

**Lewis River Hydroelectric Projects
Terrestrial Coordination Committee (TCC)
Meeting Agenda**

Date & Time: **Wednesday, March 14, 2018
9:00 a.m. – 2:00 p.m.**

Place: **Woodland Police Department
200 East Scott Avenue
Woodland, WA**

Contacts: **Kendel Emmerson (503) 813-6040; cell 503-703-7734**

| Time | Discussion Item |
|------------|---|
| 9:00 a.m. | Welcome <ul style="list-style-type: none"> ➤ Review Agenda & 2/7/18 Meeting Notes ➤ Review and Accept November Agenda & 2/7/18 Meeting Notes |
| 9:15 a.m. | Eagle Cliff Trail; License Amendment Application |
| 9:30 a.m. | Review Potential TCC Meeting Schedule through June |
| 9:45 a.m. | Additional Harvest area in Unit 15 |
| 10:00 a.m. | Review Land Acquisition Update (Confidential) |
| 10:30 a.m. | Safety ¹ Orientation for Field Tour |
| 10:45 a.m. | Depart for Field Tour <ul style="list-style-type: none"> ➤ Unit 1 (Unit next to HCC on Cowlitz County side) to review 2017 timber harvest areas and proposed Road Use Permit areas by the DNR. |
| 2:00 p.m. | Next Meeting's Agenda <ul style="list-style-type: none"> ➤ Note: all meeting notes and the meeting schedule can be located at: http://www.pacificorp.com/es/hydro.html |

¹ Please bring rain gear and sturdy walking shoes for hiking in the forest. No hard hats needed for this tour. PacifiCorp will have 2 vehicles for transportation of up to 4 additional passengers.

Join by Phone

- +1 (503) 813-5252 [Portland, Ore.]
- +1 (801) 220-5252 [Salt Lake City, Utah]
- +1 (855) 499-5252 [Toll Free]

Conference ID: 5847894

PLEASE BRING LUNCH

FINAL Meeting Notes
Lewis River License Implementation
Terrestrial Coordination Committee (TCC) Meeting
March 14, 2018
Woodland Police Station & Field Tour

TCC Participants Present: (9)

Bill Richardson, RMEF
 Ray Croswell, RMEF
 Kendel Emmerson, PacifiCorp
 Summer Peterman, PacifiCorp
 Kim McCune, PacifiCorp
 Amanda Froberg, Cowlitz PUD
 Peggy Miller, WDFW
 Eric Holman, WDFW
 Erik White, Cowlitz Indian Tribe

Calendar:

| | | |
|----------------|--------------------|---|
| April 11, 2017 | TCC Meeting & Tour | Park and Ride Parking Lot Woodland, WA |
|----------------|--------------------|---|

| Assignments from March 14, 2018 | Status |
|--|---------------------------|
| Emmerson: Create high-country model of big elk use areas and a 10-15 year plan for silviculture management for TCC review. | |
| Emmerson: Get back to PacifiCorp staff and review use of the Cougar quarry as a better site for the ash disposal. | Complete – 4/11/18 |

| Assignments from February 7, 2018 | Status |
|---|-----------------|
| Froberg: Schedule with the TCC to attend the Devil’s Backbone planning meeting; May 2018. | Complete |

| Assignments from October 11, 2017 | Status |
|---|--------------------|
| Emmerson: To develop a hunting access map for PacifiCorp website that shows closed or restricted hunting areas, roads, and gates. | In progress |

| Parking Lot Items | Status |
|--|---|
| WDFW: In regards to 10.3.3, Matching Funds Eagle Island Project the TCC would like a 1-2-page progress report of project status with photos after the grant term expires (12-31-2017). | Provided status update as of 11/8/17 |
| Emmerson/McCune: Contact PacifiCorp’s properties department to discuss further TNC detail and report to the TCC at the May meeting. | In progress |
| Reynolds: Schedule a conference call with appropriate parties specific to the TNC Conservation Easement. | In progress |

Kendel Emmerson (PacifiCorp) called the meeting to order at 9:00am. Emmerson reviewed the agenda and asked the TCC if there were any changes/additions. Emmerson will add an update on the Unit 36 ash deposit area and the WHMP 2018 Plan comments.

The TCC reviewed the February 7, 2018 meeting notes and no changes were requested. The meeting notes are approved without change at 9:05 a.m.

Public Comment Opportunity:

None

Eagle Cliff Trail; License Amendment Application

Kim McCune (PacifiCorp) communicated to the ACC attendees that PacifiCorp prepared an amendment application to the Lewis River license that would eliminate FERC license Article 406, a provision requiring PacifiCorp to plan and construct the Eagle Cliff Park Trail. Below is a synopsis of the details the ACC, TCC and Settlement Agreement Authorized Representatives received via email March 9, 2018 for a 60-day review and comment period. Comments will be due by close of business May 8, 2018. PacifiCorp provided both a PDF of the draft Amendment and the following link to the Lewis River website:

http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Hydro/Hydro_Licensing/Lewis_River/sad/03092018_Swift_1_Lic_Amend_DRAFT.pdf

In accordance with Article 406 PacifiCorp was to pursue building a trail at Eagle Cliff that connects with a larger trail system.

- PacifiCorp completed a feasibility study that identified three trail alternatives.
- Concerns expressed by the agencies (specifically USFW and WDFW) was that the trail was located by a major bull trout holding area, increased fishing pressure from the public, and disturbance to other wildlife. Consensus was not to build the trail.
- In response to the information, FERC noted PacifiCorp should seek a formal amendment to the License removing this specific license article.
- PacifiCorp prepared an amendment application and provided it to parties to the Lewis River Settlement Agreement for review and input. **No comment back to PacifiCorp means approval to proceed with the application to remove the requirement from the License.**

Review potential TCC Meeting Schedule through June 2018

- April 11, 2018 – Tour Unit 14 and proposed harvest areas in Unit 15 to include a potential additional harvest not yet called out in Unit 15. Joe Berry (Chilton Logging) will be attending to address any TCC questions.
- May 9, 2018 - Tour Devil's Backbone and Unit 34 and other high country sites, if weather permits.
- June 13, 2018 - Tour Units 7 & 8.

Discuss Additional Harvest Area in Unit 15

Emmerson informed the TCC attendees that PacifiCorp would like to propose an additional harvest in Unit 15 (see [Attachment A](#)). HIGSLY 1 (11.80ac) is over-stocked and not thinned and HIGSLY 2 is a 6.19ac alder stand. If we complete the harvest in all of Unit 15, we will be at our recommended

cover forage ratio for Management Unit 15. In addition, there is massive ATV trespass, primarily the landowner to the East. Salmon berry and sword fern make up the understory. If Higsly 1 is not thinned, it will remain as extremely tall skinny trees, but if we do a light commercial thinning we can add some additional diameter and provide some sunlight to the forest floor. Goshawk surveys were conducted in 2017 and be easily completed in 2018. Joe Berry (Chilton Logging) will flag potential thinning options within the riparian buffers, so the TCC can see onsite. PacifiCorp will not be logging to the property line as we are trying to prevent further trespass access. Slash and rock will be added at the trespass areas. Old trails will be removed so new trails can be easily identified.

The TCC attendees thought Unit 15 appeared to be functioning habitat and may want to use the WHMP funds for other areas and leave Unit 15 as is for now. More discussion will take place during the April 11, 2018 TCC tour of Unit 15 before a decision is made.

Unit 36 Ash Deposit – Attachment B

Since Mt. St. Helens eruption PacifiCorp has pulled massive debris from the Swift Reservoir each year. All logs are removed and sorted in a fenced area near Swift Reservoir boat launch. Each year there is a massive pile of wood debris that is not used for habitat, merchantable timber, or hog fuel that needs to be burned in the winter. This has occurred for about 10 years and the result is several feet of ash that is making the area inoperable. All of this ash needs to be removed and it is estimated that it would be 1500 yd³ or 150 truckloads of ash debris.

To reduce the haul cost PacifiCorp is searching for a company-owned area, which is in close proximity to deposit the ash. The closest potential site is an open area in Unit 36 just south of the FS 90 road (see attachment B). The public has used this area for camping and a dumpsite in the past, until PacifiCorp posted camping prohibited signs and placed slash at the opening to block vehicle access. The total area is approximately 0.3 acres and if used as the deposit site, is expected to be covered with 4 feet of ash debris. This site is located within 300 feet of Marble Creek, which is within the WHMP buffer for the fish-bearing stream, therefore a small 1-2 foot berm would be created with onsite materials to prevent runoff, and the pile would be contoured to natural slope and seeded or planted with trees. A few red alder trees would need to be removed some within the stream buffer. The work would likely occur in April or May. PacifiCorp is coordinating with the Washington Department of Ecology, but there is no clear guidance on ash disposal. WDOE would like to comment once PacifiCorp proposes a location.

TCC concerns and recommendations were around run-off and leaching. It was suggested that a geotechnical survey and a perk test be completed to determine the leaching potential. TCC requested to know what would be the difference in cost between trucking to this location versus an offsite disposal area. The WHMP lands primary purpose is to provide habitat, not disposal areas to reduce costs. Emmerson mentioned a second option is Cougar Quarry, which is already exposed site and not within a stream buffer.

Cowlitz PUD Review of 2018 Wildlife Habitat Management Plan (WHMP)

Amanda Froberg (Cowlitz PUD) requested clarification from the TCC as to their long-term goals and objectives of the Devil's Backbone Patch Cut and how to spend the WHMP funds going forward. The TCC agreed to the following:

- Manage conifers to minimize regeneration and encroachment
- Invasive species control

- Unmanaged style of meadows
- Keep deferring 35% of the annual payment to the timber management fund
- Maintain opening and rebuild timber management fund for future management actions

PacifiCorp Review of 2018 Wildlife Habitat Management Plan (WHMP)

Emmerson informed the TCC attendees that comments were received from WDFW and John Clapp (Citizens at-Large), see [Attachment C](#).

WDFW and John Clapp concurs including a substantial amount of deciduous trees in the mix. In addition, as a long term goal to strive for a broader application of deciduous trees in the species mix to be planted at lower elevation sites near Merwin and Yale. This would increase stand diversity at the landscape scale. The TCC recommended considering red alder, cherry, bigleaf maple and cascara. Emmerson noted that this is possible but important to note that the container seedling is approximately \$3.00 each as compared to .65 for conifer plug. Other comments and considerations included:

- Now that we have acquired over hundreds of acres recently harvested lands what will this mean in 8-15 years when these areas need to be pre-commercially thinned and pruned how will that effect our WHMP budget. Emmerson remarked that she has considered this and needs to identify which areas are suitable vs less suitable elk habitat. WHMP forestry habitat management will be applied to the more suitable elk areas and less suitable areas will managed with more traditional forestry practices. This will something to discuss on site in the May meeting.
- There will be more need for commercial thinning around Merwin and Yale as the clear cuts of the 80's mature. This is generally only cost-effective if combined with clear-cut harvest in the adjacent area. How can meet this objective and meet cover:forage recommendations.

Land Acquisition Update (CONFIDENTIAL)

- Appraisal is needed
- Landowner permission was granted to enter property
- Start staging in August 2018 for appraisal this Fall
- Scope of work is needed

Additional detail around this topic is considered confidential and proprietary and not for public viewing.

National Hydropower Associations

PacifiCorp received an Outstanding Stewards of American Water's (OSAW) award based on the collaborative efforts with stakeholders to complete the 2017 acquisition.

Agenda items for April 11, 2018

- Review March 14, 2018 Meeting Notes
- Land Acquisition Update (Confidential)
- Units 14 & 15 Field Tour
- Study/Work Product Updates

Next Scheduled Meeting

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|---|
| April 11, 2018 |
| Location: Park and Ride Parking Lot Woodland, WA |

Attachments:

- March 14, 2018 Meeting Agenda
- **Attachment A** – WHMP Unit 15 Additional Proposed Harvest Areas (HIGSLY 1 & 2)
- **Attachment B** – Images of Ash Deposit Area (approx.. .03 acres)
- **Attachment C** – WHMP Unit 1 2017 Complete Harvest Areas
- **Attachment D** – 2018 Annual Plan TCC comments

Tour Safety Briefing

Emmerson informed the TCC tour attendees that we are headed up to Unit 1 2017 clear-cut and commercial thin. There could be timber cutting on site, there are tripping hazards, and the forest roads are very rough.

Unit 1 Field Tour 10:45am – pictures included at the end of these meeting notes

Depart for Unit 1 (Unit next to HCC on Cowlitz County side) to review 2017 timber harvest areas and proposed Road Use Permit areas by the DNR (**Attachment D**). Unit 1 cover:forage ratio goal is 50:50 and prior to the timber harvest the cover forage was 68:32 and currently 57:43.

Skull Candy 170112CC (23.9 acres)

- Prior vegetation cover type was about 11 acres of mid-successional conifer thinned that was thinned in the 1980's and 13.5 acres of mid-successional conifer.
- 187 leave trees total and recently topped 14
- Special management areas included hardwoods, shrubs and placed to break up line-of-sight
- Slash to block ATV trespass.

Beats 170111CC (4.97 acres)

- Prior vegetation cover type was mid-successional conifer
- Laminated root rot in the northwest corner. This area will be planted with pines hardwoods and cedar.
- Snag tree removal for access road.

Bose 170107 CT (7.24 acres)

- 1984 clear cut timber harvest
- Variable density thinning to 30-50% with an average of 40%
- TPA 230 to 55
- Retained a small shrub area



Unit 1 – Proposed DNR Access Road



Unit 1 – Skull Candy Completed Harvest Area



Unit 1 – Skull Candy Completed Harvest Area



Unit 1 – Wall of Slash



Unit 1 – Snag Tree



Unit 1 – Beats Clearcut



Unit 1 – Beats Clearcut



Unit 1 – Road through Bose Thin



Unit 1 –Bose Thin

