



FOR MORE INFORMATION, VISIT  
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Seattle City Light

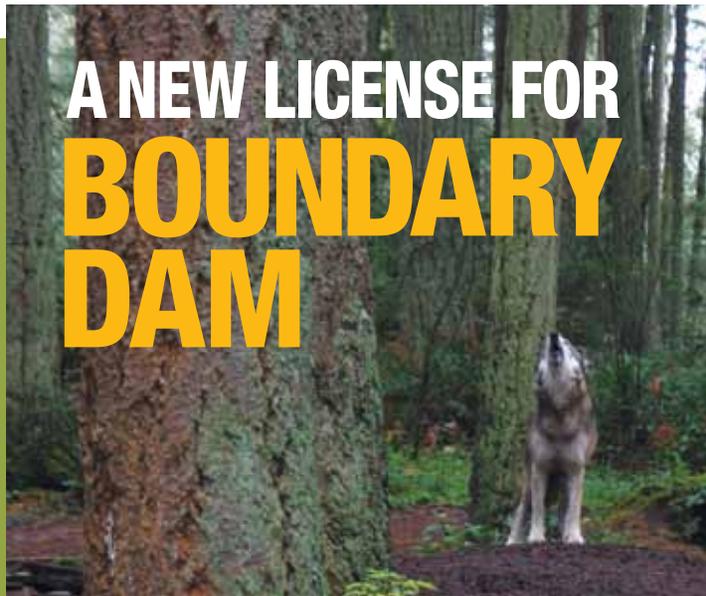
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# A NEW LICENSE FOR **BOUNDARY DAM**





Boundary Dam rises 340 feet from its bedrock. The dam is 740 feet long at the top. It is 32 feet thick at its base and only eight feet thick at its crest.

A new Forty-two year Federal Energy Regulatory Commission (FERC) license order for Boundary Dam was issued on March 20, 2013.

The new license includes a suite of measures that mitigate for the impacts of Boundary's operations on the surrounding natural environment.

These measures address recreation, aquatic, terrestrial, cultural, and wildlife resources and benefit the environment and the communities in and around Boundary.

Protecting the Natural Environment  
with Low Impact Energy Generation.

# BOUNDARY HYDROELECTRIC PROJECT



## A VISION FOR ENVIRONMENTAL STEWARDSHIP

Within the reservoir Seattle City Light will suppress milfoil at key sites, and we will carefully monitor for the presence of highly invasive quagga and zebra mussels as part of a comprehensive water quality program. We will construct boat access, improve parks along the reservoir, and manage water elevations during the summer months to promote recreational uses.

We will acquire and preserve native habitat lands, repair erosion sites along the reservoir as necessary, and preserve and protect identified culturally significant sites.

To promote native fisheries in the reservoir, we will create spawning beds, and refuge areas for native salmonids.

But as described next, what makes Boundary's environmental vision special is its focus on native salmonid restoration in the tributaries to the Boundary reservoir.



The new license strikes an important balance between operational flexibility and measures that protect and mitigate for the environmental impacts of operations. The continued ability to operate Boundary to respond immediately to the rise and fall of electric demand provides resource stability to the Pacific Northwest and continues hydro-power's key role in the clean energy future of the region. It also benefits both City Light and Pend Oreille PUD ratepayers who receive clean, low-cost Boundary power.

Science Based Decision Making  
and Management.

# FISH AND AQUATICS MEASURES



The three fish species of special interest in the Boundary Reservoir are westslope cutthroat trout, bull trout, and mountain whitefish. The greatest benefits for these species will be achieved in the tributaries that feed into Boundary Reservoir.

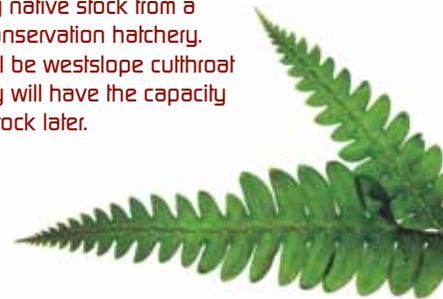
City Light's mitigation efforts will focus on restoring natural habitat in places where it has been impacted, removing non-native fish and restoring functional and natural aquatic communities.

Within the first 10 years of the new license, Sullivan Creek will be the main focus of these restoration efforts. Sullivan offers prime salmonid habitat, and

restoration efforts will include culvert replacements, installation of logjams and boulders to increase channel complexity, and plantings to increase shade and reduce water temperature. The removal of Mill Pond dam will allow transport of coarse sediments downstream and reduce summer creek temperatures.

## NATIVE FISH HATCHERY

Non-native fish that compete for scarce resources with the native salmonids will be removed, and will be replaced by native stock from a native salmonid conservation hatchery. The initial stock will be westslope cutthroat trout, but the facility will have the capacity to add a second stock later.



Protecting, Enhancing & Educating.  
Boundary Terrestrial Resources Management  
Plan Cultural Resources & Heritage Programs.

# TERRESTRIAL AND WILDLIFE RESOURCES



Seattle City Light is committed to protecting and enhancing terrestrial resources affected by the operation of the Boundary project. As part of a comprehensive approach, Seattle City Light will:

- Monitor erosion and take action if important resources are being affected.
- Improve river banks in the Boundary tailrace recreation area.
- Monitor and manage invasive weeds.
- Monitor rare, threatened and endangered plant species.

- Monitor wildlife such as bald eagles and peregrine falcons.
- Manage the reservoir shoreline to protect Project resources.

The Boundary Terrestrial Resources Management Plan addresses a range of measures designed to protect and enhance the natural features and beauty of the local environment. Measures include managing erosion, weeds, wildlife, riparian habitats and threatened and endangered plants and wildlife.



A Diverse Variety of  
Recreational Opportunities.

# ENHANCING RECREATION



Seattle City Light will make a variety of recreational improvements in the Boundary Project area, including:

- Upgrading the Boundary forebay, tailrace, and Vista House recreation areas.
- Upgrading select dispersed shoreline recreation sites.
- Replacing Metaline Waterfront Park boat ramp.
- Establishing new trails with viewpoints of Pee Wee Falls and Riverside Mine Canyon.
- Establishing a new trail connecting Pee Wee Falls and Riverside Mine Canyon viewpoints.

- Establishing a portage trail and boater access site at Sullivan Creek in Metaline Falls.
- Six new dispersed shoreline recreation sites.

## RECREATIONAL FISHING

City Light will provide new recreational fishing opportunities by working with the Washington Department of Fish and Wildlife to stock 18 lakes on an annual basis with a broad variety of fish.

