
 - 2.1.2 Project Safety
 - 2.1.3 Existing Project Operation
 - 2.1.4 Existing Environmental Measures
- 2.2 Applicant's Proposal
 - 2.2.1 Proposed Project Facilities

- 2.2.2 Proposed Project Operation
- 2.2.3 Proposed Environmental Measures
- 2.2.4 Modifications to Applicant's Proposal—Mandatory Conditions
- 2.3 Staff Alternative
- 2.4 Staff Alternative with Mandatory Conditions
- 2.5 Other Alternatives (as appropriate)
- 2.6 Alternatives Considered but Eliminated from Detailed Study
 - 2.6.1 Federal Government Takeover of the Project
 - 2.6.2 Issuing a Nonpower License
 - 2.6.3 Retiring the Project
- 3.0 ENVIRONMENTAL ANALYSIS
 - 3.1 General Description of the River Basin
 - 3.2 Scope of Cumulative Effects Analysis
 - 3.2.1 Geographic Scope
 - 3.2.2 Temporal Scope
 - 3.3 Proposed Action and Action Alternatives
 - 3.3.1 Geologic and Soil Resources
 - 3.3.2 Water Resources
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 - 3.3.6 Cultural and Tribal Resources
 - 3.3.7 Recreation
 - 3.3.8 Land Use
 - 3.3.9 Aesthetic Resources
 - 3.3.10 Socioeconomics
 - 3.4 No-action Alternative
- 4.0 DEVELOPMENTAL ANALYSIS
 - 4.1 Power and Economic Benefits of the Project
 - 4.2 Comparison of Alternatives
 - 4.3 Cost of Environmental Measures
 - 4.4 Air Quality (as needed)

5.0 CONCLUSIONS AND RECOMMENDATIONS

- 5.1 Comparison of Alternatives
- 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) (EAs only)

- 7.0 LITERATURE CITED
- 8.0 LIST OF PREPARERS

9.0 LIST OF RECIPIENTS (EISs only)

APPENDICES

A—License Conditions Recommended by Staff

B—Response to Comments on the Draft Environmental Assessment (or Environmental Impact Statement)

9.0 APPLICABLE COMPREHENSIVE PLANS

Section 10(a)(2) of the 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 and state comprehensive plans for improving, developing, or conserving a waterway or waterways affected by a project. PacifiCorp has preliminarily identified and reviewed the plans listed below that may be relevant to the Weber Project. 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 CFR 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.

- Forest Service. 2003. Wasatch-Cache National Forest land and resource management plan. Department of Agriculture. Salt Lake City, Utah. March 2003.
- Lentsch et al. 2000. Rangewide conservation agreement and strategy for Bonneville cutthroat trout rangewide.
- Lentsch et al. Conservation agreement and strategy for Bonneville cutthroat trout in the state of Utah.
- U.S. Fish and Wildlife Service. n.d. Fisheries USA: the recreational fisheries policy of the U.S. Fish and Wildlife Service. Washington, D.C.
- Utah Department of Natural Resources. 2006. Conservation and management plan for three fish species in Utah. Salt Lake City, Utah.
- Utah Department of Natural Resources. 2006. Range-wide conservation agreement and strategy for roundtail chub, bluehead sucker, and flannelmouth sucker. Salt Lake City, Utah.
- Utah Department of Natural Resources. 2014. 2014 Utah Statewide Comprehensive Outdoor Recreation Plan. Salt Lake City, Utah.

Weber River Partnership. 2014. The Weber River Watershed Plan

10.0 OFFICIAL FERC MAILING LIST

The Commission's official mailing list for the Weber Project (FERC No. P-1744) is shown in Table 4. If you wish to receive future mailings for the Weber Project and are not included in the list below, please send your request by email to <u>efiling@ferc.gov</u> or by mail to: Kimberly D. Bose, Secretary, Federal Energy Regulatory Commission, 888 First Street, N.E., Room 1A, Washington, DC 20426. All written and emailed requests to be added to the mailing list must clearly identify the following on the first page: Weber Project No. 1744. You may use the same method if requesting removal from the mailing list below.

Davis County	Morgan County	Weber County		
Board of County Commissioners	Board of County Commissioners	Board of County Commissioners		
Farmington, UT 84025	Morgan, UT 84050	2380 Washington Blvd., Fl. 3		
-		Ogden, UT 84401		
Director	Director of Lands	Director, State Parks		
U.S. Department of Energy	USDA-Forest Service	Utah Department of Natural		
Denver Regional Support Office	Intermountain Region	Resources		
1617 Cole Blvd., Fl 2	324 25 th St	1594 W. North Temple, Ste. 116		
Golden, CO 80401	Ogden, UT 84401	Salt Lake City, UT 84116		
State Engineer	Director	Director		
Division of Water Rights	Division of Oil, Gas and Mining	Division of Wildlife Resources		
Utah Dept. of Natural Resources	Utah Dept. of Natural Resources	Utah Dept. of Natural Resources		
PO Box 146300	PO Box 145801	PO Box 146301		
Salt Lake City, UT 84114	Salt Lake City, UT 84114	Salt Lake City, UT 84114		
Director	Attorney General	Bob Dach		
Utah Geologic Survey	Utah Office of Attorney General	Hydropower Program Manager		
1594 W. North Temple, Ste. 3410	236 State Capital Building	U.S. Bureau of Indian Affairs		
Salt Lake City, UT 84116	Salt Lake City, UT 84114	911 NE 11 th Ave		
	-	Portland, OR 97232		
DPU/PSC Library	Tage Flint	Mark Sturtevant		
Utah State Division of Public	SecMgr.	Managing Director		
Utilities	Weber Basin Water Conservancy	PacifiCorp Hydro Resources		
PO Box 146751	District	825 NE Multnomah, Suite 1500		
Salt Lake City, UT 84114	2837 E. Hwy. 193	Portland, OR 97232		
	Layton, UT 84040			
Regional Director	Regional Director	Robert F. Stewart		
Bureau of Reclamation	Attn: LC 705	Regional Environmental Officer		
125 S State St., Rm 6107	Bureau of Reclamation	US Dept. of Interior		
Salt Lake City, UT 84138	Lower Colorado Region	PO Box 25007		
	PO Box 61470	Denver, CO 80225		
	Boulder City, CO 89006			
William Moellmer				
Utah Division of Water Quality				
PO Box 144870				
Salt Lake City, UT 84114				

Table 4. Official FERC Mailing List for the Weber Hydro Relicensing Project.

PacifiCorp has prepared a supplemental mailing list to include all potentially interested parties (Table 5). These parties receive e-mail notification from the applicant regarding project information (e.g., proceedings, documents, and meeting notes); **please note that future mailings will only be made to the official mailing list**. This list is provided below for informational purposes only.

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 FERCOnlineSupport@ferc.gov or toll free at 1-866-208-3676, or for TTY, (202) 502-8659.

Table 5. PacifiCorp's Supplemental Mailing List for the Weber Hydro RelicensingProject.

Amy DeFreese	Charles Vincent	Corrina Bow		
U.S. Fish and Wildlife Service	Regional Coordinator	Paiute Tribes of Utah		
2369 W. Orton Circle, Suite 50	American Whitewater	440 North Paiute Dr.		
West Valley City, UT 84119	1800 E. 3990 South	Cedar City, UT 84721		
	Salt Lake City, UT 84124			
Anne Hansen	Charlie Rosier	Craig Walker		
Land & Special Uses	Recreation, Lands & Special Uses	Aquatic Habitat Coordinator		
U.S. Forest Service	U.S. Forest Service, Uinta-	Utah Division of Wildlife		
Ogden Ranger District	Wasatch-Cache National Forest	Resources		
Wasatch-Cache National Forest	Forest Supervisor's Office	P.O. Box 146301		
507 E. 25th Street	857 W. South Jordan Parkway	1594 W. North Temple		
Ogden, UT 84401	South Jordan, UT 84095	Salt Lake City, UT 84114		
Barry Burton	Chris Hansen	Dan Stone		
Planning Director	SHPO Compliance & Preservation	Policy Analyst		
Davis County Planning Department	Utah Division of State History	Shoshone-Bannock Tribe		
P.O. Box 618	300 S. Rio Grande Street	P. O. Box 306		
Farmington, UT 84025	Salt Lake City, UT 84101	Fort Hall, ID 83203		
Ben Nadolski	City of Harrisville	David Hurd		
Aquatic Biologist	363 W. Independence Blvd.	Environmental Protection Specialist		
Utah Division of Wildlife	Harrisville, UT 84404	NPS - Intermountain Regional		
Resources, Northern Region		Office		
515 E. 5300 South		12795 W. Alameda Pkwy.		
Ogden, UT 84405		Denver, Colorado 80225-0287		
Bill Cobabe	Claire McGrath	Dawn Alvarez		
Department Director	Federal Energy Regulatory	Fish Biologist		
Morgan County Planning and	Commission	U.S. Forest Service		
Development	Division of Hydropower Licensing	Inter-Regional Hydropower and		
Morgan County Courthouse	888 First Street, N.E., Washington,	Ditch Bill Team		
48 West Young Street	DC 20426	324 25th Street		
Morgan, UT 84050		Ogden, UT 84401		
Bill James	Clearfield City	Eric Millis		
Wildlife Program Director	55 S. State St.	Director		
Utah Division of Wildlife	Clearfield, UT 84015	Utah Division of Water Resources		
Resources		1594 W. North Temple		
P.O. Box 146301		Salt Lake City, UT 84116		
Salt Lake City, UT 84114-6301		-		

Brent DeYoung	Cleve Davis	Eve Davies	
South District Engineer	Environmental Coordinator	Weber Relicense Program Manager	
Utah Department of Transportation	Fish and Wildlife Department	PacifiCorn Hydro Resources	
166 W Southwell St	Shoshone-Bannock Tribes	Department	
S Willard UT 84340	P O Box 306	1407 W North Temple Suite 110	
St (finala, e i e is ie	Fort Hall, ID 83203	Salt Lake City, UT 84116	
Centerville City	Clinton City	Farmington City	
250 N. Main	2267 N. 1500 W.	160 S. Main PO Box 160	
Centerville, UT 84014	Clinton, UT 84015	Farmington, UT 84025	
Beth Bendickson	Cole Panter	Farr West City	
PacifiCorp – Hydro Resources	Weber & Ogden Water	Farr West City Office	
825 NE Multnomah, Suite 1500	Commissioner	1896 N. 1800 W.	
Portland, OR 97232	P.O. Box 741	Farr West, UT 84404	
, , , , , , , , , , , , , , , , , , ,	Ogden, UT 84402	, ,	
Fred Hayes	Kari Lundeen	Nathan Small	
Director	Weber River Watershed TMDL	Tribal Chairman	
Utah State Parks and Recreation	Coordinator	Fort Hall Business Council	
1594 W. North Temple, Ste. 116	Utah Division of Water Quality	Shoshone-Bannock Tribes	
Salt Lake City, UT 84116	P. O. Box 144870	P.O. Box 306	
	195 N. 1950 West	Fort Hall, ID 83203	
	Salt Lake City, UT 84114-4870		
Fruit Heights City	Kaysville City	North Ogden City	
City Hall	23 E. Center	Municipal Bldg. 505 E. 2600 N.	
910 S. Mountain Rd.	Kaysville, UT 84037	North Ogden, UT 84414	
Fruit Heights, UT 84037			
Hooper City	Keith Kirkendall	Ogden City	
Hooper City Civic Center	Supervisory Natural Resource	Ogden Municipal Building	
5580 W. 4600 S.	Specialist	2549 Washington Blvd.	
Hooper, UT 84315	National Marine Fisheries Service	Ogden, UT 84401	
	1201 Northeast Lloyd Boulevard,		
	Suite 1100		
	Portland, OR 97232		
Ivan Ray	Kevin Colburn	Patty Timbimboo Madsen or Jason	
General Manager	National Stewardship Director	Walker	
Weber River Water Users & Davis	American Whitewater	Northwestern Band of Shoshone	
and Weber Co. Canal Company	2725 Highland Drive	Nation	
138 W. 1300 North	Missoula, MT 59802	707 North Main Street	
Juff Dudge	Krisey Wilson	Drigham City, UT 84302	
Operations and Excitations	NIISSY WIISON	A quotion Drough Companying	
Monogor	Descurres	Aquatics Branch Supervisor	
Provo River Water Users	$P \cap Roy 1/6301$	2360 W Orton Circle Suite 50	
285 W 1100 North	1594 W North Temple Suite 2110	West Valley City UT 8/110	
Pleasant Grove UT 84062	Salt Lake City UT 8/11/ 6301	west valley City, 01 84119	
lim Hastreiter	Lavton City	Paul Badame	
Federal Energy Regulatory	A37 N Wasatch Dr	I all Dadanc	
Commission	Lavton IIT 84041	Resources	
Division of Hydronower Licensing		P O Box 146301	
805 SW Broadway		1594 W. North Temple Suite 2110	
Fox Tower - Suite 550		Salt Lake City. UT 84114-6301	
Portland, OR 97205			

Bureau of Reclamation 302 E. 1860 South Provo, UT 84606Skull Valley Band of Goshute P.O. Box 448 Grantsville, UT 84029Program Coordinator Trout Unlimited 5729 S. 150 East Ogden, UT 84405Justin Mahr Contract Manager Union Pacific Railroad 1400 Douglas St. Omaha, NE 68179Lori Hunsaker Deputy SHPO Utah Division of State History 300 S. Rio Grande Street Salt Lake City, UT 84101Paul Chase Fisheries Biologist U.S. Forest Service Logan Ranger District Wasatch-Cache National Forest 1500 E. Hwy 89 Logan, UT 84321Justin Record Water Rights Coordinator Bureau of Reclamation 302 E. 1860 South Provo, UT 84606Madeline Greymountain Confederated Tribe of Goshute P.O. Box 6104 Ibapah, UT 84034Paul Thompson Aquatics Program Manager Utah Division of Wildlife Resources, Northern Region S15 E. 5300 South Ogden, UT 84405Plain City 4160 W. 2200 N. Plain City, UT 84404Shaun McGrath Regional Administrator U.S. Environmental Protection Agency Region 8 1595 Wynkoop St. Mailcode 8RA Denver, CO 80202-1129Syracuse City Municipal Building 1979 W. 1900 South Syracuse, UT 84075Pleasant View City 520 W. Elberta Dr. Ogden, UT 84414Denver, CO 80202-1129Terry Swinscoe Acting District Ranger Us. Forest Service Ogden Ranger District, Wasatch- Cache National Forest
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Justin MahrLori HunsakerPaul ChaseContract ManagerDeputy SHPOFisheries BiologistUnion Pacific RailroadUtah Division of State HistoryU.S. Forest Service1400 Douglas St.300 S. Rio Grande StreetLogan Ranger DistrictOmaha, NE 68179Salt Lake City, UT 84101Wasatch-Cache National ForestJustin RecordMadeline GreymountainVasatch-Cache National ForestWater Rights CoordinatorConfederated Tribe of GoshutePaul ThompsonBureau of ReclamationP.O. Box 6104Nadeline302 E. 1860 SouthIbapah, UT 84034Resources, Northern RegionProvo, UT 84606Shaun McGrathSyracuse CityPlain CityShaun McGrathSyracuse City4160 W. 2200 N.Regional Administrator1979 W. 1900 SouthPlain City, UT 84404Shirlee SilversmithSyracuse, UT 84075Pleasant View CityShirlee SilversmithTerry Swinscoe520 W. Elberta Dr.DirectorUath Division of Indian AffairsOgden, UT 84414Shirlee SilversmithTerry SwinscoeSol North 1950 West, Suite AOgden Ranger District, Wasatch-Salt Lake City, UT 84116Cache National Forest
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Plain CityShaun McGrathOgden, UT 84405Plain CityShaun McGrathSyracuse City4160 W. 2200 N.Regional AdministratorMunicipal BuildingPlain City, UT 84404U.S. Environmental Protection1979 W. 1900 SouthAgency Region 8Syracuse, UT 840751595 Wynkoop St.Shailcode 8RADenver, CO 80202-1129Denver, CO 80202-1129Pleasant View CityShirlee SilversmithTerry Swinscoe520 W. Elberta Dr.DirectorActing District RangerOgden, UT 84414Utah Division of Indian AffairsU.S. Forest Service0gden Ranger District, Wasatch- Salt Lake City, UT 84116Ogden Ranger District, Wasatch-
Plain City 4160 W. 2200 N.Shaun McGrath Regional AdministratorSyracuse City Municipal BuildingPlain City, UT 84404U.S. Environmental Protection Agency Region 8 1595 Wynkoop St. Mailcode 8RA Denver, CO 80202-11291979 W. 1900 South Syracuse, UT 84075Pleasant View City 520 W. Elberta Dr. Ogden, UT 84414Shirlee Silversmith Director 250 North 1950 West, Suite A Salt Lake City, UT 84116Terry Swinscoe Acting District, Wasatch- Cache National Forest
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Mailcode 8RA Denver, CO 80202-1129Pleasant View CityShirlee Silversmith520 W. Elberta Dr. Ogden, UT 84414DirectorActing District Ranger Utah Division of Indian Affairs 250 North 1950 West, Suite A Salt Lake City, UT 84116U.S. Forest Service Ogden Ranger District, Wasatch- Cache National Forest
Denver, CO 80202-1129Pleasant View CityShirlee SilversmithTerry Swinscoe520 W. Elberta Dr.DirectorActing District RangerOgden, UT 84414Utah Division of Indian AffairsU.S. Forest Service250 North 1950 West, Suite A Salt Lake City, UT 84116Ogden Ranger District, Wasatch- Cache National Forest
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520 W. Elberta Dr. Ogden, UT 84414DirectorActing District RangerUtah Division of Indian Affairs 250 North 1950 West, Suite A Salt Lake City, UT 84116Ogden Ranger District, Wasatch- Cache National Forest
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250 North 1950 West, Suite A Salt Lake City, UT 84116 Ogden Ranger District, Wasatch-
Salt Lake City, UT 84116 Cache National Forest
507 25th St., Suite 103
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Riverdale City South Ogden City Washington Terrace City
4600 S. Weber River Dr. 3950 S. Adams Avenue, Ste. 1 City Hall
Riverdale, UT 84405 South Ogden, UT 84403 5249 S. South Pointe Dr
Washington Terrace, UT 84405
Robert Sanchez South Weber City Wavne Pullan
District Ranger 1600 E. South Weber Dr. Area Manager
U.S. Forest Service South Weber, UT 84405 Provo Area Office
Ogden Ranger District Bureau of Reclamation
Wasatch-Cache National Forest 302 E. 1860 South
507 25th St., Suite 103
Ogden, UT 84401
Roy City Sue Masica West Haven City
Roy Municipal Building Regional Director 4150 S. 3900 W.
5051 S. 1900 W. National Park Service West Haven. UT 84401
Roy, UT 84067 12795 Alameda Parkway
Denver, CO 80225
Sean Wilkinson Sunset City Corporation West Point City
Planning Director 200 W. 1300 N. West Point City Hall
Weber County Planning Division Sunset, UT 84015 3200 W. 300 N.
2380 Washington Blvd. Ste. 240 West Point. UT 84015
Ogden, UT 84401

Shaun Chapoose	Mark Anderson	William Damery	
Ute Indian Tribe	Assistant General Manager	Water Quality Management	
P.O. Box 190	Weber Basin Water Conservancy	Utah Division of Water Quality	
Fort Duchesne, UT 84026-0190	District	P.O. Box 144870	
	2837 E. Hwy 193	195 N. 1950 W., DEQ 3rd Floor	
	Layton, UT 84040	Salt Lake City, UT 84114-4870	

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APPENDIX A STUDY PLAN CRITERIA 18 CFR Section 5.9(b)

Any information or study request must contain the following:

1. Describe the goals and objectives of each study proposal and the information to be obtained;

2. If applicable, explain the relevant resource management goals of the agencies or Indian tribes with jurisdiction over the resource to be studied;

3. If the requester is not a resource agency, explain any relevant public interest considerations in regard to the proposed study;

4. Describe existing information concerning the subject of the study proposal, and the need for additional information;

5. Explain any nexus between project operations and effects (direct, indirect, and/or cumulative) on the resource to be studied, and how the study results would inform the development of license requirements;

6. Explain how any proposed study methodology (including any preferred data collection and analysis techniques, or objectively quantified information, and a schedule including appropriate filed season(s) and the duration) is consistent with generally accepted practice in the scientific community or, as appropriate, considers relevant tribal values and knowledge; and

7. Describe considerations of level of effort and cost, as applicable, and why proposed alternative studies would not be sufficient to meet the stated information needs.

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APPENDIX B WEBER PROJECT DETAILED PROCESS PLAN AND SCHEDULE

This process plan establishes the deadlines for the relicensing process. If the due date falls on a weekend or holiday, the due date is the following business day. Early filings or issuances will not result in changes to these deadlines.

Responsible Party	Pre-Filing Milestone	Date	FERC Regulation
PacifiCorp	Form Working Group of Stakeholders to include State and		Regulation
	Communications Protocol: Consensus on Process	Ongoing	4 34
PacifiCorp	Initial Interest Group Meetings	March 5 &	
1 uonicorp		April 28,	
		2015	4.34
PacifiCorp	File NOI/PAD, Request to use the ALP with FERC, Notice in	May 29,	4.34(i)(5),5.
	the Local Newspaper(s)	2015	3 5.5, 5.6
FERC	FERC Approves Use of Alternative Process	August 13,	
		2015	4.34(i)(6)
PacifiCorp	Scoping Document 1 issued	September	
D. ICC		2,2015	5.8
PacifiCorp	Hold NEPA Scoping and Joint Agency Meeting	October 6	4.24(1)(4)
Desificant	Even (months file with the Commission a report even which it	& 7, 2015	4.34(1)(4)
PacifiCorp	Every 6 months file with the Commission a report summarizing	Ongoing	4.34(i)(6)
PacifiCorn/All	Negotieto Study Plans	October	4.34(1)(0)
Stakeholders	Negotiale Study Flans	November	
Stukenorders		2015	4.34(i)(4)
PacifiCorp	Conduct Studies	2016	4.34
PacifiCorp	Analysis of Completed Studies	February	
		2017	4.34(i)4
PacifiCorp	Prepare Phase II Study Plans & Conduct Additional Studies if	Spring/	
	Needed	Summer	
		2017	4.34(i)4
PacifiCorp	Prepare Applicant Prepared Environmental Assessment and	N7 1	
	Draft License Application, and Provide to Stakeholders	November	4.24(1)4
A 11	Dravida DacifiCom with Commants on the Applicant Drapared	2017	4.34(1)4
All Stakeholders	Environmental Assessment and Draft License Application	2018	4 34(j)A
PacifiCorn	Prenare Final Application and Final Applicant Prenared	Eebruary-	4.54(1)4
raemeorp	Environmental Assessment	April 2018	4.34
PacifiCorp	File Final Application and Final Applicant-Prepared	May 2018	
1	Environmental Assessment and Provide Copies of Final	5	
	Application and NEPA Documents to Stakeholders. Issue		
	Public Notice of Filing		5.17
FERC	Issue Draft and Final FERC EA	2019	4.3.4
	Current FERC License Expires	5/31/2020	

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