

From: [Desserault, Audrey J.](#)
To: [Ruth Tracy](#); [Jennifer Harris](#); [Sarah Rockey](#); [Ken Wieman](#); [Gar Abbas](#); [Scott Hecht](#); [Michelle Day](#); [Peggy Miller](#); [Carol Serdar](#); [Cory Warnock](#); [Chuck Sauvageau](#); [Laura Johnson](#); [Williams, Kenneth V.](#); [Bill Kiel \(home\)](#); [Desserault, Audrey J.](#); [O'Donnell, Corey P.](#); [John Jakubowski](#); [Kevin Flores](#); [Brad Kriekhaus](#)
Cc: [Bill Frymire](#); [Ken Frasl](#); [Andrea Thorpe](#); [PermitReview@Cowlitz.org](#); [Bob Rose](#); [Curt Piesch](#); [Dana Dysart](#); [James Gordon](#); [Jennifer Quan](#); [Keith Kirkendall](#); [Jessica Lally](#); [John Serl WDFW](#); [Johnson Meninick](#); [Justin Allegro](#); [Kate Valdez](#); [Khounnala, Shannon E.](#); [Marc Hayes](#); [Matthew Mawhirter](#); [Nathan Reynolds](#); [Noah Oliver](#); [Scott Brummer](#); [Nichole Meyers](#); [Stephen Lewis](#); [Steve Parker](#); [Susan Rosebrough](#); [Tiffini Alexander](#); [Taylor Aalvik](#); [William Ivall](#); [Allyson Brooks](#); ["adurham@fs.fed.us"](#); [Chris Fontecchio](#)
Subject: Resource Coordination Meeting - Packwood Lake Hydroelectric Project - Minutes from March 27 and March 28, 2019
Date: Monday, April 22, 2019 3:10:35 PM
Attachments: [RCM 2019 - Day 1 Meeting Minutes.pdf](#)
[RCM 2019 - Day 2 Meeting Minutes.pdf](#)

Attached are the meeting minutes for the first annual Resource Coordination meeting, held on March 27 and March 28, 2019.

These are Reference Only minutes for the Resource Agency Committee.

Actions are being tracked by Energy Northwest via their action item list and compliance tracker.

Audrey Desserault
Project Specialist
Packwood Lake Hydroelectric Project
509.840.2067 cell

cc: Hardcopy to Yakama Nation and Cowlitz Indian Tribe

PKWD-19-045
C.3.11.B (R)
Letterbook
Licensing (eFile)

From: Desserault, Audrey J.
Sent: Thursday, March 21, 2019 10:57 AM
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Gordon <JGordon@Cowlitz.org>; Jennifer Quan <Jennifer.Quan@noaa.gov>; Keith Kirkendall <keith.kirkendall@noaa.gov>; Jessica Lally <Jessica_Lally@Yakama.com>; John Serl WDFW <John.Serl@dfw.wa.gov>; Johnson Meninick <Johnson_Meninick@Yakama.com>; Justin Allegro <Justin.Allegro@dfw.wa.gov>; Kate Valdez <Kate_Valdez@yakama.com>; Khounnala, Shannon E. <sekhounnala@energy-northwest.com>; Marc Hayes <marc.hayes@dfw.wa.gov>; Matthew Mawhirter <MJMawhirter@fs.fed.us>; Nathan Reynolds <NReynolds@cowlitz.org>; Noah Oliver <Noah_Oliver@Yakama.com>; Scott Brummer <Scott.Brummer@dfw.wa.gov>; Nichole Meyers <NMeyers@Cowlitz.org>; Stephen Lewis <Stephen_Lewis@fws.gov>; Steve Parker <ParS@Yakamafish-nsn.gov>; Susan Rosebrough <susan_rosebrough@nps.gov>; Tiffini Alexander <TAlexander@Cowlitz.org>; Taylor Aalvik <Taylor.A@Cowlitz.org>; William Iyall <Wlyall@Cowlitz.org>; Allyson Brooks <Allyson.Brooks@dahp.wa.gov>; Sarah Rockey <ssrockey@fs.fed.us>; 'adurham@fs.fed.us' <adurham@fs.fed.us>; Chris Fontecchio <Chris.Fontecchio@noaa.gov>

Subject: Resource Coordination Meeting - Packwood Lake Hydroelectric Project - Agendas for March 27 and March 28, 2019

Notice:

The agenda item "Fire Prevention Plan" has been moved from Day 2 (March 28) to Day 1 (March 27) for the Resource Coordination Meeting (RCM).

Action:

Obtain the meeting materials online at <https://www.energy-northwest.com/ourenergyprojects/packwood/Pages/Resource-Agencies-Committee.aspx>

Audrey Desserrault
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Sent: Monday, March 18, 2019 2:14 PM

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Subject: RE: Resource Coordination Meeting - Packwood Lake Hydroelectric Project - Agendas for March 27 and March 28, 2019

Notice:

The agenda item "Itemized Review of Draft Plan Comments and Proposed Energy Northwest Actions" has been changed to "Overview of Draft Plan Comments and Proposed Energy Northwest Actions". Given the timing of some of the received comments, EN will not have time to develop an itemized response for review at the Resource Coordination Meeting (RCM), March 27 and March 28, 2019.

Action:

Resource agents are asked to come prepared to explain any comments, during the Overview portion of the agenda, they view as high priority on the respective plans. This will be a collaborative time. EN will absorb those comments at the RCM and take the action to schedule a conference call with all requisite agencies. The conference call, to be held a few weeks after the RCM, will be an opportunity to discuss comments that we feel warrant additional conversation as we work to finalize and file the plans with FERC.

Attached:

Revised agendas.

Audrey Desserault
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From: Desserault, Audrey J. <AJDESSERAULT@energy-northwest.com>

Sent: Wednesday, February 13, 2019 8:40 AM

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Cc: Bill Frymire <billf@atg.wa.gov>; Taylor, Matthew P. <MPTAYLOR@energy-northwest.com>; Crawford, Randy G. <RGCRAWFORD@energy-northwest.com>; Ken Frasl <kefrasl@usgs.gov>; Mark Mastin <mcmastin@usgs.gov>; Andrea Thorpe <andrea.thorpe@dnr.wa.gov>; PermitReview@Cowlitz.org

Subject: Resource Coordination Meeting - Packwood Lake Hydroelectric Project - Agendas for March 27 and March 28, 2019

Resource Agency Committee members –

On October 11, 2018, the Federal Energy Regulatory Commission issued the Order Issuing New License to the Packwood Lake Hydroelectric Project. In accordance with 4(e) Condition No. – Resource Coordination, Energy Northwest will be hosting the first annual Resource Coordination Meeting. This will be a two-day event. Attached are the agendas for each day.

An Outlook meeting invite will be issued for each day. Please forward the invite to those in your agency that should be added to the contact list or will be your alternate. An accurate response (accept/decline) will assist me in ensuring sufficient seating and materials.

A call-in number will be provided closer to the event date.

Those that are cc'd on this email are included for information only.

Audrey Desserault
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Packwood Lake Hydroelectric Project (FERC No. 2244)
1st Annual Resource Coordination Meeting
Thursday, March 28, 2019
Washington PUD Association Building, 212 Union Ave SE, Olympia, WA 98501
8:30am to 4:00pm

Meeting Attendees

John Jakubowski – U.S. Forest Service (USFS)
Ruth Tracy – U.S. Forest Service (USFS)
Kevin Flores – U.S. Forest Service (USFS)
Brad Kriekhaus – U.S. Forest Service (USFS)
Ken Wieman – U.S. Forest Service (USFS)
Scott Hecht – NOAA/NMFS (NMFS)
Michelle Day – NOAA/NMFS (NMFS)
Peggy Miller – Washington Department of Fish and Wildlife (WDFW)
Carol Serdar – Washington Department of Ecology (WDOE)
Cory Warnock – McMillen Jacobs Associates (MCM)
Chuck Sauvageau – McMillen Jacobs Associates (MCM)
Laura Johnson – McMillen Jacobs Associates (MCM)
Corey O'Donnell – Energy Northwest (EN)
Ken Williams – Energy Northwest (EN)
Bill Kiel – Energy Northwest (EN)
Audrey Desserault – Energy Northwest (EN)

Introductions and Agenda

Shortly after 8:30am, Mr. Cory Warnock (MCM) provided an overview of the meeting topics and logistics. The meeting attendees introduced themselves and stated their role on the Project. The meeting began with the same Project overview presentations that were given on the first day of the meeting, for the benefit of several attendees that were not present on day one. Ken Williams presented an overview of the Project layout, infrastructure, and operations. Mr. Warnock summarized the history of the Project licensing process from the beginning of relicensing in 2004 to the present, including FERC license issuance in October 2018 and ongoing compliance activities. Mr. Warnock mentioned the site visits that have occurred, collaboration with NMFS on BiOp revisions, ongoing work with USFS to revise several Project license 4(e) conditions, and the initiation of permitting discussions with agencies. Mr. Warnock summarized revisions and finalization of Management Plans since license issuance. Mr. Warnock described the history of the Project relicensing that resulted in the development of license 4(e) mandatory conditions to meet the requirements of regulatory agencies instead of a settlement agreement.

Overview of Draft Plan Comments and Proposed Energy Northwest Actions

Mr. Warnock summarized the progress made during the first day of the Resource Coordination meeting including proposed revisions to the Resource Coordination Plan (RCP) that the group discussed.

Ms. Ruth Tracy (USFS) summarized the changes to the RCP that the group agreed on yesterday, including clarifying agency authority within the Plan and changes to text describing the responsibilities of EN and the Resource Agencies Committee (RAC).

Mr. Warnock stated that RAC members were welcome to provide comments on plans either verbally or in writing. Mr. Brad Kriekhaus (USFS) provided several overview thoughts on the Integrated Weed Management Plan and Rare Plant Management Plan and stated that he'd be reviewing the restoration plans when they are distributed for review.

Snyder Creek Re-Route Plan

Mr. Warnock and Mr. Ken Williams (EN) summarized the proposed Snyder Creek re-route plan and showed the general plan on the Project layout map. The RAC discussed that the beginning of the proposed re-route project will begin on USFS land. Downstream, re-route project location land is owned by EN and private landowners. Ms. Michelle Day (NMFS) asked if EN had begun communication with the land owners. Mr. Williams stated that he had attended a public meeting in Packwood several weeks prior and had spoken with one of the nearby property owners at the meeting. The other primary private landowner in the vicinity of the re-route project location have not been contacted yet.

Integrated Weed Management Plan

Mr. Scott Hecht (NMFS) provided several general comments regarding the Integrated Weed Management Plan (IWMP). He stated the need to ensure that certain herbicides are prevented from entering the water. Mr. Hecht stated that his branch of NMFS is currently investigating the use of certain pesticides in aquatic areas to evaluate overall harm of the pesticides versus the benefits of managing weeds. NMFS is currently revising their Lower Columbia Habitat Improvement Plan with Bonneville Power Administration (BPA) and several sections of that document are potentially relevant to this project, specifically the section that discusses Best Management Practices (BMPs) for work in freshwater environments. Mr. Hecht stated that NMFS has general BMPs and works with agencies to recommend specific BMPs that are appropriate for various projects. Mr. Hecht said that NMFS approves aquatic formulations of pesticides for use in projects. Mr. Hecht offered to provide BMPs from other projects that EN can use to compare the IWMP protocols with NMFS-recommended BMPs.

Ms. Peggy Miller (WDFW) stated that herbicide use is not regulated by the Project's 401 Water Quality Certification, but specific pesticides approved for use would be listed in the Hydraulic Project Approval (HPA).

Mr. Warnock provided an overview of the IWMP process and timeline. Mr. Warnock stated that EN will provide BMPs as part of the IWMP and inquired as to what permits will be required for IWMP implementation. Ms. Tracy stated that USFS pays Lewis County to treat weeds on USFS land. Mr. Kriekhaus said that he is not aware of any permit required for IWMP implementation, but the personnel applying herbicides should be certified for herbicide application in the state. Also, USFS will likely want to form an agreement with EN to obtain data from the implementation of the IWMP. A Pesticide Use Plan (PUP) is required by USFS and will be reviewed and approved by the USFS region. Ms. Day stated that EN should have NMFS's approval of the Plan due to the BiOp. There is no permit required from NMFS but approval is required per the BiOp. Mr. Hecht asked EN to include a table showing BMPs in the Plan, and NMFS would approve the Plan based on the inclusion of the appropriate BMPs. Mr. Hecht offered to provide NMFS' standard BMPs for other weed management plan development processes the agency had been involved in.

Historic Properties Management Plan

Mr. Kevin Flores (USFS) provided general comments on the Historic Properties Management Plan (HPMP) and stated that the plan generally looked good. He said he would like more

information about plans for monitoring associated with the HPMP. Mr. Warnock stated that monitoring would be covered in more detail during the afternoon portion of the RAC meeting.

Threatened and Endangered Species/Rare Plants Monitoring Plan

Mr. Warnock stated that EN will be developing a Threatened, Endangered and Sensitive (TES) Plan within the first year of the license, per the Project license requirements.

Mr. Warnock provided an overview of rare plant survey schedules as specified in the Rare Plant Management Plan. Mr. Warnock stated that Katy Beck will be conducting rare plant surveys and that USFS personnel are welcome to accompany her during surveys if desired.

Amphibian Monitoring

Mr. Warnock and Mr. Williams provided an overview of Site B and the potential need for amphibian monitoring in conjunction with operational lake level changes. Ms. Tracy stated that the wetlands at Site B are highly influenced by the tributaries flowing into Packwood Lake. Mr. Warnock suggested that after the first year of amphibian monitoring, the RAC should discuss the monitoring results and potentially modify plans for future monitoring. Mr. Bill Kiel (EN) provided some information about the operational lake level at different times of the year and pointed out that conducting the survey near the September 16 timeframe may not be ideal for amphibian monitoring. In mid-September, the lake level would be higher than at other times during the year due to the required summer operational lake level. Ms. Tracy stated that since it has been approximately 10 years since the site was assessed it would be a good idea to revisit the site several times during the spring to see how it may have changed over time. The results of these visits may inform the need for future monitoring. Ms. Miller stated that a Scientific Collection Permit (SCP) may be needed to conduct the amphibian monitoring.

Avian Protection Plan

Mr. Warnock provided an overview of avian protection improvements that EN has made and subsequent revisions to the Avian Protection Plan (APP) that occurred as a result of replacing non-compliant power poles. The APP requires visual observations and annual reporting. Mr. John Jakubowski (USFS) provided background information on the number of bald eagle nests the USFS observes in the region during their surveys each winter.

Cultural Resources

Mr. Warnock provided a brief overview of Project activities related to cultural resources. EN will coordinate with USFS during HPMP implementation.

Recreation

Mr. Williams provided an overview of Recreation Management Plan implementation per the Project license. EN and Ms. Miller discussed the type of fishing that is allowed at Packwood Lake, which includes rainbow trout fishing year-round. EN suggested that WDFW provide information for the planned kiosk at the lake regarding fishing opportunities and restrictions. Mr. Jakubowski asked if crayfish trapping at the lake occurs, and anecdotally, EN is not aware of any crayfish trapping activities. Mr. Jakubowski stated that crayfish trapping sometimes results in additional garbage at trapping locations. The RAC discussed potentially placing information on the kiosk requesting that crayfish trappers pack out any bait or other garbage.

Resource Coordination Plan

Mr. Warnock provided a brief overview of the Resource Coordination Plan. Ms. Miller asked about the timeline for finalizing the Plan. Mr. Warnock responded that the deadline to submit the final Plan is in October (within 1 year of license issuance) but EN would prefer to be proactive and finalize the Plan ahead of the deadline.

Project License Article Review

Lake Creek Stream Restoration Plan

Mr. Warnock provided an overview of the upcoming Lower Lake Creek restoration effort. Mr. Warnock stated that Dr. George Robison (MCM) has expertise in developing these types of restoration plans and will lead a Stream Restoration Sub-group to oversee the Lake Creek Stream Restoration Plan and implementation. A series of site visits, meetings, and calls will occur while the Plan is drafted and revised. Implementation of the Plan will occur in years 3-5 of the new license (2021-2023). There will be a series of public meetings in the Packwood area to inform the public about EN's restoration plans. Initial interactions that have occurred with the public have been positive. The Packwood Trail Association is proposing a new hiking and biking trail in the Packwood Lake vicinity, and EN has been coordinating with that group regarding the restoration plans. The proposed trail is designed to provide an easier hike than some of the existing hiking trails in the area and will cross Lake Creek on the ridge, upstream of the restoration site.

Snyder Creek Re-Route Plan

Mr. Warnock provided an overview of the Project license requirement to re-route Snyder Creek to join Hall Creek downstream of the Project tailrace flume.

Stream Restoration Sub-Group

The Stream Restoration Sub-Group will oversee the development and implementation of both the Lower Lake Creek Restoration Plan and the Snyder Creek Re-Route Plan. Mr. Williams stated that EN has been considering the advantages of conducting the two restoration efforts in series rather than in parallel, in order to capture and utilize lessons learned along the way and to use resources effectively. Also, this will allow EN and the agencies to focus on one effort at a time. The RAC proceeded to discuss the restoration timeline and the pros and cons of conducting the efforts in series. Mr. Warnock laid out a potential timeline and indicated that two additional years would need to be added to the end of the timeline (7 years to implement both restoration projects). The RAC discussed the benefits of each project from a habitat perspective and prioritization of the two efforts. Mr. Hecht stated that NMFS prefers that the restoration project with higher productivity first be implemented first. It was mentioned that NEPA and SEPA processes will be required for both restoration projects. The permitting process was discussed briefly, although further development of the plans will provide information necessary to determine permit applicability.

Mr. Hecht asked about the schedule and level of involvement for the Stream Restoration Sub-group meetings. Mr. Warnock stated that Mr. Robison will need to be involved in determining the Sub-group schedule. The group discussed potentially rescheduling the proposed May 9, 2019 site visit. The RAC decided that May 7, 2019 was mutually convenient and that the purpose of the site visit would be to view the restoration sites. The May 7 site visit will include visits to both restoration sites and the establishment of a schedule for subsequent meetings, calls, etc. The

RAC decided that the site visit to the lake will occur on June 20, 2019 (tentatively) for the purpose of viewing Project structures associated with fish entrainment and Site B for observing amphibian habitat and egg masses.

Tailrace Fish Exclusion Barrier

Mr. Warnock provided an overview of EN's ongoing tailrace monitoring and fish rescue. The RAC discussed expected differences in the results of the fish rescue this year due to the change in the Project annual maintenance outage schedule. At next year's annual Resource Coordination meeting, the RAC will review results of the 2019 fish rescue effort associated with the planned annual maintenance outage. EN introduced the potential for implementing a pilot program in an out-year where the barrier screens would be lifted to explore the potential for allowing volitional fish movement and committing to conducting annual outage rescues for the duration of the new license. The group agreed to further dialogue on this topic over the coming year.

Packwood Lake Tributary Headcutting Monitoring Plan

Mr. Warnock presented an overview of the Packwood Lake Tributary Headcutting Monitoring Plan license requirement. He stated that the RAC will further discuss this topic in 3-4 years when Plan development is in progress.

Water Quality License Articles

Stream Gage Installation on lower Lake Creek – Mr. Sauvageau (MCM) presented an overview of the plans to install a stream gage on lower Lake Creek. Mr. Sauvageau stated that a draft stream gage and monitoring plan has been circulated to the RAC for review. Gage installation is planned for April or May 2019. Ms. Miller asked if the gage data will be provided to USGS. Mr. Sauvageau responded that the gage is primarily in place to ensure ramping compliance, although EN will also utilize the data to confirm stage and discharge in lower Lake Creek. The USGS requirements for stream gage data publication and NWIS database integration would result in additional quality control procedures including survey-grade geo-referencing, inter-basin hydrographic comparisons and assessment of all discharge computations. As a result, EN does not plan to submit the Lake Creek gage data to the USGS for publication. EN has spoken with USGS to assist with gage calibration and confirmation that EN's plan to install and operate the gage is in accordance with USGS protocols. Ms. Miller confirmed that installing scientific equipment (in this case, the stream gage) using hand tools as EN plans does not require a permit.

Tailrace Water Temperature Monitoring Plan – Mr. Sauvageau presented an overview of the Tailrace Water Temperature Monitoring Plan. Ms. Carol Serdar (WDOE) stated that the map EN provided in the attachment to the Project's 401 Water Quality Certification is not adequate for illustrating the monitoring locations and that a modified GoogleEarth Map would be a better option. Mr. Sauvageau discussed that two of the monitoring locations presented in the Plan may not be feasible due to changes in the Cowlitz riverbed since the Plan was developed. These two site locations may need to be adjusted in consultation with the RAC. EN does not anticipate that permits will be required to install temperature loggers. Ms. Serdar asked that EN provide a Water Quality Attainment Plan shortly after the end of year 3 of monitoring if temperature criteria in the Project's 401 Water Quality Certification are not met. For clarification, Ms. Serdar stated the Water Quality Attainment Plan would summarize Project infrastructural changes in an attempt to meet water temperature criteria. Ms. Serdar stated that WDOE will require changes to the Tailrace Water Temperature Monitoring Plan and inquired about how those changes will be reported to FERC. Mr. Warnock responded EN will file any changes to the Plan with FERC. Ms. Serdar asked about the review period for the annual Tailrace Water Temperature Monitoring Report and stated that she needs a minimum of 60 days of review time per the Project's 401 Water Quality

Certification. The review period was discussed, and EN agreed to send the Report to the RAC at least 30 days in advance of the annual Resource Coordination meeting, and also allow an additional 30 days of review time following the meeting, in order to meet the 60-day review period requirement.

Annual Resource Coordination Report and Review Timeline:

The RAC discussed the proposed revisions to the annual report distribution and review timeline and agreed on the following schedule:

- 45 days prior to the annual Resource Coordination meeting, EN will circulate the draft annual report to the RAC for a 30-day review period. Written comments will be due at the end of the 30-day review period.
- During the 15 days prior to the annual Resource Coordination meeting, EN will prepare a Summary of Agency Comments (comment summary) document for all comments received and proposed revisions.
- The comment summary will be reviewed with the RAC during the annual Resource Coordination meeting.
- As soon as practicable after the meeting, EN will revise the annual report and then re-circulate the revised annual report for an additional 30-day review period.
- The final annual report will be submitted to FERC by June 1.
- The group also discussed the advantages of staggering individual data reports (which will be appendices of the annual report) so that not all agency review happens at the same time.
- Comments on any individual data reports submitted in advance of the 45-day period prior to the Resource Coordination meeting would still be due 15 days prior to the Resource Coordination meeting.

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Meeting Conclusion

The RAC reviewed the Gantt chart that provided an overview of planned activities for the upcoming year.

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The meeting adjourned at approximately 3:00pm.

Packwood Lake Hydroelectric Project (FERC No. 2244)
1st Annual Resource Coordination Meeting
Thursday, March 28, 2019
Washington PUD Association Building, 212 Union Ave SE, Olympia, WA 98501
8:30am to 4:00pm

Meeting Attendees

John Jakubowski – U.S. Forest Service (USFS)
Ruth Tracy – U.S. Forest Service (USFS)
Kevin Flores – U.S. Forest Service (USFS)
Brad Kriekhaus – U.S. Forest Service (USFS)
Ken Wieman – U.S. Forest Service (USFS)
Scott Hecht – NOAA/NMFS (NMFS)
Michelle Day – NOAA/NMFS (NMFS)
Peggy Miller – Washington Department of Fish and Wildlife (WDFW)
Carol Serdar – Washington Department of Ecology (WDOE)
Cory Warnock – McMillen Jacobs Associates (MCM)
Chuck Sauvageau – McMillen Jacobs Associates (MCM)
Laura Johnson – McMillen Jacobs Associates (MCM)
Corey O'Donnell – Energy Northwest (EN)
Ken Williams – Energy Northwest (EN)
Bill Kiel – Energy Northwest (EN)
Audrey Desserault – Energy Northwest (EN)

Introductions and Agenda

Shortly after 8:30am, Mr. Cory Warnock (MCM) provided an overview of the meeting topics and logistics. The meeting attendees introduced themselves and stated their role on the Project. The meeting began with the same Project overview presentations that were given on the first day of the meeting, for the benefit of several attendees that were not present on day one. Ken Williams presented an overview of the Project layout, infrastructure, and operations. Mr. Warnock summarized the history of the Project licensing process from the beginning of relicensing in 2004 to the present, including FERC license issuance in October 2018 and ongoing compliance activities. Mr. Warnock mentioned the site visits that have occurred, collaboration with NMFS on BiOp revisions, ongoing work with USFS to revise several Project license 4(e) conditions, and the initiation of permitting discussions with agencies. Mr. Warnock summarized revisions and finalization of Management Plans since license issuance. Mr. Warnock described the history of the Project relicensing that resulted in the development of license 4(e) mandatory conditions to meet the requirements of regulatory agencies instead of a settlement agreement.

Overview of Draft Plan Comments and Proposed Energy Northwest Actions

Mr. Warnock summarized the progress made during the first day of the Resource Coordination meeting including proposed revisions to the Resource Coordination Plan (RCP) that the group discussed.

Ms. Ruth Tracy (USFS) summarized the changes to the RCP that the group agreed on yesterday, including clarifying agency authority within the Plan and changes to text describing the responsibilities of EN and the Resource Agencies Committee (RAC).

Mr. Warnock stated that RAC members were welcome to provide comments on plans either verbally or in writing. Mr. Brad Kriekhaus (USFS) provided several overview thoughts on the Integrated Weed Management Plan and Rare Plant Management Plan and stated that he'd be reviewing the restoration plans when they are distributed for review.

Snyder Creek Re-Route Plan

Mr. Warnock and Mr. Ken Williams (EN) summarized the proposed Snyder Creek re-route plan and showed the general plan on the Project layout map. The RAC discussed that the beginning of the proposed re-route project will begin on USFS land. Downstream, re-route project location land is owned by EN and private landowners. Ms. Michelle Day (NMFS) asked if EN had begun communication with the land owners. Mr. Williams stated that he had attended a public meeting in Packwood several weeks prior and had spoken with one of the nearby property owners at the meeting. The other primary private landowner in the vicinity of the re-route project location have not been contacted yet.

Integrated Weed Management Plan

Mr. Scott Hecht (NMFS) provided several general comments regarding the Integrated Weed Management Plan (IWMP). He stated the need to ensure that certain herbicides are prevented from entering the water. Mr. Hecht stated that his branch of NMFS is currently investigating the use of certain pesticides in aquatic areas to evaluate overall harm of the pesticides versus the benefits of managing weeds. NMFS is currently revising their Lower Columbia Habitat Improvement Plan with Bonneville Power Administration (BPA) and several sections of that document are potentially relevant to this project, specifically the section that discusses Best Management Practices (BMPs) for work in freshwater environments. Mr. Hecht stated that NMFS has general BMPs and works with agencies to recommend specific BMPs that are appropriate for various projects. Mr. Hecht said that NMFS approves aquatic formulations of pesticides for use in projects. Mr. Hecht offered to provide BMPs from other projects that EN can use to compare the IWMP protocols with NMFS-recommended BMPs.

Ms. Peggy Miller (WDFW) stated that herbicide use is not regulated by the Project's 401 Water Quality Certification, but specific pesticides approved for use would be listed in the Hydraulic Project Approval (HPA).

Mr. Warnock provided an overview of the IWMP process and timeline. Mr. Warnock stated that EN will provide BMPs as part of the IWMP and inquired as to what permits will be required for IWMP implementation. Ms. Tracy stated that USFS pays Lewis County to treat weeds on USFS land. Mr. Kriekhaus said that he is not aware of any permit required for IWMP implementation, but the personnel applying herbicides should be certified for herbicide application in the state. Also, USFS will likely want to form an agreement with EN to obtain data from the implementation of the IWMP. A Pesticide Use Plan (PUP) is required by USFS and will be reviewed and approved by the USFS region. Ms. Day stated that EN should have NMFS's approval of the Plan due to the BiOp. There is no permit required from NMFS but approval is required per the BiOp. Mr. Hecht asked EN to include a table showing BMPs in the Plan, and NMFS would approve the Plan based on the inclusion of the appropriate BMPs. Mr. Hecht offered to provide NMFS' standard BMPs for other weed management plan development processes the agency had been involved in.

Historic Properties Management Plan

Mr. Kevin Flores (USFS) provided general comments on the Historic Properties Management Plan (HPMP) and stated that the plan generally looked good. He said he would like more

information about plans for monitoring associated with the HPMP. Mr. Warnock stated that monitoring would be covered in more detail during the afternoon portion of the RAC meeting.

Threatened and Endangered Species/Rare Plants Monitoring Plan

Mr. Warnock stated that EN will be developing a Threatened, Endangered and Sensitive (TES) Plan within the first year of the license, per the Project license requirements.

Mr. Warnock provided an overview of rare plant survey schedules as specified in the Rare Plant Management Plan. Mr. Warnock stated that Katy Beck will be conducting rare plant surveys and that USFS personnel are welcome to accompany her during surveys if desired.

Amphibian Monitoring

Mr. Warnock and Mr. Williams provided an overview of Site B and the potential need for amphibian monitoring in conjunction with operational lake level changes. Ms. Tracy stated that the wetlands at Site B are highly influenced by the tributaries flowing into Packwood Lake. Mr. Warnock suggested that after the first year of amphibian monitoring, the RAC should discuss the monitoring results and potentially modify plans for future monitoring. Mr. Bill Kiel (EN) provided some information about the operational lake level at different times of the year and pointed out that conducting the survey near the September 16 timeframe may not be ideal for amphibian monitoring. In mid-September, the lake level would be higher than at other times during the year due to the required summer operational lake level. Ms. Tracy stated that since it has been approximately 10 years since the site was assessed it would be a good idea to revisit the site several times during the spring to see how it may have changed over time. The results of these visits may inform the need for future monitoring. Ms. Miller stated that a Scientific Collection Permit (SCP) may be needed to conduct the amphibian monitoring.

Avian Protection Plan

Mr. Warnock provided an overview of avian protection improvements that EN has made and subsequent revisions to the Avian Protection Plan (APP) that occurred as a result of replacing non-compliant power poles. The APP requires visual observations and annual reporting. Mr. John Jakubowski (USFS) provided background information on the number of bald eagle nests the USFS observes in the region during their surveys each winter.

Cultural Resources

Mr. Warnock provided a brief overview of Project activities related to cultural resources. EN will coordinate with USFS during HPMP implementation.

Recreation

Mr. Williams provided an overview of Recreation Management Plan implementation per the Project license. EN and Ms. Miller discussed the type of fishing that is allowed at Packwood Lake, which includes rainbow trout fishing year-round. EN suggested that WDFW provide information for the planned kiosk at the lake regarding fishing opportunities and restrictions. Mr. Jakubowski asked if crayfish trapping at the lake occurs, and anecdotally, EN is not aware of any crayfish trapping activities. Mr. Jakubowski stated that crayfish trapping sometimes results in additional garbage at trapping locations. The RAC discussed potentially placing information on the kiosk requesting that crayfish trappers pack out any bait or other garbage.

Resource Coordination Plan

Mr. Warnock provided a brief overview of the Resource Coordination Plan. Ms. Miller asked about the timeline for finalizing the Plan. Mr. Warnock responded that the deadline to submit the final Plan is in October (within 1 year of license issuance) but EN would prefer to be proactive and finalize the Plan ahead of the deadline.

Project License Article Review

Lake Creek Stream Restoration Plan

Mr. Warnock provided an overview of the upcoming Lower Lake Creek restoration effort. Mr. Warnock stated that Dr. George Robison (MCM) has expertise in developing these types of restoration plans and will lead a Stream Restoration Sub-group to oversee the Lake Creek Stream Restoration Plan and implementation. A series of site visits, meetings, and calls will occur while the Plan is drafted and revised. Implementation of the Plan will occur in years 3-5 of the new license (2021-2023). There will be a series of public meetings in the Packwood area to inform the public about EN's restoration plans. Initial interactions that have occurred with the public have been positive. The Packwood Trail Association is proposing a new hiking and biking trail in the Packwood Lake vicinity, and EN has been coordinating with that group regarding the restoration plans. The proposed trail is designed to provide an easier hike than some of the existing hiking trails in the area and will cross Lake Creek on the ridge, upstream of the restoration site.

Snyder Creek Re-Route Plan

Mr. Warnock provided an overview of the Project license requirement to re-route Snyder Creek to join Hall Creek downstream of the Project tailrace flume.

Stream Restoration Sub-Group

The Stream Restoration Sub-Group will oversee the development and implementation of both the Lower Lake Creek Restoration Plan and the Snyder Creek Re-Route Plan. Mr. Williams stated that EN has been considering the advantages of conducting the two restoration efforts in series rather than in parallel, in order to capture and utilize lessons learned along the way and to use resources effectively. Also, this will allow EN and the agencies to focus on one effort at a time. The RAC proceeded to discuss the restoration timeline and the pros and cons of conducting the efforts in series. Mr. Warnock laid out a potential timeline and indicated that two additional years would need to be added to the end of the timeline (7 years to implement both restoration projects). The RAC discussed the benefits of each project from a habitat perspective and prioritization of the two efforts. Mr. Hecht stated that NMFS prefers that the restoration project with higher productivity first be implemented first. It was mentioned that NEPA and SEPA processes will be required for both restoration projects. The permitting process was discussed briefly, although further development of the plans will provide information necessary to determine permit applicability.

Mr. Hecht asked about the schedule and level of involvement for the Stream Restoration Sub-group meetings. Mr. Warnock stated that Mr. Robison will need to be involved in determining the Sub-group schedule. The group discussed potentially rescheduling the proposed May 9, 2019 site visit. The RAC decided that May 7, 2019 was mutually convenient and that the purpose of the site visit would be to view the restoration sites. The May 7 site visit will include visits to both restoration sites and the establishment of a schedule for subsequent meetings, calls, etc. The

RAC decided that the site visit to the lake will occur on June 20, 2019 (tentatively) for the purpose of viewing Project structures associated with fish entrainment and Site B for observing amphibian habitat and egg masses.

Tailrace Fish Exclusion Barrier

Mr. Warnock provided an overview of EN's ongoing tailrace monitoring and fish rescue. The RAC discussed expected differences in the results of the fish rescue this year due to the change in the Project annual maintenance outage schedule. At next year's annual Resource Coordination meeting, the RAC will review results of the 2019 fish rescue effort associated with the planned annual maintenance outage. EN introduced the potential for implementing a pilot program in an out-year where the barrier screens would be lifted to explore the potential for allowing volitional fish movement and committing to conducting annual outage rescues for the duration of the new license. The group agreed to further dialogue on this topic over the coming year.

Packwood Lake Tributary Headcutting Monitoring Plan

Mr. Warnock presented an overview of the Packwood Lake Tributary Headcutting Monitoring Plan license requirement. He stated that the RAC will further discuss this topic in 3-4 years when Plan development is in progress.

Water Quality License Articles

Stream Gage Installation on lower Lake Creek – Mr. Sauvageau (MCM) presented an overview of the plans to install a stream gage on lower Lake Creek. Mr. Sauvageau stated that a draft stream gage and monitoring plan has been circulated to the RAC for review. Gage installation is planned for April or May 2019. Ms. Miller asked if the gage data will be provided to USGS. Mr. Sauvageau responded that the gage is primarily in place to ensure ramping compliance, although EN will also utilize the data to confirm stage and discharge in lower Lake Creek. The USGS requirements for stream gage data publication and NWIS database integration would result in additional quality control procedures including survey-grade geo-referencing, inter-basin hydrographic comparisons and assessment of all discharge computations. As a result, EN does not plan to submit the Lake Creek gage data to the USGS for publication. EN has spoken with USGS to assist with gage calibration and confirmation that EN's plan to install and operate the gage is in accordance with USGS protocols. Ms. Miller confirmed that installing scientific equipment (in this case, the stream gage) using hand tools as EN plans does not require a permit.

Tailrace Water Temperature Monitoring Plan – Mr. Sauvageau presented an overview of the Tailrace Water Temperature Monitoring Plan. Ms. Carol Serdar (WDOE) stated that the map EN provided in the attachment to the Project's 401 Water Quality Certification is not adequate for illustrating the monitoring locations and that a modified GoogleEarth Map would be a better option. Mr. Sauvageau discussed that two of the monitoring locations presented in the Plan may not be feasible due to changes in the Cowlitz riverbed since the Plan was developed. These two site locations may need to be adjusted in consultation with the RAC. EN does not anticipate that permits will be required to install temperature loggers. Ms. Serdar asked that EN provide a Water Quality Attainment Plan shortly after the end of year 3 of monitoring if temperature criteria in the Project's 401 Water Quality Certification are not met. For clarification, Ms. Serdar stated the Water Quality Attainment Plan would summarize Project infrastructural changes in an attempt to meet water temperature criteria. Ms. Serdar stated that WDOE will require changes to the Tailrace Water Temperature Monitoring Plan and inquired about how those changes will be reported to FERC. Mr. Warnock responded EN will file any changes to the Plan with FERC. Ms. Serdar asked about the review period for the annual Tailrace Water Temperature Monitoring Report and stated that she needs a minimum of 60 days of review time per the Project's 401 Water Quality

Certification. The review period was discussed, and EN agreed to send the Report to the RAC at least 30 days in advance of the annual Resource Coordination meeting, and also allow an additional 30 days of review time following the meeting, in order to meet the 60-day review period requirement.

Annual Resource Coordination Report and Review Timeline:

The RAC discussed the proposed revisions to the annual report distribution and review timeline and agreed on the following schedule:

- 45 days prior to the annual Resource Coordination meeting, EN will circulate the draft annual report to the RAC for a 30-day review period. Written comments will be due at the end of the 30-day review period.
- During the 15 days prior to the annual Resource Coordination meeting, EN will prepare a Summary of Agency Comments (comment summary) document for all comments received and proposed revisions.
- The comment summary will be reviewed with the RAC during the annual Resource Coordination meeting.
- As soon as practicable after the meeting, EN will revise the annual report and then re-circulate the revised annual report for an additional 30-day review period.
- The final annual report will be submitted to FERC by June 1.
- The group also discussed the advantages of staggering individual data reports (which will be appendices of the annual report) so that not all agency review happens at the same time.
- Comments on any individual data reports submitted in advance of the 45-day period prior to the Resource Coordination meeting would still be due 15 days prior to the Resource Coordination meeting.

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