WELCOME

PRESENTED BY:

• CHRISTY BEZANSON, DIRECTOR, RESULTS WASHINGTON
Zoom Overview
Public Performance Review Purpose

The Public Performance Review is our monthly meeting with the Governor, leaders, agency experts, and community members designed to:

• Focus on a cross-agency project tied to the Governor’s priorities

• Hear from those impacted by the project – those with lived experiences and those who are customers and process partners in the community

• Engage in discussions and problem-solving on these complex topics
Public Performance Review Project
Selection

1. Held agency meetings to finalize improvement project recommendations for each Goal area topic.

2. Agencies self-selected their participation and designated subject matter experts (SMEs) for each improvement project based on RASCI criteria.

3. Facilitated agency meetings to finalize improvement project focus for each Goal area.

4. RW and agency SMEs have been actively working to define project scope and develop charters and project plans.
Project Focus

In partnership with the State Efficiency and Environmental Performance Office (SEEP), integrate enterprise-level and agency business processes and operations to align with emissions reduction goals.
Project Team

**Sponsoring Agencies**
Department of Commerce, Department of Ecology, Department of Enterprise Services

**Support, Consulted, and Informed Agencies**
- Department of Health
- Office of Financial Management
- Puget Sound Partnership
- Washington State Department of Transportation
PROJECT INTRODUCTION

PRESENTED BY:

• LAURA WATSON, DIRECTOR, DEPARTMENT OF ECOLOGY
OPPORTUNITY AND PROJECT OVERVIEW

PRESENTED BY (IN ORDER OF PRESENTATION):

- Stacey Waterman-Hoey, GHG Emissions Analyst, Department of Ecology
- Hanna Waterstrat, SEEP Director, Department of Commerce
Washington State GHG Emissions

- 1990 levels: 90.5 MMT*
- Peak emissions: 108.62 MMT*
- 8.5% above 1990 levels

Future limits:
- Equal to 1990 levels
- 45% below 1990 levels
- 70% below 1990 levels
- 95% below 1990 levels & net zero
Change in carbon intensity, 2005 forward
### Washington GHG Emission Limits:

<table>
<thead>
<tr>
<th>Year</th>
<th>Washington State</th>
<th>State Agencies Climate Leadership Act</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>1990 level</td>
<td>15% below 2005 baseline</td>
</tr>
<tr>
<td>2030</td>
<td>45% below 1990</td>
<td>45% below 2005</td>
</tr>
<tr>
<td>2040</td>
<td>70% below 1990</td>
<td>75% below 2005</td>
</tr>
<tr>
<td>2050</td>
<td>95% below 1990, net zero</td>
<td>95% below 2005, net zero</td>
</tr>
</tbody>
</table>
State Agency Historic Emissions & Future Limits

**Buildings and Transport Emissions from 21 Largest Agencies**

- **2005**: 879,036
- **2020**: 624,099
- **2020 Limit**: 747,181
- **2030 Limit**: 483,470
- **2040 Limit**: 219,759
- **2050 Limit**: 43,952
State Agencies Progress Report

- 16 out of 21 agencies met their individual 2020 emission reduction goals
- Overall, state agencies reduced their emissions 16% below their 2020 limit

Was it the pandemic? Not entirely...

- 12 of these agencies met the 2020 goals in 2019
- Across all agencies, emissions were 4% above the limit in 2019
Largest state agency emitters

- Limit (15% below 2005)
- 2020 Emissions
State Agency GHG Emissions by Sector

metric tons CO₂e

2020 was 20% below 2019

Buildings includes Natural Gas and Electricity
Thank you

Stacey Waterman-Hoey
Air Quality Program, Climate Policy Section
swat461@ecy.wa.gov
We strengthen communities

HOUSING
HOMELESSNESS

INFRASTRUCTURE

BUSINESS
ASSISTANCE

ENERGY

PLANNING

COMMUNITY FACILITIES

CRIME VICTIMS &
PUBLIC SAFETY

COMMUNITY
SERVICES
SEEP basics

Executive Order 20-01:
• Reduce greenhouse gas emissions
• Zero energy buildings
• Electric vehicles
• Sustainable purchasing

Collaborative framework:
• Executive Governing Council
• Subject-specific working groups
• Expert support
Working together to reduce GHG emissions

Recent changes to RCW 70A.45.050 will link greenhouse gas emission reporting to agency decision-making.

• The old way:
  • Report greenhouse gas emission emissions data.
  • Identify actions taken in the previous two years to reduce emissions.

• The new way:
  • Report greenhouse gas emission data.
  • Identify strategies to meet emissions limits.
  • Make recommendations to the Legislature.
  • Partner with Ecology to support strategy development and reporting efforts.
Agency strategies to reduce GHG emissions

Priority actions include:

- Fleet electrification: Add EV charging to state facilities
- Building decarbonization:
  - All-electric energy systems/HVAC
  - Improve building energy efficiency
  - Zero energy buildings with on-site solar (new construction)
  - Lower carbon building materials
- Electrify district heating systems
- WSDOT: Ferry electrification
Existing policies and requirements

• State agency greenhouse gas reporting (RCW 70A.45.050)
• Clean Buildings (RCW 19.27A.200)
• Energy benchmarking (RCW 19.27A.190)
• Environmentally preferred purchasing
• Fleet electrification (Executive Order 21-04)
• Low carbon construction (Buy Clean and Buy Fair)
Role of SEEP

- Leadership and oversight
- Strategic interagency coordination
- Budget and funding requests
- Policy and program development
- Training, guidance and technical assistance
Thank you!

Hanna Waterstrat
SEEP DIRECTOR
hanna.waterstrat@commerce.wa.gov
360-764-0015
Governor Q&A
AGENCY PROJECT

PRESENTED BY (IN ORDER OF PRESENTATION):

• BROOK BEEFER, EASTERN REGION DIRECTOR, DEPARTMENT OF ECOLOGY

• SAM HUNN, EASTERN WASHINGTON SPILL RESPONSE UNIT SUPERVISOR, DEPARTMENT OF ECOLOGY
Washington State’s first Net-Zero building

Brook Beeler, Eastern Region Director
Nov. 18, 2021
Ecology below 2020 limit
and approaching 2030 limit
All charged up!
Investing in a cleaner future
Ready to work for Washington
And did we mention, Net Zero?
A great, **green** place to work
Improving spill response and performance at Ecology’s new Net-Zero Eastern Region Annex

Sam Hunn, Spills Response Supervisor

Nov. 18, 2021
Eastern Washington spill response incidents by county
Seconds matter...
A place for everything
...and everything in its place
On scene, on time
Thank you

Samuel Hunn
Spill Prevention, Preparedness, and Response Program
sam.hunn@ecy.wa.gov
AGENCY PROJECT

PRESENTED BY:

- **Kelly Lerner, Chief, Leased Facilities & Maintenance Operations, Department of Social and Health Services**
Charging Up For Electric Vehicles
A Look at DSHS’ Electric Vehicle Charger Installations in 2021

November 18, 2021 Public Performance Review

Kelly Lerner
Chief of Leased Facilities and Maintenance Operations
Facilities, Finance & Analytics Administration, DSHS
Clients of DSHS carry the biggest burdens of climate change.

Mobile Community Service Office responds to Malden wildfire.

Map reveals King County’s ‘heat islands’

Volunteers collected temperature data across King County on an extremely hot day last July. The data show that impacts of high temperatures are not felt evenly. Some areas were more than 20 degrees hotter than others. Tree cover reduces heat, while roads, pavement and rooftops intensify heat.

2021 Heat Wave
“The burden of that falls on Black and indigenous and people of color communities.”
- The Seattle Times, June 23, 2021
DSHS Leased and Owned Facilities

- Leased Facility
- DSHS 24/7 Facility

Interstates & Highways
By The Numbers

2005: 27 EV Chargers installed at 24/7 facilities

2017: 13 EV Chargers installed at eight leased facilities

Total: 40 EV Chargers with 72 charging heads throughout the state
Boosting Our Infrastructure
Building Assessments

- Electrical Service
- Electric Panels in basement
- Potential EV charging stations
SIGNAGE NOTES:

1. PROVIDE SIGNAGE AT ALL LOCATIONS INDICATED ON SITE PLAN.
2. SIGNAGE SHALL CONFORM TO THE REQUIREMENTS OUTLINED IN THE ‘MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES’ (MUTCD) AS ADOPTED BY WSDOT.

ADJACENT SIDEWALK SURFACE
EV Chargers Added in 2021

By The Numbers

Added in 2021:
21 level 2 Chargers with 42 charging heads at seven leased facilities

DSHS Total:
61 EV Chargers with 114 charging heads throughout the state
We are just getting started toward our Electric Carbon-Free & Equitable Future
CURRENT WORK AND FUTURE COMMITMENTS

PRESENTED BY (IN ORDER OF PRESENTATION):

• Tara C. Smith, Director, Department of Enterprise Services
• Ron Major, Resource Conservation Program Manager, Department of Enterprise Services
• Hanna Waterstrat, SEEP Director, Department of Commerce
• Kendrick Stewart, Deputy Director, Department of Commerce
DES COMBATS CLIMATE CHANGE

DES Facility Professional Services and Capitol Campus

Nationally recognized Energy Savings Performance Contracting Program (ESPC)

Cut the Energy Use Indicator (EUI) of Capitol Campus by over 40%

New Capitol Campus Child Care facility is Net Zero
DES COMBATS CLIMATE CHANGE

DES Facility Professional Services
and Capitol Campus

Installed over 300kW of Solar Photovoltaic arrays on Capitol Campus

Capitol Campus electricity is 100% wind power

Nearly met 2030 target for GHG reductions in 2020
DES COMBATS CLIMATE CHANGE

- **DES Fleet Operations**
  - Across the Capitol Campus, DES has installed:
    - (48) level 2 electric vehicle chargers at agency zoned stalls.
    - (16) level 2 electric vehicle chargers for employee workplace charging.
    - (2) level 3 DC Fast Chargers for public use at the NRB Visitor lot.
  - Currently 3% of the fleet is electric – 124 electric vehicles out of 5,067.
  - DES continually evaluates the effectiveness of the Motor Vehicles (05916) and Electric Vehicle Supply Equipment (EVSE, 04016) master contracts as well as the new vehicle purchase request forms to ensure agencies are prioritizing battery electric (BEV) vehicles.
**DES COMBATS CLIMATE CHANGE**

- **Executive Order 20-01: State Energy & Environment Performance (SEEP)**
  - Completed 14 electric vehicle supply equipment projects
  - Installed 90 level II charging stations
  - Located at leased and owned facilities statewide
  - Total of **$920K** spent on site installations
DES COMBATS CLIMATE CHANGE

Reducing Toxics and Single-Use Plastics through Environmentally Preferred Purchasing (EPP)

- Growing the WA State EPP Program
- Developing 2021-2022 EPP Action Plan
- Creating First Annual “Greening Washington” Purchasing Report
- Developing new DES-hosted state EPP Website
- Creating COVID Safe Return to Work and Green Cleaning Guidance
- Developing new State EPP Manual with proposed green standards for procurement and purchasing professionals to utilize
ALASKA STREET BUILDING

11 18 2021

Ron Major, Resource Conservation Manager
Facility Professional Services
ALASKA STREET BUILDING

• 1960’s era headquarters and training facility for the WA, Department of Services for the Blind.

• Located in the Columbia City neighborhood of Seattle.
## ALASKA STREET BUILDING
### TOTAL COST OF OWNERSHIP

<table>
<thead>
<tr>
<th>Option # 1</th>
<th>Option # 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NG Boiler &amp; Chiller</strong></td>
<td><strong>Heat Pump, Windows, Lighting</strong></td>
</tr>
<tr>
<td>Cost</td>
<td>Cost</td>
</tr>
<tr>
<td><strong>Total Project Cost</strong></td>
<td><strong>Total Project Cost</strong></td>
</tr>
<tr>
<td>$990,000</td>
<td>$2,723,000</td>
</tr>
<tr>
<td><strong>Total Cost of Ownership (at 30 years)</strong></td>
<td><strong>Total Cost of Ownership (at 30 years)</strong></td>
</tr>
<tr>
<td>$5,003,668</td>
<td>$3,929,970</td>
</tr>
<tr>
<td><strong>Fund Balance Spend Down</strong></td>
<td><strong>Fund Balance Spend Down</strong></td>
</tr>
<tr>
<td>$562,000</td>
<td>$430,000</td>
</tr>
<tr>
<td><strong>Increase in Tenant Rent beginning July 2021</strong></td>
<td><strong>Increase in Tenant Rent beginning July 2021</strong></td>
</tr>
<tr>
<td>$15.57</td>
<td>$12.14</td>
</tr>
</tbody>
</table>
• Installed new energy efficient windows and added wall insulation.

• Replaced existing natural gas boiler & air cooled chiller with a high efficiency air cooled heat pump system.

• Replaced all hydronic piping and installed new high performance terminal units.

• New LED lighting throughout...including installation of new parking lot lighting for increased safety of staff.

• Replaced existing electrical switch gear, correcting a life safety issue.
ALASKA STREET BUILDING RESULTS

- Reduced the Energy Use Indicator (EUI) from 81.5 kBtu/sf to 22.5 kBtu/sf
- Cut energy costs by 50%
- Electrified the building, eliminating Natural Gas use
- Building is now Net Zero Carbon (Seattle City Light electricity is 98% hydro)
THANK YOU

Ron.Major@des.wa.gov
360-239-4134
https://des.wa.gov/
## Results Washington: Climate Change Project

<table>
<thead>
<tr>
<th>Phase 1</th>
<th>Phase 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial milestones:</strong>&lt;br&gt;• Identify key stakeholders&lt;br&gt;• Select performance measures&lt;br&gt;• Project charter and implementation plan</td>
<td><strong>Make emissions reduction recommendations for enterprise and agency decision-making and processes.</strong>&lt;br&gt;• 2021 State Energy Strategy&lt;br&gt;• Equity and justice considerations</td>
</tr>
<tr>
<td>Explore ways to include equity and environmental justice in state’s emissions reduction work.</td>
<td>Communications plan to share reduction recommendations with stakeholders.</td>
</tr>
<tr>
<td>Update data collection and guidance for 2021 reporting year.</td>
<td>Collect 2021 data on agency electricity and fuel use. Leverage data and agency strategies to make progress towards GHG limits.</td>
</tr>
<tr>
<td>Collect 2020 data on agency electricity and fuel use. Leverage this data to make progress towards emissions limits.</td>
<td>Solicit feedback from Results Washington team and stakeholder groups to support recommendations to the Legislature in 2022.</td>
</tr>
</tbody>
</table>
We strengthen communities

HOUSING
HOMELESSNESS

INFRASTRUCTURE

BUSINESS
ASSISTANCE

ENERGY

PLANNING

COMMUNITY
FACILITIES

CRIME
VICTIMS &
PUBLIC
SAFETY

COMMUNITY
SERVICES
Commerce and Results Washington

Commerce participation in 2021 Results Washington projects:

- Early learning
- Career Connect
- Economic recovery – post-COVID
- Climate change
- Reduce homelessness
- Behavioral health – community option
In 2021, lawmakers passed the Healthy Environment for All Act. The HEAL Act advances recommendations made by the Environmental Justice Task Force.

The law’s intent is to:

- Remedy the effects of policies and practices that led to environmental health disparities in communities. Improve the health of all people in Washington.
- Prevent and address environmental health disparities in the administration of ongoing and new environmental programs, including allocation of funds.
- Reduce exposure to environmental hazards in Indian Country.
- Track and measure the accomplishments of state agency environmental justice implementation.
HEAL Act background

People of color, indigenous individuals and communities, and low-income people are disproportionately harmed by environmental health hazards. Centering their needs is essential to advancing Commerce’s mission of strengthening communities.

• State agency coordination and actions:
  • Adopt a community engagement plan centering environmental justice.
  • Incorporate environmental justice into agency strategic plans.
  • Incorporate environmental justice into Tribal consultation frameworks.
  • Prioritize environmental justice in budget and funding decisions.
  • Conduct environmental justice assessments on our programs and policies.
SEEP equity and justice checklist

Goals:

• Understand who benefits and who is affected by the project.
• Ensure the project doesn’t have adverse impacts or contribute to environmental and health disparities.
• Where possible, create benefits for communities that reduce environmental and health burdens.

Project considerations:

• Location.
• Lifecycle impacts. Don’t limit your analysis to the final product; consider the base materials, parts and components over time.
• Human health and environmental impacts of the project.
• Greenhouse gas emissions, including during development and over the project’s lifecycle.
• Hiring local resources and contractors to do this work.
Leading by example to fight climate change
Thank you!

Kendrick Stewart
DEPUTY DIRECTOR
kendrick.stewart@commerce.wa.gov
Governor Q&A
Closing Remarks
THANK YOU FOR ATTENDING TODAY!

PLEASE TAKE A MOMENT TO COMPLETE OUR BRIEF SURVEY

YOU CAN VIEW THE RECORDING OF TODAY’S MEETING AT:
HTTPS://RESULTS.WA.GOV/MEASURING-PROGRESS/PUBLIC-PERFORMANCE-REVIEWS