Today’s Agenda

1. Welcome & Introductions
2. Overview of project and emissions sectors
3. Group Action Review Activity
4. Group Discussion
5. Public Comments
Mitigation addresses the cause of climate change by reducing human output of heat-trapping gases into the atmosphere.

- Actions that include:
  - Reducing the sources of these gases
  - Reducing demand
  - Enhancing the sinks or sequestration that store these gases
Phase 1 Overview

Phase 1 entailed:

- Thurston County, Olympia, Lacey, Tumwater, and TRPC agreed in April 2018 to complete Phase 1 of a plan to reduce regional emissions that contribute to global climate change.

- **Phase 1 entailed:**
  - Assessing each jurisdiction’s climate goal or target.
  - Adopting a common emissions baseline and targets.
  - Assessing actions each jurisdiction has adopted or implemented.
  - Approving an Interlocal agreement and scope of work for Phase 2: Develop a Thurston Climate Mitigation Plan.
Thurston Climate Mitigation Plan
Phase 2: Project Schedule

<table>
<thead>
<tr>
<th>Summer 2019</th>
<th>Fall 2019</th>
<th>Winter 2020</th>
<th>Spring 2020</th>
<th>Summer 2020</th>
<th>Fall 2020</th>
</tr>
</thead>
</table>
| • Public Outreach  
  • Fairs & Festivals  
  • Online Survey | • Analyze actions for identified criteria  
  • Develop scenarios | • Complete analysis  
  • Draft Plan | • Public review of Draft Plan  
  • Community Open Houses | • Monitoring Framework  
  • Final Plan and jurisdiction-specific strategies | • Adopt Plan  
  • Implementation |

* Project schedule dates are estimates and subject to change.
Adopted Emissions Targets
Thurston County, Lacey, Olympia & Tumwater

• Reduction Targets:
  • Reduce communitywide emissions
    45% below 2015 levels by 2030 and
    85% below 2015 levels by 2050.

• 2015 Baseline:
  • 2015 inventory of countywide emissions ~2.84 million MTCO₂ equivalent
  • Incorporates real energy, solid waste, agricultural, and transportation data
    from PSE, TRPC, and other sources.
Source of Emissions (2016) for Thurston County, Lacey, Olympia, & Tumwater
From Thurston Climate Action Team, August 2018

- Built Environment: 34%
- Commercial Energy: 23%
- Passenger Vehicles: 27%
- Industrial Energy: 3%
- Heavy Duty Trucks: 6%
- Commercial Vehicles: 3%
- Residential Energy: 34%
- Waste: 3%
- Agriculture: 1%
- On-Road Transportation: 1%
Communitywide Actions List

- **5** Sector Focus Group Meetings
- **600+** action comments from Public Outreach
  - ~300 Actions

- Consolidated → **276 Actions**
  - Buildings & Energy: 62
  - Transportation & Land Use: 81
  - Water & Waste: 57
  - Agriculture & Forests: 49
  - Cross-cutting: 27

- **COMBINED** actions that seemed similar or related
- **DEPRIORITIZED** actions that were too vague or had little benefit.
- **ADDED** actions with potential that were not already on the list
## Criteria – Adopted 10/24/2019

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>GHG reduction potential</td>
<td>The annual quantity of greenhouse gas emissions (GHG) an action will avoid or sequester as of 2030.</td>
</tr>
<tr>
<td>Speed of deployment</td>
<td>Minimum time possible between decision to recommend an action, and achievement of the annual GHG reduction potential.</td>
</tr>
<tr>
<td>Control</td>
<td>One or more of the four project partners can likely influence the implementing party(ies), or can create the necessary regulatory structure.</td>
</tr>
<tr>
<td>Co-benefits</td>
<td>Supports one or more of the regional goals (aside from #9 – carbon neutrality)</td>
</tr>
<tr>
<td>Ecosystem health</td>
<td></td>
</tr>
<tr>
<td>Social equity</td>
<td></td>
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<tr>
<td>Economic benefit</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
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</tbody>
</table>

GP = Guiding Principles, adopted 8/29/2019
Strategies for transportation & land use

1. Set land use policies that support efficient transportation networks
2. Increase efficiency of the transportation system
3. Increase adoption of electric vehicles
4. Increase the use of public transit
5. Increase use of active forms of travel (bicycling, walking) and more efficient commute modes (carpooling)
6. Support regional transportation connections
7. Address transportation goals across sectors
Questions?
Objectives

1. Review ranking of Greenhouse Gas Reduction Potential
2. Assess actions for “Control” and “Speed of Deployment”
3. Identify priority actions
Criteria #1
Greenhouse Gas Reduction Potential

The annual quantity of greenhouse gas emissions an action will avoid or sequester as of 2030.

- Emission sector addressed
- Scope of action
- Confidence/Probability of impact
Criteria #2

Control

Extent to which one or more of the project partners can influence the implementing parties, or create the necessary regulatory structure.

1. Advocate
2. Voluntary partner
3. Official partner (e.g., MOU)
4. Funder
5. Implementor or regulator
Criteria #3
Speed of Deployment

Minimum time possible between decision to recommend an action, and achievement of the annual GHG reduction potential.

- Requires legislative action?
- Technology exists?
- Funding mechanism exists?
Criteria #4
Co-benefits

Supports one or more regional goals:
- Ecosystem health
- Social equity
- Economic benefit
- Climate adaptation
- Other regional goals
Group Activity transportation & land use

Guidelines

• Review action & GHG ranking
• Individually: Rank each action, 1-5 (BOTH Criteria)
• Group: Review ranking in your group – adjust ranking, if necessary and note rationale/comments
**G1.1 - educational website**

Develop user-friendly website and outreach materials to educate residents of the health and cost benefits of reducing GHG emissions in their lives and homes and resources on how to do it.

<table>
<thead>
<tr>
<th>CRITERIA</th>
<th>CONSULTANT RATIONALE</th>
<th>RANK</th>
<th>SUBGROUP COMMENTS/RATIONALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHG Reduction Potential</td>
<td>Addresses a high emissions sources and relies on people going to a website to educate themselves. Relies on behavioral change and intrinsic motivation likely a low impact.</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Control</th>
<th>5</th>
<th>5</th>
<th>5</th>
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</thead>
<tbody>
<tr>
<td>Speed of Deployment</td>
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<td></td>
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</tr>
<tr>
<td>Leg action?</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tech exists?</td>
<td>Y</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Funding exists?</td>
<td>Y</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rank</td>
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Guidelines

• Individual: Can’t decide on a rank?
  • Leave it blank and ask your group

• Group: Can’t decide on a rank?
  • Note the range of opinions in the comments
Group Activity
transportation & land use

Full Group Review

• Review ranks as a group, enter into spreadsheet
• Add up the scores
• Post Action cards in # Order
Green Light/Red Light

• Write your initials on your dots.

• Using your Green stickers, indicate the THREE actions you think must be in the final list.

• Using your Red stickers, indicate any THREE actions that you would be comfortable leaving out of the plan.
Full Group Discussion
transportation & land use

Discuss priority actions as ranked and rationale

Other thoughts?
Thank you!

Contact

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