

# Project Authorization for NWPCAS Implementation Plan and Resolution 2021-11-PT

Steve Nicholas, Environmental  
Senior Project Manager

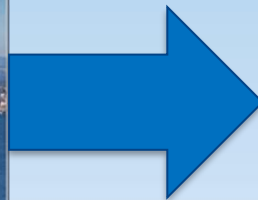


# Action Request



Request adoption of Resolution 2021-11-PT,  
the Port of Tacoma's 2021-2025 Clean Air  
Implementation Plan.

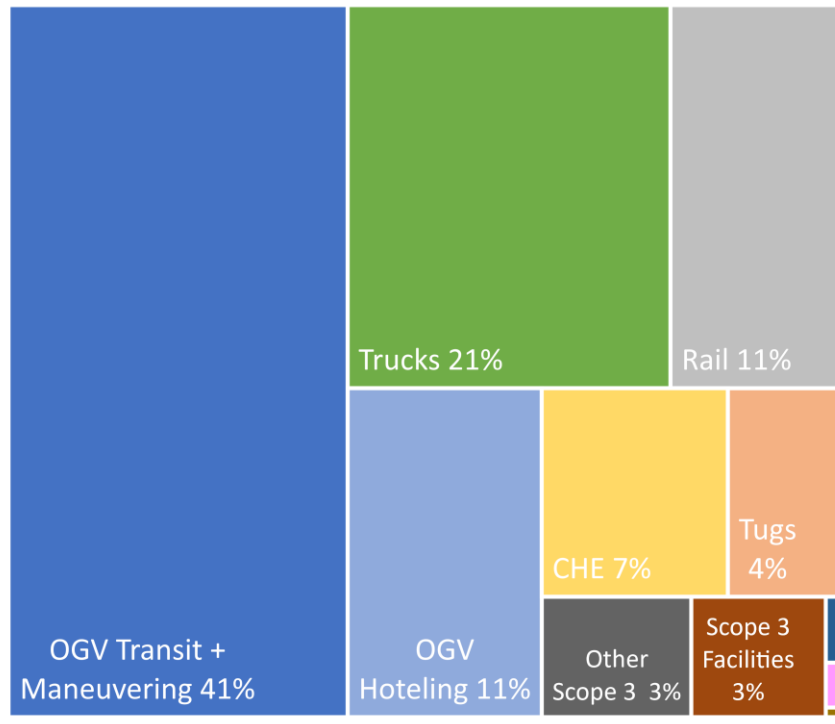
# From four-port strategy to port-specific implementation plans



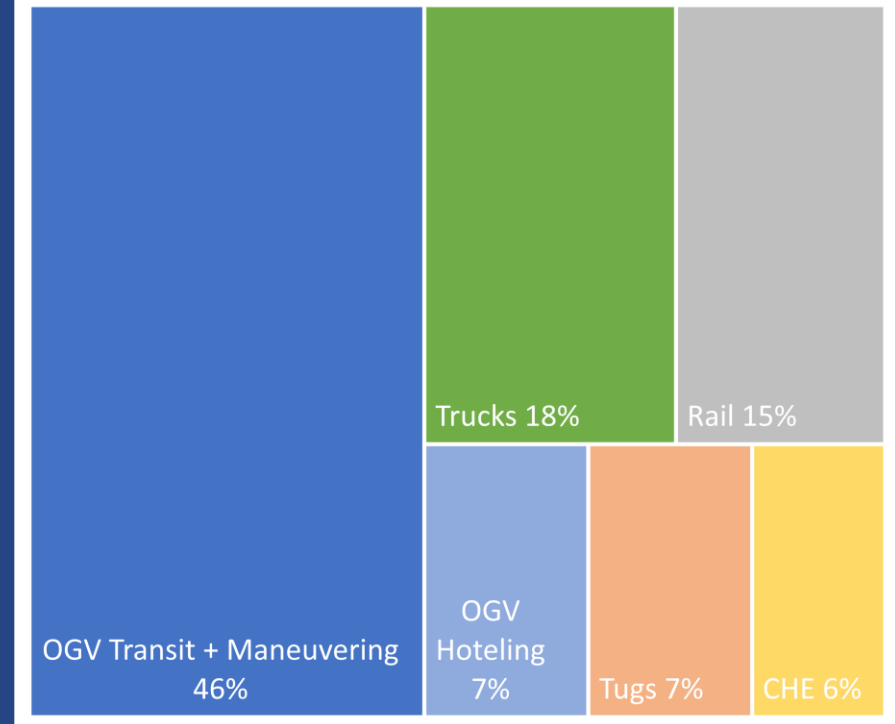
# Tacoma Harbor Seaport Related Emissions (NWSA + Port of Tacoma)



### Greenhouse Gases (GHG)



### Diesel Particulate Matter (DPM)



Gray (other Scope 3) = Employee commuting (port + tenant), business travel, waste, etc.

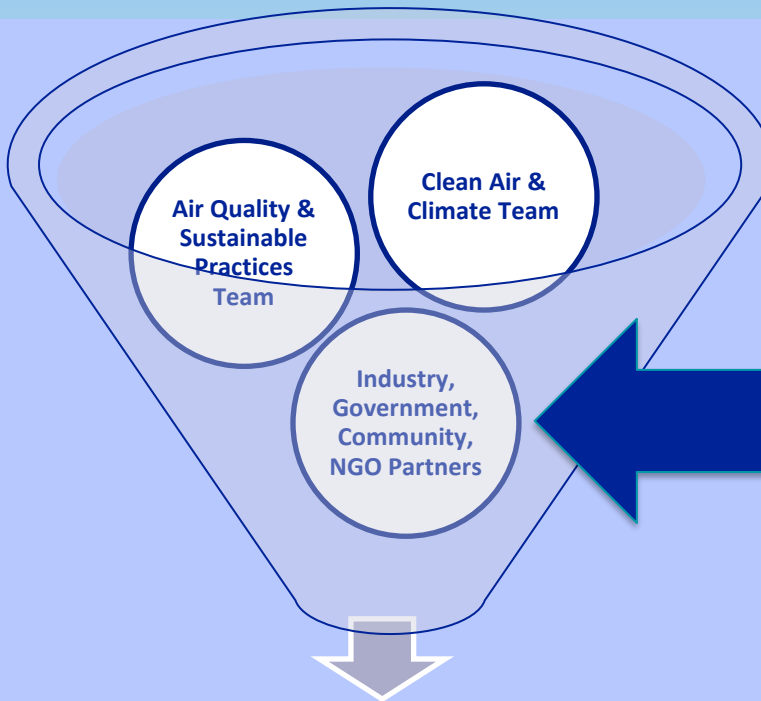
Red (scope 3 facilities) = Tenant operated buildings and vehicles

Dark blue (scope 1 and 2 facilities) = Port operated buildings/facilities

Pink (scope 3 light duty fleets) = Tenant owned passenger vehicles

Orange (scope 1 fleet) = Port's passenger vehicles

# Implementation Plan Development



**Draft Implementation Plan**

→ 30 groups  
→ Multiple workshops, focus groups, 1:1 consultations, surveys  
→ Written comments

# Major Changes Based On Input



- Added interim GHG reduction target for 2040: statewide target of 70% reduction
- Strengthened community engagement section
- Clarified accountability framework

# Port Buildings & Facilities

Key Actions	Key Milestones
<ol style="list-style-type: none"> <li>1. Increase energy efficiency and clean energy usage in existing Port buildings</li> </ol>	<ol style="list-style-type: none"> <li>1. Energy efficiency improvements at Fabulich Center complete (end 2022)</li> </ol>
<ol style="list-style-type: none"> <li>2. Develop sustainable building policy/program for new Port buildings</li> </ol>	<ol style="list-style-type: none"> <li>2. “Clean Buildings Framework” for existing Port buildings complete (June 2022)</li> </ol>
<ol style="list-style-type: none"> <li>3. Explore feasibility of new Port Administration Building that is net zero-emissions</li> </ol>	<ol style="list-style-type: none"> <li>3. Sustainable Building Policy for new Port buildings adopted (end 2022)</li> </ol>
<ol style="list-style-type: none"> <li>4. Develop program encouraging tenants to increase energy efficiency and renewable energy use in existing and new buildings</li> </ol>	<ol style="list-style-type: none"> <li>4. Net-zero building technologies integrated into new Port Administration Building/Maritime Center</li> <li>5. Program encouraging energy efficiency and renewable energy use by Port tenants in place (end 2023)</li> </ol>

# Port Vehicles & Fleets

Key Actions	Key Milestones
<ol style="list-style-type: none"> <li>1. Plan and install EV charging for Port vehicles</li> <li>2. Develop a Sustainable Fleet Management Plan</li> <li>3. Reassess Port's commute trip reduction program</li> <li>4. Develop a program for encouraging tenants to transition to zero-emission vehicles and fleets</li> </ol>	<ol style="list-style-type: none"> <li>1. EV charging installed at strategic locations: existing Port Administration Building (2022); new Administration Building/Maritime Center (TBD); Maintenance Building (2023); EB-1 Terminal (2024); North Intermodal Yard (2025)</li> <li>2. Sustainable Fleet Management Plan complete (end 2022)</li> <li>3. Commute trip reduction program refreshed (TBD)</li> </ol>





# Infrastructure & Technology

<b>Key Actions</b>	<b>Key Milestones</b>
1. Complete South Harbor Electrification Roadmap	1. South Harbor Electrification Roadmap complete (June 2023)
2. With other ports, assess zero-emission technology readiness	2. Zero-emission technology assessment framework completed (end 2022)
3. Implement zero-emission technology demonstration and pilot projects	



# Industry & Community Engagement



Key Actions	Key Milestones
<p><b>Industry:</b></p> <ol style="list-style-type: none"><li>1. Continue to partner on grants</li><li>2. Strengthen tenant engagement and support</li></ol> <p><b>Community:</b></p> <ol style="list-style-type: none"><li>1. Develop on-going communications mechanism(s)</li><li>2. Complete “community clean air &amp; climate resource guide” with near-port communities</li><li>3. Collaborate with near-port residents and groups to develop on-going engagement program</li></ol>	<ol style="list-style-type: none"><li>1. On-going tenant/industry engagement and partnership program launched with NWSA (end 2022)</li><li>2. Quarterly update on NWPCAS implementation published (starting Q1 2022)</li><li>3. “Community Resource Guide on Clean Air &amp; Climate Solutions” completed (end 2022)</li><li>4. On-going community engagement and partnership program developed and launched (end 2022)</li></ol>

# Policy Advocacy & Funding

## Key Actions

1. With NWSA, strengthen state engagement program with a strong focus on key rule-makings (Clean Fuel Standard, WA Climate Commitment Act)
2. Continue to collaborate closely with the Puget Sound Clean Air Agency (PSCAA), cities, and counties on implementation of our respective clean air and climate plans
3. Support NWSA efforts to strengthen international & federal engagement

## Key Milestones

1. Port of Tacoma clean air and climate investments are supported through implementation of the state Clean Fuel Standard and/or Climate Commitment Act
2. Additional federal, state, and regional funding is secured for clean air and climate investments
3. Stronger emission standards for international shipping are developed

# Estimated 5-Year Implementation Costs



<b>Port Fleets &amp; Facilities</b> <ul style="list-style-type: none"><li>▪ Energy efficiency upgrades (\$800,000)</li><li>▪ EV charging infrastructure @ existing and new Port Administration Buildings, EB-1 Terminal, NIM Yard/Maintenance (\$3M)</li><li>▪ EVs for Port Administrative fleet (\$600,000)</li><li>▪ Sustainable Building Policy development</li><li>▪ Sustainable Fleet Management Plan development</li></ul>	≈\$4.5M
<b>Other Actions</b> <ul style="list-style-type: none"><li>▪ Industry engagement</li><li>▪ Community engagement</li><li>▪ Policy engagement</li><li>▪ South Harbor Electrification Roadmap contribution</li><li>▪ Emissions inventory contribution</li><li>▪ Technology assessment contribution</li></ul>	≈\$800,000
<b>TOTAL for 2021-2025</b>	≈\$5.3M

# Accountability Framework



***Every Year:*** Track/report on progress and update Implementation Plan

***Every 5 Years:*** Update emission inventory and renew NWPCAS

# Conclusion



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Implementation Plan.