

Icebreakers

- Name & Pronouns
- One thing you're excited about in fall or winter
- *Is there anything that you would like the group to know to support your participation?*

Meeting Agenda & Objectives

AGENDA

1. 2021 Greenhouse Gas Emissions Inventory & Thurston Climate Mitigation Plan (TCMP) Strategies (25 mins)
2. ~~Prioritizing Climate Actions~~ **Inventory Response** Discussion (25 mins)
3. Climate Advisory Workgroup Charter (15 mins)
4. Charter Discussion & Approval (20 mins)
5. Next Meeting & Questions (20 mins)

OBJECTIVES

1. Build sense of community & get to know each other
2. Have a better understanding of local emissions sources and strategies

THURSTON

CLIMATE

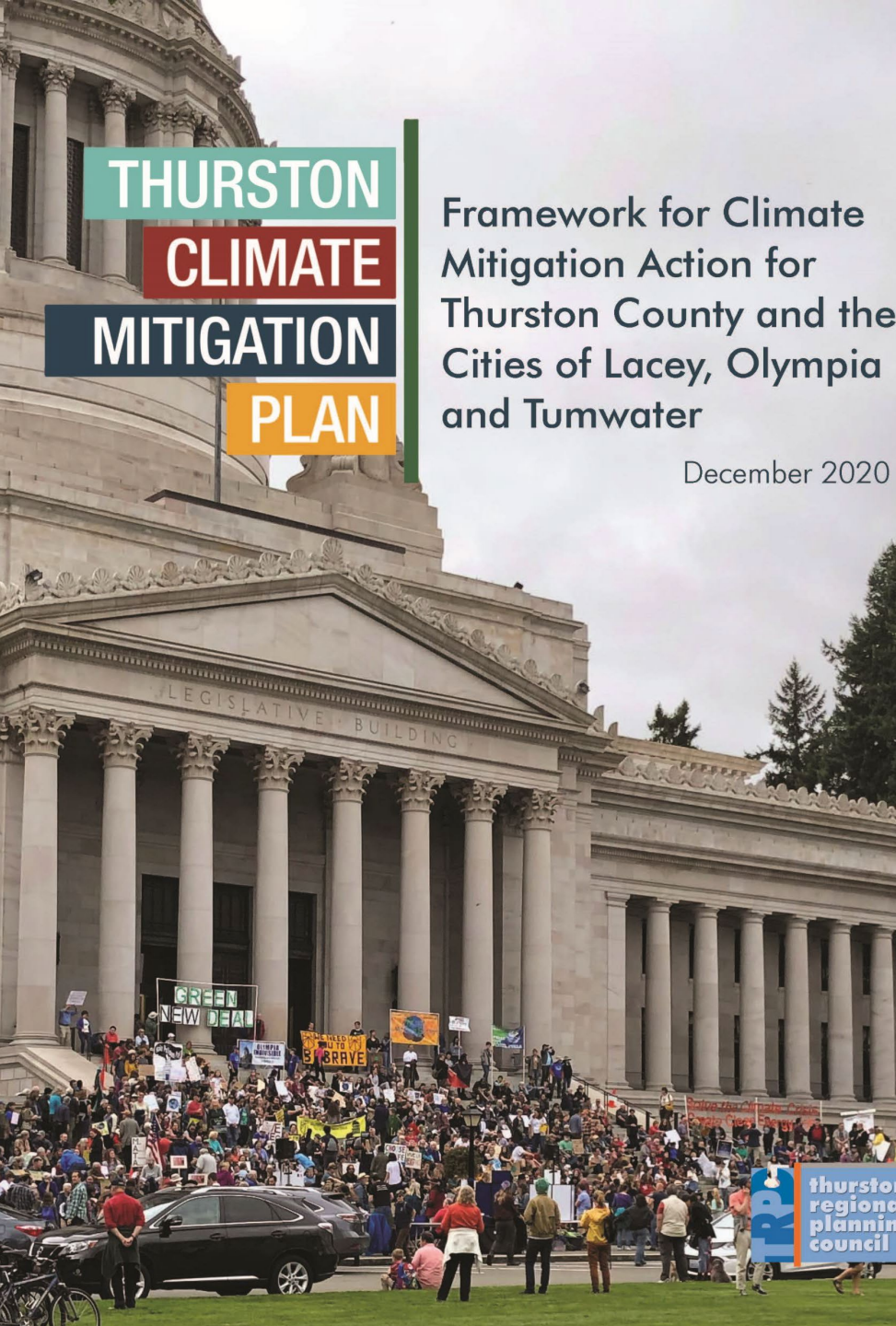
MITIGATION

PLAN

2021 Greenhouse
Gas Inventory &
TCMP Strategies

Lingo Check

- Greenhouse gas emissions = Releases of greenhouse gases, or gases that trap heat in the atmosphere
- Emissions inventory
 - Estimates the total greenhouse gas emissions (or releases into the atmosphere) in a certain place usually over the course of a year
- CAW = Climate Advisory Workgroup
- CASC = Climate Action Steering Committee
- TCMP = Thurston Climate Mitigation Plan
- TRPC = Thurston Regional Planning Council



THURSTON CLIMATE MITIGATION PLAN

Framework for Climate Mitigation Action for Thurston County and the Cities of Lacey, Olympia and Tumwater

December 2020

Review

- The Thurston Climate Mitigation Plan (2020) was a joint effort by Thurston County, Olympia, Lacey, and Tumwater to come together and reduce locally generated greenhouse gas emissions to reduce the impacts of climate change

Vision, Goals, and Guiding Principles

What are we trying to do, why are we trying to do it?

Mitigation Strategies and Actions

What do we need to do to achieve our vision and goals?

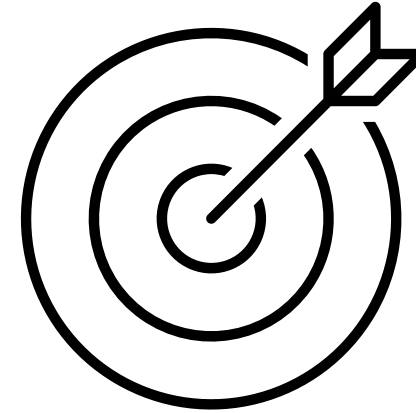
Implementation Strategy

How can we get there?

Why create an emissions inventory?

Inventories help inform action

- What are big emissions sources?
- How have emissions changed over time?
- What actions could pack the biggest punch?
- Are we on track to reach our goals?



Targets: Reduce emissions

- ✓ 45% below 2015 by 2030
- ✓ 85% below 2015 by 2050

Inventory 101

- Emissions are not measured in the atmosphere, but are estimated based on activities
- What's included?
 - Emissions generated from activities inside Thurston County
 - Emissions associated with electricity and natural gas production and distribution
 - Transportation and processing of solid waste generated by Thurston residents
- Greenhouse gas emissions are measured in metric tons of carbon dioxide equivalent (MTCO_{2e})
 - Greenhouse gases have different warming potentials, and carbon dioxide equivalents standardizes the gases based on how much heat they trap & how long they stay in the atmosphere
 - Carbon dioxide (CO₂), Methane (CH₄), Nitrous oxide (N₂O), Hydrofluorocarbons (HFCs)

Inventory 101 - Limitations

- Some sources don't have established methodologies to estimate emissions
 - Inventory follows the U.S. Community Protocol
- Some sources lack data, or local data
- Not consumption-based, meaning emissions from goods and services used by Thurston residents but produced outside of the county are not included

Inventory Sectors



Buildings and Energy



Transportation



Agriculture*, Forests, and
Prairies

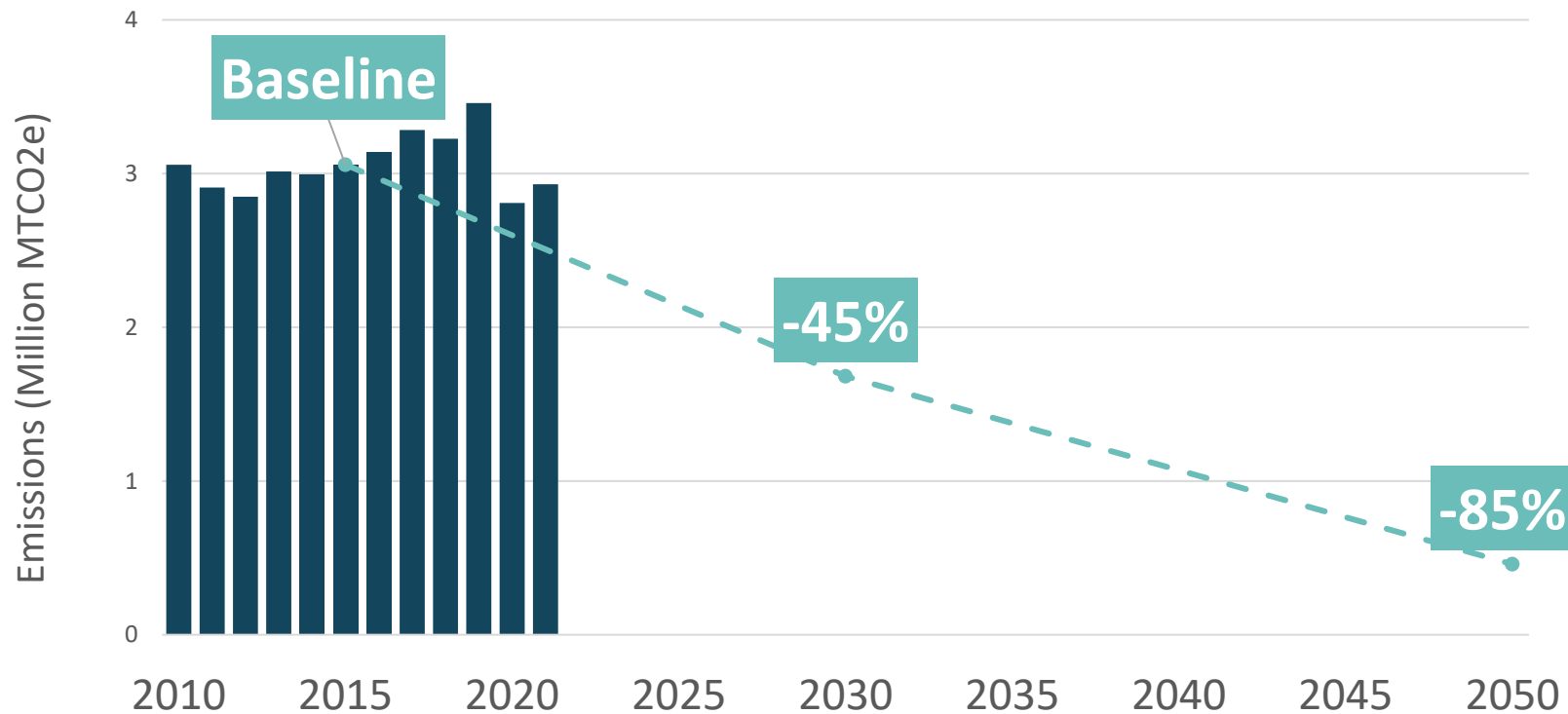


Water and Waste



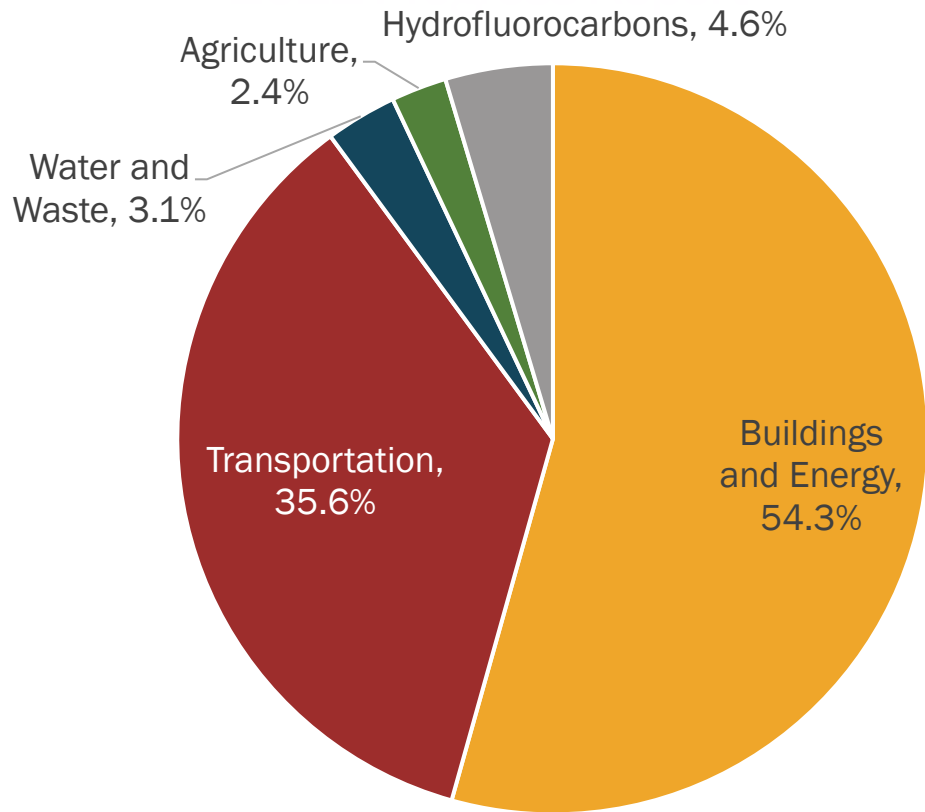
Hydrofluorocarbons

How are we doing?

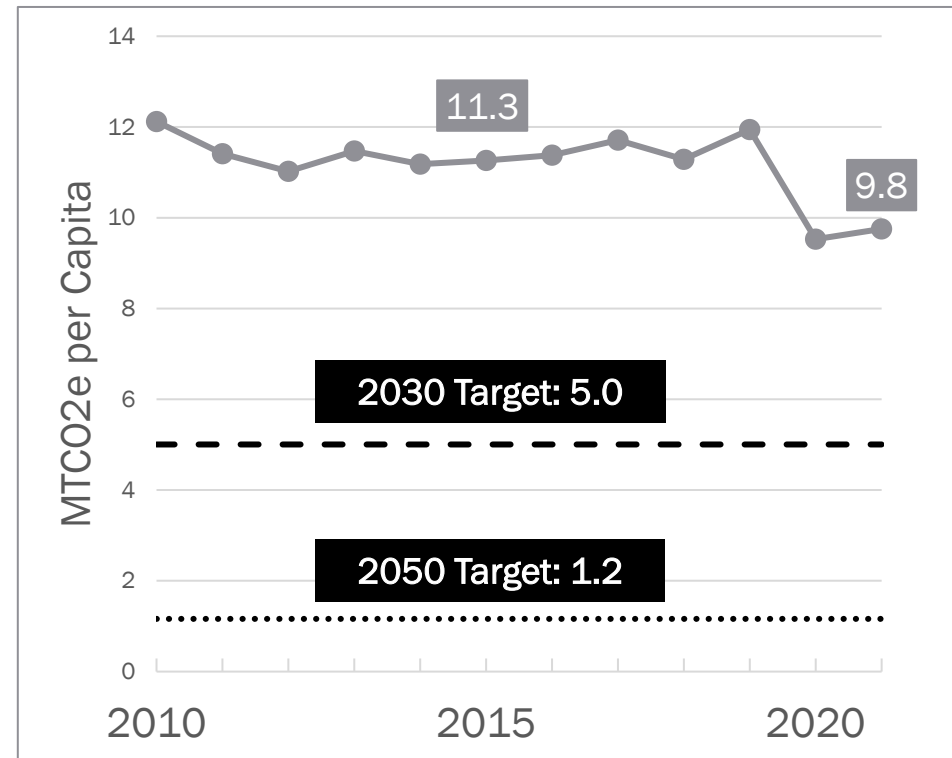


- 4.1% decrease since 2015
- Increase since 2020 (4.3%)

Overall Emissions - 2021



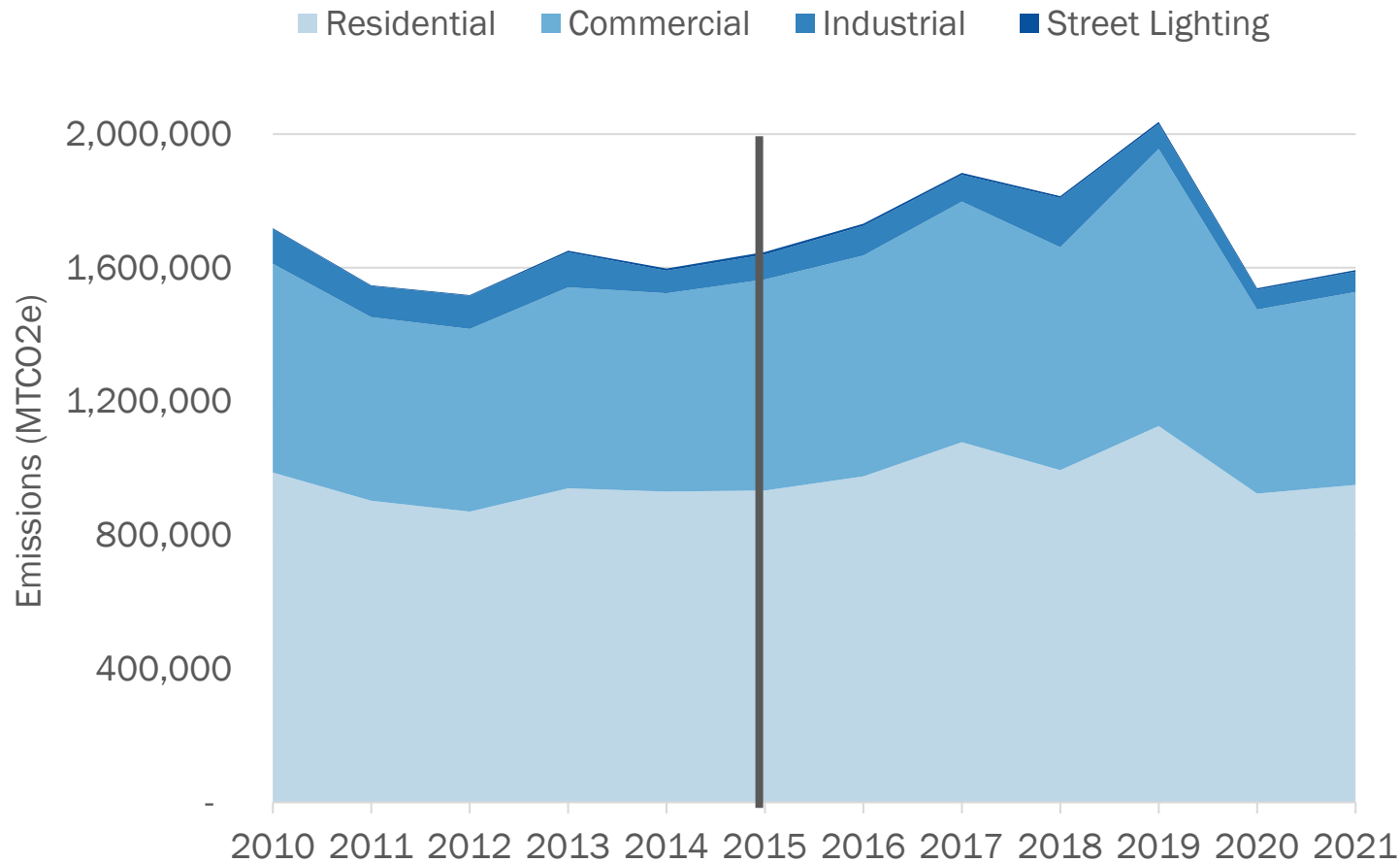
- Bulk of emissions come from buildings and energy & transportation
- Per capita emissions, or emissions per person, have decreased 13% since 2015



Cross-Cutting TCMP Strategies

- G1. Conduct education and outreach across climate mitigation areas.
- G4. Enhance monitoring and evaluation of climate mitigation measures and outcomes.
- G5. Advocate for climate-mitigating state and federal policy.

Buildings & Energy

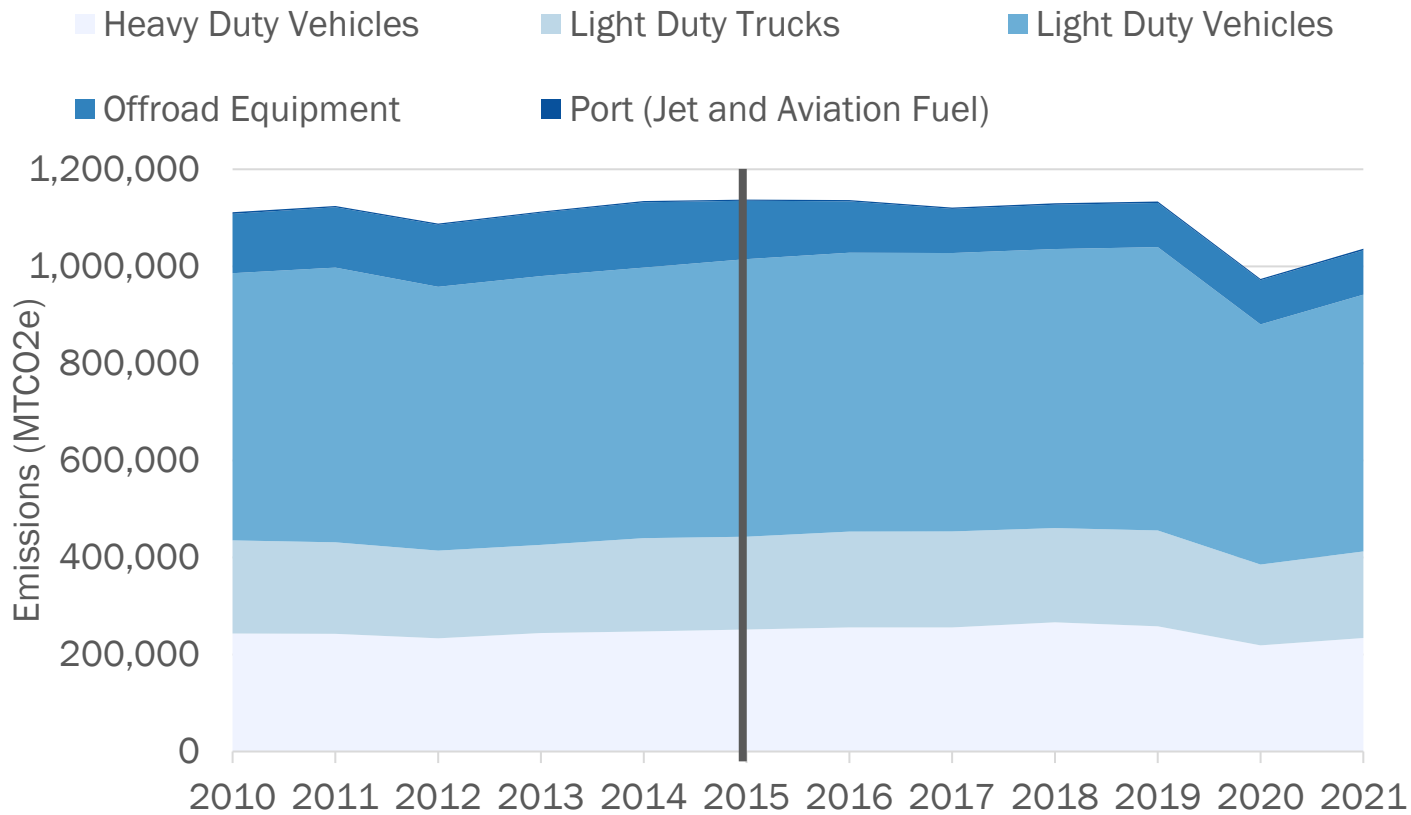


- Largest sector (54%)
- Energy used to power homes and buildings
- 3% decrease since 2015
- Electricity usage and natural gas usage have risen, but cleaner electricity keeps emissions down

Buildings & Energy TCMP Strategies

- B1. Reduce energy use in residential buildings.
- B2. Reduce energy use in existing commercial/industrial buildings.
- B3. Reduce energy use across building types.
- B4. Reduce energy use in new buildings or redevelopment.
- B5. Increase the production of local renewable energy.
- B6. Convert to cleaner fuel sources.

Transportation

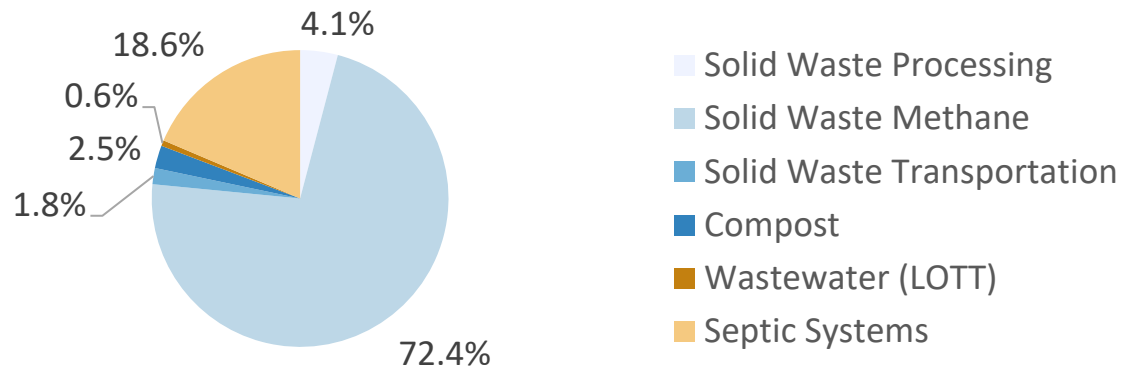
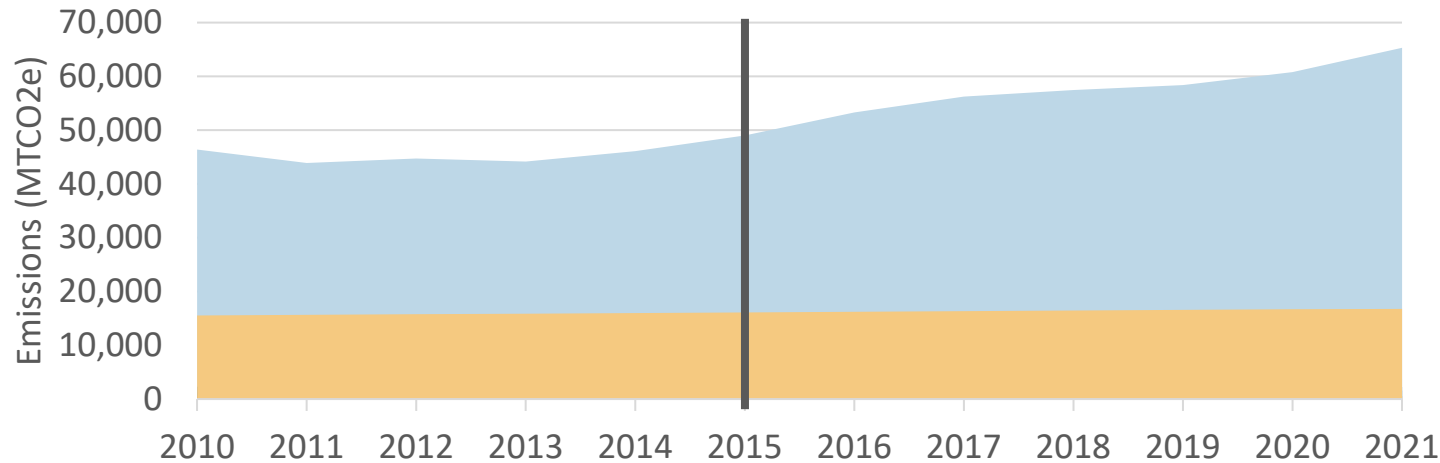


- Second-largest sector (36%)
- 9% decrease since 2015
- Onroad emissions account for 90%
 - Gas = 70%
 - Diesel = 20%
- Many TCMP strategies are focused on electric vehicles – emissions are not included here

Transportation & Land Use TCMP Strategies

- T1. Set land use policies that support increased urban density and efficient transportation networks and reduce urban sprawl.
- T2. Increase efficiency of the transportation system.
- T3. Increase adoption of electric vehicles.
- T4. Increase the use of public transit.
- T5. Increase use of active forms of travel and more efficient commute modes.

Water and Waste

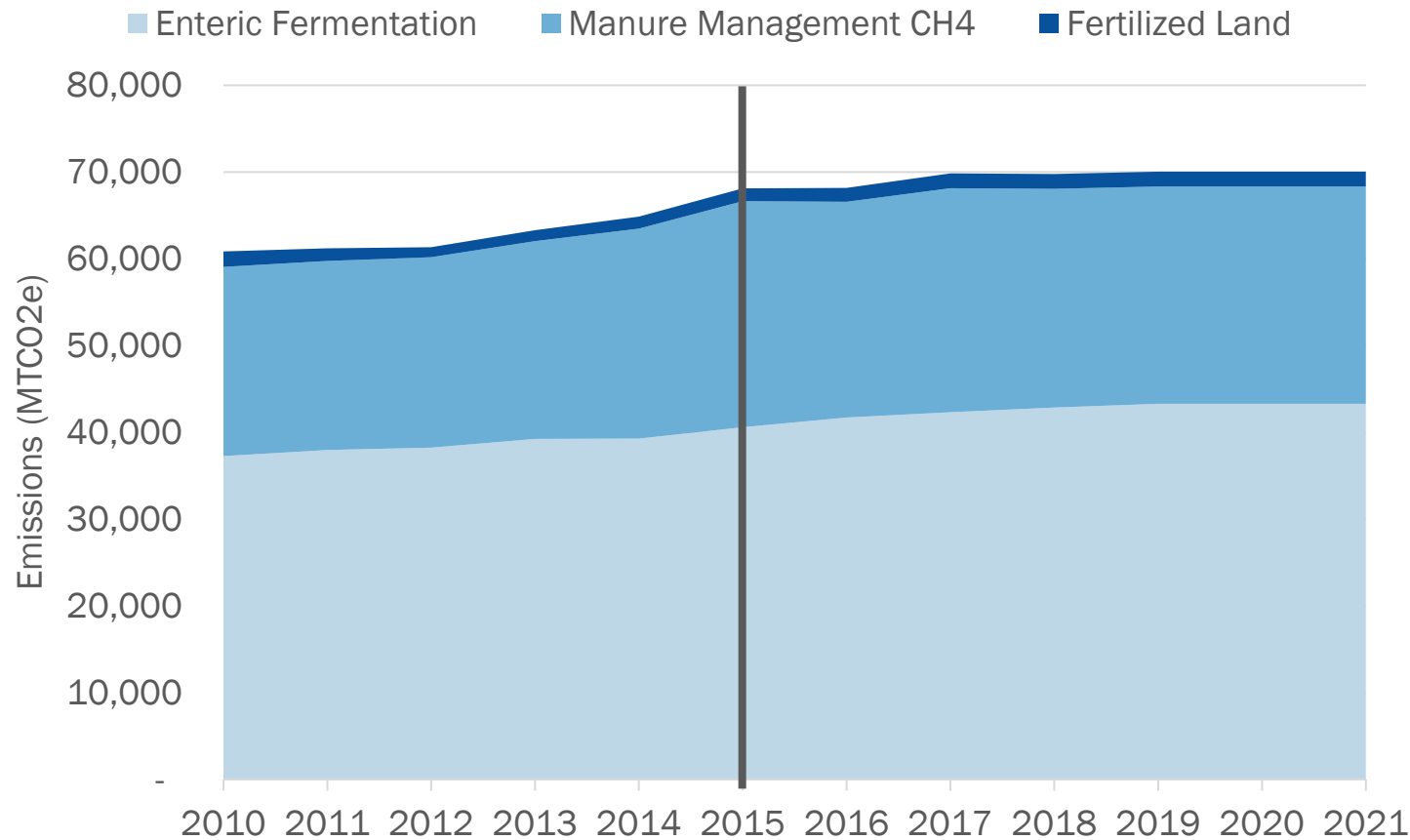


- 3% of total
- 26% increase since 2015
- Largest source is methane from landfills
- Solid waste generated by Thurston residents has grown since 2013 (now 1,513 pounds/person)

Water & Waste TCMP Strategies

- W1. Increase the efficiency of water and wastewater infrastructure.
- W2. Reduce water consumption.
- W3. Reduce emissions from wastewater treatment operations.
- W4. Divert more solid waste from landfills.
- W6. Reduce consumption of carbon-intensive goods and services.

Agriculture*, Forests, and Prairies

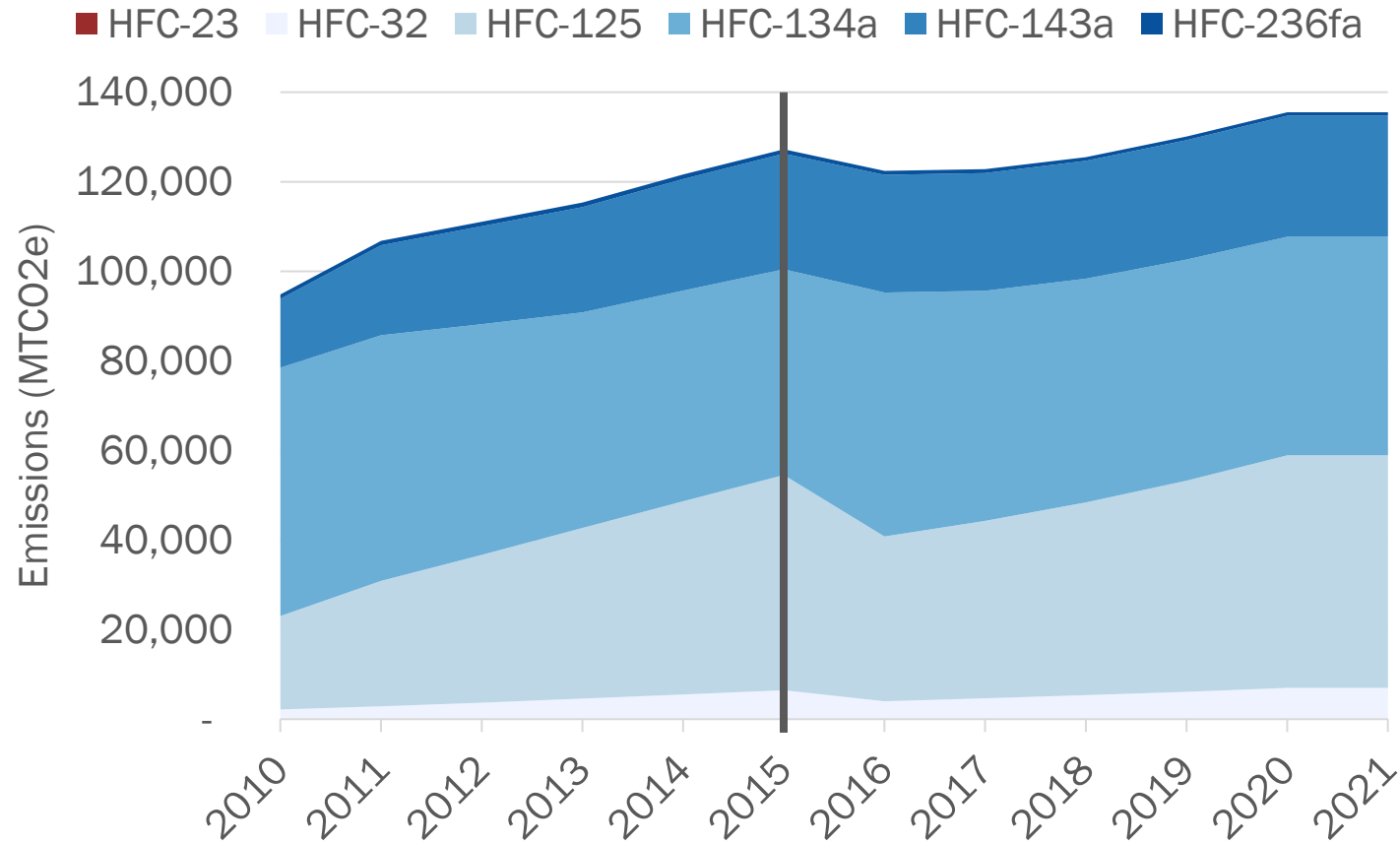


- 2% of emissions
- 3% increase since 2015
- Emissions only come from livestock & fertilizer use
- Data only available every 5 years
- Sector with the greatest uncertainty

Agriculture, Forests, and Prairies TCMP Strategies

- A1. Reduce emissions from agricultural practices.
- A2. Support agricultural practices that sequester carbon.
- A5. Manage forests and other ecosystems to sequester carbon.
- A6. Reduce emissions from the urban landscape.

Hydrofluorocarbons



- Industrial chemicals used for cooling, refrigeration, and fire suppression
- 5% of emissions
- 7% increase since 2015
- Based on national emissions, so local action is not reflected
- HB 1050 passed in 2022 increases regulations
- No TCMP strategies or goals

Questions?

Breakout Discussion

- What did you learn that stood out to you in the inventory?
- How does the inventory change or influence your perspective on how the region should focus on climate action?
- Designate a spokesperson to report back to full group

Climate Advisory Workgroup Charter

Why does this group exist?

- Climate action is confusing, messy, and very complicated
- It's easy to think of climate action in the abstract, but these policies affect people's lives in a variety of ways
- We don't have the answers – we will rely on you to figure out how to achieve our goals while prioritizing other community values



Tasks

- Participate in Steering Committee meetings as an ex-officio, non-voting member
- Review and suggest priorities for the Annual Work Program
- Review specific proposals under consideration by the Steering Committee
- Review the Annual Report
- Other tasks as requested by the Steering Committee



Steering Committee Meetings



- 4th Monday of the month, 3 - 5pm over Zoom*
- Workgroup will be represented by members on a rotating basis
- Serve for one calendar quarter
- Non-voting member
- Expectation: provide your perspective in discussions

Membership

- Composition
 - Determined by Steering Committee
 - Goal: provide a diverse variety of community perspectives
- Terms (do not apply to permanent member organizations)
 - First year: 1 year
 - After: 3 years, can serve 2 before new application is required
 - Youth: 1, 2, or 3 years
- Compensation - \$50/meeting (form is required)

Meetings

- 4 – 6 per year
- Timing
 - Weekday evenings – looks like Mondays or Tuesdays work best
- Virtual or in-person
 - **Last meeting, folks preferred most meetings on Zoom and 1-2 annually in person**
- Leadership – the group will be managed by TRPC
 - Can re-evaluate ~1 year in
- Materials
 - Agenda and any materials will be sent by email one week before the meeting and posted online
 - TRPC will take summary notes of meetings and post all materials online
- The group is advisory and may provide recommendations based on the group consensus

Conflicts of Interest

- Members shall disclose to the Project Manager all known or potential conflicts of interest that **could influence or appear to influence** their judgment prior to making a recommendation on a topic.
- Members will abstain from voting on a recommendation if they believe their relationship to the proposal would impair their ability to fairly and impartially judge the proposal.
- Members who will benefit financially from a decision shall abstain from voting on a recommendation. This rule does not apply to financial benefits that will be provided to the public at-large, but rather benefits that are provided to an organization that the member is affiliated with.
- Members are allowed to discuss and vote on policies that will affect organizations they are affiliated with, so long as the proposals do not directly affect the department a member is working in.
- **When in doubt, ask!**

Workgroup Norms – Discussions & General Norms

- Members will honor one another by communicating honestly and respectfully and allowing time for other members to speak.
- Members will approach discussions with an “assumption of good faith”, recognizing that though folks may have different perspectives, everyone is coming to the table with good intentions
- Members and the Program Coordinator will embrace “calling in” and “calling out” when harmful or negative language or behavior occurs. Both calling in and calling out involve recognizing and acknowledging when such behavior occurs, either in a public setting (calling out) or in a one-on-one or small group conversation (calling in). Members are encouraged to point out harmful or negative behavior in respectful ways, focusing on why comments or behavior are harmful rather than on the individual(s) who exhibited the behavior.
- Members will foster an environment of comfort for each other, with special care to provide agency to youth, BIPOC, and other members from underserved communities.

Workgroup Norms – Decision-Making

- Members will resolve issues within their power to solve and re-direct those issues that cannot be solved in a timely manner. If issue resolution is necessary, members will strive to follow the conflict resolution process identified in this Charter.
- Once decisions are made, members will work to honor those decisions and avoid reopening issues that have already been resolved or decided. Decision items will be noted on agendas, and final decisions will be documented by the Program Coordinator.

Workgroup Norms – Expectations Outside of Meetings

- Members will review pertinent meeting materials on a timely basis and provide timely feedback. Members are not expected to conduct additional research outside of reviewing meeting materials.
- Members can provide public comment and input at Steering Committee and other public meetings outside of the TCMP but will not take positions on behalf of the Workgroup and will clearly indicate in their comments they do not represent the opinion of the group.
- When members fill the ex-officio Workgroup slot at Steering Committee meetings, they will provide their own perspective. The Program Coordinator will provide a summary of Workgroup discussions on Steering Committee agenda items, if an item has been discussed at Workgroup meeting(s).
- Members will come to meetings prepared to discuss items on the agenda.
- Meetings will begin and end at the scheduled times. Participants who arrive late will catch up on what was missed during breaks or as other opportunities allow.
- Members will direct questions and comments about the group to the Program Coordinator, apart from items slated for discussion during meetings.

Other Norms

Agency Representatives*

- Member organization representatives will review pertinent meeting materials on a timely basis and discuss agenda items with other relevant personnel within their organizations, if possible.
- Member organizations will send an alternative organization representative if the regular representative is unavailable for a meeting.

Program Coordinator (TRPC)

- The Program Coordinator will facilitate discussions with the intention to allow all members an opportunity to speak.
- The Program Coordinator recognizes that members communicate in different ways and will work to provide multiple ways of participation in discussions, including but not limited to smaller group discussions and allowing members to provide written feedback in addition to verbal.
- The Program Coordinator will be responsible for communicating the consensus or lack thereof from Workgroup discussions at Steering Committee meetings.

Suggested Meeting Norms not in Charter

- Allow enough time for group discussions (using things like polls when needed but not only polls)
- Give space for questions
- Agenda Agency - have time at the end of each meeting to talk about agenda items, review agenda and be able to provide comment, or have the ability for members to sponsor items on the agenda which also ensures the member who sponsors the item gets to present on it and facilitate that discussion
- Setting the goal at the beginning of the meeting to make clear what the purpose of the meeting is
- We spend a little time at each meeting (perhaps 30 minutes?) giving members a chance to provide our representative to the next CASC meeting any ideas or concerns they would like shared with the CASC. These could be related to items the CASC is considering, innovative ideas for climate action, topics we might suggest they take up, or generally anything CAW members think might be helpful for CASC's work.

Bigger Questions Going Forward/Help Wanted!

- How do we support folks at different ends of the introvert/extrovert spectrum & bring everyone into discussions?
- How do we ensure BIPOC, youth, and other folks from historically underserved communities have agency in the group?
- How can we be held accountable to the community for the work that we're doing?
- How do we practice calling in and calling out?

Questions?

Breakout Discussion

- Do you feel the charter accurately captures your desired norms? If not, what's missing?
- *Policy to address repeated absences?*
- Designate a spokesperson to report back to full group

Coming Up Soon

Steering Committee – 11/28, 3-5PM, Zoom

- Greenhouse Gas Inventory
- Jurisdiction Updates

TRPC will share a recap of this meeting at the next CASC meeting. Is there anything from our discussion today you would like to be shared with the Steering Committee?

Climate Advisory Workgroup – 12/12, 5-7 PM, Zoom

- Roles and responsibilities for regional climate action

Ongoing Work

- Development of the annual report
 - Community highlights?

Questions?