



SD5 – Environmental Leadership 2020 Update

Jan. 27, 2021



Agenda

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



*Wildlife and Recreation Coordinator Pam Hefley
(Natural Resources) and a flying squirrel at the
Nisqually River Project.*



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.



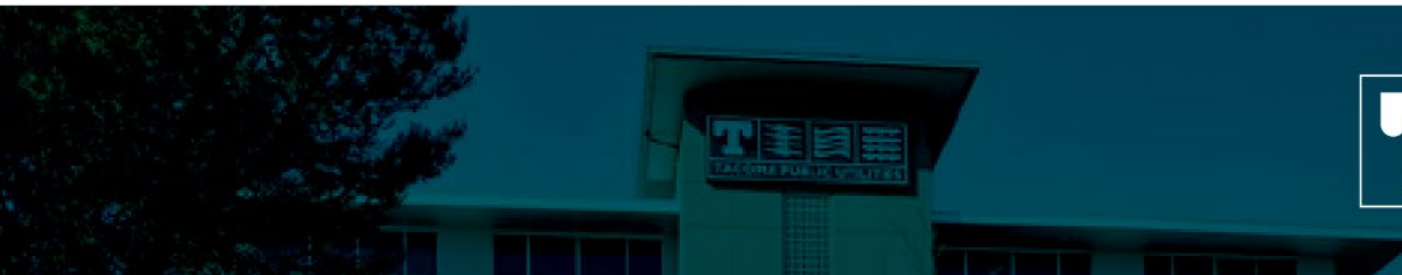
SD5 Purpose Statement

TPU is committed to being stewards of the region's bountiful 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.



Cowlitz River below Mayfield Dam



Tacoma Rail

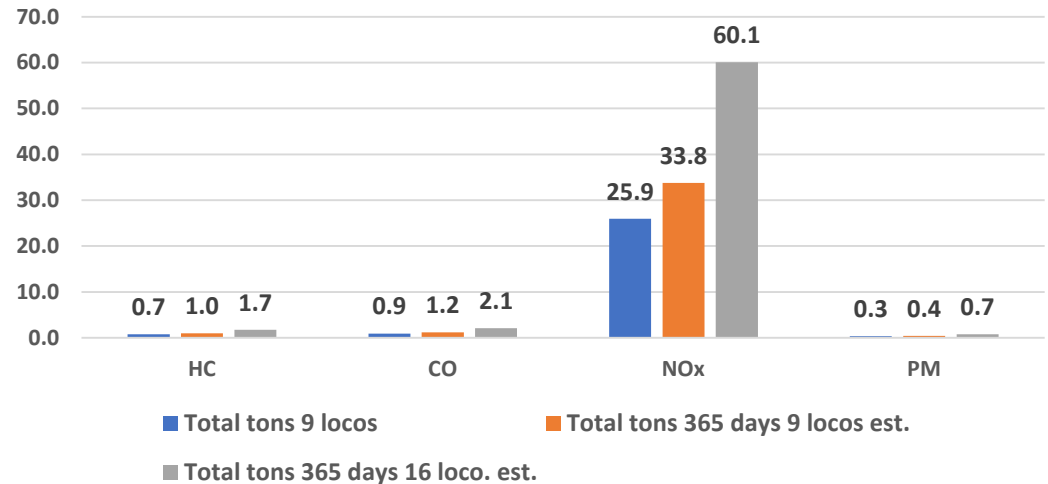
2020 Major Accomplishments

- Acquired and repowered two locomotives.
- Installed idle reduction tracking equipment on all locomotives.
- Successfully executed an all-virtual tabletop drill of the Oil Spill Contingency Plan (OSCP).

COVID-19 Impacts

- Interrupted anticipated Worst Case Scenario (WCS) drill of the OSCP.
- Will continue to disrupt equipment deployment drill evaluations by Ecology staff in 2021, as well as 2021 WCS drill.

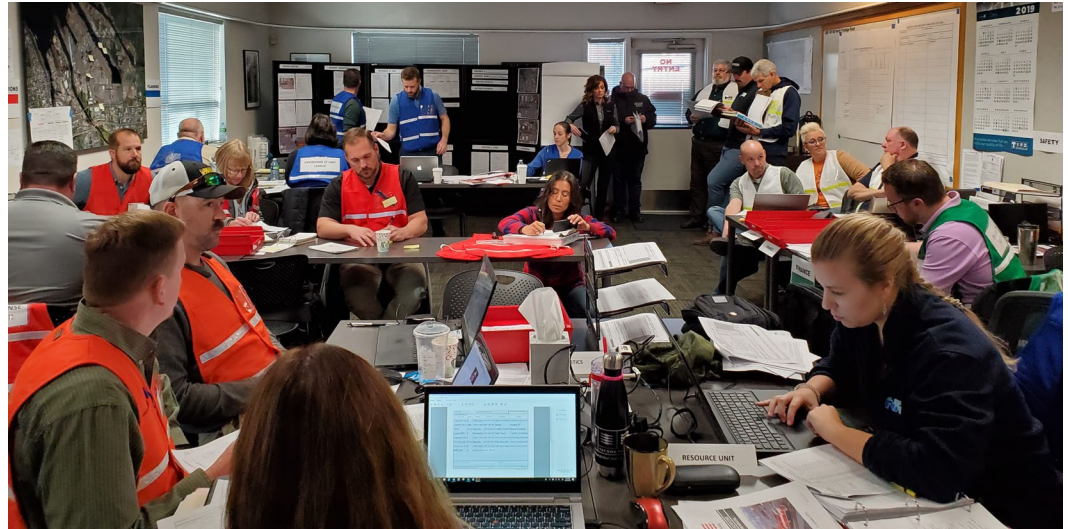
2020 Idle Reduction Emission Savings



Tacoma Rail

Looking at 2021

- Will execute a WCS drill of our OSCP in 2021; likely a hybrid of physical and virtual spaces.
- Plan to resolve software challenge with locomotive idle reduction tracking equipment.
- Continue to explore alternative fuels and other options for greener locomotive fleet.



Tacoma Water - Watershed Management Plan

2020 Major Accomplishments

- Replaced and upsized 9 culverts to pass 100-year flow events and associated debris.
- Repaired landslide and river erosion damage from February flood event.
- Worked with the USACE Howard Hanson Dam downstream fish passage team to evaluate passage alternatives.



COVID-19 Impacts

- Put a halt on in-person tours of the watershed, restoration activities, and fish trap operations.



Tacoma Water - Watershed Management Plan

Looking at 2021

- Acquisition and restoration of the Lester Airstrip from WA DOT.
- Seek permission to abandon an unused U.S. Forest Service Road on Tacoma Water property near the Green River.
- Investigate establishment of a native plant nursery for improved restoration and mitigation project success.
- Increase use of mechanical approaches (mowing) to control noxious weeds in the watershed.



Tacoma Water - Conservation and Outreach

2020 Major Accomplishments

- Distributed 198 customized water savings kits to customers via new program.
- Posted 70 rebates for smart irrigation controllers.
- Developed children's outreach piece.
- Expanded watershed and water system messages in social media.

COVID-19 Impacts

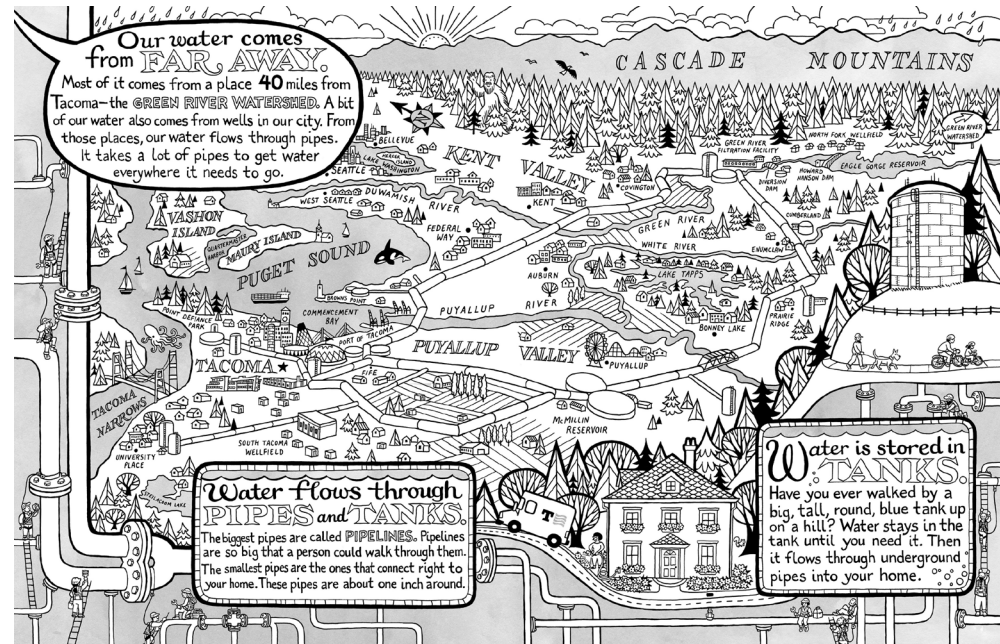
- No public events at which to host a table/booth.
- Switched to mailed kit program, which ended up being a positive change.
- Suspended in-home visit ("home water walkthrough") program. Offered phone support instead.



Tacoma Water - Conservation and Outreach

Looking at 2021

- Increase savings kits distribution.
- Continue rebates.
- Focus on the conservation opportunities of AML rollout.
- Virtual outreach when possible, perhaps in-person again?
- Teacher professional development - teaching about utilities.
- Distribution of children's piece digitally and on paper.



New children's outreach piece.



Tacoma Power

Environmental Measures Within our FERC Licenses

2020 Major Accomplishments

- Adult sockeye returned to the North Fork Skokomish River.
- Submission of the Fisheries and Hatchery Management Plan (FHMP).



Fisheries technician Charlie Henry and the first returning sockeye

COVID-19 Impacts

Curtailed fish collection studies; impacts included:

- Limited our ability to gain the knowledge we need to know how to adapt our fish collectors to meet our FERC-required fish collection goals.
- A slow-down in progress may hasten the need for large capital investments.



Floating Juvenile Fish Collector at Cushman Dam No. 1



Tacoma Power

Environmental Measures Within our FERC Licenses

Looking at 2021

- Cowlitz Trout Hatchery remodel.
 - Hire project manager, fish husbandry specialist, and design team.
 - Begin design process – anticipate 6-8 years of construction.
- Create implementation plans for FHMP and satellite ponds.



Cowlitz Trout Hatchery



Additional Outreach

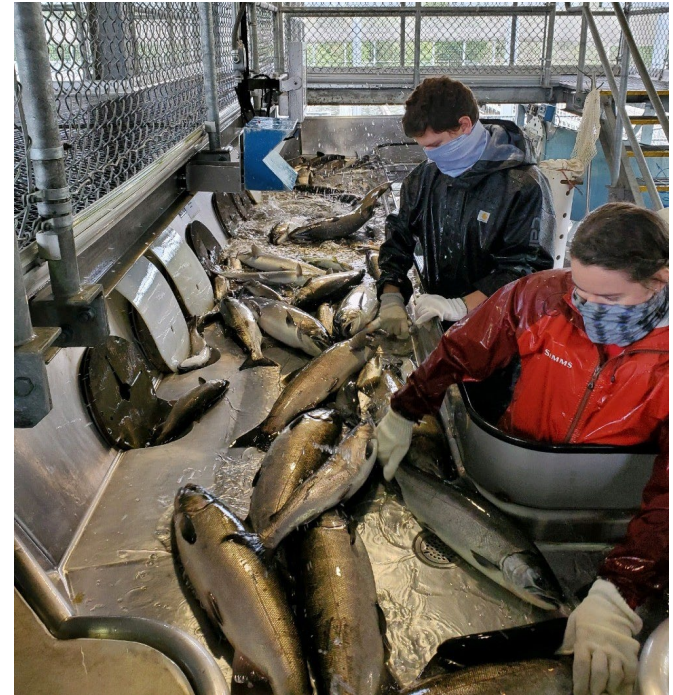
Tacoma Power – Natural Resources

2020 Major Accomplishments

- First virtual meeting (FHMP).
- Nisqually Watershed Festival.
- Kosmos Flats environmental cleanup.

COVID-19 Impacts

- Couldn't host in-person meetings or events, limiting our ability to reach some key stakeholders.
- Unable to host tours at our facilities or present in local classrooms.



Sorting a massive 2020 run of coho at the Cowlitz Salmon Hatchery separator.



Additional Outreach

Tacoma Power – Natural Resources

Looking at 2021

- Host second virtual FHMP meeting.
- Develop additional ways to connect virtually: e-newsletters, videos, infographics, online brochures.
- Outreach campaign to gain additional email addresses from interested stakeholders.



*Barred owl
(Nisqually River Project)*



Tacoma Power

ER&D and Green Energy Programs - Communications

2020 Major Accomplishments

- Produced Transportation Electrification Plan and Strategic Guidelines, and associated first annual Action Report.
- Supported promotion and selection of one Evergreen Options grant.
- Supported launch of three electric vehicle Supplemental Environmental Projects.



COVID-19 Impacts

- Stakeholder communications were paused/delayed.
- Reduced the number of annual Evergreen Options grants from two to one and delayed the application window.
- For 2021, we will remain aware of any rental/eviction moratorium deadlines, and other sensitivities for businesses, as we promote our programs.

Shiloh Baptist Church received the 2020 Evergreen Options grant.



Tacoma Power

ER&D and Green Energy Programs – Communications

Looking at 2021

- Continue to support program initiatives and pilots, and engage customers and stakeholders with brand updates and new video content.





Thank you

