



# SD5 – Environmental Leadership 2022 Update

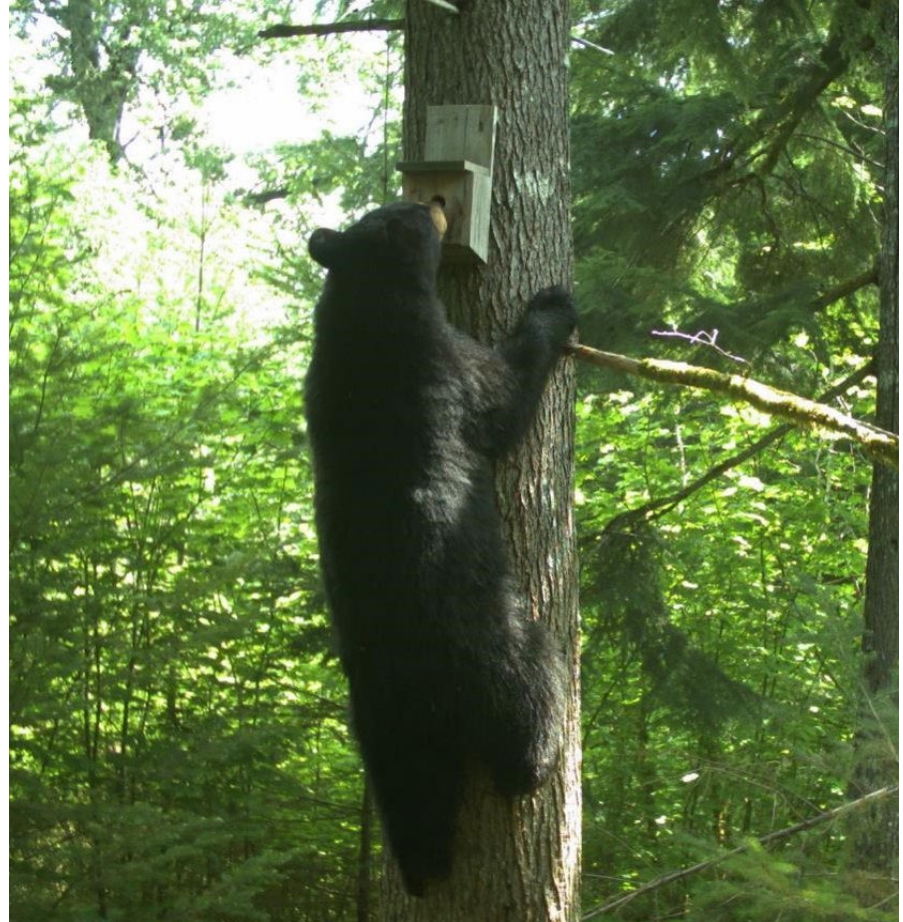
April 12, 2023





# Agenda

- Introduction
- SD5 Purpose Statement
- SD5 Measurements
- Tacoma Rail
- Tacoma Water
- Tacoma Power



*A curious black bear at the Green River Watershed*



# SD5 Purpose Statement

TPU is committed to being stewards of the region's beautiful natural resources, and a leader in the preservation, protection, and restoration of those resources while maintaining our excellent delivery of services.

It is clear that in order to ensure we fulfill our operational duties into the future we must balance our resource usage with the health of our environment.



*Upper Cowlitz River basin*



# SD5 Measurements

1. Track progress on related Tacoma Environmental Action Plan and participate in City's Greenhouse Gas Inventory.
2. Adherence to Watershed Management Plan.
3. Adherence on Electric Transportation Plan.
4. Adherence to environmental measures within our FERC licenses.
5. Environmental leadership will be reflected in legislative priorities.
6. Track community outreach and communication activities related to environmental leadership.
7. Customer survey results regarding environmental leadership.





# Tacoma Rail

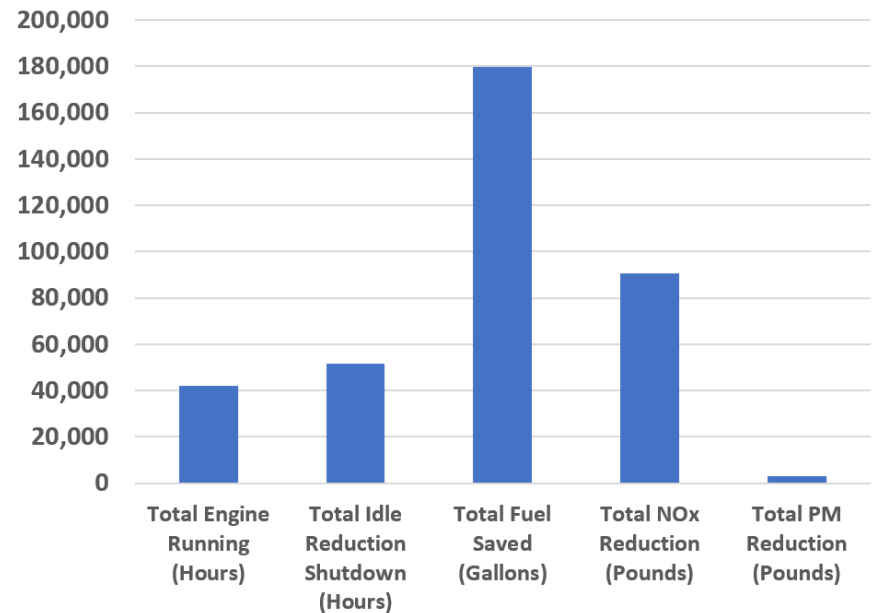
## 2022 Major Accomplishments

- Awarded \$3.6M grant for acquisition of two zero emission locomotives.
- Resource Conservation & Climate Actions (RCCP) goals for Rail.

## Oil Spill Contingency Plan

- Maintained statutory/regulatory compliance of the Oil Spill Contingency Plan (OSCP); current version expires November 2023.

2022 Idle Reduction Savings



# Tacoma Rail

## Looking at 2023

- Will continue to explore alternative fuels and other options to accelerate decarbonization of the locomotive fleet.
- Continue routine engagement with various stakeholder groups to ensure readiness for rapid implementation of our Oil Spill Contingency Plan, if necessary.

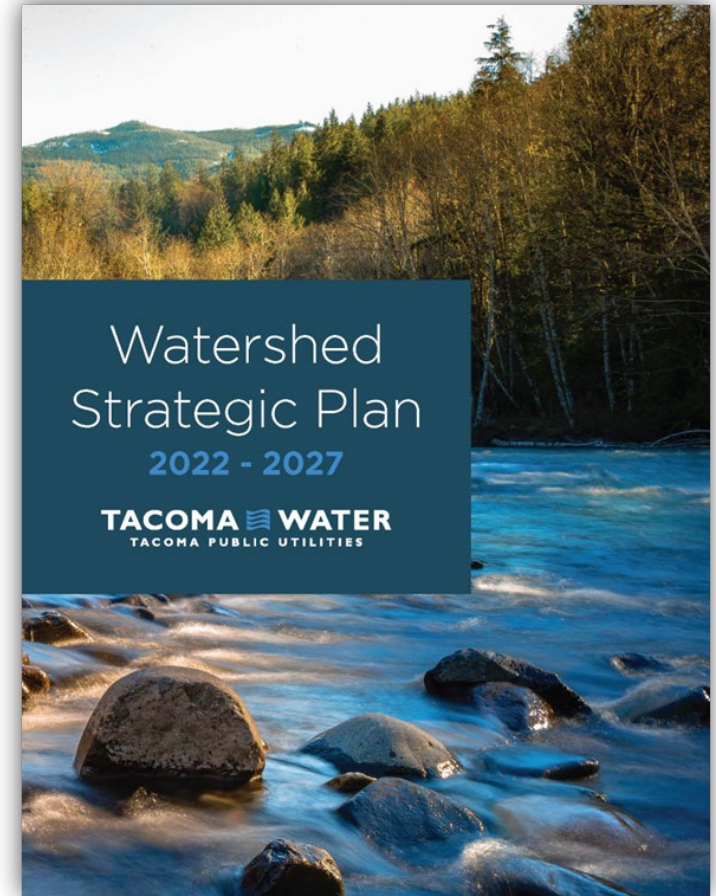


# Tacoma Water - Watershed Management Plan

## 2022 Major Accomplishments

- Completed and launched a 5-year Watershed Strategic Plan
- Worked with the USACE Howard Hanson Dam downstream fish passage team to select a preferred design
- Ongoing operational activities

Preferred passage facility  
feasibility design

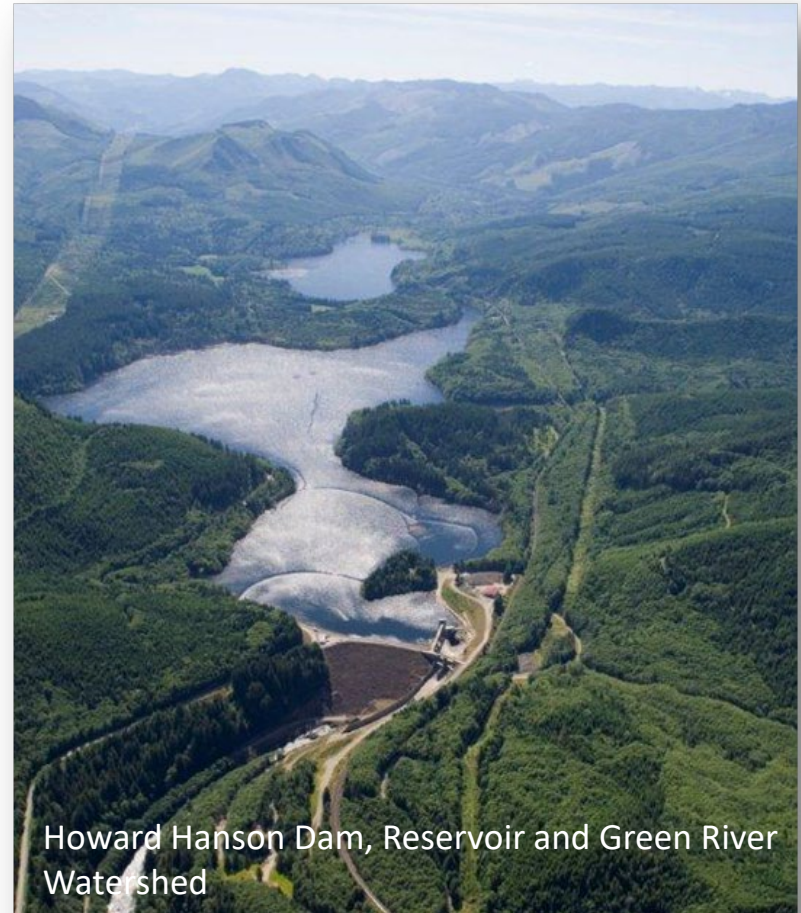




# Tacoma Water - Watershed Management Plan

## Looking at 2023

- Work with USACE Howard Hanson Downstream Fish Passage team to develop 35% design
- Forecast Informed Reservoir Operations (FIRO)
- Watershed Strategic Plan implementation
- Green River Watershed land acquisition



Howard Hanson Dam, Reservoir and Green River Watershed





# Tacoma Power

## Environmental Measures Within our FERC Licenses

### 2022 Major Accomplishment

#### Developed Natural Resources Mission and Vision

- **Mission:** Lead the sustainable stewardship of natural resources. Ensure a balance of reliable and affordable clean energy and a healthy environment for current and future generations.
- **Vision:** To be exceptional stewards of our resources, trusted partners in our communities, and fearless advocates for diversity, equity and inclusion.



# Tacoma Power

## Environmental Measures Within our FERC Licenses

### 2022 Major Accomplishments

- Reared and released over 10 million fish and transported over 750,000 fish supporting salmon recovery efforts.
- Expanded Chinook Recovery Efforts into the South Fork Skokomish Basin in collaboration with Skokomish Tribe and agencies.
- Completed and began implementing comprehensive plans toward recovery for 15 fish species within Cowlitz Basin.





# Tacoma Power

## Environmental Measures Within our FERC Licenses

### 2022 Major Accomplishments

- Managed over 20,000 acres of land to benefit native wildlife species.
- Enhanced upland habitat through forest thinning.
- Completed reconditioning 50 acres of elk forage fields on our Cushman Wildlife Lands.
- Assisted 37 lot owners with shoreline stewardship.



# Tacoma Power

## Environmental Measures Within our FERC Licenses

### 2023 Look Ahead

- Begin relicensing planning for Nisqually, Cowlitz and Wynoochee.
- Initiate Mayfield Juvenile Bypass System Improvement Project.
- Initiate Cowlitz Trout Hatchery Renovation project.
- Develop Forest and Road Inventory Programs.





# Tacoma Power

## Energy Research and Development

### 2022 Major Accomplishments

- Allocated \$1.5M in grant funding to install 100+ EV charging ports in parking lots, multifamily dwellings, at business districts, and at the Port of Tacoma.



### New Programs:

- **Fleet Charging Program** - designing a program to support commercial fleet electrification with incentives for charging equipment and supporting managed charging to launch in early 2024.
- **Re-tool/re-launch Community EV charging program** – using \$1M in external funding to reduce barriers for EV charging in public and multifamily spaces with a special focus on disadvantaged communities.



# Tacoma Power

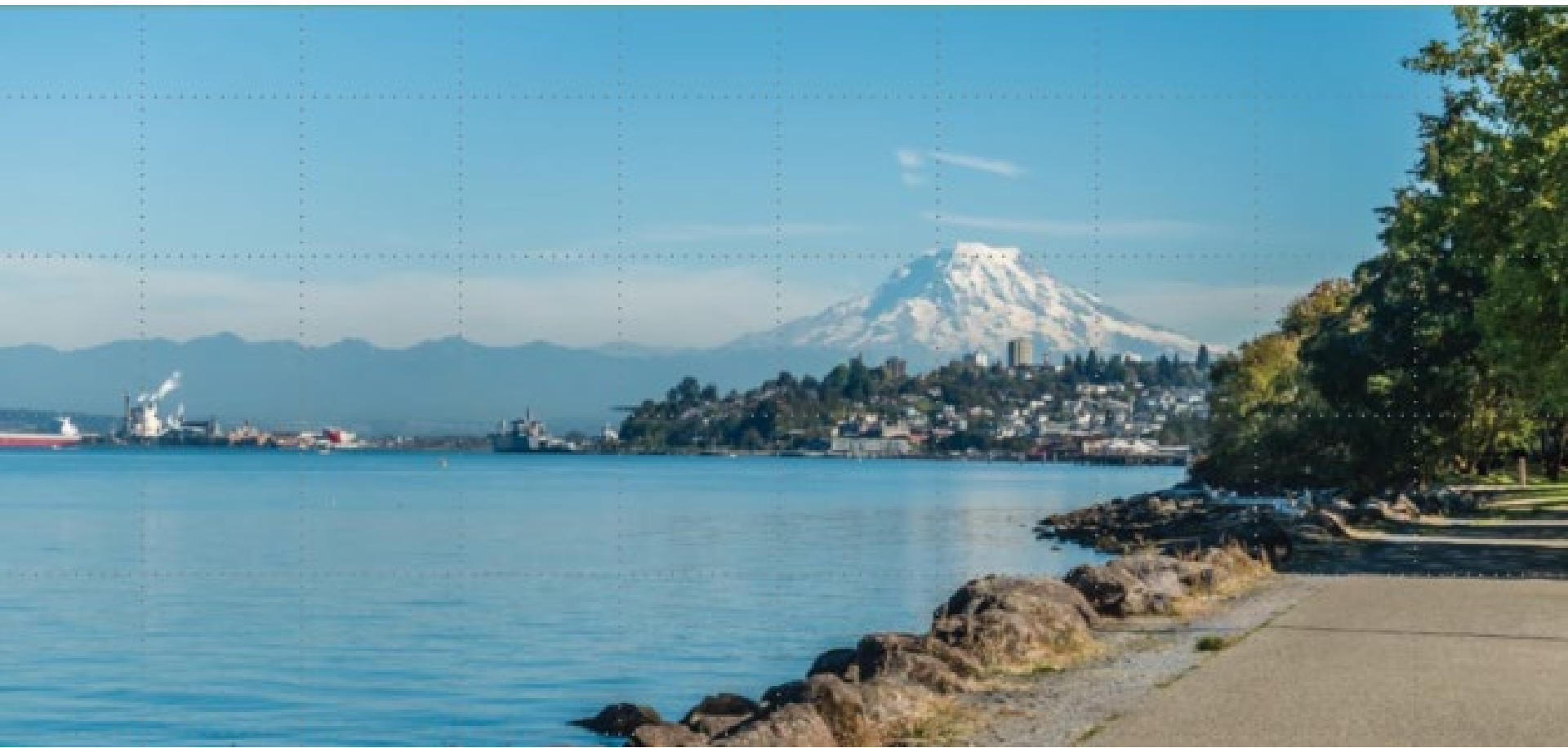
## ER&D and Green Energy Programs – Communications

### 2023 Look Ahead

- Continue to support program initiatives and pilots, and engage customers and stakeholders with brand updates and new video content.
- Joining the voluntary WA Clean Fuel Standard Program to access funding for future transportation electrification projects.
- Completion of study to investigate the benefits and costs of installing a microgrid at Franklin Pierce High School to increase community resiliency and accommodate future fleet electrification.







Thank you

