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

Date & Time:  Wednesday, March 8, 2017
9:00 a.m. – 3:00 p.m.

Place:   Merwin Hydro Control Center & Field Tour
105 Merwin Village Court
Ariel, WA 98603

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Discussion Item</th>
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<tbody>
<tr>
<td>9:00 a.m.</td>
<td>Welcome</td>
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<tr>
<td></td>
<td>➢ Review Agenda &amp; 2/8/17 Meeting Notes</td>
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<td>➢ Comment &amp; accept Agenda &amp; 2/8/17 Meeting Notes</td>
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<tr>
<td>9:15 a.m.</td>
<td>PacifiCorp WHMP 2017 Plan; 30-day review</td>
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<td>9:45 a.m.</td>
<td>➢ 2017 Annual Plan Review</td>
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<td>➢ Land acquisition update (CONFIDENTIAL)</td>
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<tr>
<td>10:00 a.m.</td>
<td>Safety¹ orientation for Field Tour</td>
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<td>10:10 a.m.</td>
<td>Break</td>
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<td>10:20 a.m.</td>
<td>Depart for Field Tour – Unit 7 2016 and 2017 timber harvest areas and Unit 8 timber harvest areas. If time allows may also visit 2017 timber harvests area in Unit 1.</td>
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<td>2:45 a.m.</td>
<td>Next Meeting’s Agenda</td>
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<td>➢ Note: all meeting notes and the meeting schedule can be located at:</td>
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<td><a href="http://www.pacificorp.com/es/hydro.html">http://www.pacificorp.com/es/hydro.html</a></td>
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<tr>
<td>3:00 p.m.</td>
<td>Meeting adjourn</td>
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¹ Please bring rain gear and sturdy walking shoes for hiking in the forest. 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: 20999027

PLEASE BRING LUNCH
TCC Participants Present: (8)
Ray Croswell, RMEF
Bill Richardson, RMEF
Kendel Emmerson, PacifiCorp
Kim McCune, PacifiCorp
Summer Peterman, PacifiCorp
Eric Holman, WDFW
Amanda Froberg, Cowlitz PUD
Erik White, Cowlitz Indian Tribe

Calendar:

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>April 12, 2017</td>
<td>TCC Meeting</td>
<td>HCC</td>
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Assignments from March 8, 2017

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Status</th>
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<tbody>
<tr>
<td>None</td>
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Assignments from February 8, 2017

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Status</th>
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<tbody>
<tr>
<td>Emmerson: Schedule a TCC tour of Unit 1 the TCC can choose the three snag trees.</td>
<td>Complete – 4/12/17</td>
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Assignments from July 13, 2016

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<thead>
<tr>
<th>Assignment</th>
<th>Status</th>
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<tr>
<td>Emmerson: Report back to the TCC regarding status of the Property Encroachment Permit and Shoreline Permit Application.</td>
<td>Pending</td>
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Assignments from March 9, 2016

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<tr>
<th>Assignment</th>
<th>Status</th>
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<td>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).</td>
<td>Provided status update as of 3/8/17</td>
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Kendel Emmerson (PacifiCorp) called the meeting to order at 9:10am. Emmerson reviewed the agenda and asked the TCC if there were any changes/additions. Kim McCune (PacifiCorp) will provide a status update as provided by Daren Hauswald (WDFW) February 24, 2017 for the Matching Funds Eagle Island project. Emmerson reviewed the TCC February 8, 2017 Meeting Notes which were approved at 9:15am without change.

Public Comment Opportunity:
None
PacifiCorp WHMP 2017 Annual Plan Review
The TCC attendees were reminded that the 30-day review was provided March 3, 2017. Comments are requested by April 2, 2017. The electronic document can be viewed at the following link:

http://www.pacificorp.com/es/hydro/hl/lr.html#
- License Implementation
- Reports
- 2016 ACC/TCC Annual Report
- Attachment L: WHMP 2017 Annual Plan

Emmerson provided a cursory review to include the following:
- Noted that she neglected to include Osprey Meadow 2017 activity in Section 10 of the WHMP Plan but she will add it into Section 10.0 of the 30-day review document.
- Page 9 calls out the restoration management actions for Upper and Lower Hanley-Curry Meadows, however, PacifiCorp just learned two weeks ago that the Dept. of Natural Resources (DNR) has a 40’ right-of-way road easement secured in 2003, and they plan to harvest 2M board feet in 2018 over freshly established meadows. PacifiCorp may postpone its meadow restoration activities until after 2018. PacifiCorp requested a copy of the easement that DNR is using. Cultural surveys are required so PacifiCorp will discuss a cost share arrangement with DNR. PacifiCorp can do the visual screen plantings now and may be able to conduct Lower Hanley-Curry restoration this year. PacifiCorp could add shrub islands now in Upper Hanley-Curry depending DNR’s road and timber sale layout.

Land Acquisition Update
This topic is considered confidential and proprietary and not for public viewing. The TCC agreed with sellers approval of option provided March 7, 2017. The TCC further agreed to pursue other additional land acquisition options in the Lewis River basin.

SA 10.3.3 Matching Funds: Eagle Island Project Update
McCune informed the TCC of the following update as provided by Daren Hauswald (WDFW) February 24, 2017:
- Completed the aerial spraying in late June 2016.
- The aerial application was a success and provided a very good rate of control on the scotch broom. Some off target trees were sprayed, but most I think survived.
- WDFW is pursuing other funding for the project to get the scotch broom mowed.
- WDFW applied for State Migratory Bird Stamp funding. Will not know the outcome of this until late May or early June, 2017. Currently there is enough funding to mow approximately ½ of the scotch broom.
- WDFW planning to have the area mowed in late summer, but no contractor has been hired as of yet.
- WDFW hoping to start the bid process in April or May, 2017.
- WDFW is expecting to start on the HPA process soon.
Tour Safety Briefing
Emmerson informed the TCC tour attendees that cell service is available, the road shoulders are muddy so be very careful driving. There will be slash on the ground so watch for tripping hazards.

There is active slash burning in Osprey Meadow (Unit 7) and heavy equipment in the area. Safety glasses and hard hats must be worn.

Note: Please also see maps provided as Attachments to these meeting notes.

Unit 7 2016 Timber Harvest (Hamm Flat)
In 2016, PacifiCorp proposed an area of approximately 23.2 acres clear-cut and to construct 650 feet of road that can be expanded for future harvest to the north. This stand was mix of Upland Mixed and Mid-Successional conifer (commercially thinned in 1995) vegetation cover types. The harvest area is bordered by a riparian buffer to the west.
The leave trees (Forestland Objective B) was not achieved and this was not discovered until after the logging was completed. This is due to miscommunication and exchange of records between PacifiCorp personnel. Following harvest the total green trees greater than or equal to 15 inches in diameter at breast height (dbh) total 72 conifer trees and 4 hardwoods and snags greater than 20 inches dbh include 3 conifer trees and 2 hardwoods. This totals 81 leave trees, which 104 trees short of the 185 trees required. To ameliorate this, additional habitat logs were placed within the harvest area and harvest boundary was expanded to the edge of riparian and shoreline buffers to provide more reserve trees.
Unit 7 2016 Timber Harvest (Osprey Meadow)
This stand was upland mix stand that had been managed as shrubland under the prior Merwin Standard Operation Procedures. Under the WHMP, this area was reevaluated and was determined it did not meet shrubland vegetation cover type criteria and the area was reclassified as Upland Mix. It was a mix of very large conifer trees, mostly Douglas fir that in the southern half of the harvest area, red alder, and shrubs. Some of the conifer and all of the hardwoods, except for some willows and cherry, found within the THA were harvested. Shrubs were strategically retained to provide screening. This timber harvest area is relatively flat and has good access off the 700 road, so it will be plowed in spring 2017 and grass seeded to provide approximately 4 acre permanent forage area for Unit 7. In order to get a clean burn of slash a shovel is picking up debris and feeding into the burn piles. Followed by cat coming into smooth the top soils and scrap all small debris off the Meadow.
Unit 7 2016 Timber Harvest (Osprey Meadow)

Unit 7 2016 Timber Harvest (Osprey Meadow) – slash burning
Unit 7 2017 Harvest (Hamm Road Root Rot)
A clear-cut harvest of approximately 1.0 acre in size is proposed in a stand of pole conifer vegetation cover type. The stand is located off the 700 road and is within the original boundary of the timber harvest areas 880756CC. Most of the trees are Douglas-fir and this timber harvest is to control laminated root rot. It is unlikely that the 8 trees per acre of leave trees will achieved within the harvest area, but may be retained east of the 700 road and THA 050771CC.

Unit 7 - Proposed tree harvest to remove diseased trees along 700 road

Unit 7 – Western red cedar and western white pine plantation in THA 050771CC
**Unit 8 2017 Harvest**
Management Unit 8 is a total of 779.7 acres and includes Cresap Campground and the area to the north and west of Cresap Creek. No forest management has occurred under the Lewis River WHMP. There are no Northern Spotted Owl 1.8 mile radius management circles within Management Unit 8.

![Unit 8 2017 Harvest (Manitch)](image)

**Manitch - 13.99 acres**
This is a clear-cut harvest in mid-successional thinned conifer that was commercially thinned in 1998. The timber harvest is adjacent to Woodpecker Wetland to the south. The wetland is buffer width is equal to one site potential tree, which is greater than 100 feet, and has been expanded to include a pocket of red alders and snags. The stand has options for leave areas and a nice topographical break between the property line and harvest. In 2016, the property line was surveyed and determined up to 80 feet to the east. When Manitch is planted the area that has been cleared along the property line will be replanted. The existing 830 road will be relocated to improve drainage and approach issues. The stand has several options for leave trees and snags.

*<1:00pm Meeting Adjourned>*

**Agenda items for April 12, 2017**

- Review March 8, 2017 Meeting Notes
- Field Tour – Unit 1
- Project Updates
- Land Acquisition Update (CONFIDENTIAL)
Next Scheduled Meeting

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<td>Location: HCC &amp; Field Tour</td>
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Attachments:

- March 8, 2017 Meeting Agenda
- **Attachment A** – Map of Unit 7 Hamm Flat Road THA 170776CC
- **Attachment B** – Map of Unit 7 Osprey Meadow THA 160774
- **Attachment C** - Map of Unit 7 Hamm Flat THA 160773CC
- **Attachment D** – Map of Unit 8 Manitch THA 170838CC
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: 1.09 acre
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.
