



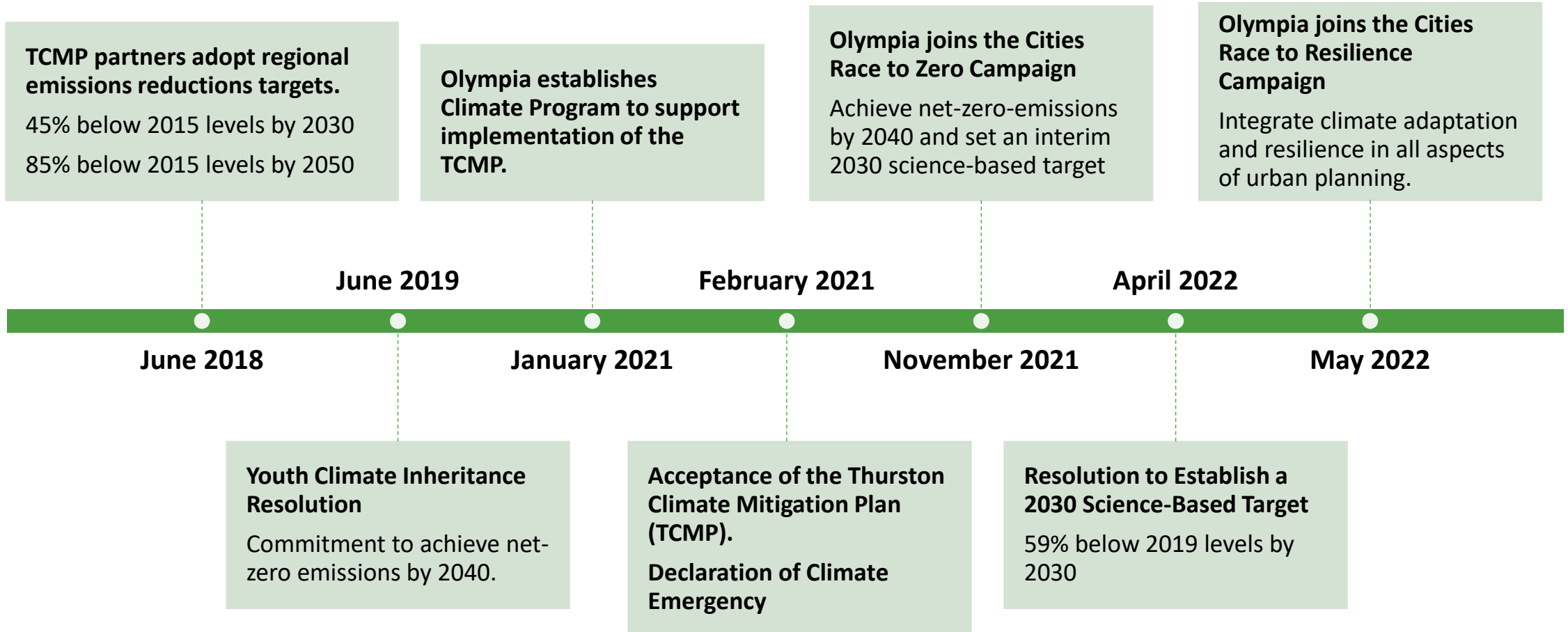
# Climate Mitigation Update



Olympia Utility Advisory Committee  
January 2, 2023



# Olympia's Climate Action Commitments



# Accomplishments and Next Steps

**Capacity Building**

**Municipal Operations Emissions**

**Community-wide Emissions**

**Preparedness and Adaptation**

# Accomplishments and Next Steps

## Capacity Building

**Municipal Operations Emissions**

**Community-wide Emissions**

**Preparedness and Adaptation**

# Capacity Building

## Climate Action Team

### Accomplishments

- Launched city-wide climate action team in July 2021.
- 4 climate impact and solution workshops in 2021.
- 2 strategic planning workshops in 2022.

### Next Steps

- Finalize 2023 Climate Action Team workplan.
- Continue regular CAT meetings to support implementation of adaptation and mitigation actions.



# Capacity Building

## Climate and Equity Frameworks

### Accomplishments

- Designed draft climate and equity frameworks.
- Beta tested framework design and function.
- Implemented city-wide training plan.
- Updated staff report templates to include climate and equity analysis beginning in January 2023.

### Next Steps

- Ongoing staff support and guidance.

**Buildings and Energy**  
Greenhouse Gas Reduction Strategies  
Search more: Thurston Climate Mitigation Plan - Pages 74-81

**B T W A**

1. How will the proposed action impact the climate mitigation strategies in this sector?

	Supports	Prevents	N/A
Reduce energy use in existing residential, commercial, or industrial buildings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduce energy use in new construction or redevelopment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase production of local renewable energy.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrify residential and commercial buildings to phase out natural gas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: New construction and major renovations of city-owned or city-funded projects are now required to be all-electric (Resolution No. 16-2289). If this is relevant, does your project comply? Yes ☐ No ☐

2. Describe how the proposed action supports or prevents each relevant strategy:

3. Could the proposed action be modified to better support any relevant strategies? What, if any, alternatives were considered?

Complete all relevant sectors, then jump to "Summarize."

City of Olympia | Climate Mitigation Framework

Buildings and Energy **B**

Land Use **T**

Agriculture and Forests **A**

# Accomplishments and Next Steps

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# Municipal Operations

## Internal Actions

### Accomplishments

- Conducted municipal operations greenhouse gas inventory.
- Completed solar feasibility and prioritization inventory for city facilities.
- Developing electrification feasibility inventory for city facilities.

### Next Steps

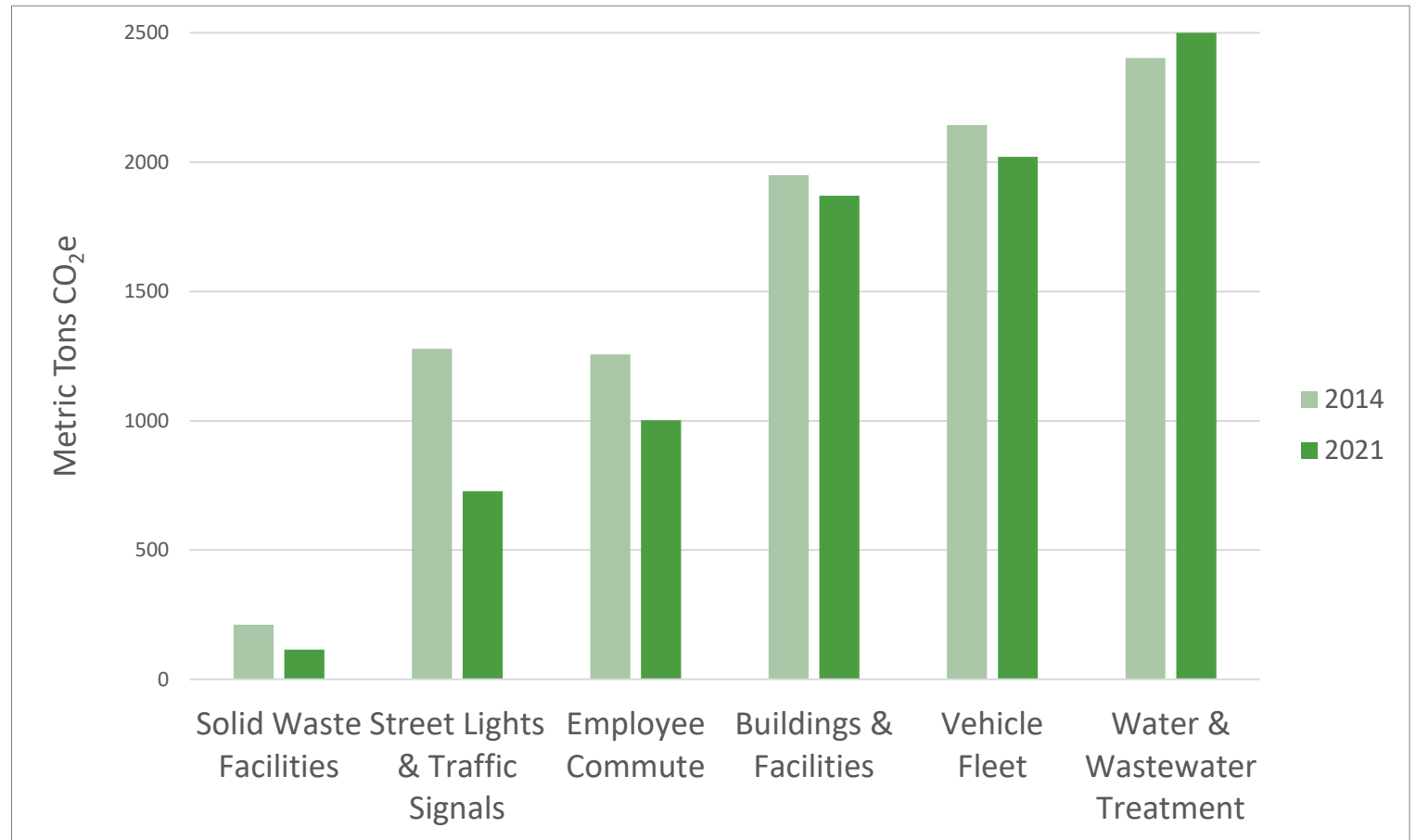
- Develop a fleet electrification plan.
- Prioritize and develop budget for facility electrification retrofits.
- Continue to invest in energy efficiency improvements for city facilities.



# Municipal Operations (2021)

**8,262**

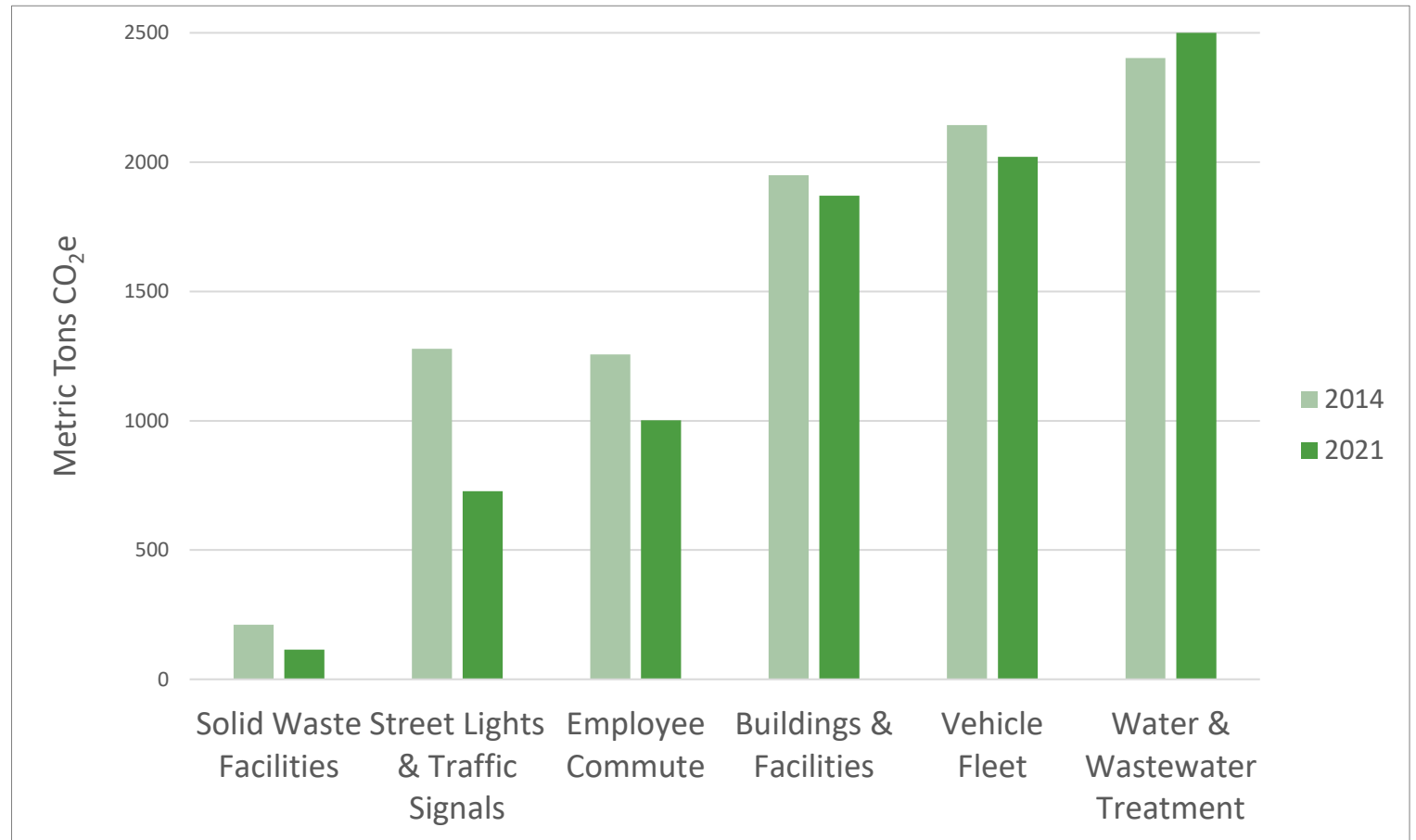
metric tons of carbon  
dioxide equivalent  
(MTCO<sub>2</sub>e)



# Municipal Operations (2021)

## Recent Actions

- Streetlight and traffic signal LED conversions
- Employee telecommuting
- Building energy improvements
- Electric vehicles
- PSE Green Direct
- Solar installations
- Building Electrification (Resolution M-2289)



PRELIMINARY RESULTS: 2021 Olympia City Operations Greenhouse Gas Inventory

# Accomplishments and Next Steps

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# Regional Coordination

## Framework for Climate Mitigation Action

### Live Lighter

- Create denser urban neighborhoods where more people can opt to drive less
- Make it easier to telework, walk, bicycle, and ride transit
- Reduce food and other waste

### Green Our Grid

- Support State-level action to generate electricity with 100% renewable sources
- Increase energy efficiency of homes and businesses
- Make it easier to install renewables on homes and businesses

### Shift Energy Sources

- Switch more appliances, heaters, and vehicles to electricity
- Make it easier to charge electric vehicles in homes and around town

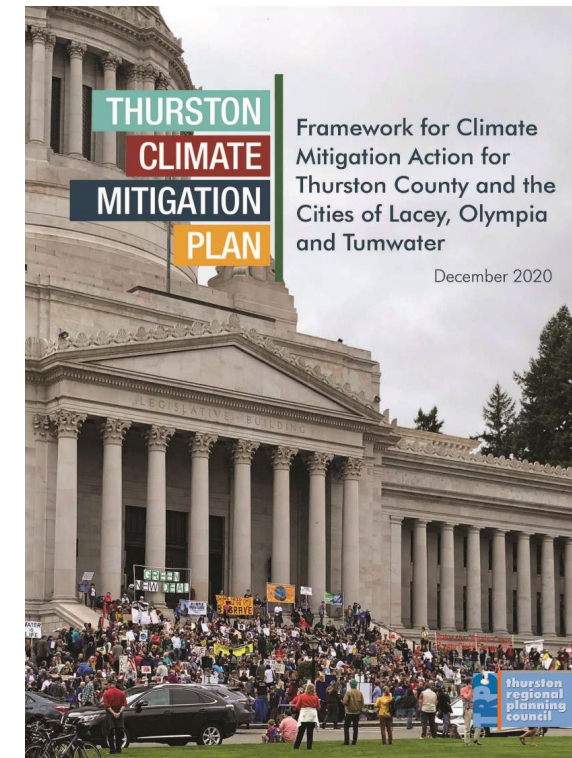
### Store Carbon

- Plant trees and preserve tree canopy
- Preserve farmland and increase regenerative agriculture practices
- Preserve and enhance prairies

### Build Local Capacity & Resilience

- Provide coordinated leadership on climate action
- Monitor greenhouse gases and assess progress
- Develop expertise in climate-forward practices
- Factor climate impacts into funding and decisions
- Support the development of a green economy
- Further understand and address social equity issues related to climate change

**EQUITABLE  
DISTRIBUTION OF  
COSTS & BENEFITS**

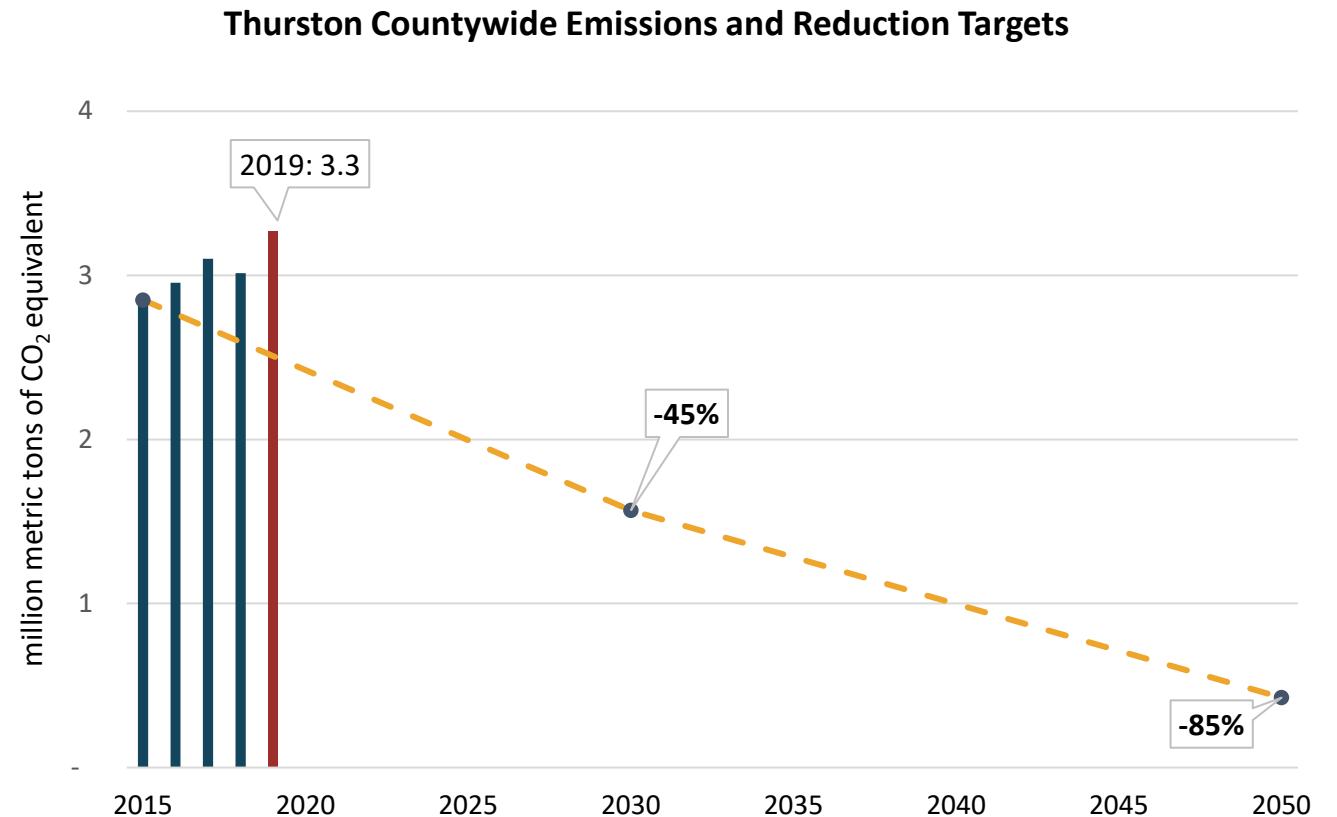




# 2019 Greenhouse Gas Emissions Thurston County

**3.3  
million**

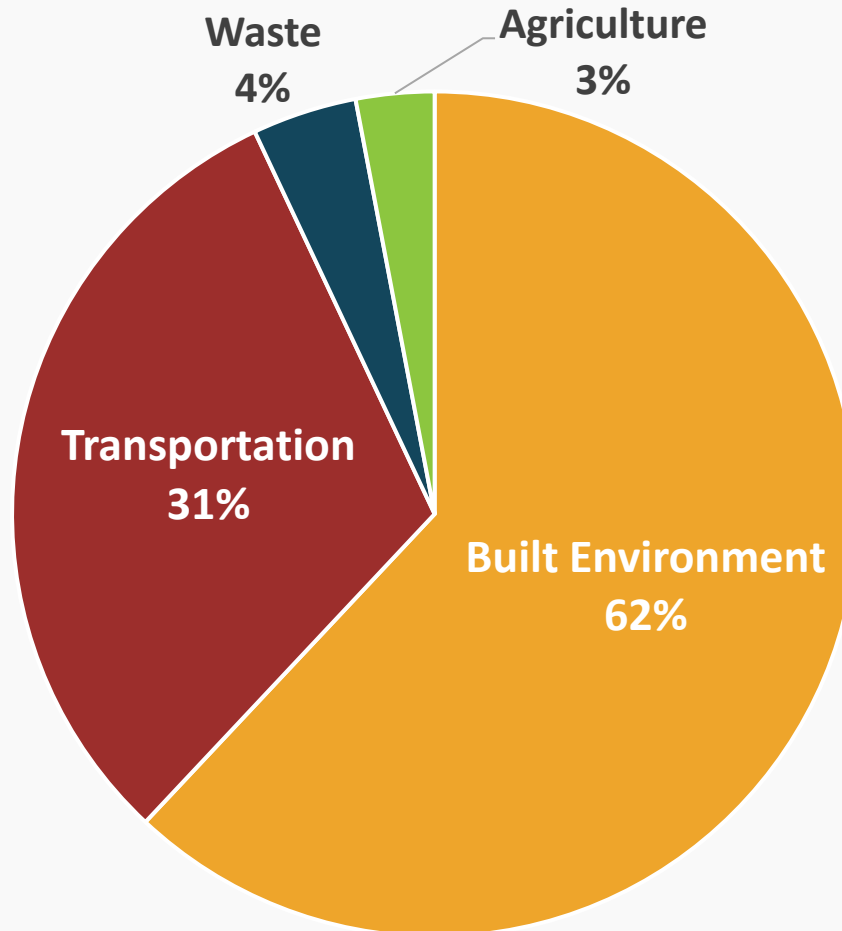
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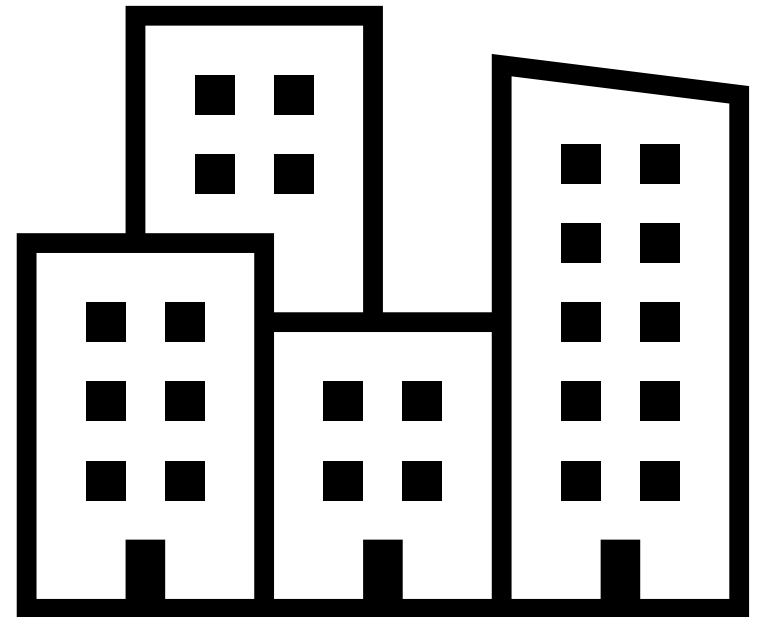
metric tons of carbon  
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# Buildings and Energy

## Strategies

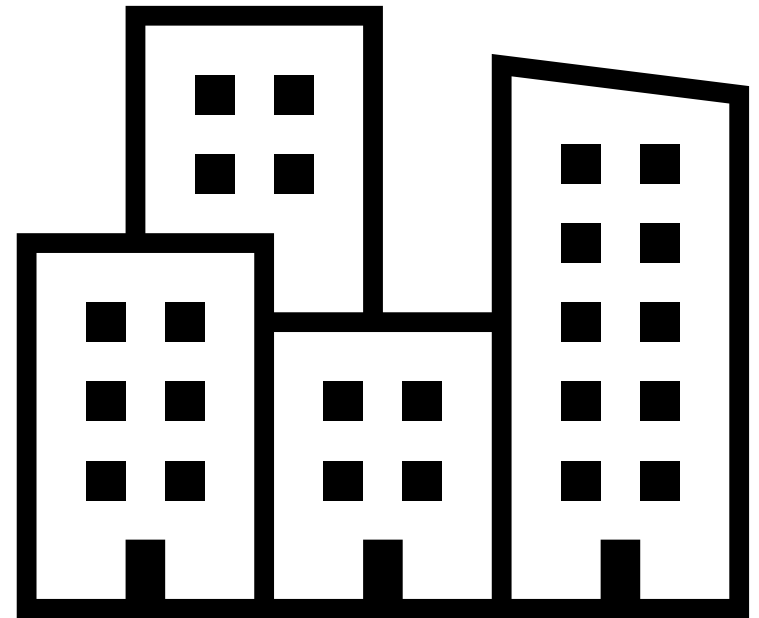
- Reduce energy use in new and existing buildings.
- Electrify new and existing buildings.
- Increase production of local renewable energy.



# Buildings and Energy

## Accomplishments

- Testified in support of residential and commercial state building code updates.
- Achieved SolSmart Gold designation.
- Hosting an AmeriCorps CivicSpark fellow to research building decarbonization retrofit strategies.

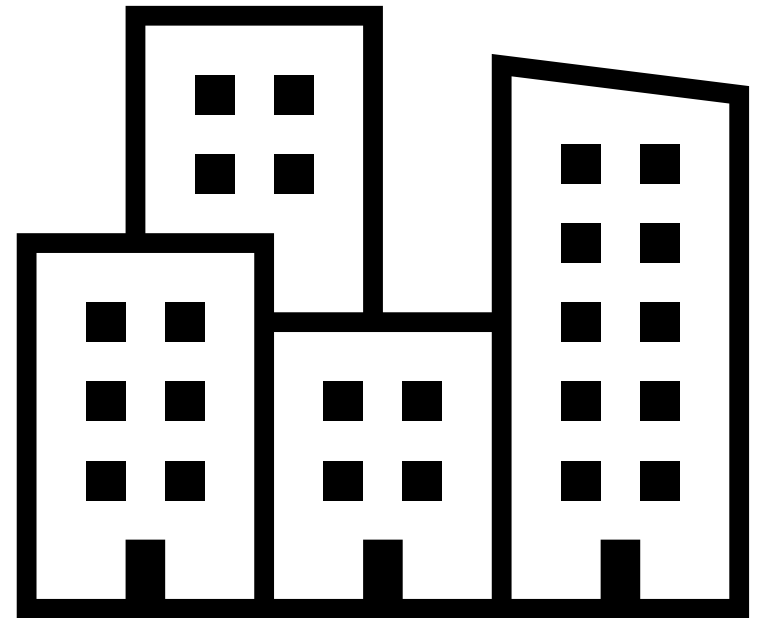




# Buildings and Energy

## Next Steps

- Launch heat pump group purchase campaign (Energize Olympia).
- Draft electrification amendments for inclusion in local commercial energy code updates.
- Explore opportunities for a regional home energy disclosure policy and program.



# Transportation and Land Use

## Strategies

- Create denser, urban neighborhoods.
- Make it easier to walk, bike, and ride transit.
- Increase the adoption of electric vehicles.



# Transportation and Land Use

## Accomplishments

- Development of neighborhood centers strategy (ongoing).
- Development of Capital Mall Triangle subarea plan and Environmental Impact Statement (ongoing).
- Bike and pedestrian safety improvements.



# Transportation and Land Use

## Next Steps

- Update Urban Corridor parking standards.
- Develop parking standards for electric vehicle parking.
- Update design standards for pedestrian and bicycle infrastructure in new development.
- Plan, design, and build bike and pedestrian safety improvements.





# Forests and Urban Tree Canopy

## Accomplishments

- Received WA DNR Urban & Community Forestry Grant to conduct a tree canopy assessment and landcover change analysis.
- Planted more than 1800 trees during the 2021/2022 planting season.
- Updated GIS systems to improve prioritization, planning and tracking of restoration/tree planting projects.

## Next Steps

- Complete tree canopy assessment.
- Pre-planning to develop an Urban Forest Management Plan.



# Accomplishments and Next Steps

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**Preparedness and Adaptation**

# Preparedness and Adaptation

## Accomplishments

- Cities Race to Resilience Commitment.
- Implementation of the Sea Level Rise Response Plan.
- Development of Parks wildfire prevention Standard Operating Procedures.

## Next Steps

- Conduct Climate Risk and Vulnerability Assessment (CRVA).
- Complete heat vulnerability assessment.
- Revise Percival Landing Master Plan to consider sea level rise.
- Implement 2023 SLR Response Collaborative Projects



**For more information visit:**

[olympiawa.gov/climate](https://olympiawa.gov/climate)

