

Clean Currents

Tamara Jenkins, Director, Project Delivery Division

October 15, 2025 @ 1 pm

Seattle City Light

WE POWER SEATTLE

Asset Owner Meet & Greet

Seattle City Light



Mission, Vision and Values

MISSION

Seattle City Light provides our customers with affordable, reliable and environmentally responsible energy services.

VISION

Create a shared energy future by partnering with our customers to meet their energy needs in whatever way they choose.

Seattle City Light Strategic Plan

VALUES

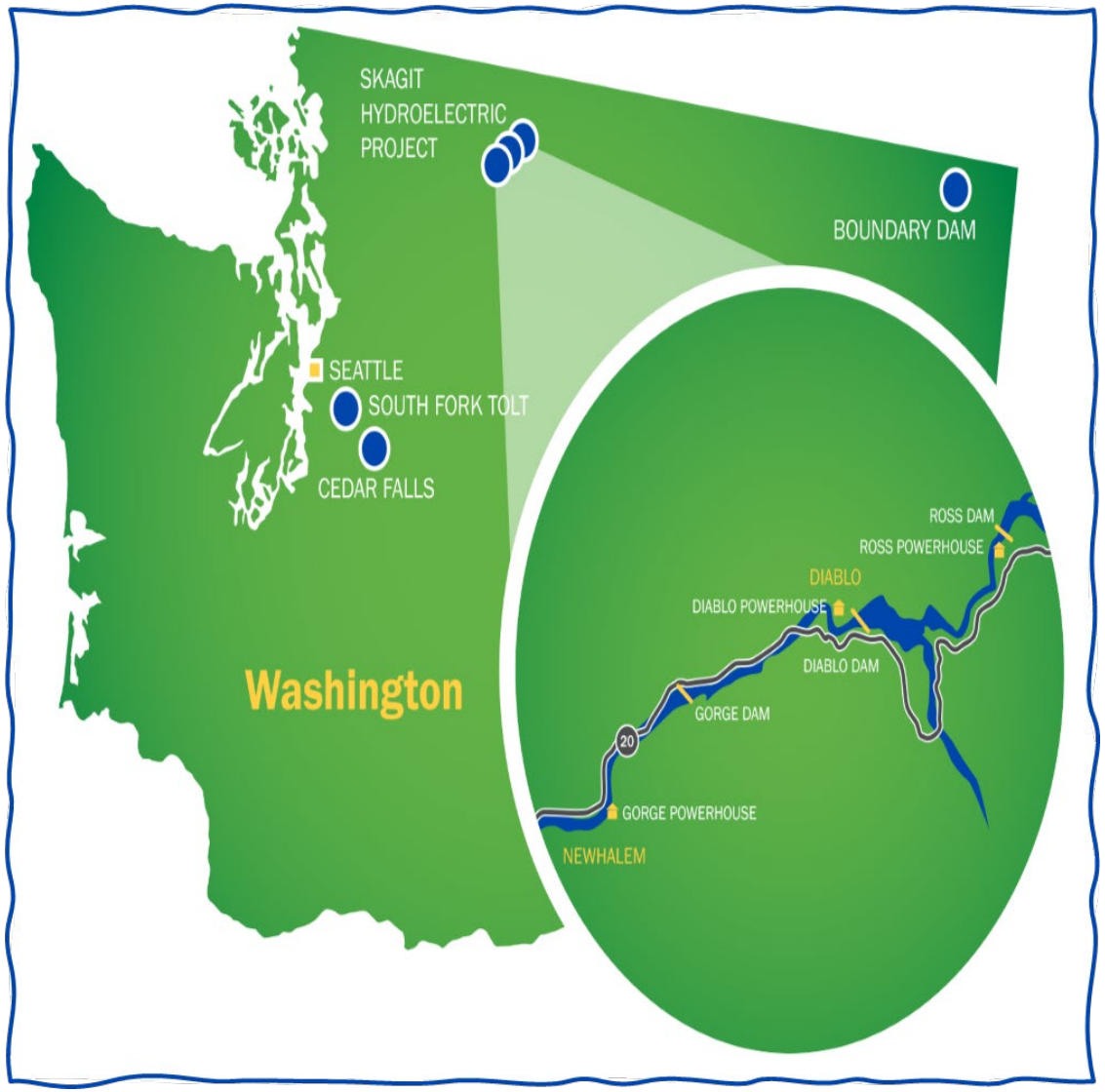
- **Dream big. Be brave. Improve. Never stop learning.**
- **Collaborate intentionally, listen deeply, achieve more together.**
- **We serve with care.**
- **My voice matters: I can make a difference.**
- **Safety and integrity- no exceptions.**
- **Accountability in every action, pride in our craft.**
- **Protect the people, preserve the planet, power the future.**
- **Grace guides us, empathy connects us, respect unites us.**

City Light Hydroelectric Generation Facility Portfolio

City Light Dam Portfolio

- Skagit Project
  - Ross Dam
  - Diablo Dam
  - Gorge Dam
  - Newhalem
- Boundary Dam
- Cedar Falls
- South Fork Tolt

Seattle City Light



Power Mix Distributed



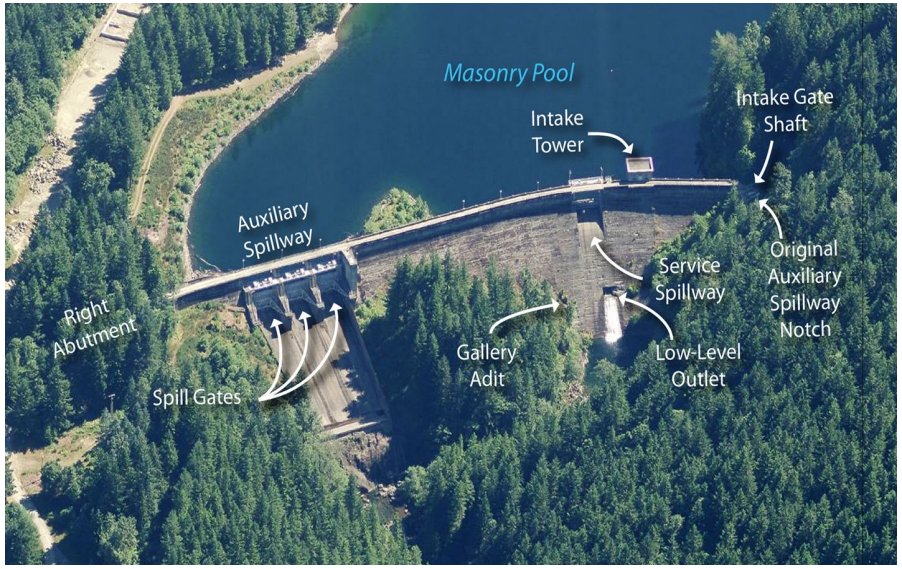
POWER MIX

HYDRO	88%
WIND	5%
NUCLEAR[1]	4%
UNSPECIFIED[2]	2%
BIOGAS	1%
TOTAL	100%

- SCL's power generation is 100% Hydroelectric
- SCL does purchase power from other power generators to meet demand as necessary
- SCL also participates in the Western Energy Imbalance Market

Seattle City Light – Generation Facilities

Cedar Falls - Construction- 1914





The Masonry Dam construction was no simple feat...Have you been out here in the winter?

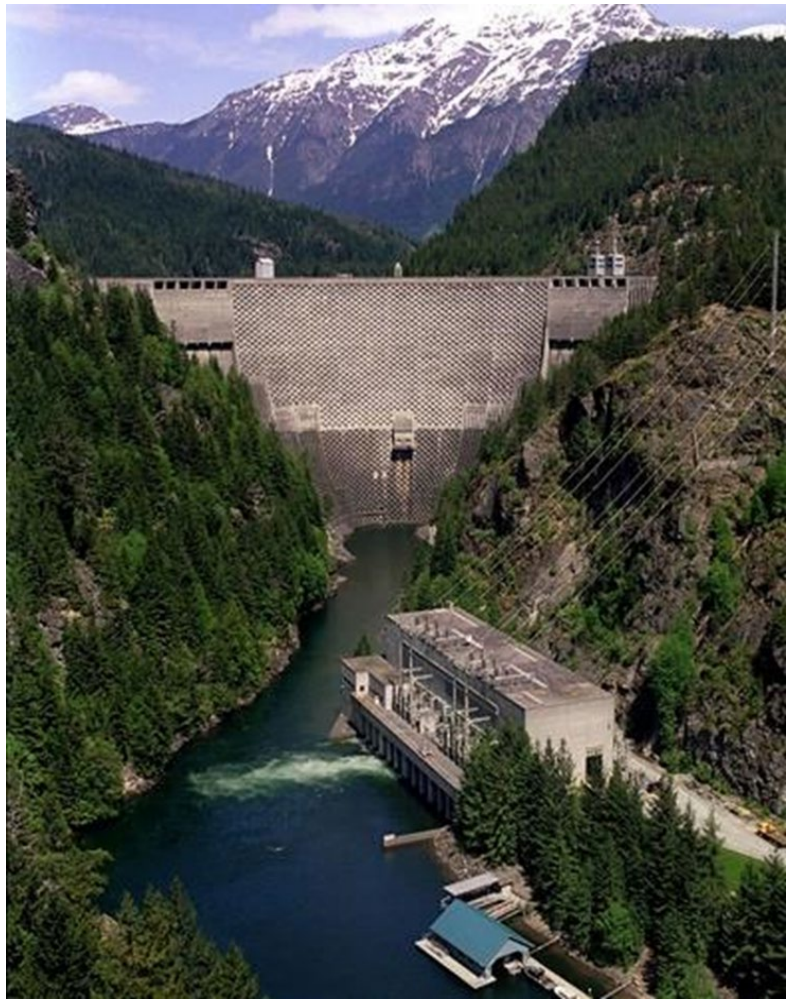
Boundary Dam



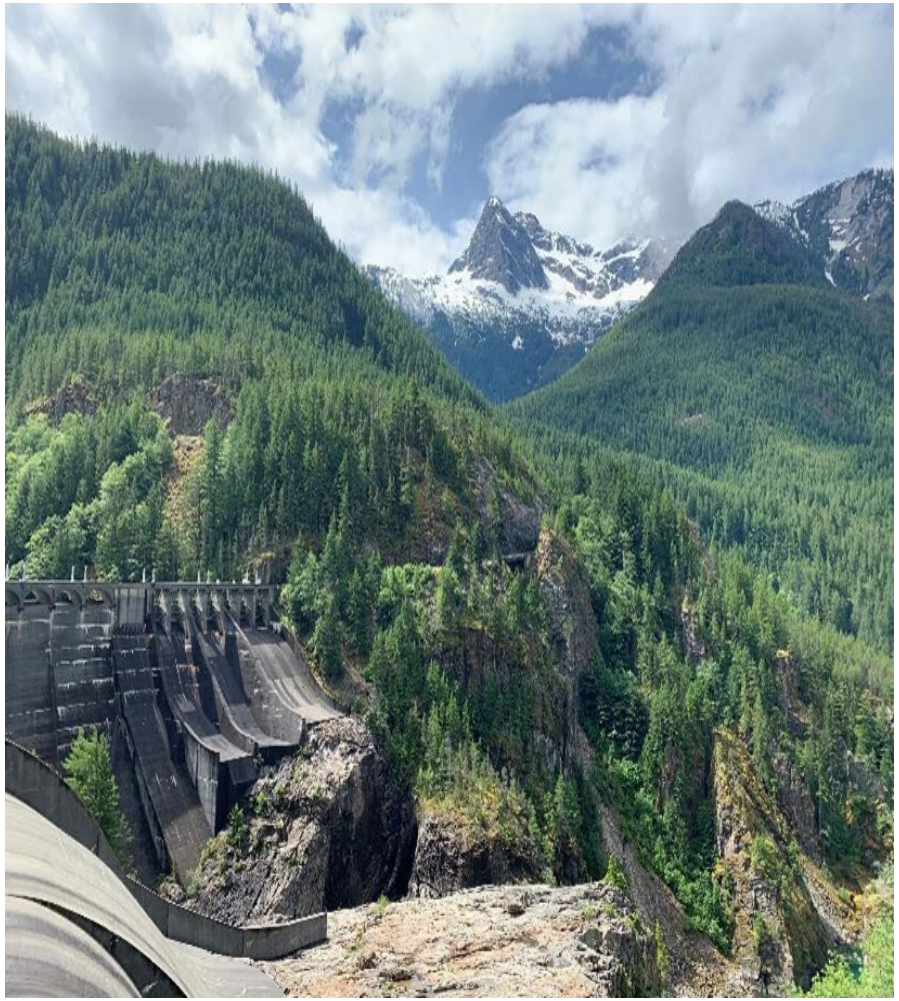


Seattle City Light – Generation Facilities

Ross Dam



Diablo Dam



Skagit Hydro Facilities



Seattle City Light – Generation Facilities

Skagit: Gorge 1920s – 1930s





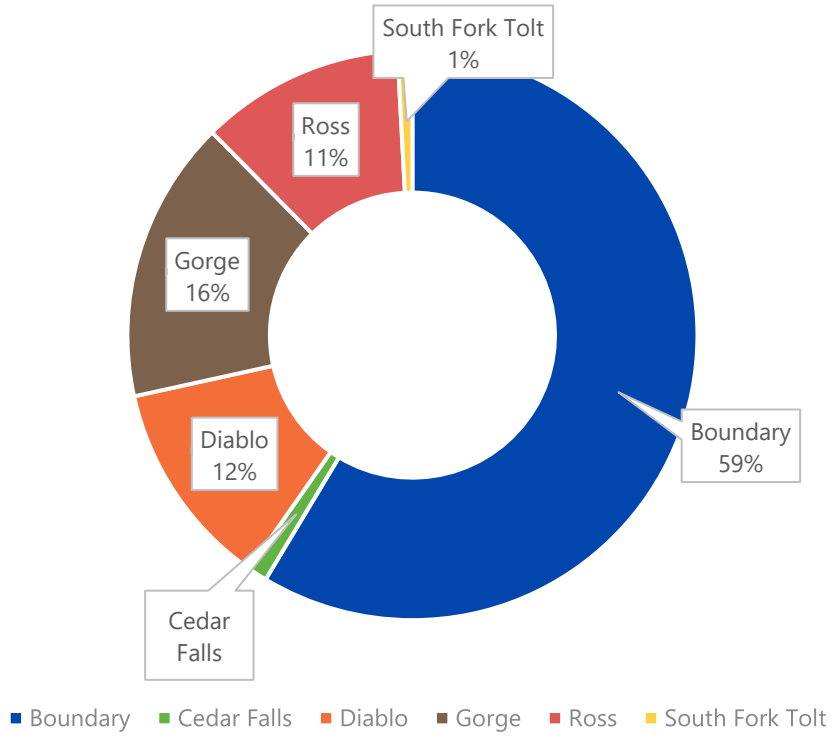
Gorge Dam



Plant Role in Utility Portfolio

Power Supply Owned by City Light					
City Light Plants	**Locations**	**Year In Service**	**License Expiration**	**Capability (Megawatts)**	**% of Total**
Boundary	Pend Orielle River	1967	2052	1120.5	55.8
Ross	Skagit River	1952	2025	450.0	22.4
Gorge	Skagit River	1924	2025	207.5	10.3
Diablo	Skagit River	1936	2025	190.4	9.1
Cedar Falls	Cedar River	1904	N/A	30.0	1.5
South Fork Tolt	South Fork Tolt River	1958	2029	16.8	0.8
Newhalem	Newhalem Creek	1921	2025	2.0	0.1
Total System Generation Capability				**2014.1**	**100.0**

2021-2023 AVERAGE GENERATION BY PLANT



Generation Project Management

- Automation
- Modernization
- Asset longevity

Budget Year	# of CIP Projects	Approved CIP Budget
2023	71	$69M
2024	91	$59M
2025-2030	102	$384.1M



Completed Projects - 2023

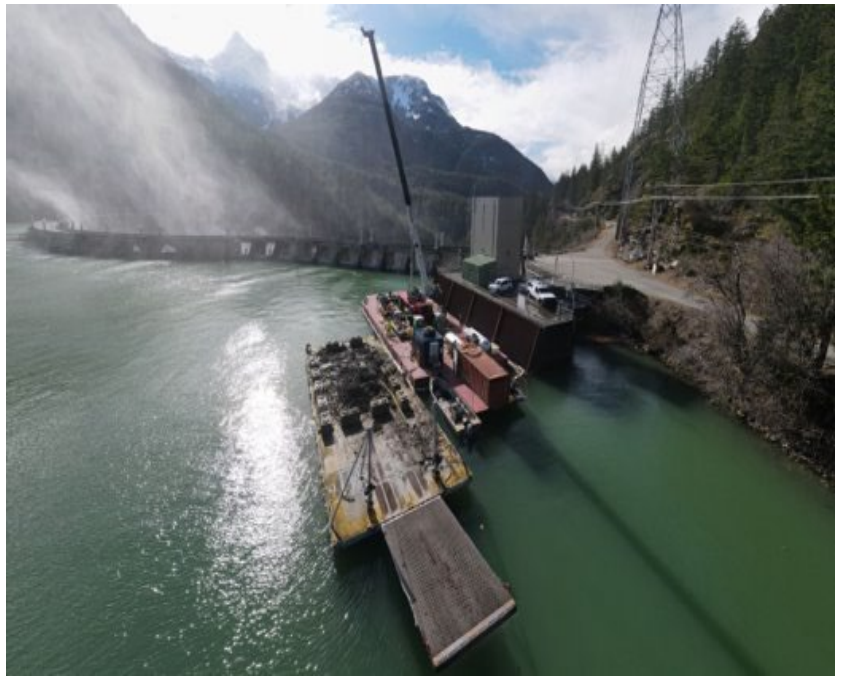
Cedar Falls Substation



Boundary Unit 54 Generator Overhaul



Diablo Dam Intake Cleaning



Current Projects - 2024

Diablo Trash Rack Replacement



Boundary Bank 151 Step Up Transformer



Future Projects

Boundary Station Service Transformer Replacement

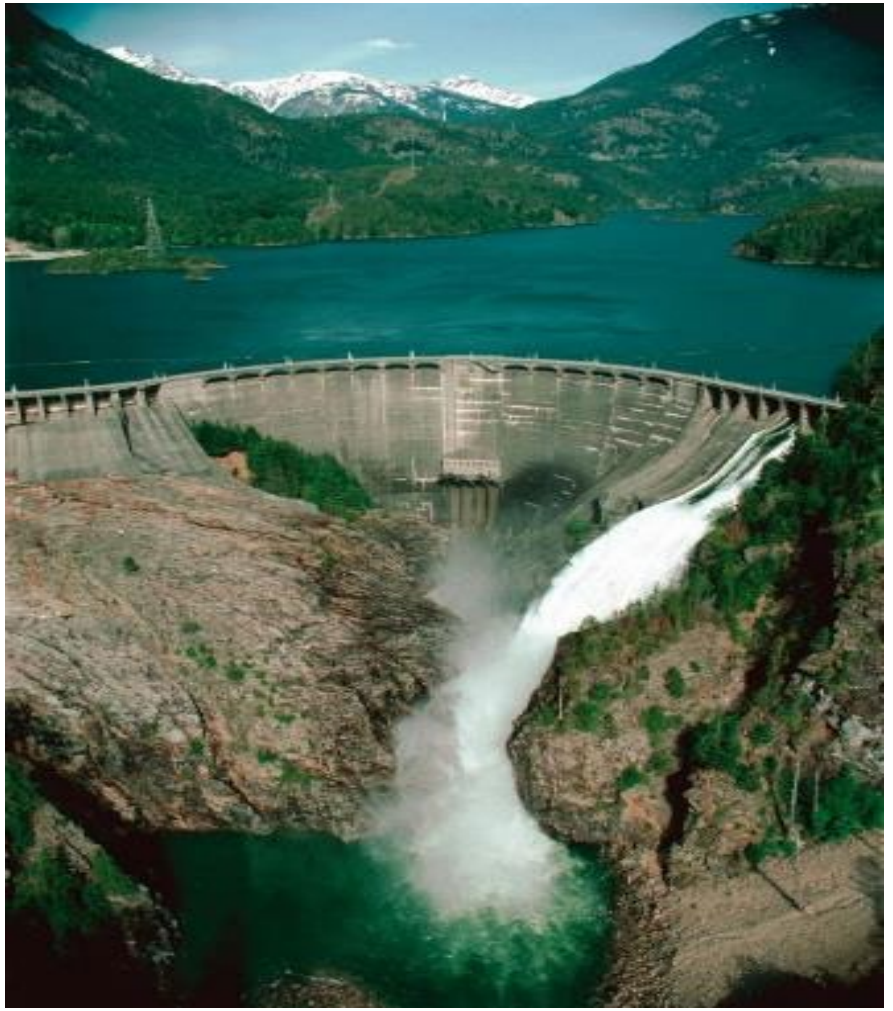


Gorge Powerhouse Crane Replacement



Dam Safety – Why and What

- "With great power comes great responsibility." Responsible dam owner.
- Regulatory requirement.
- Avoid unacceptable risk to the public, property, and the environment.
- Multidisciplinary field with a risk management philosophy
- Identify or predict deficiencies and consequences related to failure, and to document, publicize, reduce, eliminate, or remediate any unacceptable risks to the extent reasonably possible.



Dam Safety- Active and Future CIP's

Active Projects

- Ross, Diablo, Gorge Spillway Repairs
- Gorge Reservoir Debris Boom
- Tolt Spillway Upgrade
- Tolt Dam Failure Emergency Warning

Future Projects

- Gorge Superstructure Seismic Retrofit
- Cedar Falls Dam Safety Improvements
- Gates automation
- Boundary Abutment Stabilization
- Ross AC/DC and Gates Control Upgrade



Land and Wildlife Habitat Protection





Maintenance/Outage Strategies

- Preventative Maintenance
  - Scheduled
  - Outage
- Corrective Maintenance
- Emergency Maintenance
- AI Pilot Program – Utilizing Historian Data
- Predictive Maintenance
- Asset Management



Projects During the Next 5 Years

Ross Intake Bridge



Cedar Falls Defensible Space



Ross Exciters



Seattle City Light Links

- City of Seattle Procurement & Bids
- Seattle City Light
- City Light Owned Hydroelectric Resources - City Light|seattle.gov
- Relicensing the Skagit Hydroelectric Project - City Light | seattle.gov
- Newhalem Creek Hydroelectric Project - City Light | seattle.gov
- Skagit River Hydroelectric Project - City Light | seattle.gov
- Boundary Hydroelectric Project - City Light | seattle.gov
- Cedar Falls Hydroelectric Project - City Light | seattle.gov
- South Fork Tolt Hydroelectric Project - City Light | seattle.gov

Connect with Us



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Q&A

THANK YOU

Seattle City Light

CLEAN CURRENTS2025

Where Waterpower Moves Forward | Powered by NHA

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seattle.gov/city-light