

# 2022 ANNUAL REPORT

**THURSTON CLIMATE  
MITIGATION PLAN**

CLIMATE ACTION  
STEERING COMMITTEE

FEBRUARY 27, 2023

# WHAT IS THE ANNUAL REPORT?

- Provides a brief overview of climate action targets and progress
- Highlights innovative projects the jurisdictions took on

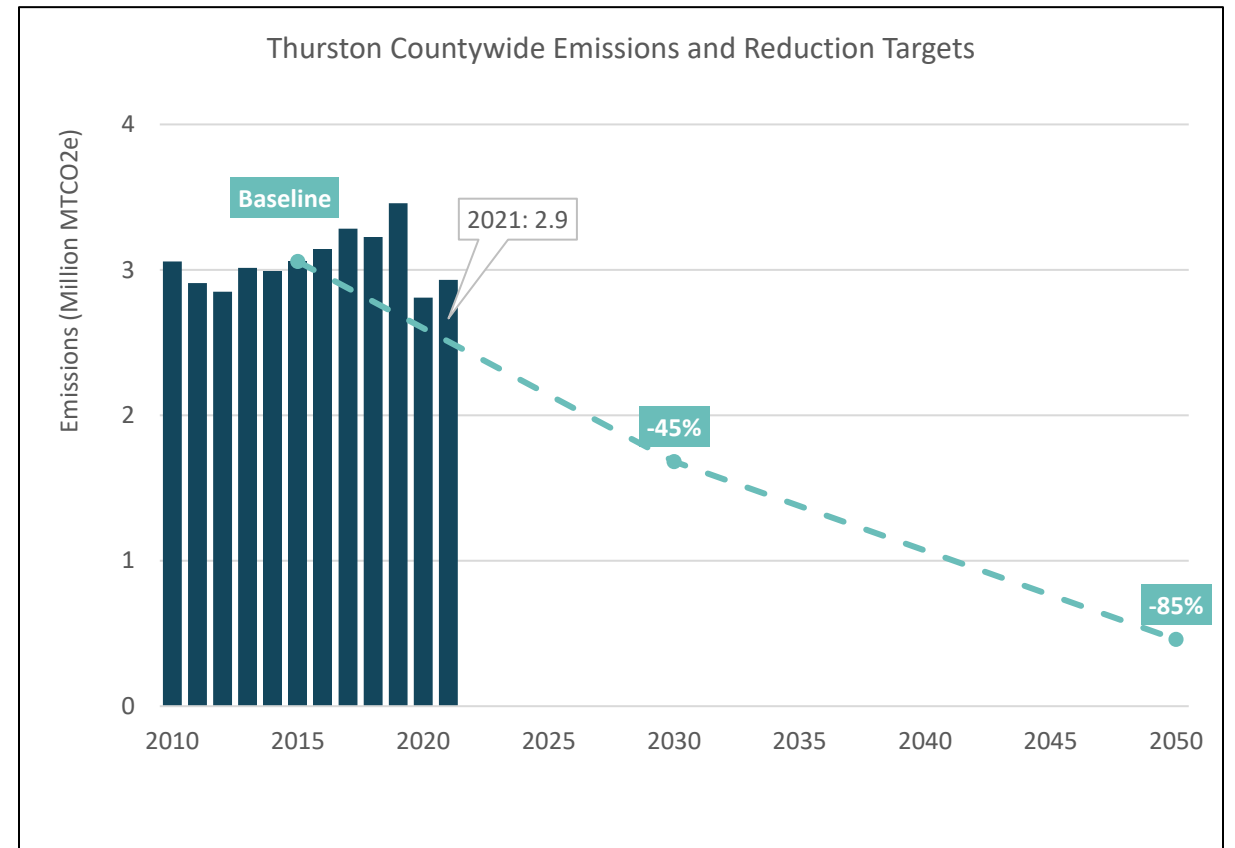
## Thurston Climate Mitigation 2022 Progress Report January 2023



**THURSTON**  
**CLIMATE ACTION**

# HOW ARE WE DOING?

- In 2021, after a steep drop in 2020, communitywide emissions rose 4%
- 4% decrease in emissions since 2015
- Per capita emissions decreased 13% since 2015



# BUILDINGS & ENERGY

**Emissions**  
2015-2021



**Electricity Usage**  
2015-2021

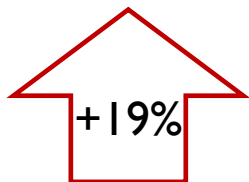


2030 Target: -20%  
2050 Target: -30%

**Renewable Energy  
Production –  
Generating Capacity**  
2021-2022



**Natural Gas Usage**  
2015-2021



2030 Target: -20%  
2050 Target: -50%

- 54% of emissions
- Industrial electricity and natural gas usage are the only targets we are on track to meet

## BUILDINGS & ENERGY - HIGHLIGHT

- Municipal energy upgrades

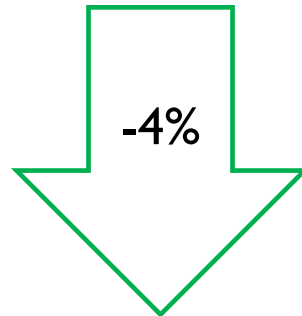


# TRANSPORTATION & LAND USE

**Emissions**  
2015-2021



**Vehicle Miles Traveled**  
2015-2021



2030 Target: -5%  
2050 Target: -20%

- 36% of emissions
- Telework and electric vehicle usage have both risen significantly
- We are not on track to meet land use goals aimed at limiting rural development and creating dense urban centers

# TRANSPORTATION & LAND USE - HIGHLIGHT



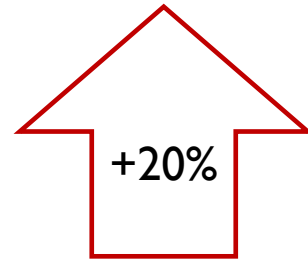
- Transportation improvements support active transportation and transit ridership

# WATER & WASTE

**Emissions**  
2015-2021

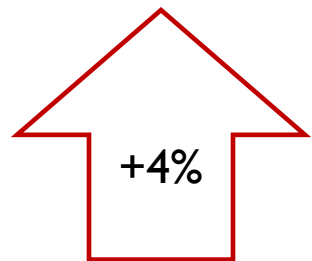


**Landfill Solid Waste,  
per Capita**  
2015-2021



- 3% of emissions
- Not on track to meet any sector targets

**Wastewater Treatment  
Emissions**  
2015-2021



2030 Target: -10%  
2050 Target: -30%

2030 Target: -20%

# WATER & WASTE - HIGHLIGHT

- Master Recycler  
Composter  
Program



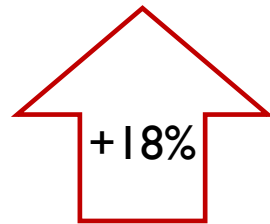
# AGRICULTURE, FORESTS, & PRAIRIES

**Agriculture  
Emissions  
2015-2021**



**Change in net emissions  
due to forested land  
cover changes**

Baseline - 2019



2050 Target: -40%

- 2% of emissions
- TCMP partners are moving forward on conservation projects



# Thurston County Habitat Conservation Plan

UPDATED FEBRUARY 22, 2022

Thurston County Community Planning and Economic  
Development Department

THURSTON COUNTY | 2000 LAKERIDGE DRIVE SW | OLYMPIA, WA 98502-6045

## AGRICULTURE, FORESTS, & PRAIRIES - HIGHLIGHT

- Habitat Conservation Plans

## STATE & FEDERAL ACTION

- State Legislation
  - ✓ **SB 5722** expands on the 2019 Clean Buildings Act
  - ✓ **HB 1280** requires that emissions reductions practices be considered in the design of major publicly owned or leased facilities
  - ✓ **HB 1814** establishes a new Community Solar Expansion Program
  - ✓ **Move Ahead WA** (SB 5974), a 16-year transportation package
  - ✓ **HB 1799** establishes statewide organic material management goals and sets new requirements
  - ✓ **Building code updates**
- **Inflation Reduction Act of 2022** allocates \$369 billion to energy security and climate change programs

## Buildings and Energy

- ✓ The Steering Committee advocated for passage of SB 5722, HB 1766, and HB 1770 as part of its legislative priorities. SB 5722 passed, and will set energy benchmarks for multifamily buildings and smaller commercial buildings. HB 1766 did not pass but would have set deadlines to limit new gas connections and transition toward electrification. HB 1770 also did not pass and would have allowed local jurisdictions to adopt a residential reach code in place of the state Energy Code. (B2.8, B4.6, B4.11, B6.4)

### B1. Reduce energy use in residential buildings.

- ✓ Lacey began developing an Energy Efficiency Audit Program and gap analysis of existing programs/ community offerings. The project has included hosting PSE events/energy-saving pop-ups and collaborating with Puget Sound Energy, Community Action Council, Department of Commerce and other local and regional agencies to identify existing barriers for local households looking to increase their residential energy efficiency while lowering monthly costs. (B1.2)
- ✓ Olympia received first applications for the Rental Rehabilitation Revolving Loan Fund to rehabilitate rental-housing units for low-income renters. This revolving loan fund provides access to zero-percent, deferred-payment loans to eligible applicants. Eligible projects include energy efficiency improvements such as replacing heating equipment and windows. Staff expect to write the first loan in first quarter of 2023. (B1.4)
- ✓ Olympia continued work to develop a rental housing registration program which will likely include a basic energy performance audit or inspection (B1.4).

### B2. Reduce energy use in existing commercial/industrial buildings.

- ✓ Tumwater looked at how Clean Building Performance Standards will impact City facilities and has started to compile data in EnergyStar Portfolio Manager. (B2.1)
- ✓ Olympia Public Works completed a LED conversion for the entire 108 State Street (old Family Support Center) facility. The building is 14,700 square feet, and approximately 300 light fixtures were updated. (B2.3)
- ✓ Lacey continues to convert lighting to LED in all facilities. Since 2007, all of Lacey's municipal buildings (including City Hall, the library, community center, museum, and public works operations center) as well as all City utility systems, parks and recreation facilities, and more than 4,300 streetlights are powered by "100 percent green" electricity from renewable energy credits. All traffic signals within Lacey have been converted to LED fixtures. (B2.3)

# DETAILED ACTION REPORTING

## YEAR IN REVIEW

- Emissions are rebounding after COVID-19, but are below pre-pandemic levels
- Jurisdictions have increased staff capacity to implement TCMP actions
- New opportunities for public involvement
- Unprecedented state and federal investment in climate action