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

Mitigating the effects 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

The goal is to avoid significant human disruptions to the climate system to stabilize greenhouse gas levels in a timeframe sufficient to allow ecosystems to adapt naturally to climate change
Phase 1 Overview

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 Project Schedule

**Summer 2019**
- Public Outreach
  - Fairs & Festivals
  - Online Survey
  - Interviews & Briefings
- Develop Communitywide Action lists

**Fall 2019**
- Analyze actions for identified criteria
- Develop scenarios

**Winter 2020**
- Complete analysis
- Draft Plan
- Begin developing jurisdiction-specific strategies

**Spring 2020**
- Public review of Draft Plan
- Community Open Houses

**Summer 2020**
- Monitoring Framework
- Final Plan
- Final jurisdiction-specific strategies

**Fall 2020**
- 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
Communitywide Actions List

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

• Updated → **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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<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>
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<tr>
<td>Co-benefits</td>
<td>Supports one or more of the regional goals (aside from #9 – carbon neutrality)</td>
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<tr>
<td>Ecosystem health</td>
<td></td>
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<tr>
<td>Social equity</td>
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<tr>
<td>Economic benefit</td>
<td></td>
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<tr>
<td>Other</td>
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Strategies
water & waste

1. Increase the efficiency of water and wastewater infrastructure
2. Reduce water consumption
3. Reduce emissions from wastewater treatment operations
4. Divert more solid waste from landfills
5. Generate energy from waste sources
6. Reduce consumption of carbon-intensive goods and services
7. Reduce emissions from solid waste operations
Questions?
Group Activity
water & waste

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

water & waste

Guidelines

• Review action & GHG ranking
• Individually: Rank each action, 1-5 (BOTH Criteria)
• Review ranking in your group – adjust ranking, if necessary
G4.3 - other emission sources

Expand sources and sectors in future emissions inventories to inform future regulatory policy to reduce GHG emissions.

<table>
<thead>
<tr>
<th>CRITERIA</th>
<th>CONSULTANT RATIONALE</th>
<th>RANK</th>
<th>SUBGROUP COMMENTS/RATIONALE</th>
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<tbody>
<tr>
<td>GHG Reduction Potential</td>
<td>Would address relatively small emissions sources.</td>
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<thead>
<tr>
<th></th>
<th>Indv</th>
<th>Group</th>
<th>Final</th>
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<tbody>
<tr>
<td>Control</td>
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<tr>
<td>Speed of Deployment</td>
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<tr>
<td>Leg action?</td>
<td>N</td>
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<tr>
<td>Tech exists?</td>
<td>Y</td>
<td></td>
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<tr>
<td>Funding exists?</td>
<td>Y</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rank</td>
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<td></td>
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Group Activity
water & waste

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

water & waste

Full Group Review

• Review ranks as a group, enters into spreadsheet
• Add up the scores
• Post Action cards in # Order
Group Activity
water & waste

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
water & waste

Discuss priority actions as ranked and rationale

Other thoughts/strategies?
Thank you!

Contact

Allison Osterberg, Senior Planner
Thurston Regional Planning Council
360.956.7575
osterberg@trpc.org

www.trpc.org/climate