



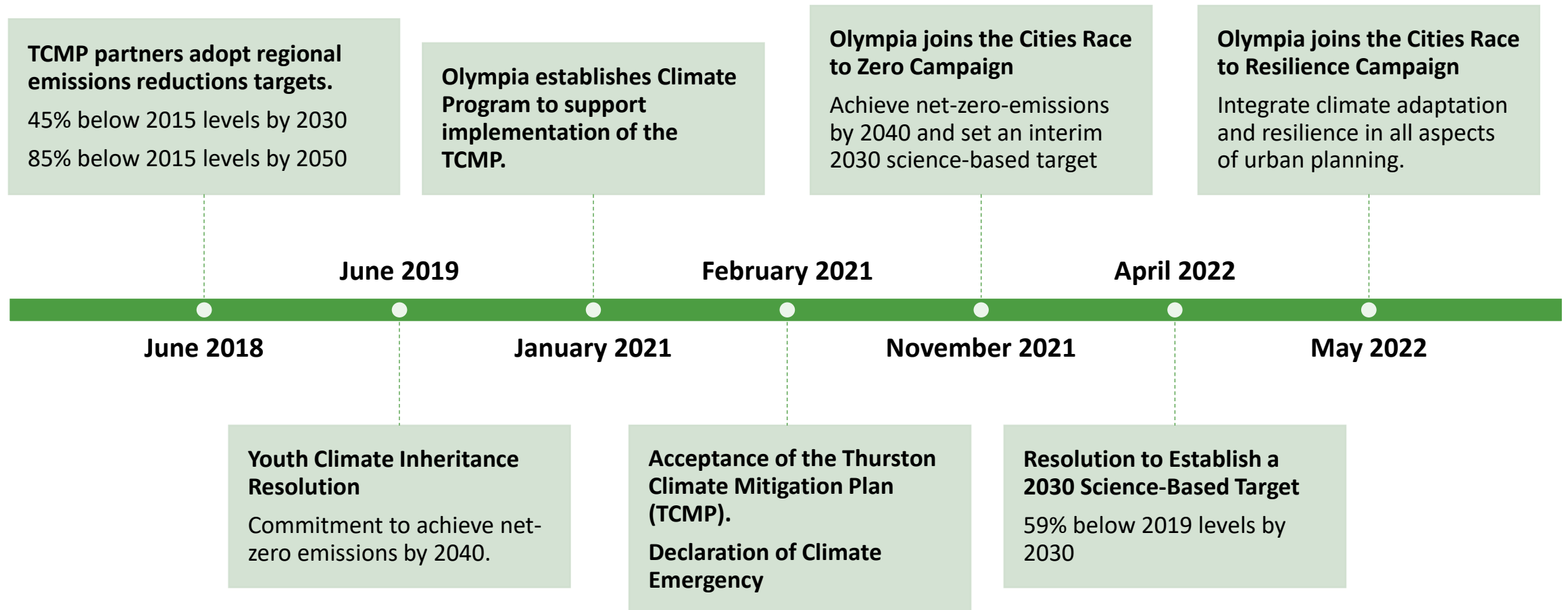
# Climate Plan Implementation Update



Olympia City Council  
October 4, 2022



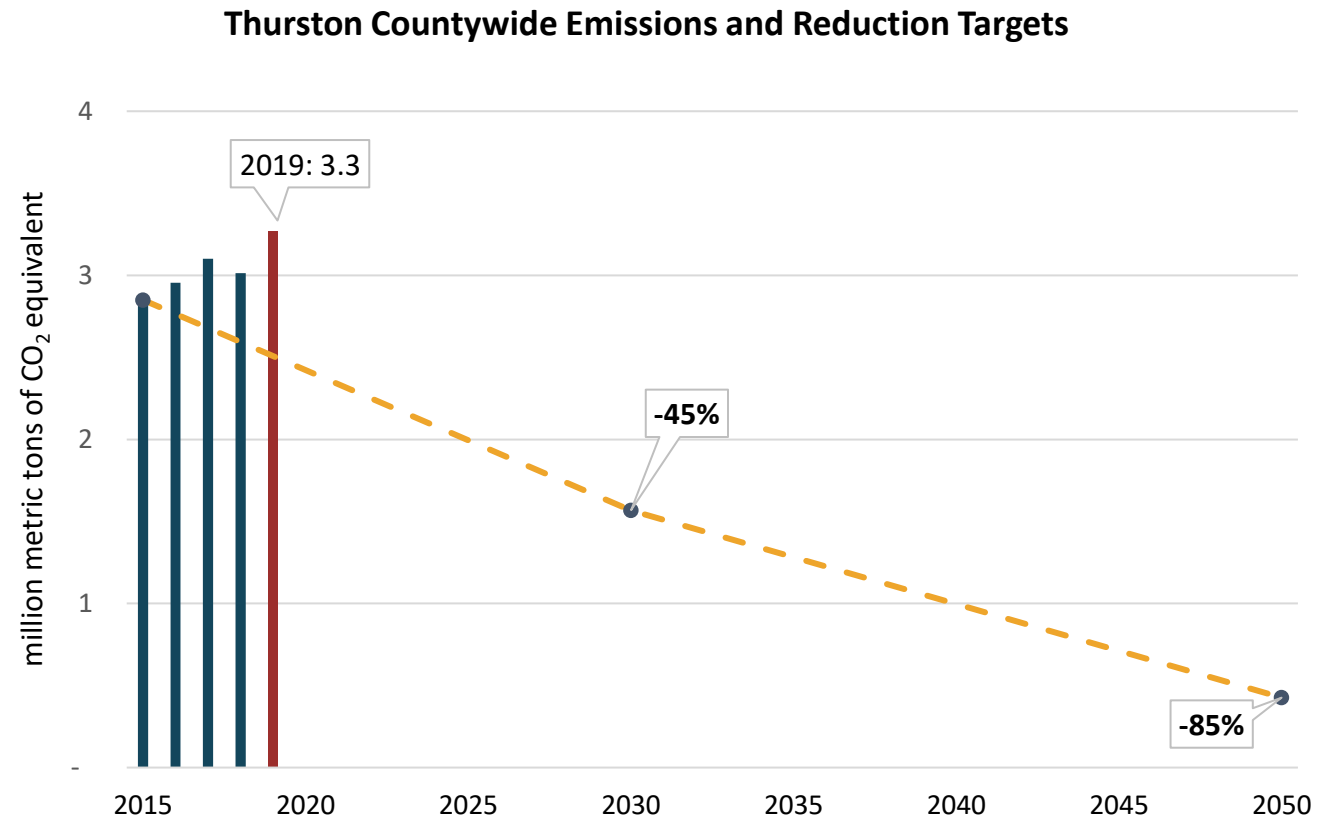
# Olympia's Climate Action Commitments



# 2019 Greenhouse Gas Emissions Thurston County

**3.3  
million**

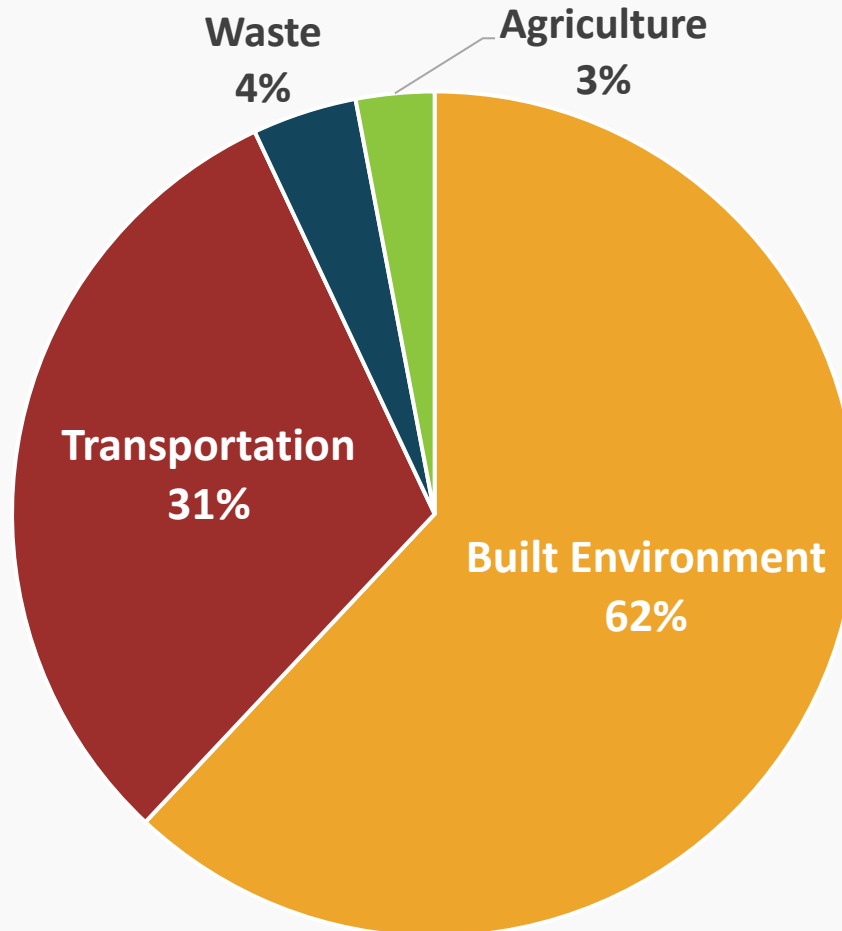
metric tons of carbon  
dioxide equivalent  
(MTCO<sub>2</sub>e)



# 2019 Greenhouse Gas Emissions Thurston County

**3.3  
million**

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(MTCO<sub>2</sub>e)



# Accomplishments and Next Steps

## Capacity Building

### Municipal Operations

### 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

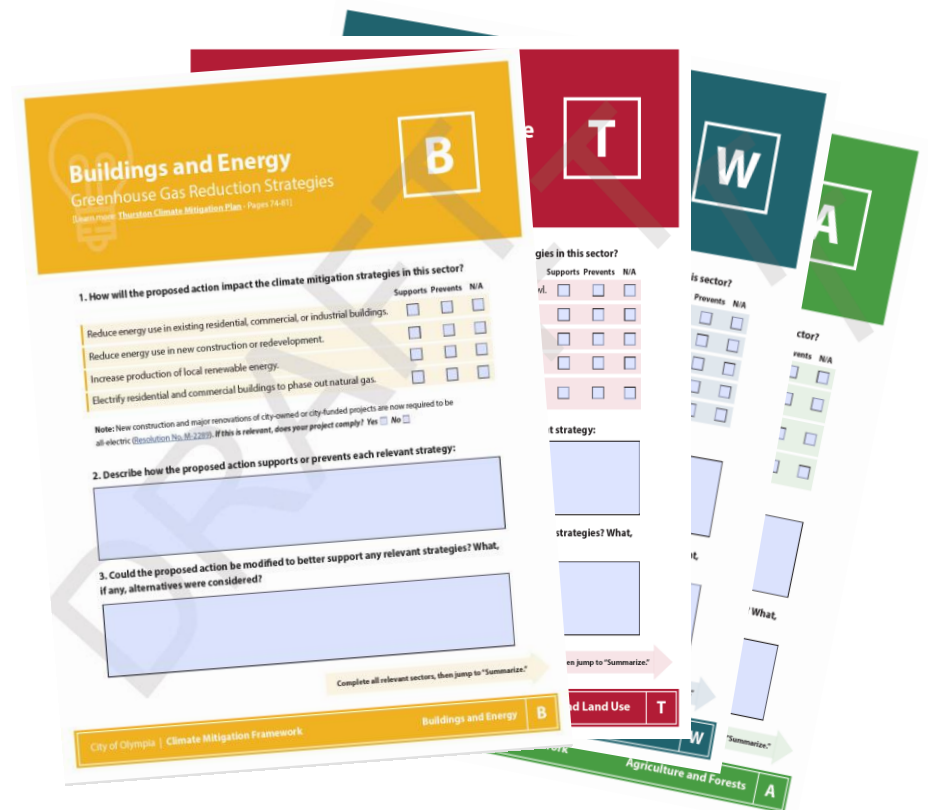
## Climate and Equity Frameworks

### Accomplishments

- Designed draft climate and equity frameworks.
- Beta tested framework design and function.
- Developed city-wide training and rollout plan.

### Next Steps

- Begin staff training in October 2022.
- Include climate and equity analysis in staff reports in January 2023.



# Accomplishments and Next Steps

**Capacity Building**

**Municipal Operations**

**Community-wide Emissions**

**Preparedness and Adaptation**



# 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

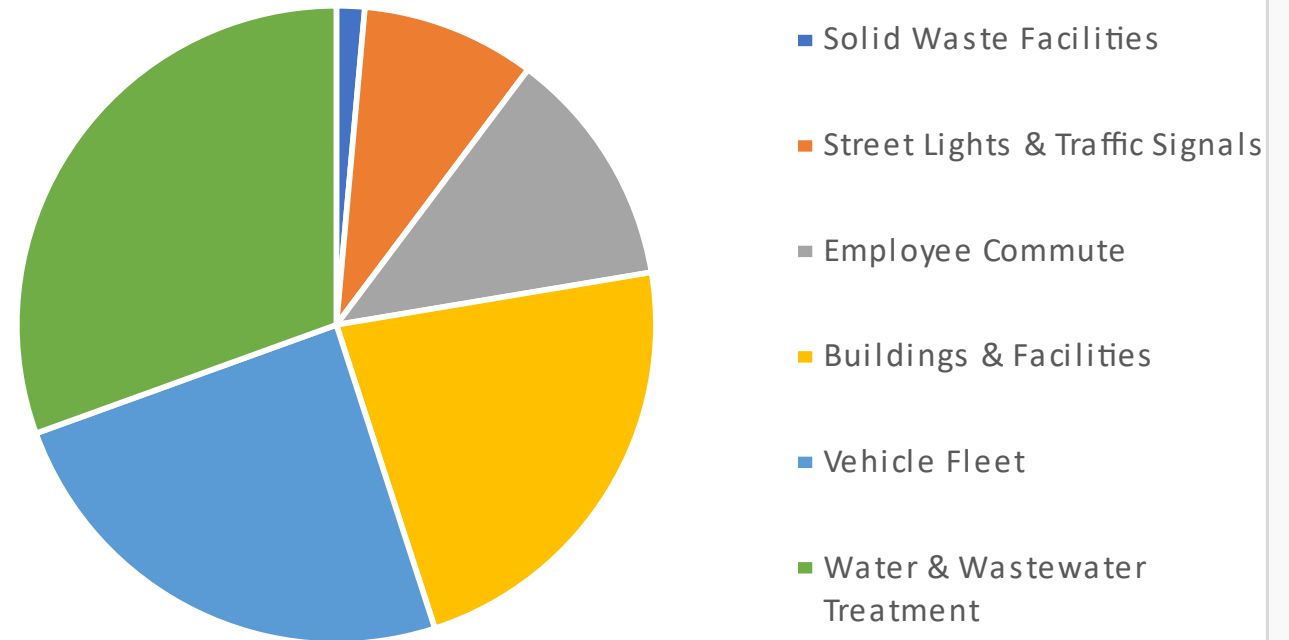
- Develop a fleet electrification plan.
- Prioritize and develop budget for facility electrification retrofits.
- Continue to invest in energy efficiency improvement for city facilities.

# 2021 Greenhouse Gas Emissions Olympia City Operations

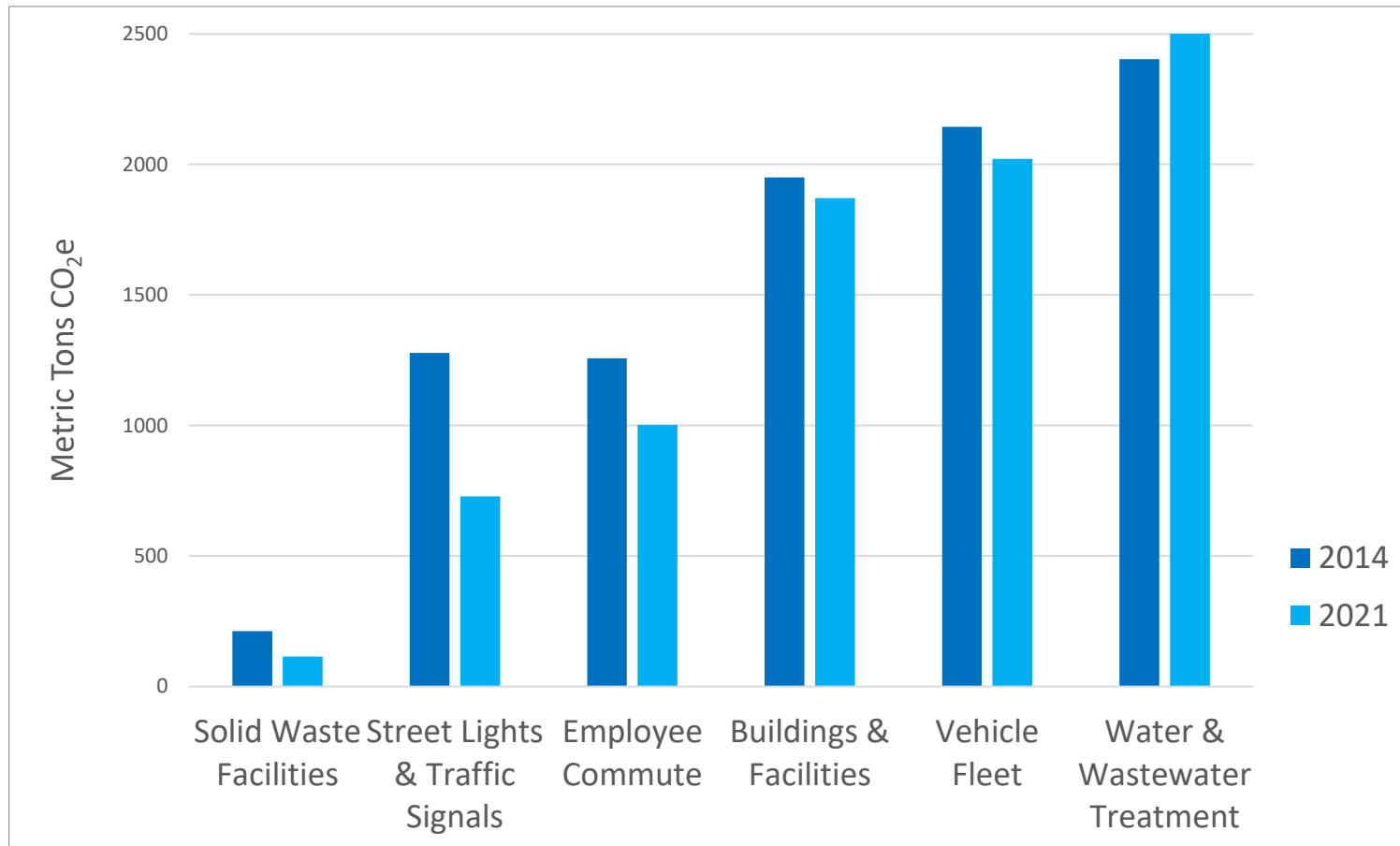
**8,262**

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

2021 City Operations GHG Emissions



# Changes in City Operations Emissions from 2014 – 2021



## ACTIONS

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

# Accomplishments and Next Steps

**Capacity Building**

**Municipal Operations**

**Community-wide Emissions**

**Preparedness and Adaptation**



# Buildings and Energy

## *Emissions reduction strategies:*

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

# Buildings and Energy

## Reduce energy use in new and existing buildings.

### Accomplishments

- Support for residential and commercial state building code updates.
- Partnership with Habitat for Humanity to design heat pump group purchase campaign.
  - Coordination with Community Development Block Grant to support low- to moderate- income installations.
  - Proposal to WSU CEEP for development grant funding to support low- to moderate- income installations.

### Next Steps

- Launch heat pump group purchase campaign (Energize Olympia) in early 2023.
- Continue to explore opportunities for a regional home energy disclosure policy and program.

# Buildings and Energy

## Electrify new and existing buildings.

### Accomplishments

- City Council study session and Land Use Committee discussion in March 2022.
- ILA for a regional building electrification cost assessment. Results anticipated by November 2022.
- Recruitment of an AmeriCorps CivicSpark fellow to work on building decarbonization strategies.

### Next Steps

- Conduct building stock inventory and research strategies for equitable decarbonization of existing buildings.
- 2021 Washington State Building Code Updates: Draft local amendments for commercial building electrification, as directed by LUEC.

# Buildings and Energy

## Increase production of local renewable energy.

### Accomplishments

- Achieved SolSmart Gold designation.
- Provided support for new solar projects throughout Olympia.
  - Community Development Block Grant funding for solar installation on Quixote Village.
  - Partnership with PSE to establish low-income community solar project at the Olympia Center.

### Next Steps

- Coordinate with CDBG to develop annual RFP for low-income solar projects.
- 2021 Washington State Building Code Updates: Draft local amendments for commercial and residential solar-ready development, as directed by LUEC.



# Transportation and Land Use

## ***Emissions reduction strategies:***

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

# Transportation and Land Use

## Create denser, urban neighborhoods.

### Accomplishments

- Development of neighborhood centers strategy (ongoing).
- Development of Capital Mall Triangle subarea plan and Environmental Impact Statement (ongoing).
- Reviewing parking standards on Urban Corridors (ongoing).
- Accessory dwelling units permitted in all residential districts.
  - Olympia, Lacey, and Tumwater offer four pre-approved ADU plans.

### Next Steps

- Implement neighborhood centers strategy.
- Update Urban Corridor parking standards.

# Transportation and Land Use

## **Make it easier to walk, bike, and ride transit.**

### **Accomplishments**

- First Transportation Master Plan.
- Transportation Concurrency & Impact Fee Programs based on “person trips” rather than vehicle trips. Impact fees can now be used on improvements for bicyclists and pedestrians.
- Bike and pedestrian safety improvements.
  - Finished Franklin Street project to improve walkability and support transit.
  - Construction begins soon on State & East Bay to make it safer for pedestrians, bicyclists, transit riders, & drivers.
  - Received WSDOT City Safety grant to redesign intersection at 4<sup>th</sup> Ave and Plum St.
  - Received Transportation Improvement Board Complete Streets grant to design Downtown to Southeast Bike Corridor.

# Transportation and Land Use

## Make it easier to walk, bike, and ride transit.

### Next Steps

- Update design standards to improve pedestrian and bicycle infrastructure in new development.
- Complete Planned Projects
  - State Ave: Install green bike lanes at conflict points.
  - Fones Road: Rebuild and add pedestrian and bike infrastructure.
  - Boulevard Rd Trail Crossing & Bike Corridor: Provide a low-stress bike route between regional trails system and existing bike corridor.
- Design New Projects
  - 4<sup>th</sup> Ave and Plum: Redesign intersection to improve safety for pedestrians and bicyclists.
  - Downtown to Southeast Bike Corridor: Design a bike corridor that will link downtown to the regional trails network.
  - Elliot Ave: Design a sidewalk and uphill bike lane to improve bike and pedestrian safety and mobility.
  - Mottman Rd: Design rebuild to include pedestrian and bicycle infrastructure.



# Transportation and Land Use

## **Increase the adoption of electric vehicles.**

### **Accomplishments**

- Public charging available at City Hall and the Justice Center.
- Partnership with Tumwater and Thurston County to apply for a Clean Energy Fund - Electrification of Transportation Systems grant.
  - Project Proposal: Prioritization & Readiness Assessment for Charging Infrastructure on Public Properties.

### **Next Steps**

- Develop parking standards for electric vehicle parking (EV charging, EV Ready Parking), as directed by LUEC.
- Prioritize and prepare for EV charging infrastructure at public facilities and properties.

# Forests and Urban Tree Canopy

## Preserve tree canopy and manage forests to sequester carbon.

### 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.

# Regional Coordination

## Coordinate with partner jurisdictions to implement the TCMP.

### Accomplishments

- Long-term interlocal agreement
- Climate Advisory Workgroup
- Research on regional programs for carbon sequestration and energy efficiency (ongoing).

### Next Steps

- Update regional greenhouse gas inventory.
- Update the carbon wedge analysis and TCMP actions.
- Develop 2023 workplan for Climate Action Steering Committee.

# Accomplishments and Next Steps

**Capacity Building**

**Municipal Operations**

**Community-wide Emissions**

**Preparedness and Adaptation**



# Preparedness and Adaptation

## Prepare and adapt to climate impacts.

### Accomplishments

- Cities Race to Resilience Commitment.
- Implementation of the Sea Level Rise Response Plan.

### Next Steps

- Conduct a climate risk and vulnerability assessment.
- Map and analyze heat vulnerability in Olympia (applied for project support from Thriving Earth Exchange).
- Revise Percival Landing Master Plan to consider sea level rise.
- Develop Parks wildfire prevention strategy.

**For more information visit:**

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

