



PUGET SOUND
PARTNERSHIP

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Action Agenda Progress Indicators

Tracking Elements of Oil Spill Management

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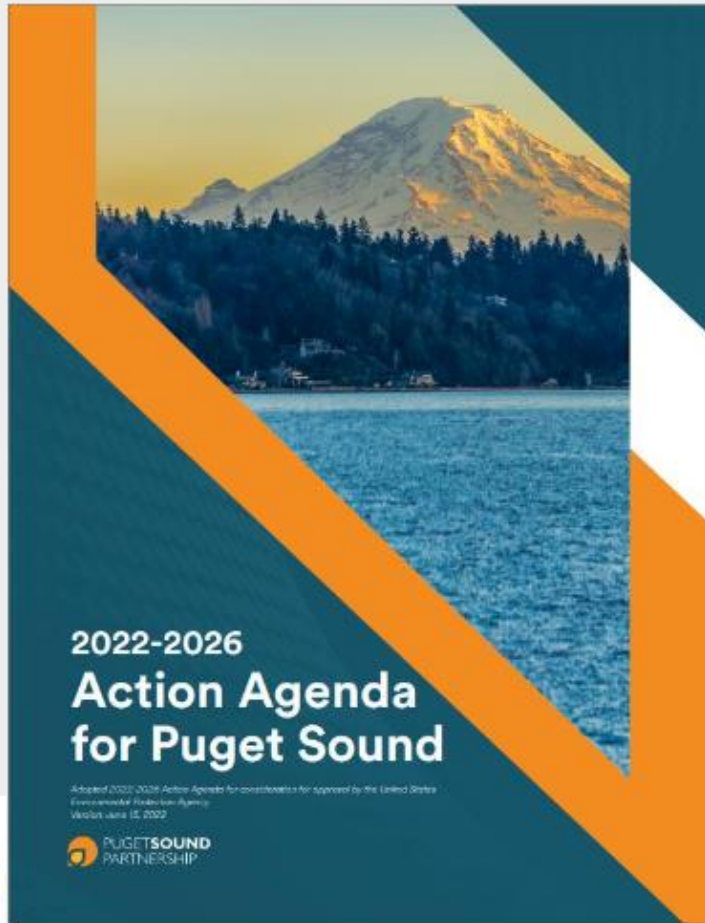
January 26, 2024

Today's Presentation

- Action Agenda Progress Indicators: What, Why, and How
- Overview of Proposed Oil Spill Progress Indicators
- Group Discussion
 - Feedback on Indicators
 - Guiding questions
 - Alternate definitions of success? Existing goals around management? Key barriers?

Recovery Approach

Plan -----> *Implement* -----> *Desired Outcomes*



HEALTHY HUMAN POPULATION
Air quality, drinking water, etc.

VIBRANT HUMAN QUALITY OF LIFE
Cultural wellbeing, etc.

THRIVING SPECIES & FOOD WEB
Orcas, salmon, forage fish, etc.

FUNCTIONING HABITAT
Estuaries, streams, floodplains, etc.

HEALTHY WATER QUALITY
Freshwater, marine water, toxics, etc.

Action Agenda Progress Indicators

Measures that evaluate human activities that influence ecosystem conditions



- Focused on the **directives of the Action Agenda**, thereby measuring changes in issues of regional significance



- Measured at the **Sound-wide scale**



- Reflective of **recovery community's own performance influencing change**



- **Responsive** to our investments

Plan -----> *Implement Solutions* -----> *Achieve Outcomes*



- ❖ Increase capacity for early local response to spills
- ❖ Strengthen and integrate spill response readiness of all partners
- ❖ Analyze the cumulative risk and consequences of oil spills

Hypotheses

- **Oil spills & volume of oil spilled should decrease**
- **Regional partners have access to response equipment**



Vital Signs

- Marine Water
- Toxics in Aquatic Life
- Orcas
- Shellfish Beds
- Cultural Wellbeing
- Sound Stewardship

Oil Spill Progress Indicators

***Are our hypotheses correct?
Are we achieving desired outcomes?***

*Oil spills & volume of oil spilled
should decrease*

*Regional partners should have
access to response equipment*

Evaluated by

Volume of oil spilled to water
from all sources

Desired trend:



Estimated monetary cost of
oil spill damages (via NRDA)

Desired trend:



Evaluated by

Unmet need in grant money
for emergency equipment

Desired trend:



Oil Spill Progress Indicators

Volume of oil spilled to water
from all sources

Desired trend:



Estimated monetary cost of
oil spill damages (via NRDA)

Desired trend:



Unmet need in grant money
for emergency equipment

Desired trend:



With Progress Indicators we can answer...

- How is the number of spills and volume spilled changing over time?
- Do NRDA totals vary regionally? How do they change over time?
- Are needs for emergency equipment being met? How are is the need changing over time?

We can better understand trends with...

- Interviews with spill response personnel, managers
- Investment analyses
- Effectiveness analyses
- Community-based research studies

Are we reducing the release of oil into the environment?

Volume of Oil Spilled to the Environment from all Sources

175.24K

Gallons Spilled in 2022

Target: 0 gallons spilled to the environment.

Estimated Financial Damages from Oil Spilled

As estimated via Natural Resource Damage Assessments (NRDA)

35.53K

Dollars in Damages in 2022

Unmet Need in Grant Money for Emergency Response Equipment

3M

Dollars Still Needed in 2021-2023

Explore Progress Indicators by year and geographic region

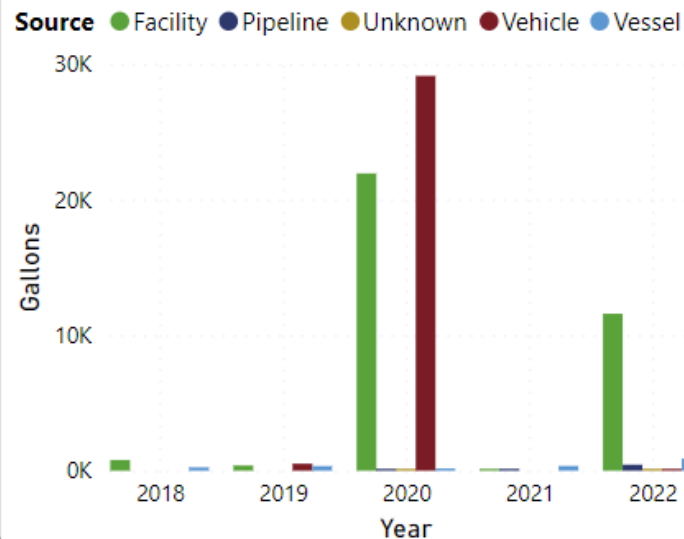
View Oil Spills

View Estimated Damages

View Unmet Grant Need

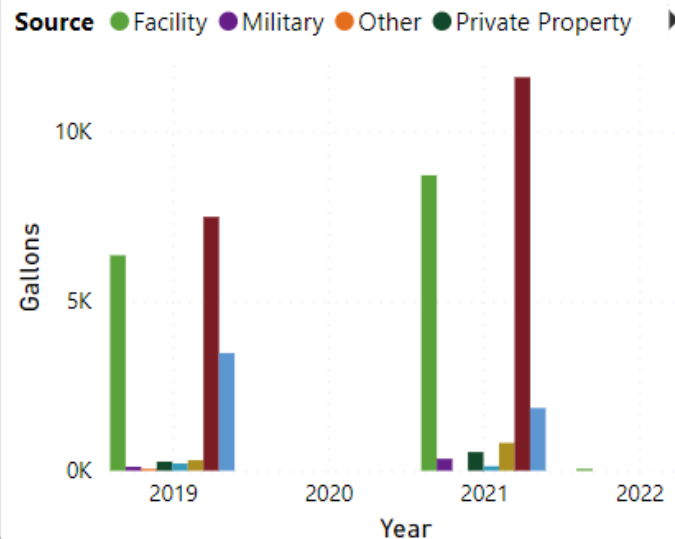
Volume of Oil Spilled

Regulated Sources



Volume of Oil Spilled

Non-regulated Sources



- Charts available for each indicator
- Options to “drill” into geographic areas and time periods of interest
- Display of key dimensions, like spills from regulated vs. un-regulated sources

Year

use “ctrl” to select multiple

All

County

use “ctrl” to select multiple

All

Water Resource Inventory Area (WRIA)

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All

View Oil Spills Map

Discussion

- Questions?
- Input on reporting considerations..?
 - What should the desired trend be for NRDA indicator (if any)? Should it be an “indicator”, or rather contextual information?
 - What types of oil spilled are most important to report (e.g., motor oil, gasoline, diesel, etc.)?
 - What activities occurring when oil is spilled are most important to report (e.g., fuel transfer, static, in motion, etc.)?
 - What critical context is important to communicate with these indicators (e.g., criteria guiding NRDA, etc.)
- What are key outstanding barriers to progress in oil spill management?
- Are there any existing regional goals around oil spill prevention and/or mitigation?