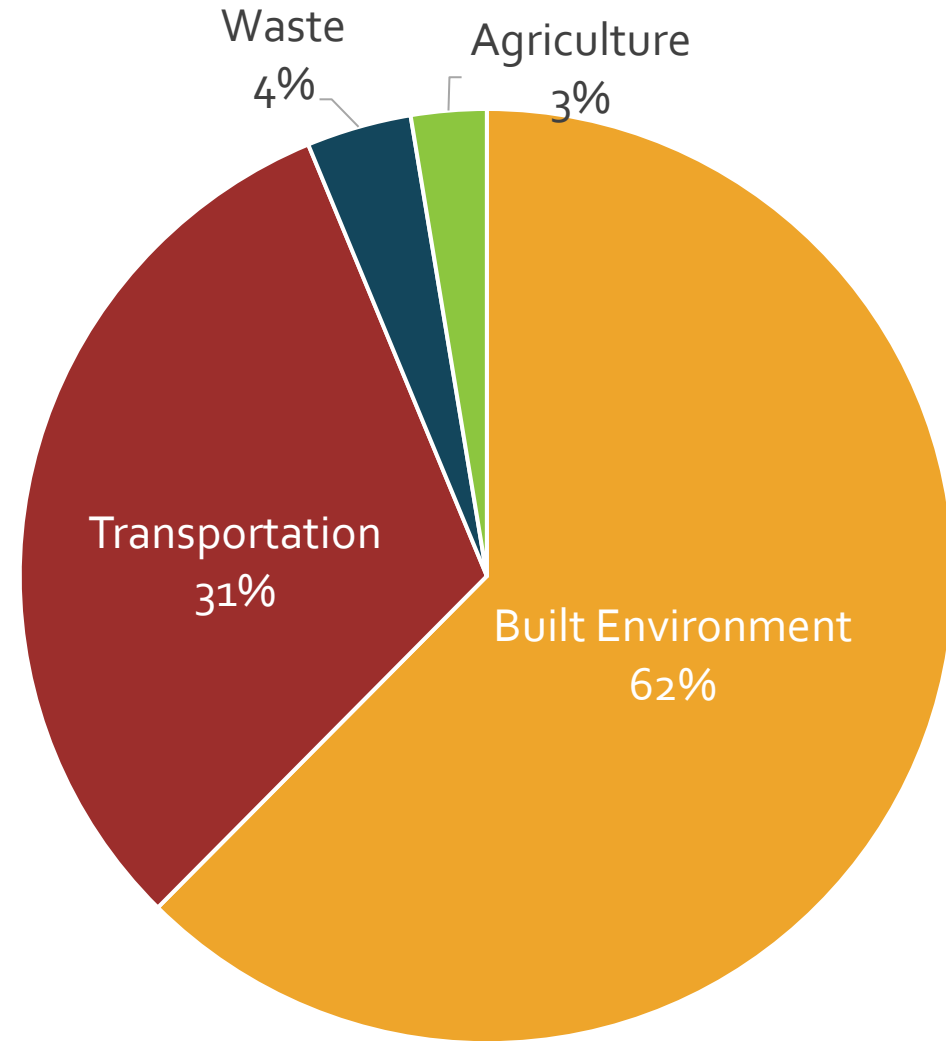


Buildings Background

March 28, 2022

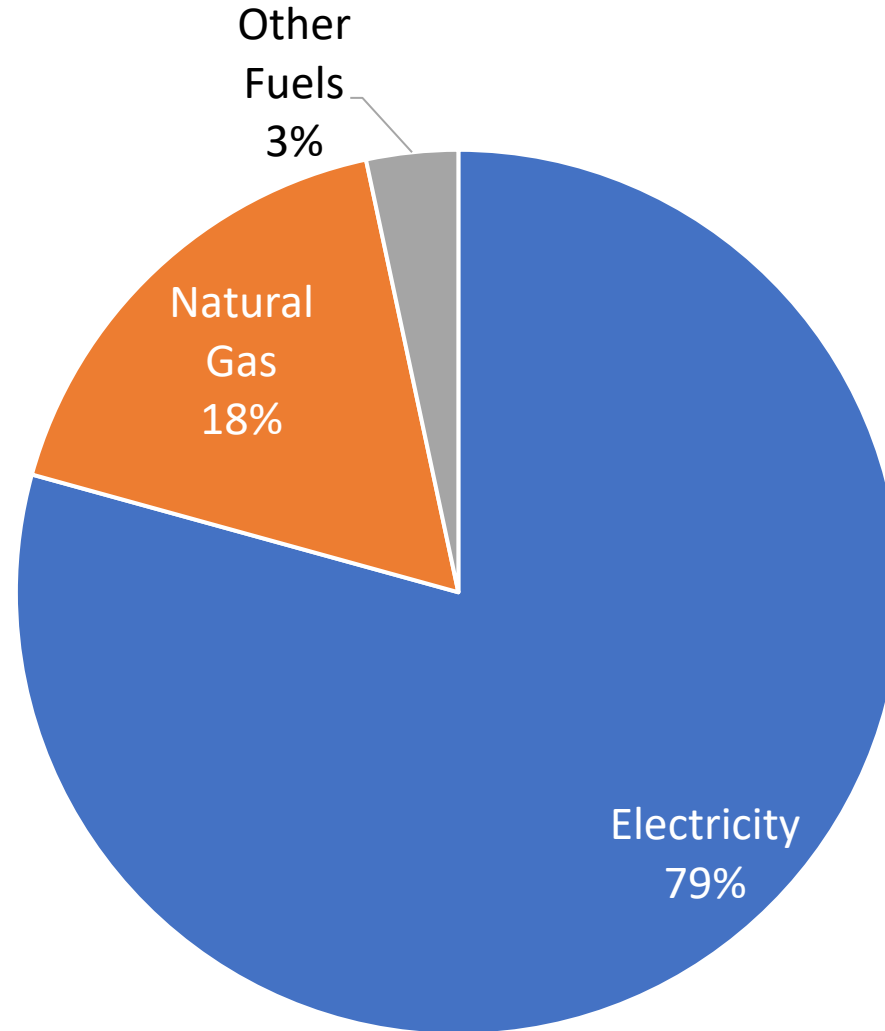
Climate Action Steering Committee

Countywide Emissions (2019)



- Source: Greenhouse Gas Inventory Report for Calendar Years 2015-2019, Thurston Climate Action Team (December 2021)

Countywide Built Environment Emissions, by Fuel Source (2019)



- Source: Greenhouse Gas Inventory Report for Calendar Years 2015-2019, Thurston Climate Action Team (December 2021)

Buildings & Energy: Strategies & Actions

- **Reduce energy use in existing buildings (B1/B2/B3)**
 - Standards and incentives for energy efficiency improvements
- **Reduce energy use in new buildings and redevelopment (B3/B4)**
 - Permitting and financial incentives
 - Code updates
 - Education and technical assistance
 - Green building tracking
- **Increase the production of local renewable energy (B5)**
 - Solar-ready construction
 - Municipal and group solar
- **Convert to cleaner fuel sources (B6)**
 - Electric appliance requirements (new construction)
 - Incentives for gas to electric conversions

Buildings & Energy: Targets

Baseline Year: 2015

Electricity

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

Natural Gas

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

Other Fuels

- 2030: -10%
- 2050: -20%

Buildings & Energy: Energy Use, 2015-2020

Energy Use

Electricity Use,
2015-2020



+3%

Natural Gas Use,
2015-2020



+17%

- Residential use is rising most (both fuels)
- Commercial natural gas use also rising
- Industrial use is falling (both fuels)

Carbon Wedge Analysis

Reduction in Thurston County Greenhouse Gas Emissions: Impact of State and Local Policies

