

Boundary Hydroelectric Project (FERC No. 2144)
Addendum to Exhibit C of the License Application

Seattle City Light

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1 INTRODUCTION TO EXHIBIT C ADDENDUM

This document is an addendum to Exhibit C of Seattle City Light's (SCL) License Application for the Boundary Hydroelectric Project (FERC No. 2144) that was filed with FERC on September 29, 2009. The inserts on the following pages represent complete replacements of the corresponding sections in Exhibit C, allowing the reviewer to refer to only one document, i.e., either the Exhibit C filed with the License Application or this addendum, for a given section or subsection. Each replacement section below is thoroughly documented so that there is no ambiguity as to what portions of Exhibit C have been replaced.

The organization of the following document parallels that of Exhibit C, i.e., sections are presented in the same order and all revised sections, tables, or figures are numbered or referred to according to the same scheme used in Exhibit C.

2 REVISED SECTIONS OF EXHIBIT C

2.1. Planned and Proposed New Development (Section 3 of Exhibit C)

The following section replaces Section 3, Planned and Proposed New Development.

Table C.3-1 lists the new development planned for the new license term and the intervals following issuance of the license when the work will commence and be completed.

The following table replaces Table C.3-1, Summary of new development planned and proposed for the new license term, in Exhibit C of the License Application

Table C.3-1. Summary of new development planned and proposed for the new license term.¹

Event	Start Date (year from license issuance)	End Date (year from license issuance)
Major Capital Improvement Projects (CIP)		
Unit 55 Generator Rebuild (including runner replacement) (every 30 years)	Year 1 and Year 28	Year 3 and Year 32
Unit 56 Generator Rebuild (including runner replacement) (every 30 years)	Year 1 and Year 29	Year 4 and Year 33
Forebay Wall Hardening	Year 1	Year 7
Transformer Banks 151-156 Rock Damage Mitigation (every 25 years)	Year 1 ² , 23 and Year 48	Year 3, 24 and Year 49
Replace Step-up Transformer, Bk 240-153/4/1/2 (every 40 years)	Year 1 and Year 41	Year 5 and Year 45
Unit 54 Generator Rebuild (every 30 years)	Year 4 and Year 34	Year 6 and Year 36
Unit 53 Generator Rebuild (every 30 years)	Year 5 and Year 35	Year 7 and Year 37
Unit 51 Generator Rebuild (every 30 years)	Year 6 and Year 36	Year 8 and Year 38
Unit 52 Generator Rebuild (every 30 years)	Year 7 and Year 37	Year 9 and Year 39
Replace Isophase Bus	Year 7	Year 11

Table C.3-1, continued...

Event	Start Date (year from license issuance)	End Date (year from license issuance)
Ozone Abatement	Year 10	Year 11
Unit 54 Runner Replacement (every 30 years)	Year 17 and Year 47	Year 21 and Year 49
Unit 52 Runner Replacement (every 30 years)	Year 18 and Year 48	Year 20 and Year 50
Unit 53 Runner Replacement (every 30 years)	Year 19 and Year 49	Year 21 and Year 51
Unit 51 Runner Replacement (every 30 years)	Year 20 and Year 50	Year 22 and Year 52
Minor Improvement Projects	Year 1	Year 50
Environmental Measures		
<u>Geology and Soils</u>		
Erosion Control Measures at Three (3) Designated Sites (as part of the Erosion Program, a component of the Terrestrial Resources Management Plan [TRMP])	Year 1	Year 7 ³
<u>Water Resources</u>		
Acquisition of Flood Easements	Year 1	Year 5
Design, Testing and Evaluation of Structural Total Dissolved Gas (TDG) Abatement Measures	Year 1	Year 10
<u>Fish and Aquatics Resources</u>		
Upstream Fish Passage Trap-and-Haul Facility	Year 1	Year 14 (i.e., Year 2 Following FERC Fishway Design Approval)
Entrainment Reduction Facility (if deemed necessary) or alternative offsite habitat measures	Year 1	Year 45
Mainstem Gravel Augmentation <ul style="list-style-type: none"> • Initial Placement • Replenishment (as needed) 	Year 1 Every 5 Years Thereafter	Year 10
Channel Modifications for Mainstem Trapping Pools at Project River Mile (PRM) 30.3 <ul style="list-style-type: none"> • Initial Implementation • Repair (as needed) 	Year 1 Every 10 Years Thereafter	Year 5
Placement of Mainstem Large Woody Debris (LWD) Jams at Tributary Deltas <ul style="list-style-type: none"> • Initial Placement • Replenishment (as needed) 	Year 1 Every 10 Years Thereafter	Year 10
Riparian Improvement and Stream Channel Enhancements in Sullivan Creek River Mile (RM) 0.30 to RM 0.54 (Initial Implementation)	Year 1	Year 10
Stream and Riparian Improvements in Sullivan Creek RM 2.30 to RM 3.00 and North Fork Sullivan Creek (Initial Implementation)	TBD (tributary program implementation schedule to be developed 1 year after license issuance)	Year 10
LWD Placement and Road Improvements in Sullivan Creek and Selected Tributaries Upstream of the Confluence with Outlet Creek (Initial Implementation)	TBD (tributary program implementation schedule to be developed 1 year after license issuance)	Year 10

Table C.3-1, continued...

Event	Start Date (year from license issuance)	End Date (year from license issuance)
Culvert Replacements and LWD Placement in Tributaries to Boundary Reservoir (Initial Implementation)	TBD (tributary program implementation schedule to be developed 1 year after license issuance)	Year 20
Riparian Planting, Culvert Replacement and Channel Reconstruction in Linton Creek RM 0.00 to RM 0.24 <ul style="list-style-type: none"> Initial Implementation Repair (as needed) 	TBD (tributary program implementation schedule to be developed 1 year after license issuance) Every 8 Years Thereafter	Between Years 16 and 20
Riparian and Channel Improvements in Sweet Creek RM 0.00 to RM 0.60 <ul style="list-style-type: none"> Initial Implementation Repair (as needed) 	Year 1 Every 8 Years Thereafter	Year 10
Habitat Improvement in Tier-2 Tributaries to Boundary Reservoir (Initial Implementation)	Year 1	Year 25
Establish Fund for Habitat Improvements in Tributaries to Sullivan Lake	TBD (fund to be established within 1 year of license issuance)	TBD
Closure and Restoration of Sullivan Creek Dispersed Recreation Sites	Year 1	Year 10 (or as otherwise agreed to with the U.S. Forest Service [USFS])
Native Salmonid Conservation Program	Year 1	Year 6
<u>Botanical Resources</u>		
No new development proposed that involves design and construction	NA	NA
<u>Wildlife Resources</u>		
Habitat Management, Enhancement and Protection Program (a component of the TRMP): <ul style="list-style-type: none"> Motorized Vehicle Access Control Wetland/Riparian, Riparian and Upland Habitat Protection and Enhancement Measures; Acquisition of Additional Property for Project Habitat Lands Island and Shoreline Access Control 	Year 1 Year 1 Year 1	Year 5 See the TRMP Implementation Schedule [TRMP Appendix 2] for specific details Year 2
<u>Threatened and Endangered Species</u>		
No new development proposed that involves design and construction	NA	NA
<u>Aesthetic/Visual Resources</u>		
Addressed by Recreation Resources measures	NA	NA
<u>Cultural Resources</u>		
No new development proposed that involves design and construction	NA	NA
<u>Recreation Resources and Land Use</u>		
Improvements at Forebay Recreation Area	Year 3	Year 5

Table C.3-1, continued...

Event	Start Date (year from license issuance)	End Date (year from license issuance)
Improvements at Boundary Vista House Recreation Area	Year 8	Year 10
Improvements at Boundary Tailrace Recreation Area/Machine Hall Visitors' Gallery	Year 8	Year 10
Improvements at Metaline Waterfront Park Boat Launch	Year 3	Year 5
Development of Peewee Falls Viewpoint and Trail	Year 6	Year 7
Development of Metaline Falls Portage Trail and Boaters Access	Year 6	Year 7
Development of Riverside Mine Canyon Viewpoint and Trail	Year 6	Year 7
Development of Eastside Trail	Year 8	Year 10
Enhancements to Designated Dispersed Shoreline Recreation Sites	Year 6	Year 7
Shoreline Management Program (a component of the TRMP)	Year 1	Year 2
Travel and Public Access Program (a component of the Recreation Resources Management Plan [RRMP])	Year 1	Year 3
Major Road Maintenance	Years 15, 30 and 45	Year 16, 31 and 46
Decommissioning of Well Heads and Associated Roads	Year 1	Year 2
Project Boundary Adjustments	Year 1	Year 2
<u>Socioeconomics</u>		
Addressed by measures of other resource areas	NA	NA
<u>Tribal Resources</u>		
Addressed by measures of other resource areas	NA	NA

Notes:

- 1 Includes design, planning, permitting and construction.
- 2 Effort commenced in 2009, under current license term.
- 3 To be implemented concurrent w/ schedules for respective recreation sites.

3 REFERENCES

There are no new references in this addendum that were not already cited in Exhibit C of the License Application.