

**Lewis River Hydroelectric Projects Settlement Agreement
Aquatic Coordination Committee (ACC)
Meeting Agenda**

Date & Time: Thursday, January 9, 2014
9:00 a.m. – 10:00 a.m.

Place: CONFERENCE CALL ONLY

Contacts: Frank Shrier: (503) 320-7423

Time	Discussion Item
9:00 a.m.	Welcome <ul style="list-style-type: none"> ➤ Review Agenda & 12/12/13 Meeting Notes ➤ Comment & accept Agenda & 12/12/13 Meeting Notes
9:15 a.m.	2013 Year-end Financial Reporting
9:30 a.m.	Study/Work Product Updates <ul style="list-style-type: none"> ○ Woodland Release Ponds - Status ○ Hatchery Upgrades - Status ○ Hatchery and Supplementation Plan – Status ○ Crab Creek Acclimation Pond Screen - Status ○ Merwin Upstream Construction - Status ○ Swift Downstream Collector – Status ○ Eulachon Consultation Status ○ Future Fish Passage Facilities New Information – Status
9:45 a.m.	<ul style="list-style-type: none"> ➤ Next Meeting’s Agenda ➤ Public Comment Opportunity Note: all meeting notes and the meeting schedule can be located at: http://www.pacificorp.com/es/hydro.html
10:00 a.m.	<i>Adjourn</i>

Join by Phone

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Conference ID: 5709805

FINAL Meeting Notes
Lewis River License Implementation
Aquatic Coordination Committee (ACC) Meeting
January 9, 2014
Conference Call

ACC Participants Present (11)

Kimberly McCune, PacifiCorp Energy
 Frank Shrier, PacifiCorp Energy
 Erik Lesko, PacifiCorp Energy
 Chris Karchesky, PacifiCorp Energy
 Peggy Miller, WDFW
 Aaron Roberts, WDFW
 Eric Kinne, WDFW
 Pat Frazier, LCFRB
 Adam Haspiel, USDA Forest Service
 Diana Gritten-MacDonald, Cowlitz PUD
 Jim Malinowski, Fish First

Calendar:

February 13, 2014	ACC Meeting	Merwin Hydro
March 13, 2014	ACC Meeting	Merwin Hydro

Assignments from January 9, 2014 meeting	
None	

Assignments from December 12, 2013 meeting	
McCune: Email pictures of Muddy River tributary near Hoo Hoo bridge project to the ACC.	Complete – 12/12/13
McCune: Review full proposals and any close-out reports completed for monitoring efforts and advise the ACC. <ul style="list-style-type: none"> • 2010 - Eagle Island Habitat Enhancement (Site A) – Cowlitz Indian Tribe • 2009 - North Fork Lewis River RM 13.5 Habitat Enhancement - LCFEG 	Complete – 1/6/13

Assignments from November 14, 2013 meeting	
Shrier: Send Crab Creek design drawings to the USFS.	Complete 12/13/13
Shrier: Discuss with ACC putting the adult trap efficiency test evaluation off until March 2015 (late winter steelhead) to allow for the trap to be in its best operating condition (all tweaks and adjustments complete).	Complete – 1/9/14

Opening, Review of Agenda and Meeting Notes

Frank Shrier (PacifiCorp) called the meeting to order at 9:05 a.m. The ACC reviewed the agenda and no additional topics were added.

Shrier reviewed the following meeting assignment from November 14, 2013 and the ACC attendees approved a delay of the adult trap efficiency test evaluation until March 2015.

Assignments from November 14, 2013 meeting	
Shrier: Discuss with ACC putting the adult trap efficiency test evaluation off until March 2015 (late winter steelhead) to allow for the trap to be in its best operating condition (all tweaks and adjustments complete).	Complete – 1/9/14

The December 12, 2013 meeting notes were reviewed and approved without change at 9:10 a.m. Kimberly McCune (PacifiCorp) will finalize the December 12, 2013 meeting notes for posting to the Lewis River website.

2013/2014 Year-end Financial Reporting

McCune provided the following Lewis River Aquatic Fund year-end reporting, dated 12/31/2013 (**Attachment A**) via email on January 6, 2014 for ACC review. She also noted that the Cowlitz Indian Tribe returned unused fund in the amount of \$14,764.67 from the 2009 Plas Newydd RM 2.0 Off-Channel project, which has been noted in the Resource Project accounting spreadsheet.

7.5 Lewis River Aquatics Fund – Resource Projects: \$1,407,053.68*
*Balance as of 12/31/2013

7.5 Lewis River Aquatics Fund – Bull Trout: \$ 611,819.45*
*Balance as of 12/31/2013

7.1.1 Lewis River Large Woody Debris (LWD) Fund \$ 39,500.00*
*Balance as of 12/31/2013

Woodland Release Ponds and Lower Lewis River Intake

Shrier informed the ACC that NMFS is working on the Eulachon consultation matter but the Biological Opinion (BiOp) has not been issued as of yet. Briana Weatherly (PacifiCorp) emailed Michelle Day (National Marine Fisheries Service - NMFS) on Monday, January 6, 2014 (**Attachment B**) and advised her that both the Lower Lewis River Intake and Woodland Release Pond projects will be delayed until 2015 and PacifiCorp will request the appropriate extensions from the FERC and will inform the ACC.

Eric Kinne (WDFW) expressed concern about this delay creating two more seasons of direct release and the inability to determine the overall downstream survival (ODS) for two seasons. PacifiCorp encouraged the ACC to express their concerns to NMFS.

Study/Project Updates

Hatchery and Supplementation (H&S) Program

The H&S subgroup will be meeting Monday, January 13, 2014 to review the draft 2014 Annual Operating Plan (AOP). The purpose of this meeting will be to review comments received on the initial draft.

Erik Lesko (PacifiCorp) along with Meridian Environmental is working on data analysis for the 2013 H&S report. These data include projects such as the wild winter steelhead program, screw trap operations and coho monitoring activities in both the upper and lower river.

Transportation:

Upriver Transport	Goal
742 winter steelhead	Target is 500
7,035 coho	Target is 9,000
579 spring Chinook	Target is 2,000

Hatchery Upgrades

Three projects remain as part of Schedule 8.7 of the Settlement Agreement.

Lewis River Hatchery Downstream intake repair: Been delayed to at least 2015 because Eulachon BiOp was not received from NMFS in time for permitting.

Speelyai Hatchery Intake Modifications: On Schedule for completion in 2014.

Merwin Hatchery Ozone Upgrades: This project started in the summer of 2013. The ozone destruct unit has been replaced and upgrades to the residual monitors will be completed in the next month. Replacement of the PLC will be completed by November 30, 2014.

Acclimation Pond/Crab Creek Screen

60% drawings were provided to the Forest Service (FS); new design requires moving the intake and burying the pipe which would delay the project another year due to the FS requiring a spring survey to look for vascular plants that would be disturbed. Shrier indicated that the alternative is to go back to the engineer and see if it's feasible to move the intake back to where it was thus removing the need to conduct further foot surveys for cultural and vascular plants. The new design has not been provided to Bryan Nordlund (NMFS) at this time. In addition, the FS requires that the entire package must go out again for a 30-day public review period. The in-water work window is July 15 –August 31 which constrains the project.

Merwin Trap

The fish exclusion gate for the new Merwin ladder entrance was opened for about 20 minutes on December 30th, and again on December 31st, 2013. This was done to allow fish that were present in the tailrace to voluntarily enter the new trap and demonstrate that the crowder and lower fish-to-truck transfer system were operational. In all, 55 adult fish (25 steelhead and 30 coho) were collected and safely transported to Merwin Hatchery to be sorted. The new sorting facility at Merwin Dam is on schedule to be completed in April 2014. PacifiCorp will start 7-day a week operation of the Merwin Trap beginning January 23rd, 2014. During this interim operation period, fish will be transported and sorted at Merwin Hatchery.

Eric Kinne (WDFW) asked if the fish counter in the ladder was operational. Chris Karchesky (PacifiCorp) responded that it is functioning, but it requires additional tuning so it is counting fish of the appropriate size. A representative is anticipated to be out the week of January 13th. The fish counter allows PacifiCorp staff to enumerate fish as they move into the fish crowder portion of the ladder.

Kinne also asked if it appeared that fish were holding in the space immediately upstream of the fish counter and before entering the fish crowder. Karchesky responded that it did not appear that they were, although more observation is needed.

Swift Downstream Collector Status

The Swift floating surface collector (FSC) was turned off on December 20th, 2013. This outage is for the fish barrier net repair project which began early December, 2013. While in the outage, PacifiCorp is continuing to make minor modifications to the fish sorting area to improve fish passage and transport conditions. The bottom of the reservoir will be prepared for anti-snagging net once the appropriate permits are secured by February 2014. The goal is to have the net repair complete by March 2014.

See [Attachment C](#) for the Fish Facility Report.

Development of New Information to Inform Fish Passage

Stream flow and temperature data for many of the tributaries have been received; some tributary data not downloaded yet as they are still collecting data throughout the year.

Other Topics

McCune reminded the ACC attendees of the following 2013/2014 Aquatic Fund Project Selection upcoming deadlines:

- Full Proposals due: January 31, 2014
- Full Proposals Presentations: February 13, 2014

McCune will provide the ACC a 30-day review and comment period shortly after the presentations have been made.

- Project Selections: Late March or Early April 2014

<9:50 a.m. meeting adjourned >

Agenda items for February 13, 2014

- Review January 9, 2013 Meeting Notes
- 2013/2014 Aquatic Fund Full Proposal Presentations
- Study/Work Product Updates

Public Comment

None

Next Scheduled Meetings

February 13, 2014 (Aquatic Fund Presentations)	March 13, 2014
Merwin Hydro Control Center	Merwin Hydro Control Center
Ariel, WA	Ariel, WA
9:00 a.m. – 11:00am	9:00 a.m. – 3:00pm

Meeting Handouts & Attachments

- Notes from 12/12/13
- Agenda from 1/9/14

- **Attachment A** – Lewis River Aquatic Fund year-end reporting, dated 12/31/2013
- **Attachment B** – Email to Michelle Day (NMFS) from Briana Weatherly, dated January 6, 2014
- **Attachment C** - Fish Facility Report – December 2013

Lewis River License Implementation Lewis River Aquatics Fund - Resource Projects Sections 7.5, 7.5.1, 7.5.3, 7.5.3.1 & 7.7	Funding Start Date: 4/30/05
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Release Date	Funds Received	Expense	Interest	Balance	Notes
12/31/05	\$ 161,327.11			\$ 161,327.11	Contributions in 2004 dollars, adjusted for inflation
4/30/06	\$ 212,172.03				
9/30/06		\$ 46,000.00			Muddy River Tributary Road Decommission - USDA FS*
12/31/06			\$ 24,305.00	\$ 351,804.14	
4/30/07	\$ 164,776.65	\$ 80,000.00			Fish Passage Culvert Replacement - USDA FS
8/23/07		\$ 79,000.00			2007 Dispersed Camping & Day Use Road Restoration - USDA FS
9/6/07		\$ 75,000.00			2007 Aquatic Funding Enhancement Projects - Cowlitz Indian Tribe
12/31/07			\$ 29,964.05	\$ 312,534.84	
4/30/08	\$ 225,723.71				
7/3/08		\$ 34,000.00			2008 Clear Creek Road Decommission - USDA FS
7/3/08		\$ 117,000.00			2008 Muddy River Habitat Improvement - USDA FS
10/2/08		\$ 43,500.00			2008 Mud Creek Enhancement - Cowlitz Indian Tribe*
12/31/08			\$ 19,538.55	\$ 363,297.10	
4/30/09	\$ 374,275.05				
8/20/09		\$ 190,000.00			2009 NF RM 13.5 Habitat Enhancement - LCFEG
9/16/09		\$ 106,000.00			2009 Clear Creek Instream - USDA FS
9/24/09		\$ 33,000.00			2009 Spencer Peak Road Decommission - USDA FS*
9/25/09		\$ 41,000.00			2009 Nutrient Enhancement Pine Creek - USDA FS
12/31/09			\$ 16,279.44	\$ 383,851.59	
4/30/10	\$ 375,965.20				
12/22/10		\$ 50,000.00			2009 Plas Newydd RM 2.0 Off-Channel Habitat Enhancement - Cowlitz Indian Tribe
12/31/10			\$ 20,932.67	\$ 730,749.57	
1/11/11		\$ 41,300.00			2010 Pepper-Lewis Side Channel Instream Habitat Restoration - USDA FS
1/26/11		\$ 32,500.00			2010 Pine Creek Instream and Floodplain Structures for BT & Steelhead - USDA FS
4/30/11	\$ 382,749.82				
7/21/11		\$ 39,000.00			2011 Muddy River Side Channel Restoration - USDA FS
8/19/11		\$ 42,000.00			2011 Lewis River Side Channel Near Muddy River Instream Habitat Restoration - USDA FS
9/21/11	\$ 1,695.65				2009 Pine Creek Nutrient Enhancement funds not used - USDA FS
12/31/11			\$ 29,240.92	\$ 989,635.96	
3/23/12	\$ 1,161.06				2007 Dispersed Camping & Day Use Road Restoration funds not used - USDA FS
4/30/12	\$ 391,012.52				
6/15/12	\$ 34,000.00				2008 Clear Creek Road Decommission; project withdrawn - USDA FS
9/4/12		\$ 74,300.00			2010 Eagle Island Site A - Cowlitz Indian Tribe
10/1/12		\$ 85,000.00			2011 Eagle Island Sites B & C - Cowlitz Indian Tribe
12/31/12			\$ 40,430.28	\$ 1,296,939.82	
4/16/13	\$ 13,795.79				2009 Spencer Peak Road Decommission funds not used - USDA FS
4/29/13		\$ 128,000.00			2012 Clearwater Creek Instream Habitat Restoration - USDA FS
4/29/13		\$ 50,000.00			2012 Lewis River Side Channel III Instream Habitat Restoration - USDA FS
4/30/13	\$ 397,908.89				
10/10/13		\$ 60,000.00			2013 LR Side Channel near Little Creek - USDA FS
10/9/13		\$ 69,000.00			2013 Little Creek Fish Habitat - USDA FS
10/10/13		\$ 12,931.00			2013 Cedar Creek Reach 1A - LCFEG
10/10/13		\$ 43,000.00			2013 Cedar Creek Reach 1A - LCFEG (add'l \$10K from LWD Fund)
12/20/13	\$ 14,764.67				2009 Plas Newydd RM 2.0 Off-Channel funds not used - Cowlitz Indian Tribe
12/31/13			\$ 46,575.51	\$ 1,407,053.68	
Total Spent to Date:				\$ 1,571,531.00	
Balance Remaining:				\$ 1,407,053.68	* Project close out complete

Note: In August 2009, the Bureau of Economic Analysis (BEA) restated the index numbers in Table 1.1.9 (Implicit Price Deflators for Gross Domestic Product). The index numbers are now based on 2005 = 100. This changes the beginning adjustment number for year 2000, quarter 3.

Lewis River License Implementation

Lewis River Aquatics Fund - Bull Trout
Sections 7.5, 7.5.1, 7.5.3, 7.5.3.1 & 7.7

Funding Start Date: 4/30/05

Release Date	Funds Received	Expense	Interest	Balance	Notes
12/31/05	\$ 161,327.11			\$ 161,327.11	Contributions in 2004 dollars, adjusted for inflation
4/30/06	\$ 106,086.01				
11/30/06		\$ 37,889.08			Pine Creek Nutrient Enhancement - USDA FS*
12/31/06			\$ 19,176.61	\$ 248,700.65	
4/30/07	\$ 164,776.65	\$ 25,000.00			Pine Creek Instream & Floodplain Structures for Bull Trout and Steelhead - USDA FS
7/31/07		\$ 20,000.00			Rush Creek Gravel Restoration - USDA FS
8/21/07		\$ 43,150.00			2007 Pine Creek Nutrient Enhancement - USDA FS*
12/31/07			\$ 26,521.44	\$ 351,848.59	
4/30/08	\$ 112,861.86				
7/3/08		\$ 13,578.84			2008 Panamaker Crk. Rd Close & Culvert Removal - PacifiCorp*
12/31/08			\$ 21,406.20	\$ 472,537.81	
3/25/09	\$ 19,269.66				Return of funds: Rush Creek Gravel Restoration; project withdrawn - USDA FS
3/31/09	\$ 23,493.72				Return of funds: Pine Creek Instream & Floodplain Structures for Bull Trout and Steelhead - USDA FS
12/31/09			\$ 16,674.20	\$ 531,975.39	
12/31/10			\$ 17,549.06	\$ 549,524.45	
1/26/11		\$ 32,500.00			2010 Pine Creek Instream and Floodplain Structures for Bull Trout & Steelhead*
12/31/11			\$ 17,130.39	\$ 534,154.84	
12/31/12			\$ 17,620.96	\$ 551,775.80	
4/30/13	\$ 122,433.50				
9/1/13		\$ 3,164.00			2013 Survey of BT Stream Habitat (1/2 insurance expense) - MSHI
9/1/13		\$ 59,226.00			2013 Survey of BT Stream Habitat - MSHI
12/31/13			\$ 20,228.96	\$ 611,819.45	
Total Spent to Date:				\$ 234,507.92	
Balance Remaining:				\$ 611,819.45	

Note: In August 2009, the Bureau of Economic Analysis (BEA) restated the index numbers in Table 1.1.9 (Implicit Price Deflators for Gross Domestic Product). The index numbers are now based on 2005 = 100. This changes the beginning adjustment number for year 2000, quarter 3

Lewis River License Implementation	Funding Start Date: 12/26/08
Lewis River LWD Fund	
Section 7.1.1	

Release Date	Funds Received	Funds Dispersed	Balance	Notes
				Unspent balance in any year shall be carried forward
11/25/08	\$ 2,000.00		\$ 2,000.00	7.1.1 Large Woody Debris Program, ILR-LWD
12/25/08	\$ 10,000.00		\$ 12,000.00	7.1.1 LWD projects in the mainstem below Merwin Dam
12/3/08		\$ (2,000.00)	\$ 10,000.00	Chilton Logging - move LWD from Swift boat launch to muddy river access road
4/1/09	\$ 2,000.00		\$ 12,000.00	7.1.1 Large Woody Debris Program, ILR-LWD
4/10/09		\$ (2,000.00)	\$ 10,000.00	Chilton Logging - move LWD for delivery to LCFEG
12/25/09	\$ 10,000.00		\$ 20,000.00	7.1.1 LWD projects in the mainstem below Merwin Dam
4/1/10	\$ 2,000.00		\$ 22,000.00	7.1.1 Large Woody Debris Program, ILR-LWD
7/1/10		\$ (2,000.00)	\$ 20,000.00	Chilton Logging - move LWD for delivery to USFS
12/21/10	\$ 10,000.00		\$ 30,000.00	7.1.1 Large Woody Debris Program, ILR-LWD
4/1/11	\$ 2,000.00		\$ 32,000.00	7.1.1 Large Woody Debris Program, ILR-LWD
12/25/11	\$ 10,000.00		\$ 42,000.00	7.1.1 Large Woody Debris Program, ILR-LWD
4/1/12	\$ 2,000.00	\$ (4,000.00)	\$ 40,000.00	7.1.1 LWD projects in the Yale Reservoir
4/1/12		\$ (8,500.00)	\$ 30,000.00	Chilton Logging - move LWD for delivery to Cowlitz Tribe
12/25/12	\$ 10,000.00		\$ 41,500.00	7.1.1 Large Woody Debris Program, ILR-LWD
6/2/13		\$ (2,000.00)	\$ 39,500.00	Chilton Logging - move LWD for delivery to USFS
10/10/13		\$ (10,000.00)	\$ 29,500.00	2013 Cedar Creek Reach 1A - LCFEG
12/26/13	\$ 10,000.00		\$ 39,500.00	7.1.1 Large Woody Debris Program, ILR-LWD
Total Spent to Date:		\$ 30,500.00		
Balance Remaining:		\$ 39,500.00		

Within 180 days after Issuance of the New License for the Merwin Project and annually thereafter, PacifiCorp shall make available in a Tracking Account up to \$2,000, which may be disbursed to qualified entities to defray the costs of LWD transportation and placement in the Lewis River Basin (the “LWD Fund”).

In addition, within 180 days after Issuance of the New License for the Merwin Project and annually thereafter, PacifiCorp shall contribute \$10,000 to the Aquatics Fund (Section 7.5) that will be earmarked for LWD projects in the mainstem of the Lewis River below Merwin Dam that benefit anadromous fish.

McCune, Kimberly

From: Shrier, Frank
Sent: Thursday, January 09, 2014 10:27 AM
To: McCune, Kimberly
Subject: FW: PacifiCorp: Lewis River Hydro

From: Weatherly, Briana
Sent: Monday, January 06, 2014 3:14 PM
To: Michelle Day
Cc: Shrier, Frank; Olson, Todd; Hydro Document Services
Subject: PacifiCorp: Lewis River Hydro

Hi Michelle,

I hope your holidays were nice. I am emailing to let you know, that consistent with our previous conversations PacifiCorp is now planning to push the construction of the Lewis River Release Ponds and the screen replacement at the Lewis River Hatchery lower intake to calendar year 2015. We will be sending a request for extension to the Federal Emergency Regulatory Commission and the schedule adjustment will be discussed at the January Aquatic Coordination Committee meeting.

Thanks.

Briana Weatherly

Manager, Environmental Compliance | PacifiCorp Energy Hydro Resources
briana.weatherly@pacificorp.com | o: 503.813.7039 | m: 503.819.2281
825 NE Multnomah, Suite 1500 | Portland, OR. 97232

Fish Facility Report

Swift Floating Surface Collector

December 2013

Day	Coho		Chinook		Steelhead			Cutthroat			Bull Trout			Planted Rainbow
	fry	smolt	fry	smolt	fry	smolt	kelt	fry	< 13 in	> 13 in	fry	< 13 in	> 13 in	
01	0	0	0	9	0	0	0	0	0	0	0	0	0	0
02	0	1	0	16	0	0	0	0	2	0	0	0	0	0
03	0	0	0	33	0	0	0	0	1	0	0	0	0	0
04	0	1	0	27	0	0	0	0	0	0	0	0	0	0
05	0	0	0	15	0	0	0	0	0	0	0	0	0	0
06	0	0	0	10	0	0	0	0	1	0	0	0	0	0
07	0	3	0	5	0	0	0	0	1	0	0	0	0	0
08	0	3	0	3	0	0	0	0	1	0	0	0	0	0
09	0	0	0	5	0	0	0	0	0	0	0	0	0	0
10	0	0	0	7	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	2	0	1	0	1	0	0	0	0	0	0	0	0
13	0	0	0	4	0	0	0	0	0	0	0	0	0	0
14	0	0	0	2	0	0	0	0	0	0	0	0	0	0
15	0	0	0	2	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	1	0	0	0	0	0	0	1	0	0	0	0	0
18	0	0	0	3	0	0	0	0	0	0	0	0	0	0
19	0	0	0	3	0	0	0	0	0	0	0	0	0	0
20	0	0	0	3	0	0	0	0	0	0	0	0	0	0
21														
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31														

Monthly	0	11	0	148	0	1	0	0	7	0	0	0	0	0
Annual	0	15074	0	1430	0	166	9	48	550	6	0	8	2	819

Deballasting concluded on 10/7 and normal FSC operations resumed thereafter.

No adult steelhead (kelts) were collected.

All coho, Chinook and steelhead smolts and cutthroat were transported downstream.

All fry, bull trout, and planted rainbow were returned to Swift Reservoir.



Friday, December 27th, 2013