

City of Ashland Climate and Energy Action Plan



Progress Report for Ashland City Council

2021.05.04



Why does the CEAP exist?

To support Ashland's 2050 Climate Vision

...to be a resilient community that has zero net greenhouse gas emissions, embraces equity, protects healthy ecosystems, and creates opportunities for future generations.

CEAP Progress Report 2021 review

- History and Goals
- Key Issues
- Progress and Plans
- Operational Opportunities
- Data

How was Ashland's climate plan created?

- The CEAP is an ongoing, multi-year process
- 2015 - Citizen planning committee (1.0)
- 2016 - Plan development
- **2017 - Plan adoption, Climate Recovery Ordinance**
- 2018 - Citizen implementation committee (2.0), Staffing
- 2019 - Conservation and Climate Outreach Commission / Climate Policy Commission
- (2021 - Implementation update)

Climate Recovery Ordinance - AMC 9.40

9.40.020 Climate Goals for **Community**

9.40.030 Climate Goals for **City Operations**

9.40.040 Required CEAP **Contents and Updates**

ORDINANCE NO. 3145

**AN ORDINANCE ESTABLISHING GREENHOUSE GAS
AND FOSSIL FUEL REDUCTION GOALS AND TARGETS
FOR COMMUNITY AND CITY OPERATIONS**

Article 2, Section 1 of the Ashland City Charter provides:

...have all powers which the constitutions, statutes, and
...expressly or impliedly grant or allow
...operated each of those
...dition thereto,

How do we do this? **Overarching Strategies**

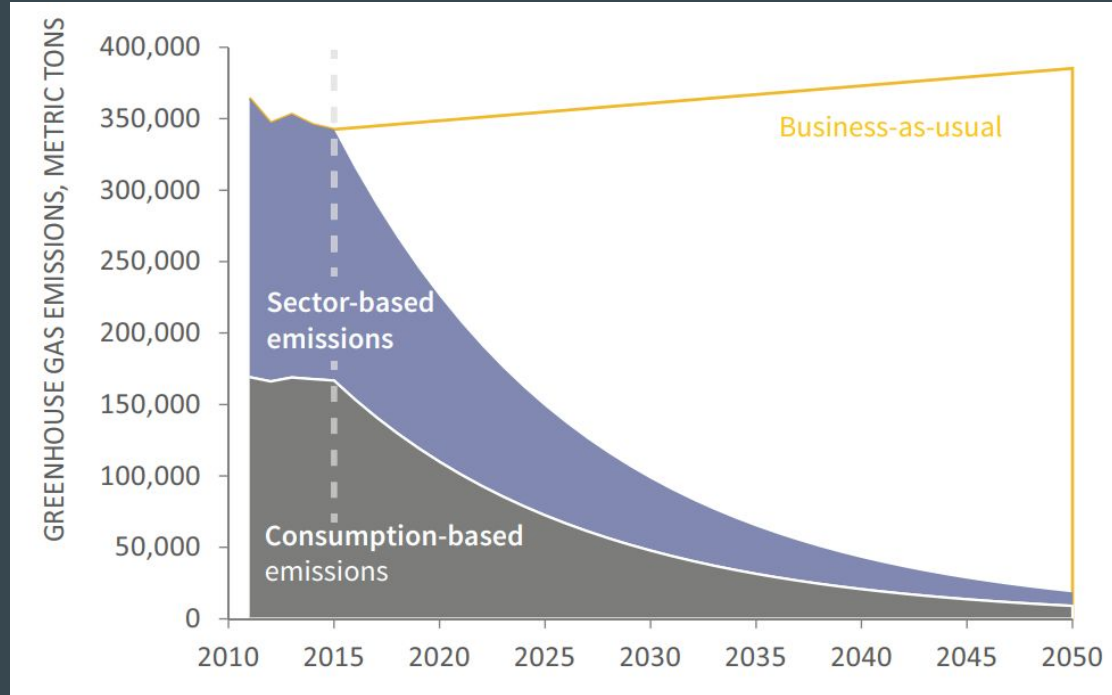
- Transition to clean energy.
- Maximize conservation of water and energy.
- Support climate-friendly land use and management.
- Reduce consumption of carbon-intensive goods and services.
- Inform and work with residents, organizations, and governments.
- Lead by example.

Goal 1: Dramatically Reduce Our Climate Pollution

Ashland community

-8%

Average reduction,
every year until 2050



Goal 1: Dramatically Reduce Our Climate Pollution

Municipal Operations

Carbon Neutral

by 2030

Fossil reductions

50%

by 2030

100%

by 2050

Goal 2: Prepare Our Community for Climate Impacts

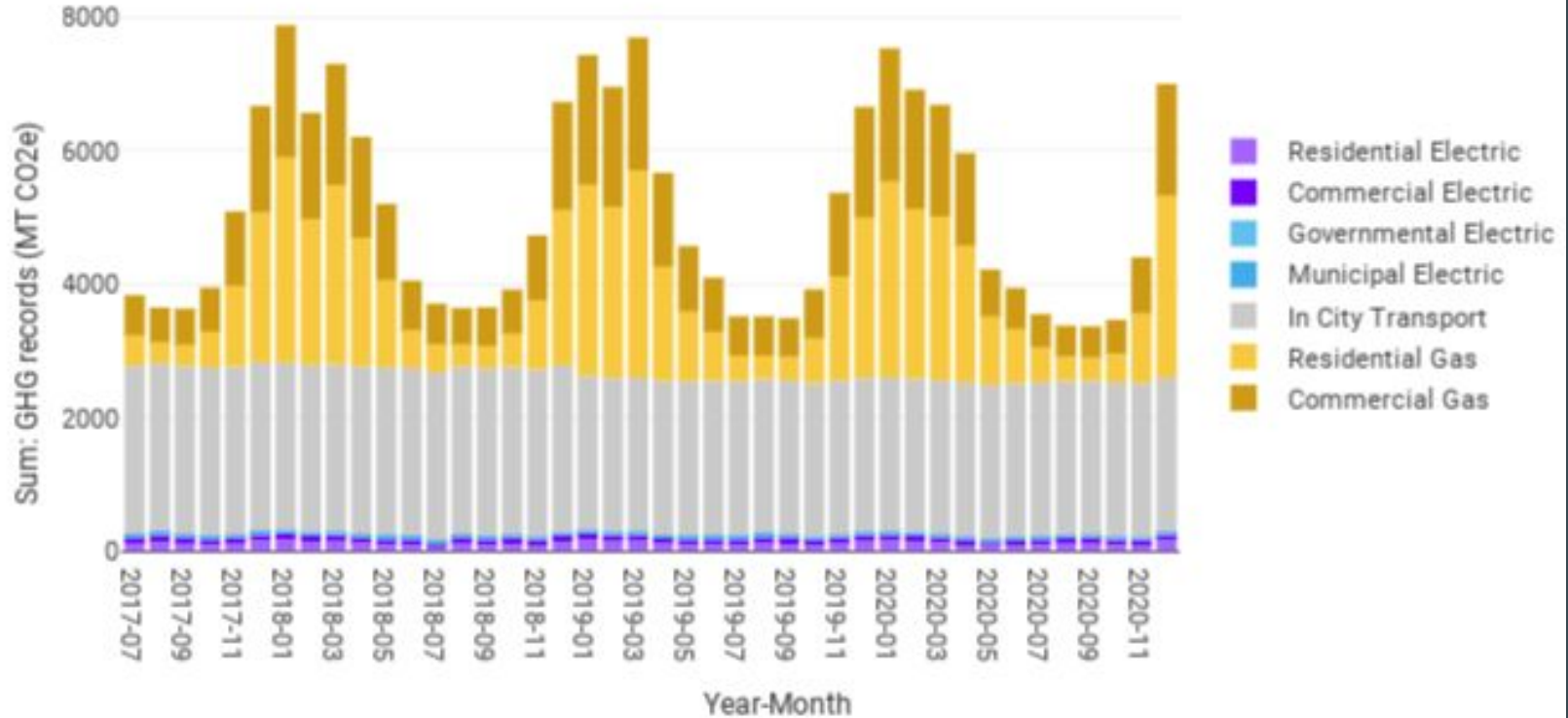


CEAP Key Issues

- Goal 1: community emissions are holding steady
- Goal 2: more planning needed for resilience
- Fossil fuel infrastructure continues to expand
- Limited funding and staff capacity
- Rising community expectations
- City has limited authority
- Slow moving emergency

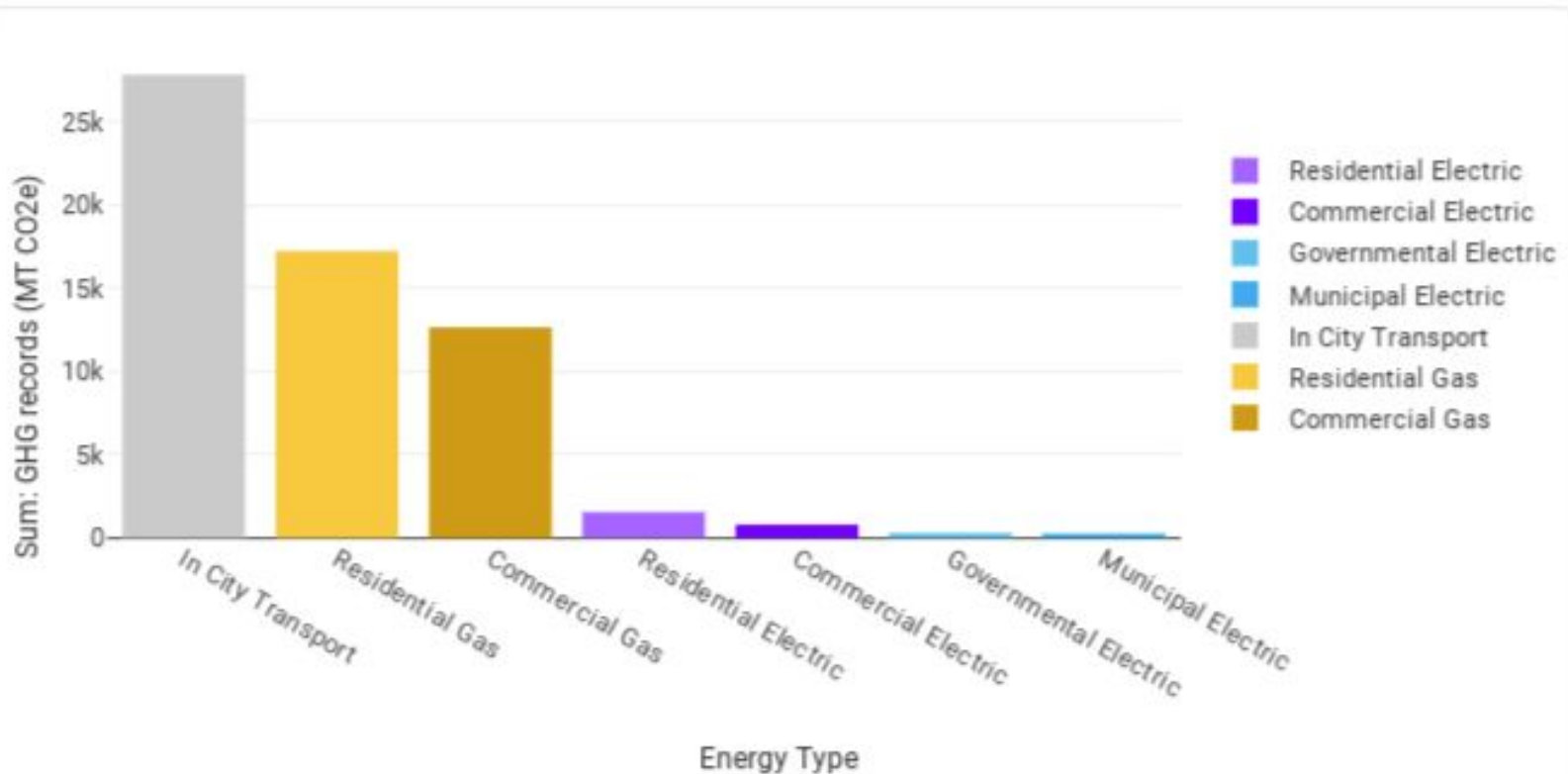
Ashland's Climate Altering Emissions

Approximate MT CO₂e by Energy Source from 2017-2020 ▾

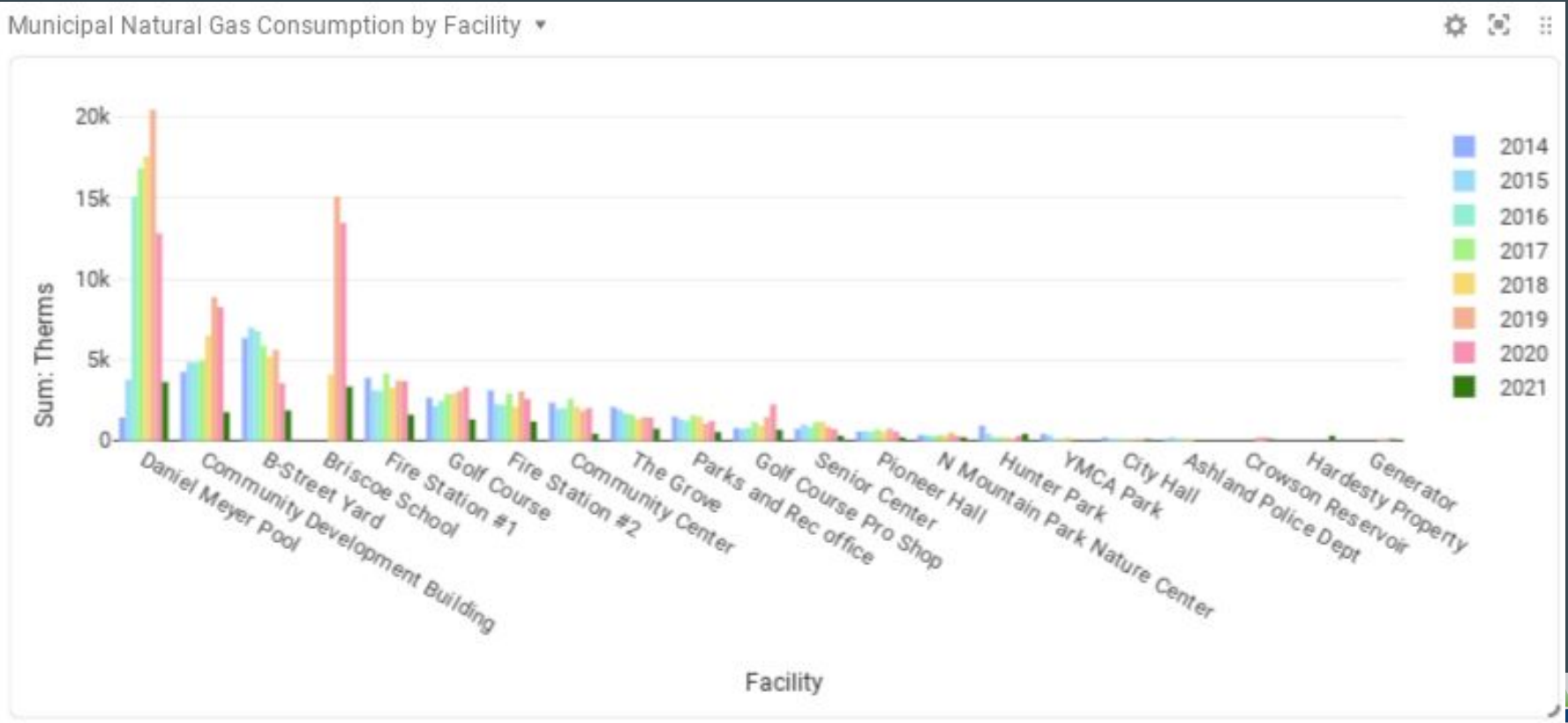


Ashland's Climate Altering Emissions

2020 Ashland Emissions of CO₂e by Source ▾

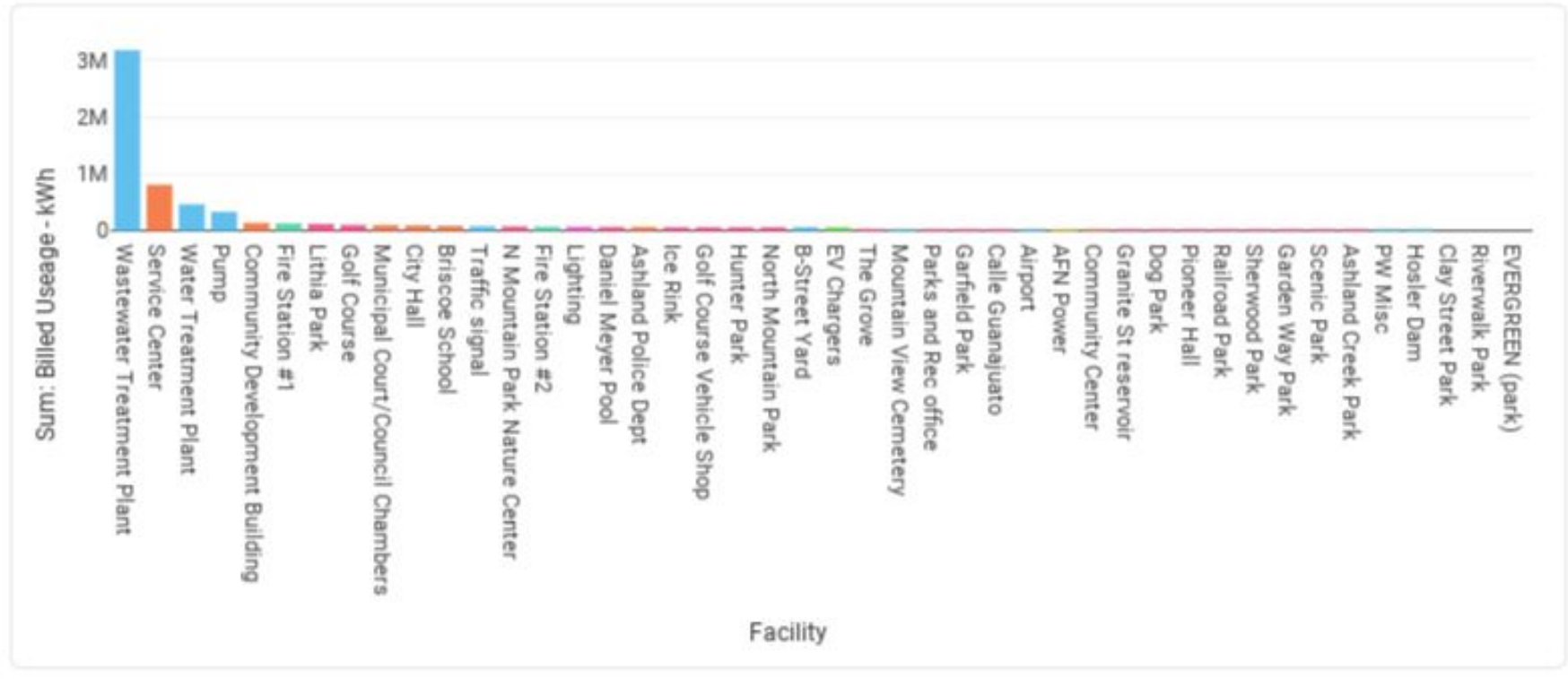


Ashland's Climate Altering Emissions - Municipal Gas



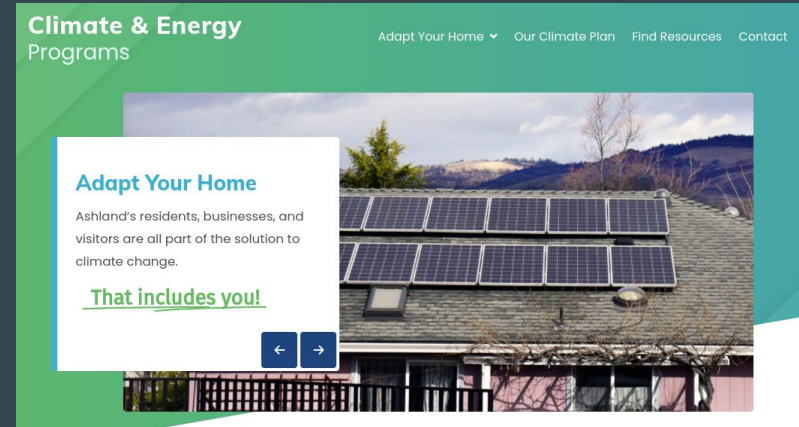
Ashland's Climate Altering Emissions - Municipal Electricity

Municipal Electric Use by Facility ▼



CEAP Progress

- Vehicle electrification + clean fuels program
- City Climate and Energy Programs
- RARE Americorps support
- New website: ashland.or.us/climate
- CEAP-related grants (\$60k)
- Strong solar policies
- Community motivation
- Pandemic opportunities
- USDA-RESP invitation



CEAP Plans

- Apply for **USDA-RESP funding** to expand building energy retrofits
- Pursue **1 MW utility solar** and supporting policies
- Avoid or **reduce fossil fuel infrastructure** emissions
- Additional climate and energy programs planned
- Expand electric utility services
- Incorporate equity considerations into all Conservation programs
- Support regional climate planning

Operational Opportunities - Building Energy Use

- Building energy retrofit loans
 - City is facilitator
 - Removes upfront cost to ratepayer
 - Lowers barriers for
- Create Home Energy Score program
- Create additional emission reduction incentives
- Modify density bonus



Operational Opportunities - Expand Renewable Energy Supply

- 1 MW Utility Solar
- Add Community solar
- Add Municipal solar
- Create Distributed Energy Policy
- Future-proof plans for electrification



Operational Opportunities - Low Carbon Transportation

- Add more **low-barrier public charging**
- Create a landscape that invites more pedestrians, cyclists, and non-car modes
- Continue zero emission incentives
- Continue Municipal fleet and fuel transition
- Seek new revenue



Operational Opportunities - Zero Waste Economy

- Wastewater Treatment Plant
 - In-vessel composting proposal
 - Reduces fuel, labor, cost, emissions
 - Needs funding, support, staff capacity



Adapt your home!

Four pillars of home adaptation

- Prepare
- Switch
- Rethink
- Renew

ashland.or.us/climate



Prepare

We can't control when emergencies happen, but it is important to get ready for them.



Switch

Reduce your greenhouse gas emissions and lower your carbon footprint by switching off of fossil fuels.



Rethink

By rethinking our consumption habits, we can reduce our emissions and the strain on our natural resources.



Renew

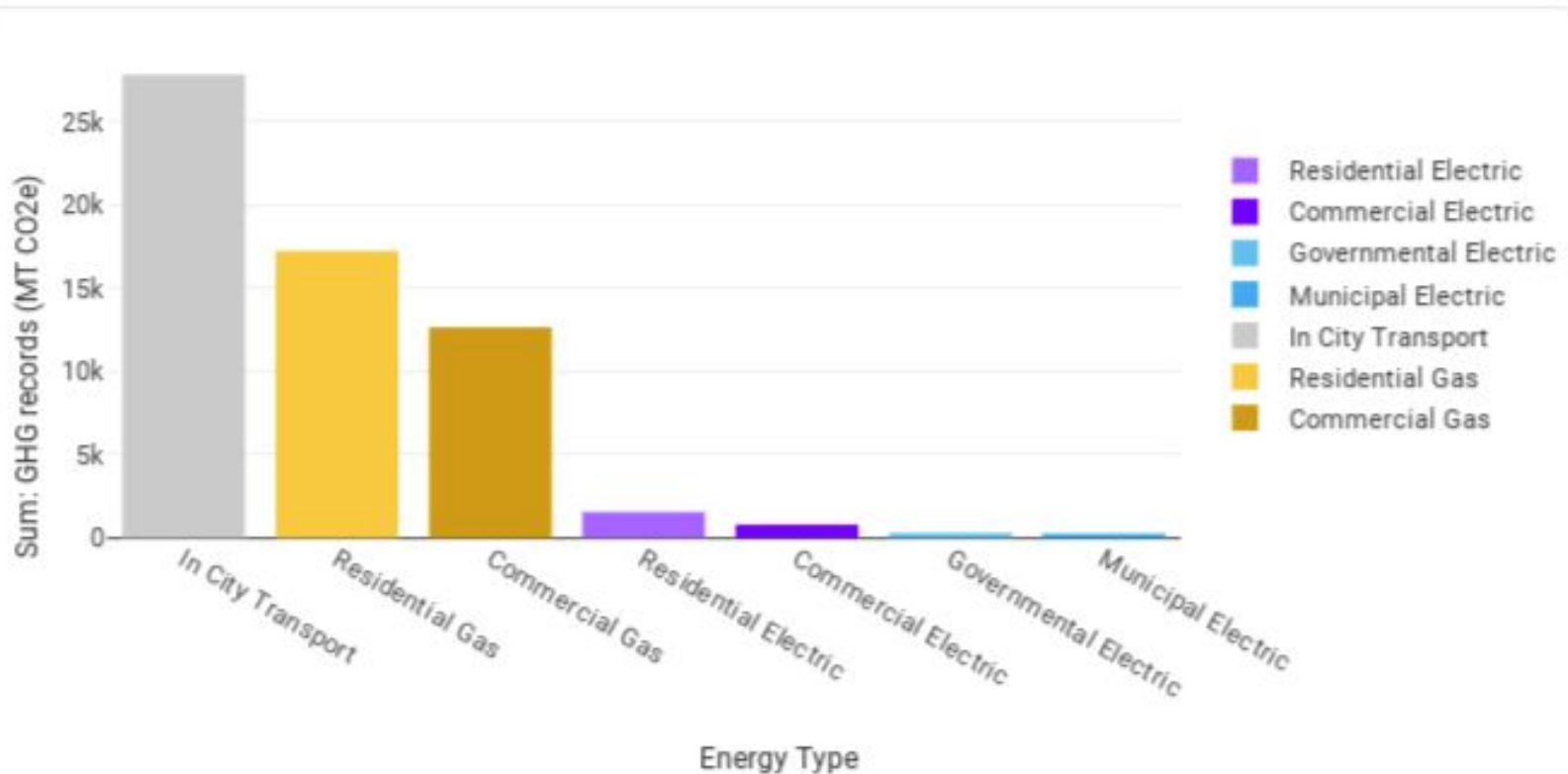
Supporting renewable energy reduces fossil fuel reliance and helps support a green economy.

Q&A



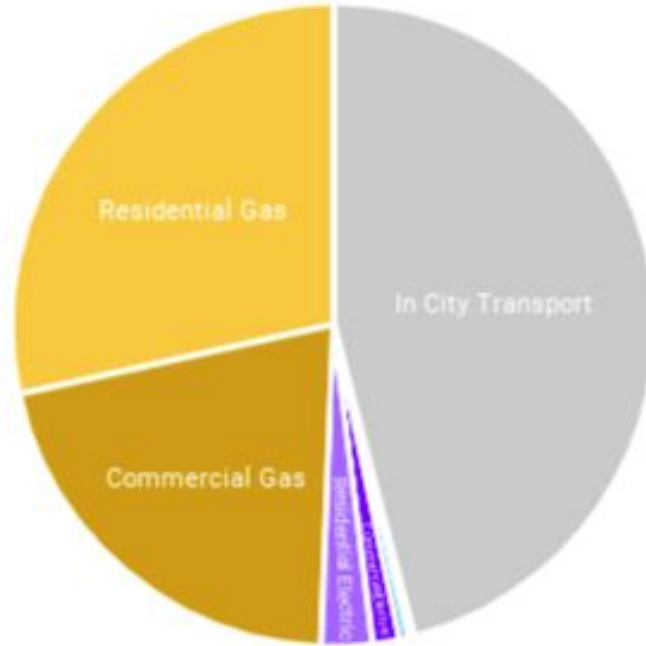
Ashland's Climate Altering Emissions

2020 Ashland Emissions of CO₂e by Source ▾



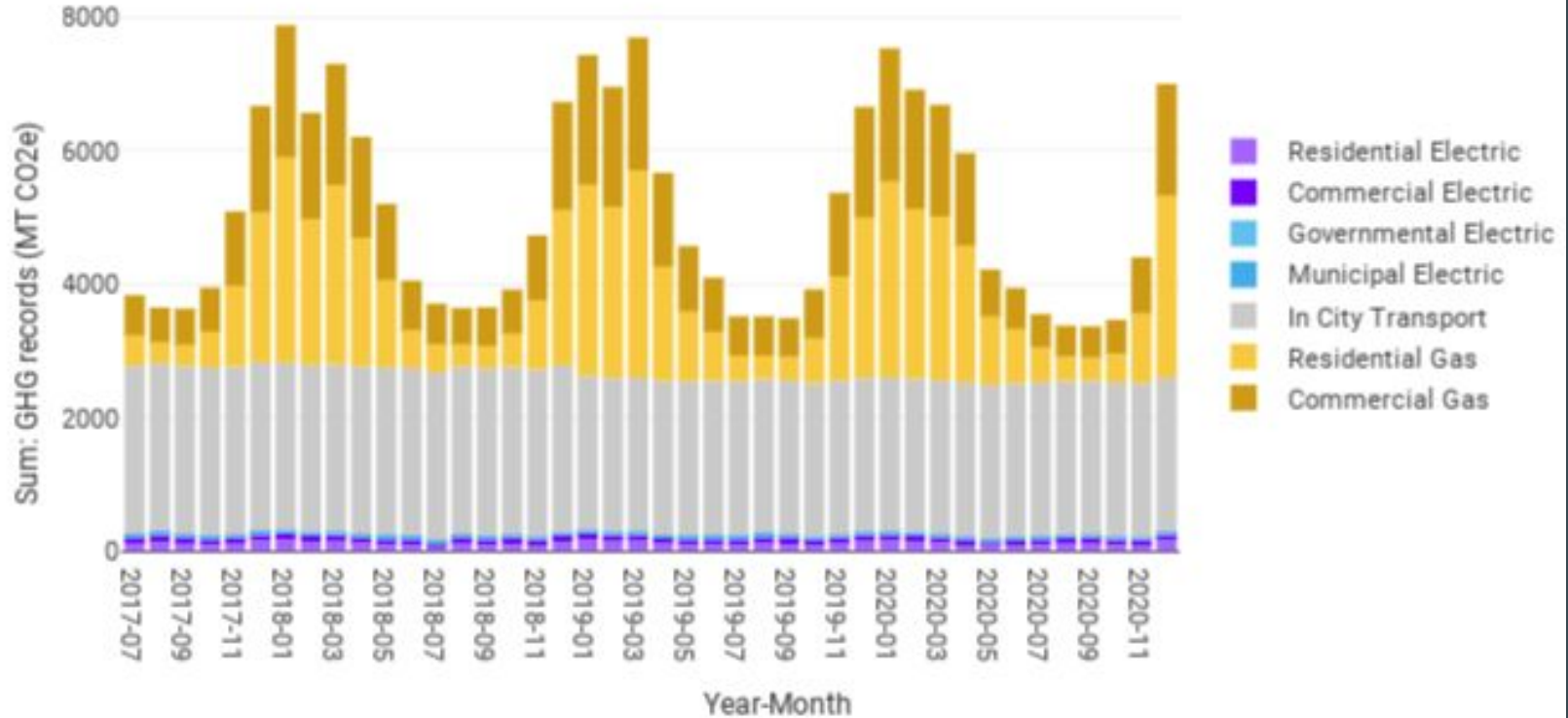
Ashland's Climate Altering Emissions

2020 Ashland GHG by Source ▼



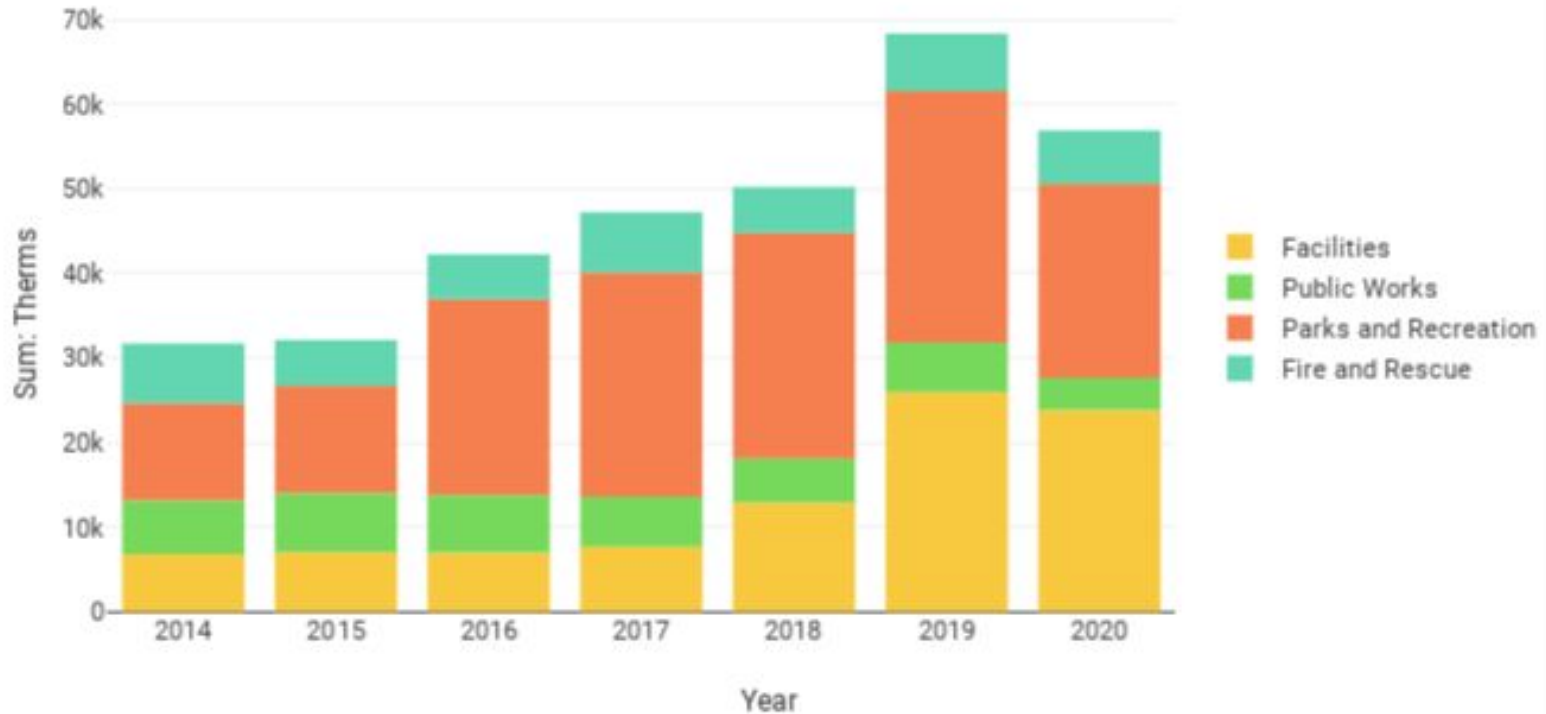
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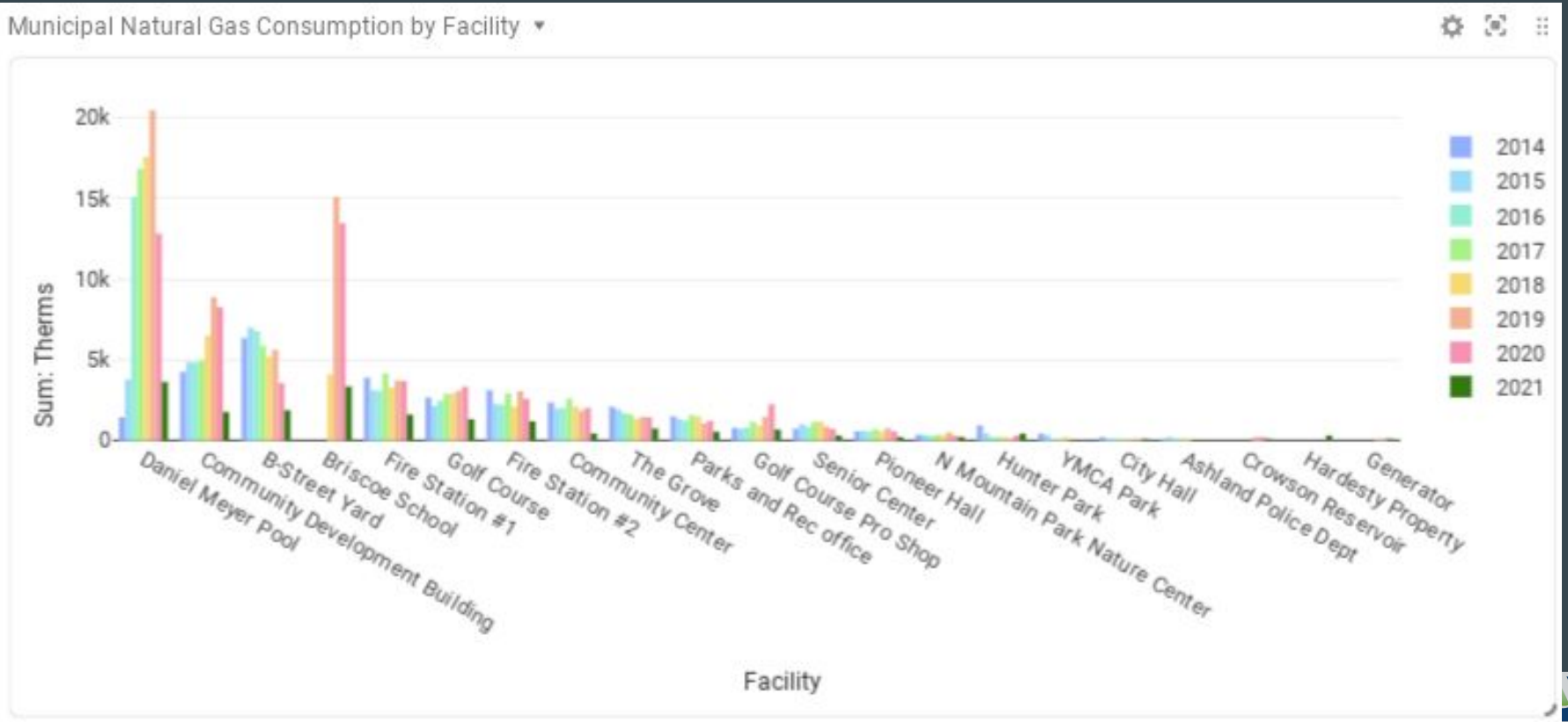


Ashland's Climate Altering Emissions - Municipal Gas

Municipal Natural Gas Consumption by Year/Dept

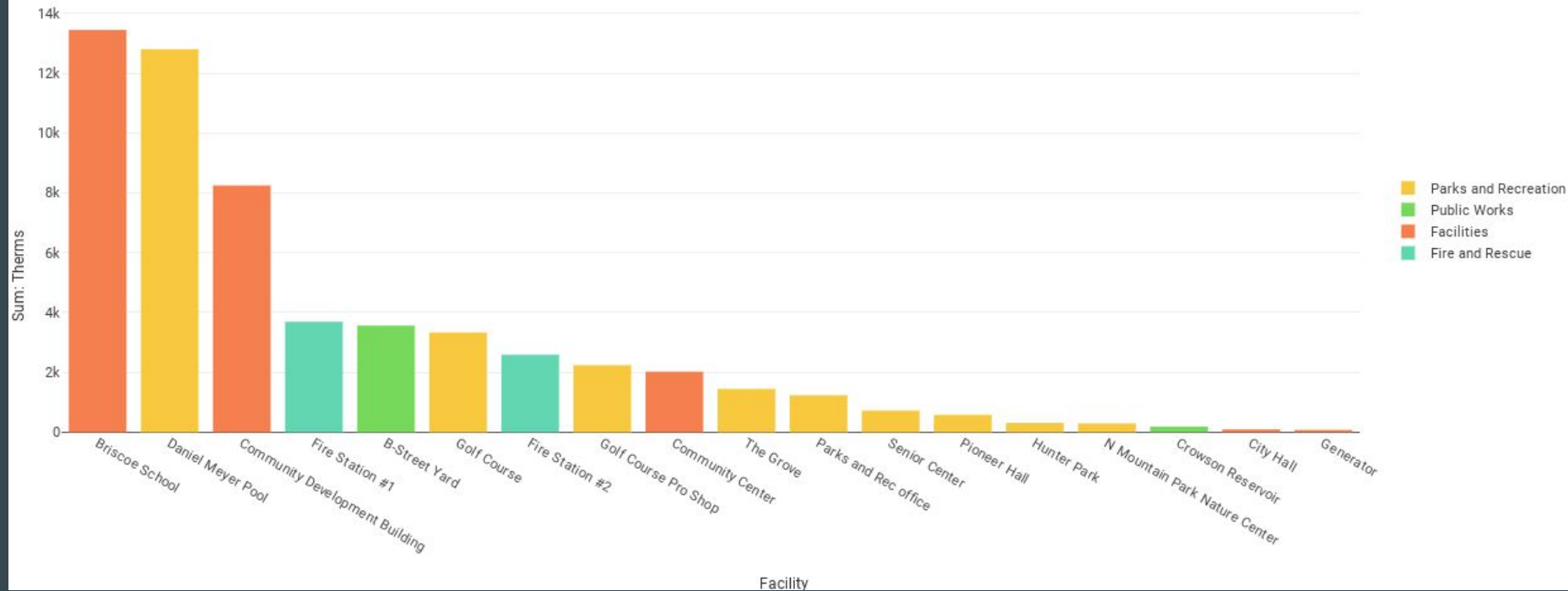


Ashland's Climate Altering Emissions - Municipal Gas



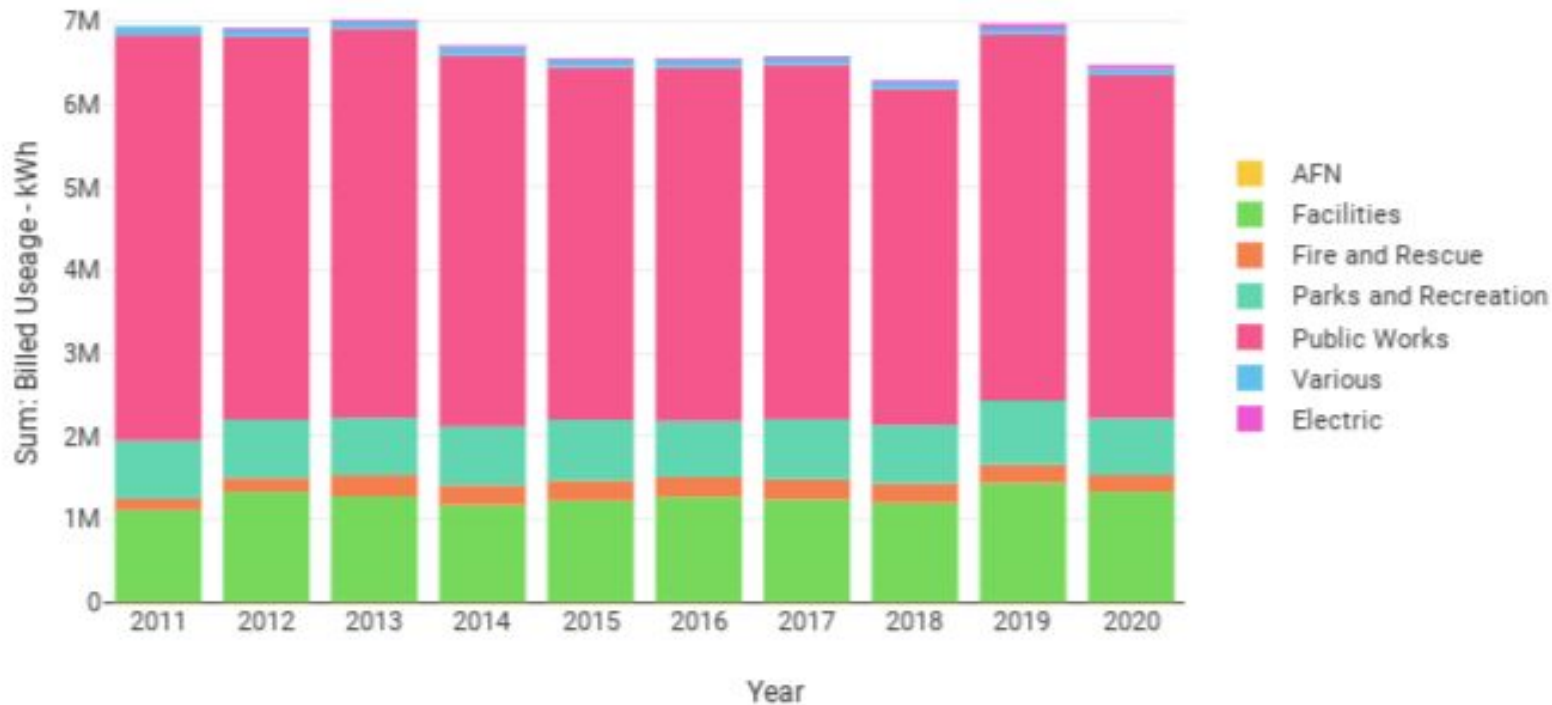
Ashland's Climate Altering Emissions - Municipal Gas

Municipal Natural Gas Consumption by Facility 2020 ▾



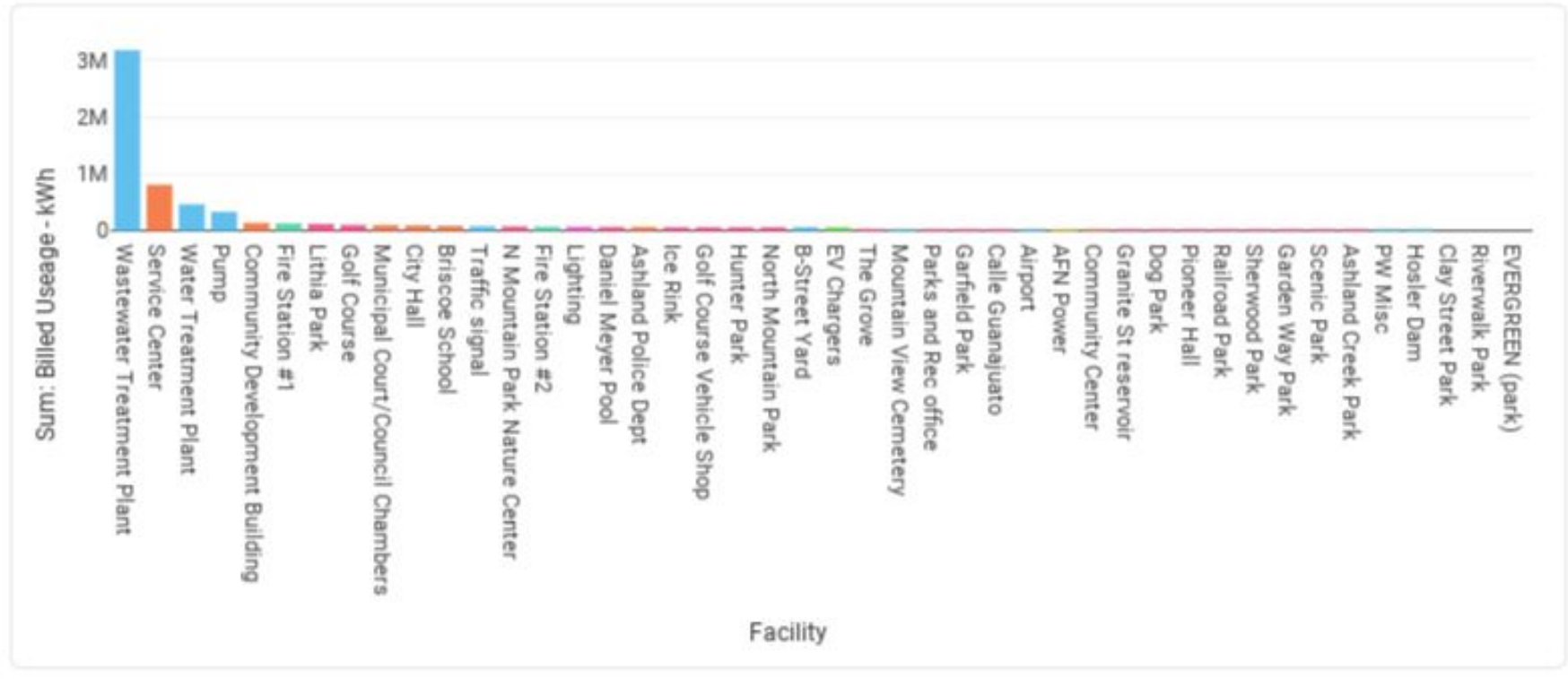
Ashland's Climate Altering Emissions - Municipal Electricity

Municipal Electric Use by Year/Department



Ashland's Climate Altering Emissions - Municipal Electricity

Municipal Electric Use by Facility ▼



Q&A

Thank you!

Stu Green

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Ashland's Climate Vision for 2050 is to be a resilient community that has zero net greenhouse gas emissions, embraces equity, protects healthy ecosystems, and creates opportunities for future generations. For more information please see: [ashland.or.us/climate](https://www.ashland.or.us/climate)

