Today’s Agenda

1. Introductions
2. Overview of transportation & land use sectors
3. Small Group Exercise
4. 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
QUESTION 3 – FROM THE LIST BELOW, WHAT TOP 2 AREAS DO YOU THINK THE THURSTON MITIGATION PLAN SHOULD FOCUS ON?

Shift from fossil fuels to more renewable and clean electricity sources (e.g., from coal to wind/hydro/solar energy)

Increase the use of alternative forms of transportation, such as riding the bus, walking, carpool, vanpool and biking, as well as more fuel-efficient vehicles

Store more carbon in trees, plants, and soil, for example by preserving large trees, increasing tree canopy, and managing soil for carbon storage in addition to other benefits

Increase urban density, for example with accessible public transportation, mixed use buildings and affordable housing.

Reduce consumption and waste by recycling and composting more, avoiding single-use items, and repairing or retrofitting instead of buying new

Make our homes, businesses, and other buildings more energy-efficient and carbon-smart, for example through energy retrofits, energy-saving appliances, and sustainable building materials
QUESTION 4 – ENERGY & TRANSPORTATION ARE THE TOP CONTRIBUTORS TO CARBON POLLUTION IN THURSTON COUNTY. DOES THIS CHANGE THE TOP TWO AREAS YOU THINK WE SHOULD FOCUS ON?

No: 74.28%

Yes: 25.72%

Of those who said yes:

- **Shift from fossil fuels to more renewable and clean electricity** sources (e.g., from coal to wind/hydro/solar energy)
- **Increase the use of alternative forms of transportation**, such as riding the bus, walking, carpool, vanpool and biking, as well as more fuel-efficient vehicles
- **Store more carbon** in trees, plants, and soil, for example by preserving large trees, increasing tree canopy, and managing soil for carbon storage in addition to other benefits
- **Increase urban density**, for example with accessible public transportation, mixed use buildings and affordable housing.
- **Reduce consumption and waste** by recycling and composting more, avoiding single-use items, and repairing or retrofitting instead of buying new
- **Make our homes, businesses, and other buildings more energy-efficient and carbon-smart**, for example through energy retrofits, energy-saving appliances, and sustainable building materials

- **Shift from fossil fuels to more renewable and clean electricity**: 42.48%
- **Increase the use of alternative forms of transportation**: 39.82%
- **Store more carbon**: 16.81%
- **Increase urban density**: 13.27%
- **Reduce consumption and waste**: 7.08%
- **Make our homes, businesses, and other buildings more energy-efficient and carbon-smart**: 77.88%
Q7 – HAVE WE MISSED ANY KEY AREAS THE THURSTON CLIMATE MITIGATION PLAN SHOULD FOCUS ON?

KEY THEMES: Transportation

- Improve efficiency and reliability of public transportation
- Improve infrastructure for walking, biking, and long-distance commuting (light-rail, commuter trains, commuter busses), and rural/distant communities
Q7 – HAVE WE MISSED ANY KEY AREAS THE THURSTON CLIMATE MITIGATION PLAN SHOULD FOCUS ON?

KEY THEMES: Land use

• Contain development to already clear-cut areas and open spaces; preserve forested and natural landscapes
• Use crops and plants that are native to the area and require less care & pesticide use
• Develop abandoned areas before clear-cutting new areas; develop a rehab program for previously-used lots
Transportation

- **Emissions Inventory**
  - Emissions from passenger and light commercial vehicles increasing overall, but decreasing per capita
  - VMT is increasing
  - Efficiency is increasing

*Source: TCAT, 2018*
Land Use

• Emissions Inventory
  • Not included in emissions inventory currently

• Sustainable Thurston Goals
  • 72% of all (new and existing) households will be within a ½ mile of an urban center, corridor, or neighborhood center
  • 5% of new housing will locate in rural areas
Questions?
Small Group Exercise
transportation &
land use

Objectives
• Review/Brainstorm actions to reduce greenhouse gas emissions from transportation & land use
• Identify opportunities
• Identify barriers to implementing actions

Guidelines
• List actions regardless of scale, cost, or feasibility
• Formulate each idea to be as measurable as possible.
• Maximum creativity. Minimum judgement.
Strategies
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 alternative modes (bike, walking, carpool)
Small Group Exercise
transportation & land use

Objectives
• Review/Brainstorm actions to reduce greenhouse gas emissions
• Identify opportunities
• Identify barriers to implementing actions

Guidelines
• Designate a secretary
• List actions regardless of scale, cost, or feasibility
• Formulate each idea to be as measurable as possible.
• Maximum creativity. Minimum judgement.
Transportation
- What opportunities exist for this sector?
- What barriers exist for this sector?
- Other thoughts?

Land Use
- What opportunities exist for this sector?
- What barriers exist for this sector?
- Other thoughts?
Thank you!

Contact

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