



CLIMATE ACTION STEERING COMMITTEE AGENDA:

August 1, 2025

Municipal Building 15 South College Ave. Oxford, Ohio 45056 First Floor Conference Room

9:00 AM

Mark Boardman, Sandi Woy-Hazelton, David Prytherch, Jason Bracken, Anne Webster, Peggy Branstrator, David Gorchoy, Olivia Herron

Reena Murphy

Approval of Agenda

Approval of Minutes

1. Summary of the June 3rd, 2025 Work Session
2. Minutes from the November 21st, 2024 Meeting

Old Business

New Business

1. Green Umbrella Climate Action Fellowship Presentation (Kate Kozak and Oluwaseun Olubodun, Fellows)

Adjournment



MINUTES

OXFORD CLIMATE ACTION STEERING COMMITTEE

Municipal Building 15 South College Ave. Oxford, Ohio 45056 First Floor Conference Room

TUESDAY, JUNE 3, 2025 AT 1:00 PM

Approval of Agenda

Members in attendance were: Mark Boardman, Anne Webster, David Gorchoy, Olivia Herron, Jason Bracken, and Peggy Branstator. The staff liaison was Reena Murphy, joined by summer fellows Kate Kozak and Oluwaseun Olubodun. Members of the public present were Sean Scott with Oxford Free Press and Nat Ziegler and Jon-Paul d'Aversa from Power a Clean Future Ohio.

Approval of Minutes

Old Business

New Business

1. GHG Worksession with Power a Clean Future Ohio

Power a Clean Future Ohio (PCFO) and staff have been working together to conduct a greenhouse gas inventory for Oxford, using calendar year 2023. PCFO conducted two inventories -- one with and one without Miami University, as Oxford's climate goals exclude the University's emissions.

Nat provided an overview of PCFO and shared that this inventory is part of the organization's free technical assistance to municipalities. Jon-Paul provided a deep dive into the drafted inventory, discussing different methodologies, data changes, and more.

Slides of the final inventory following the work session are attached.

Adjournment

RED BRICK
ROAD TO **ZERO**

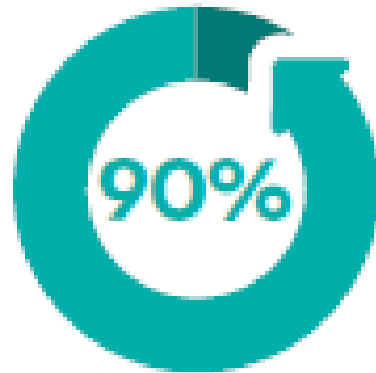


BY 2030



50% Reduction in GHG emissions over 2019 baseline

BY 2040



90% Reduction in GHG emissions over 2019 baseline

BY 2045



Community-wide net neutrality

*Excluding MU

2023 Greenhouse Gas Inventory

This analysis was provided as part of Power a Clean Future Ohio's no-cost technical assistance program.

The analysis uses US EPA's Local Greenhouse Gas Inventory Tool.

This inventory assesses emissions for activities that occurred within the city limits. When data were not available, estimates were used if a certain level of confidence could be achieved. Data were provided by the city or estimated by UNPREDICTABLEcity.


Lastly, this analysis considers both net and gross emissions for our community.





**Power A Clean
Future Ohio**
LOCAL COMMUNITIES LEADING THE WAY

1 Metric Tons of Carbon Dioxide (CO₂) equivalent

This is equivalent to greenhouse gas emissions from:

0.233 gasoline-powered passenger vehicles driven for one year 

0.883 electric-powered passenger vehicles driven for one year 

2,547 miles driven by an average gasoline-powered passenger vehicle 

This is equivalent to CO₂ emissions from:

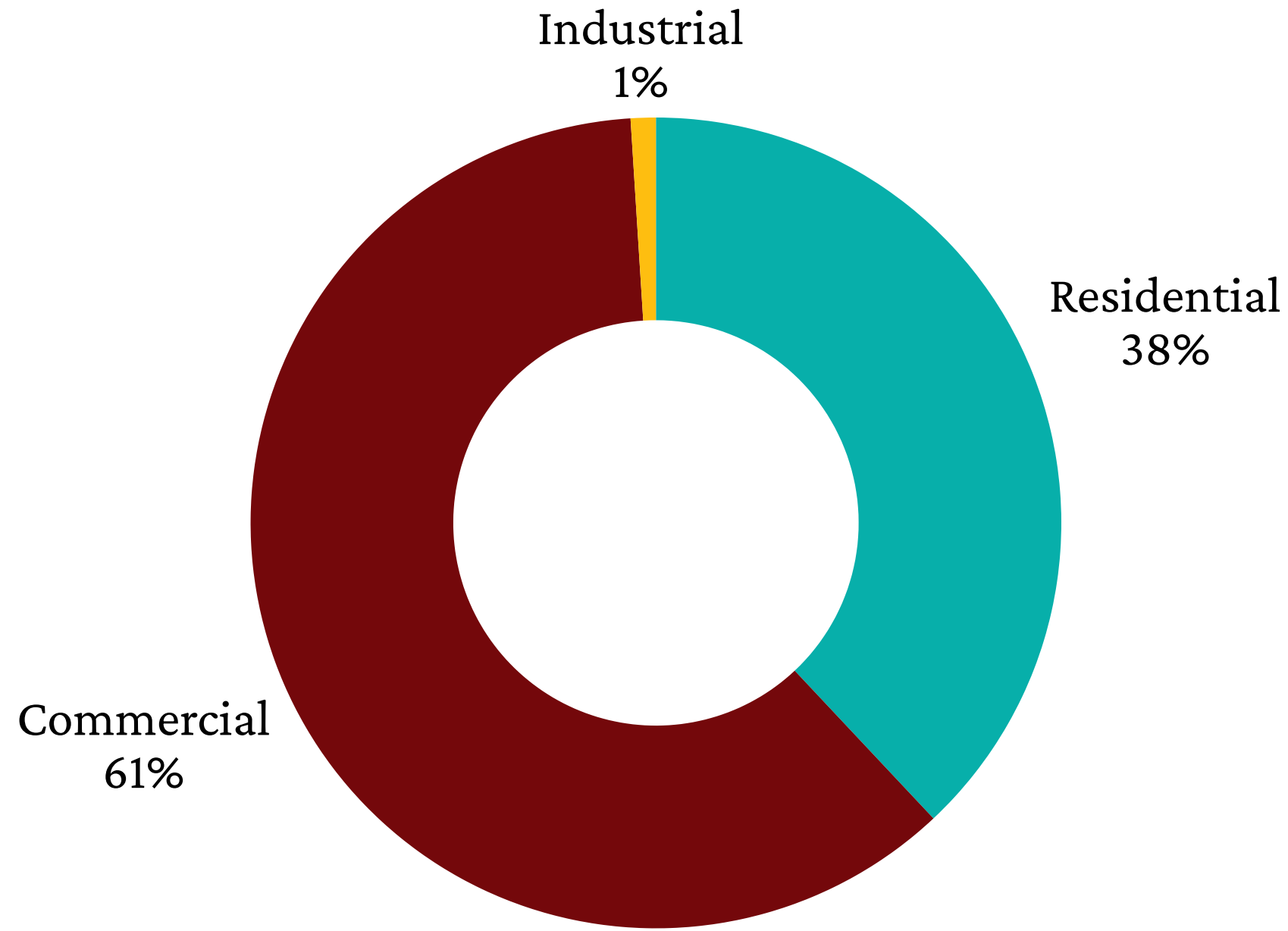
113 gallons of gasoline consumed 

98.2 gallons of diesel consumed 

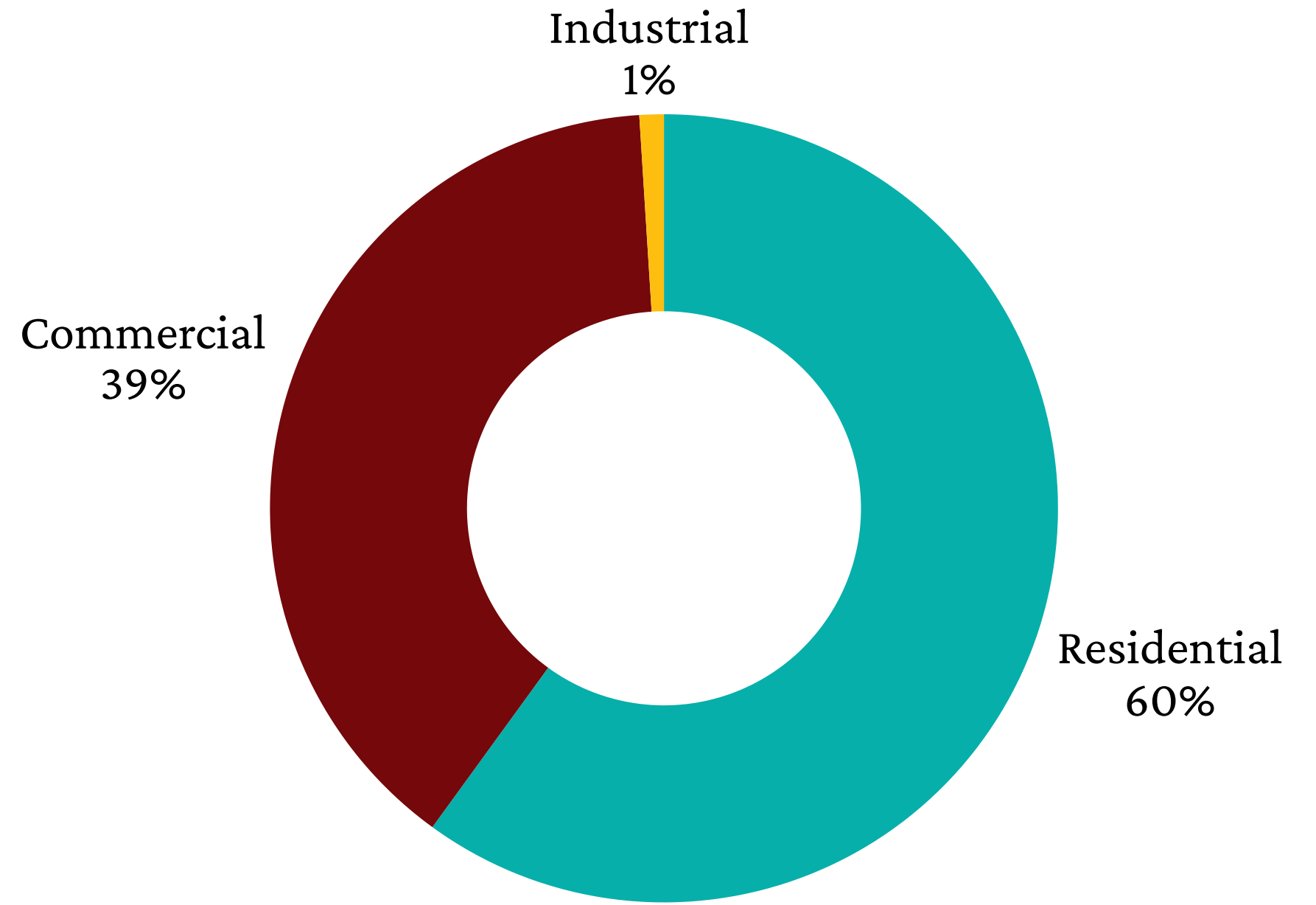


2023 COMMUNITY WIDE EMISSIONS

Gross Emissions by Sector

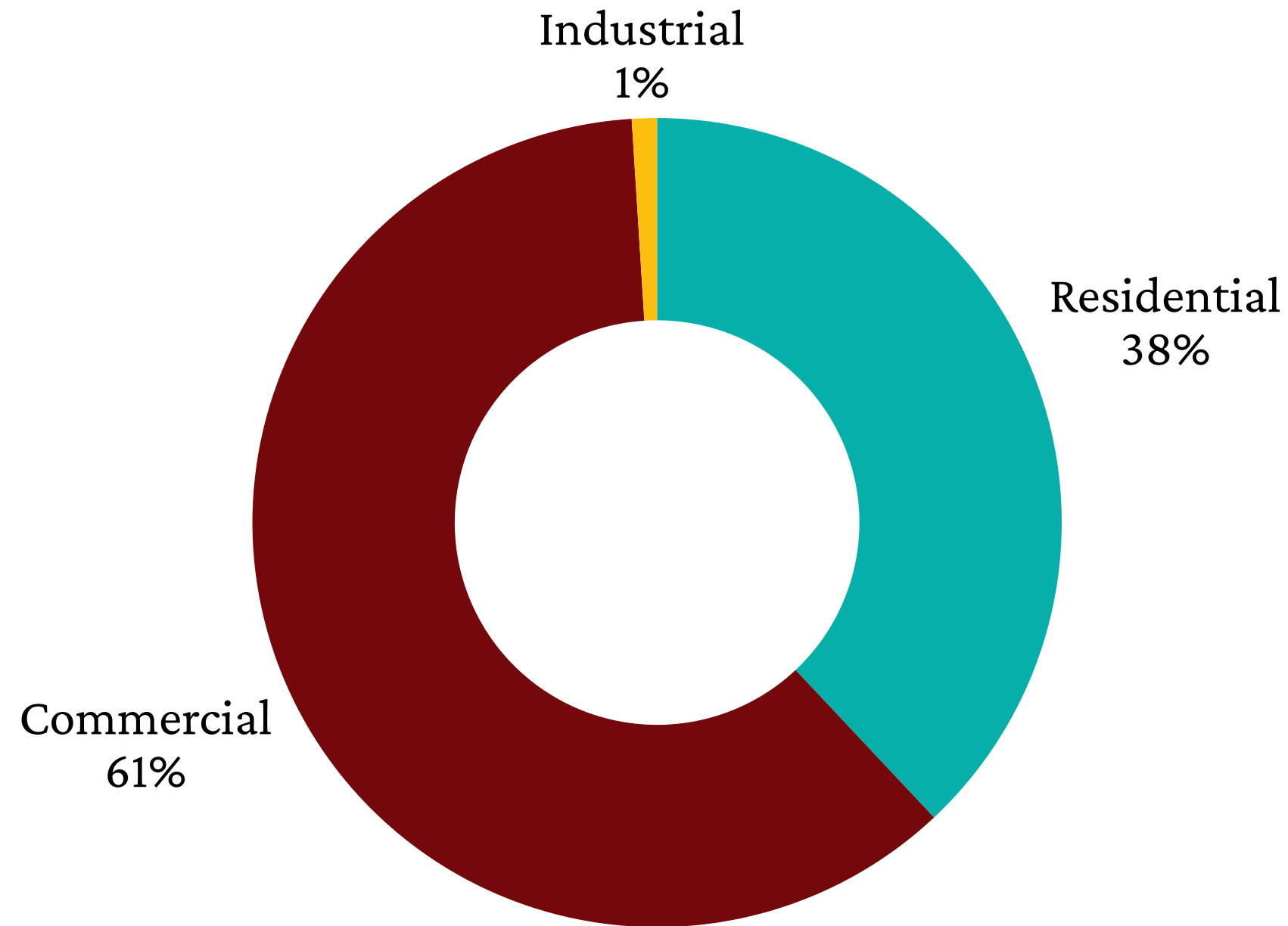


With MU; 173,081 MT CO₂e

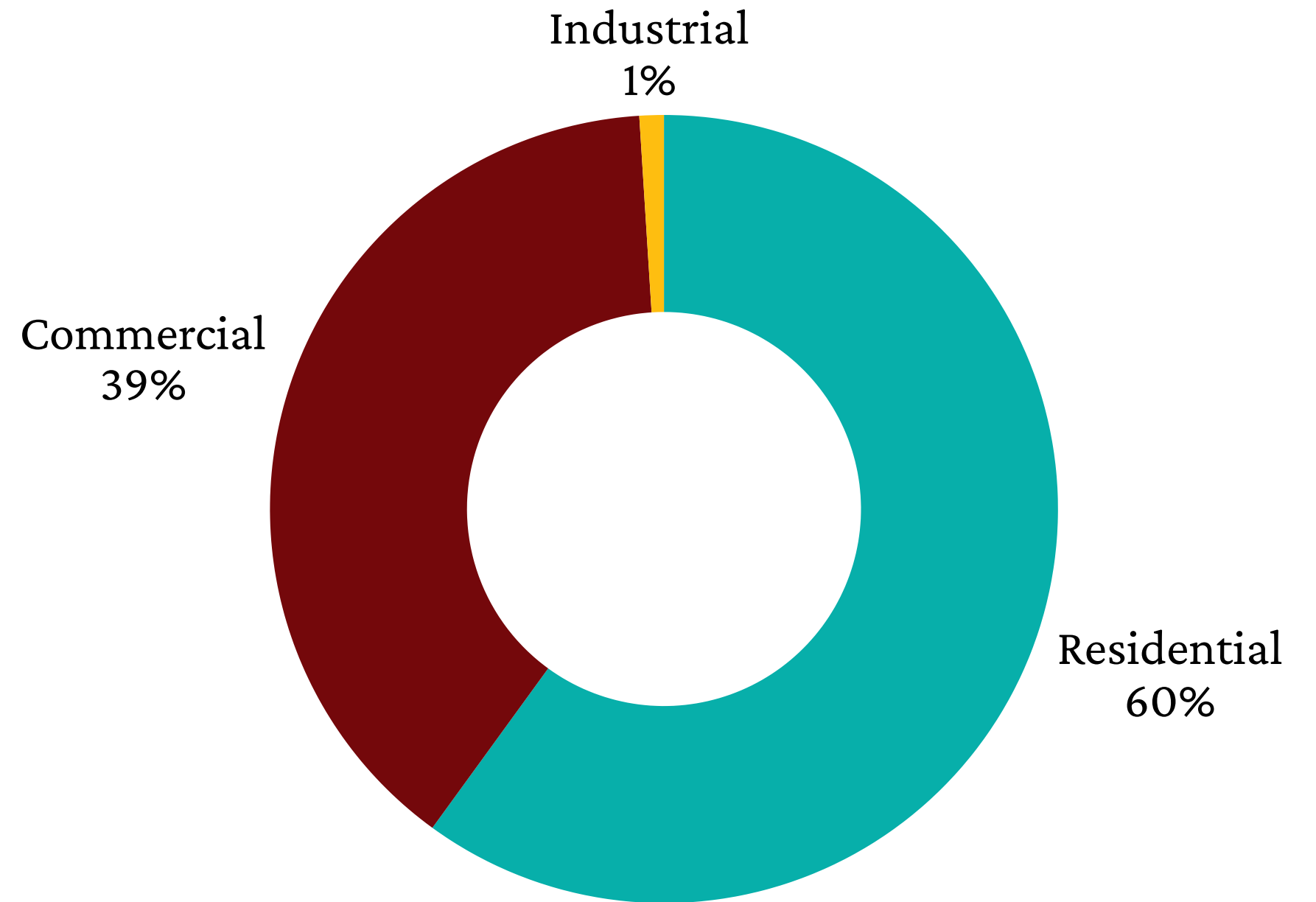


Without MU; 110,678 MT CO₂e

Gross Emissions by Sector

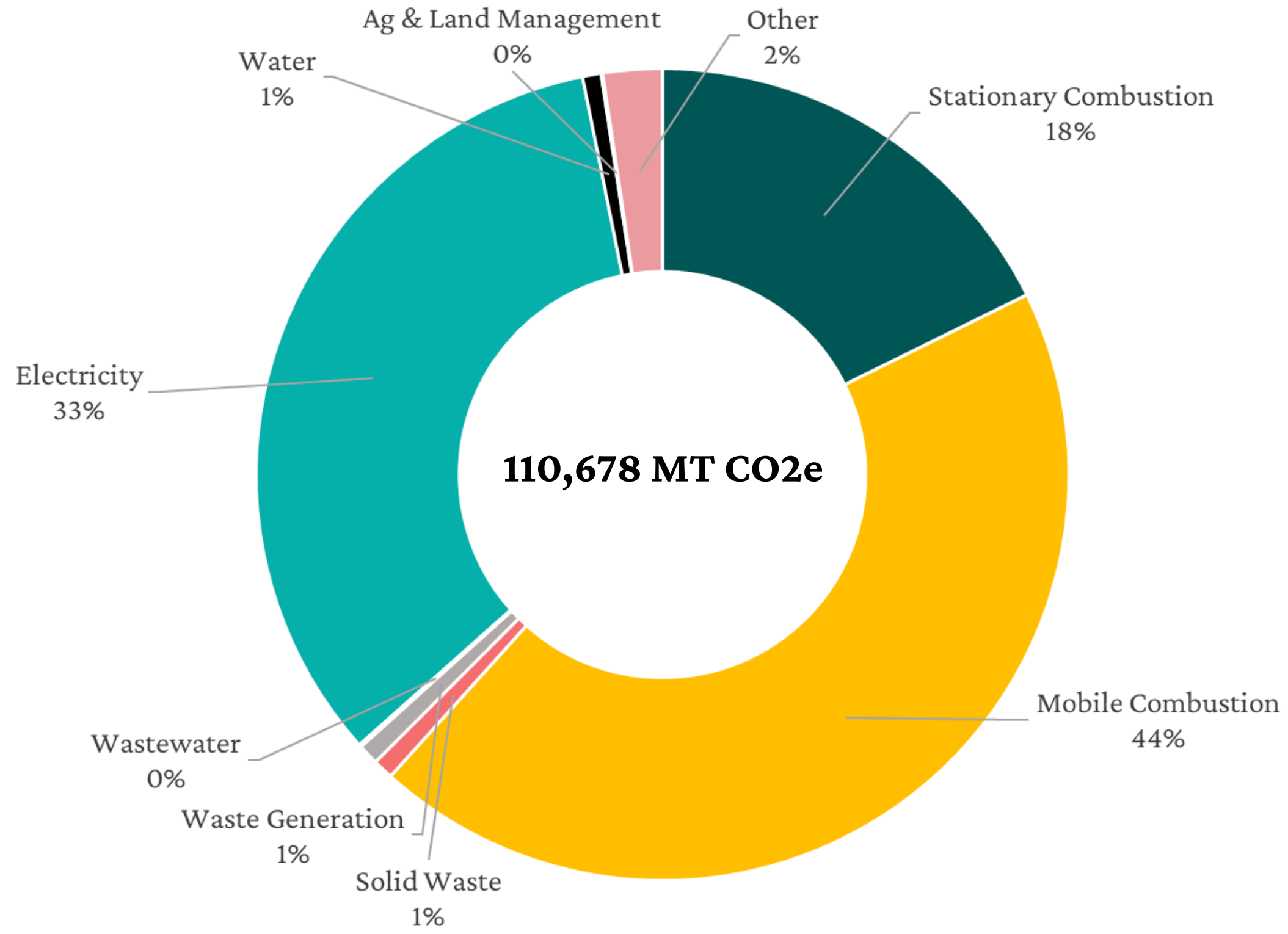


With MU; 173,081 MT CO₂e

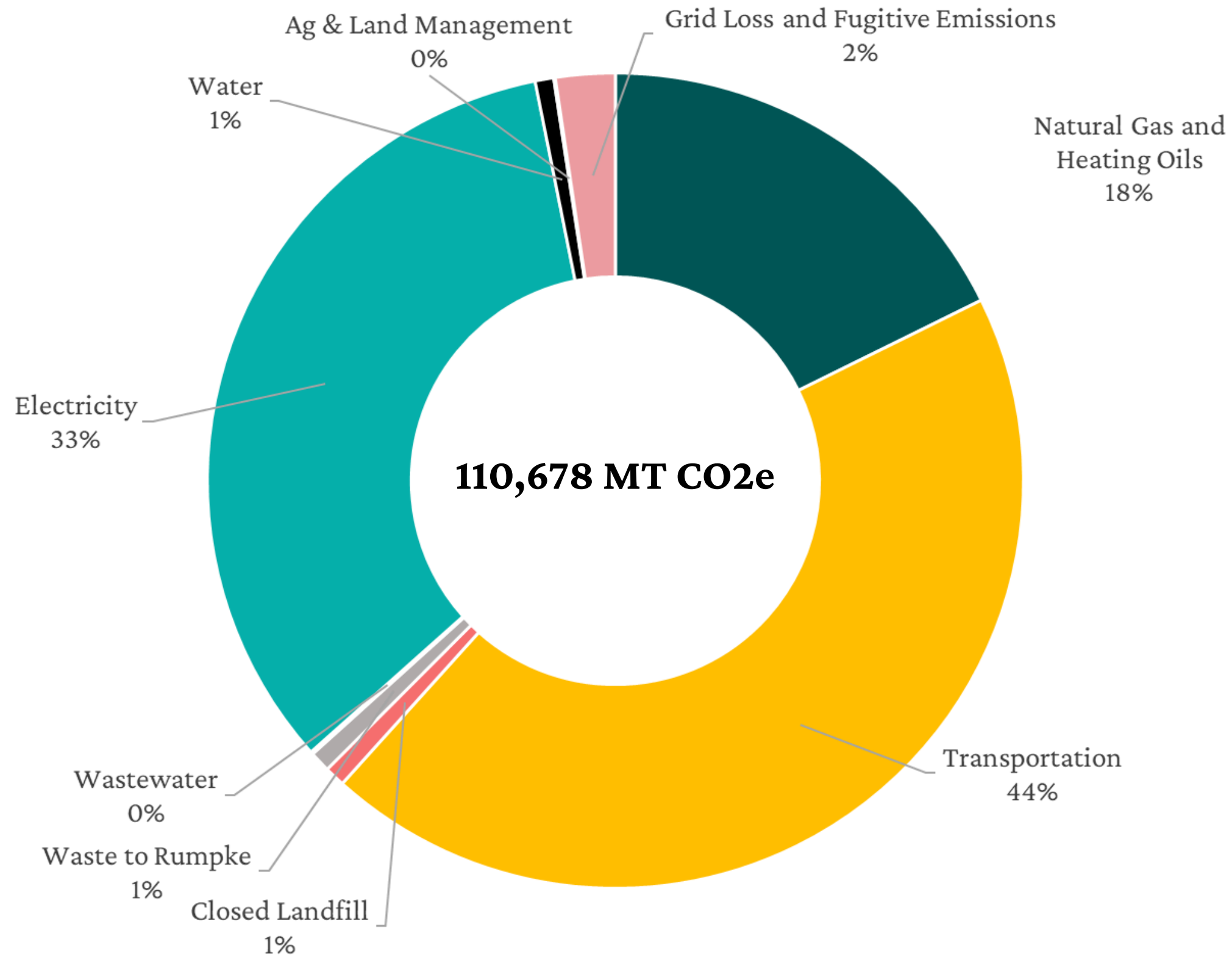


Without MU; 110,678 MT CO₂e

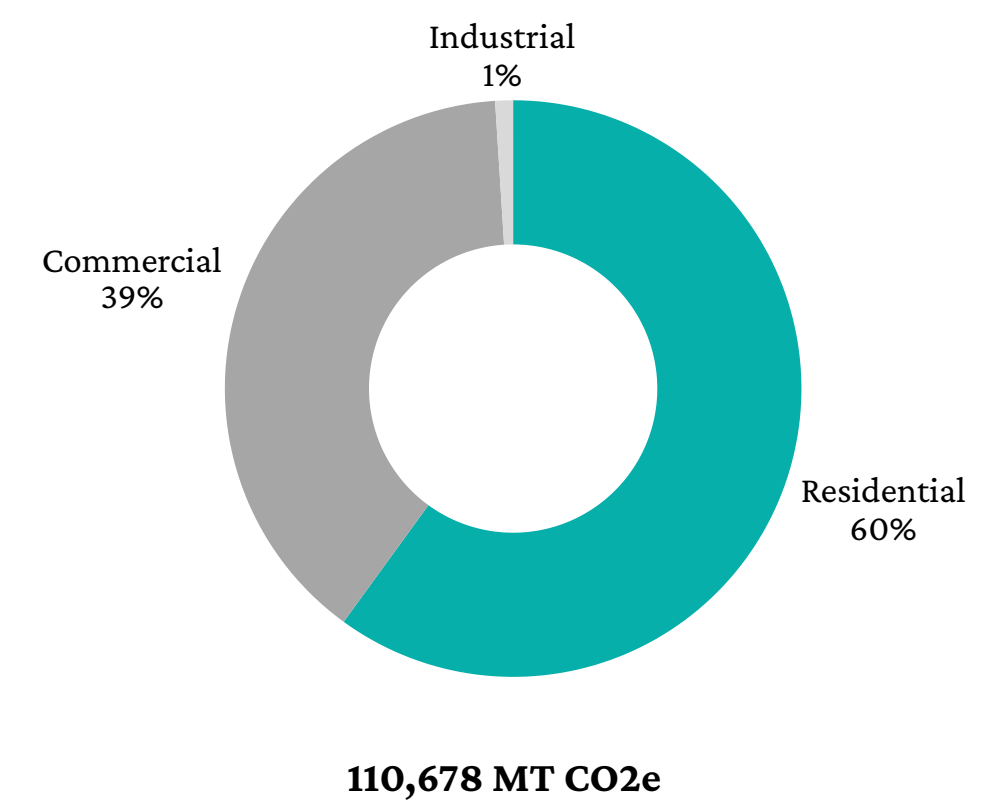
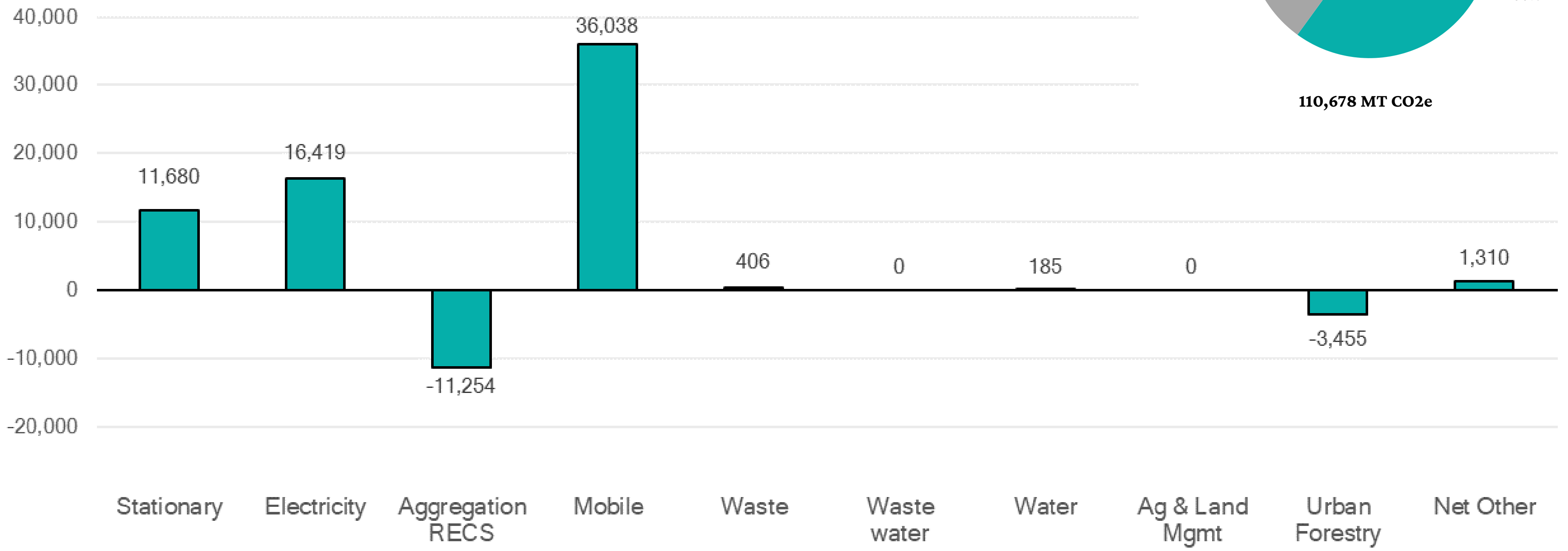
Community Wide Emissions by Source



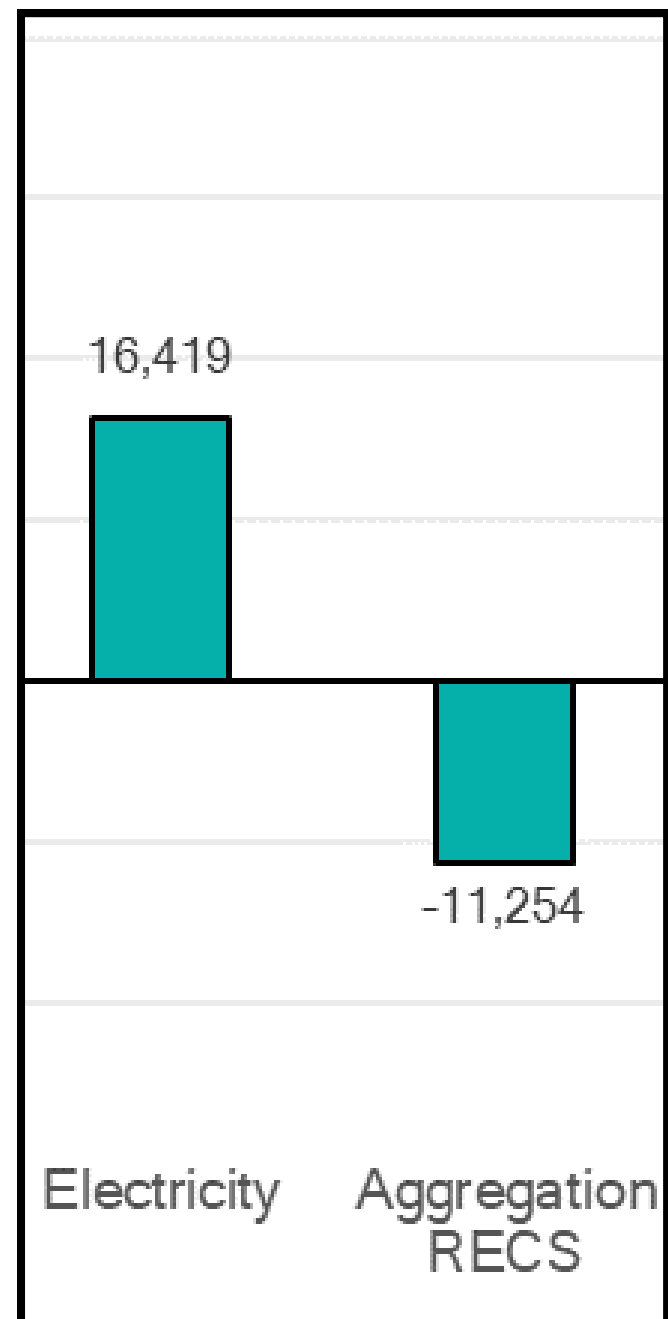
Community Wide Emissions (Non-Technical Terms)



Residential Emissions by Source

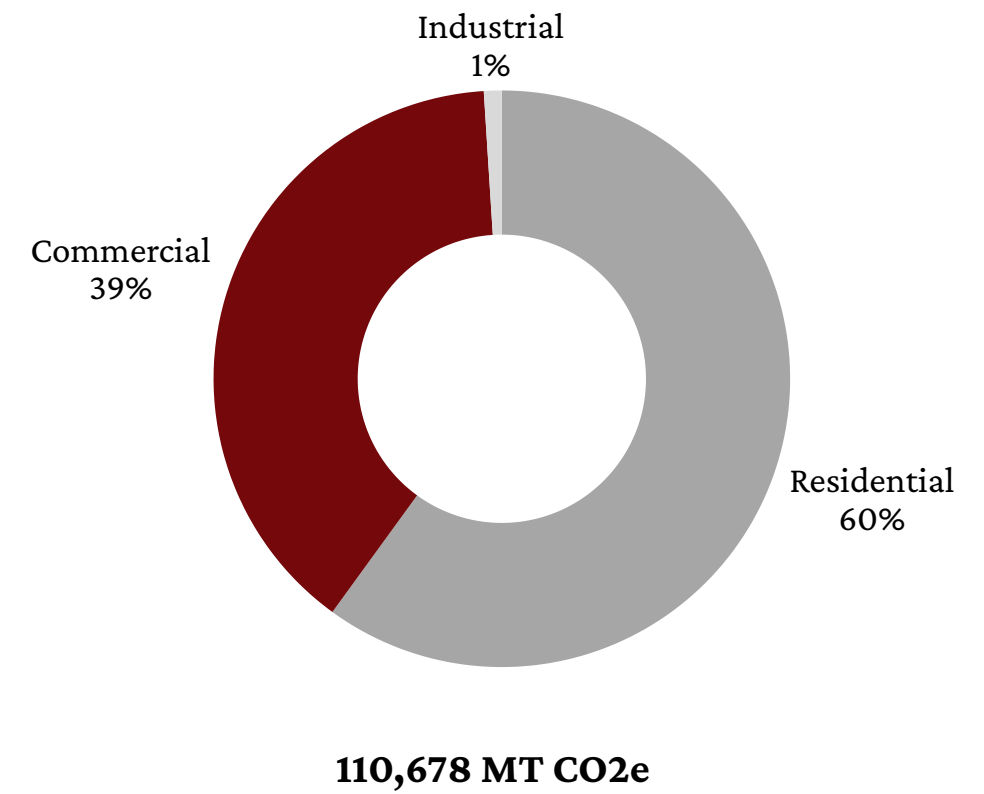
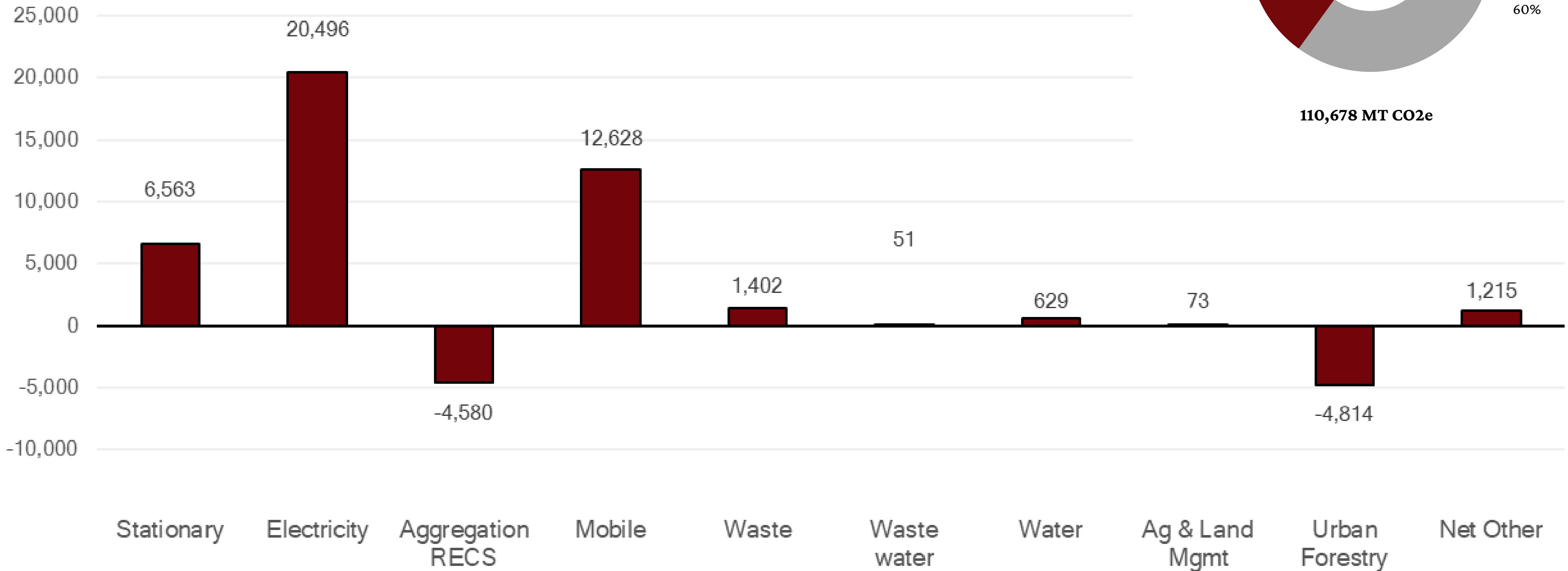


Residential Emissions by Source

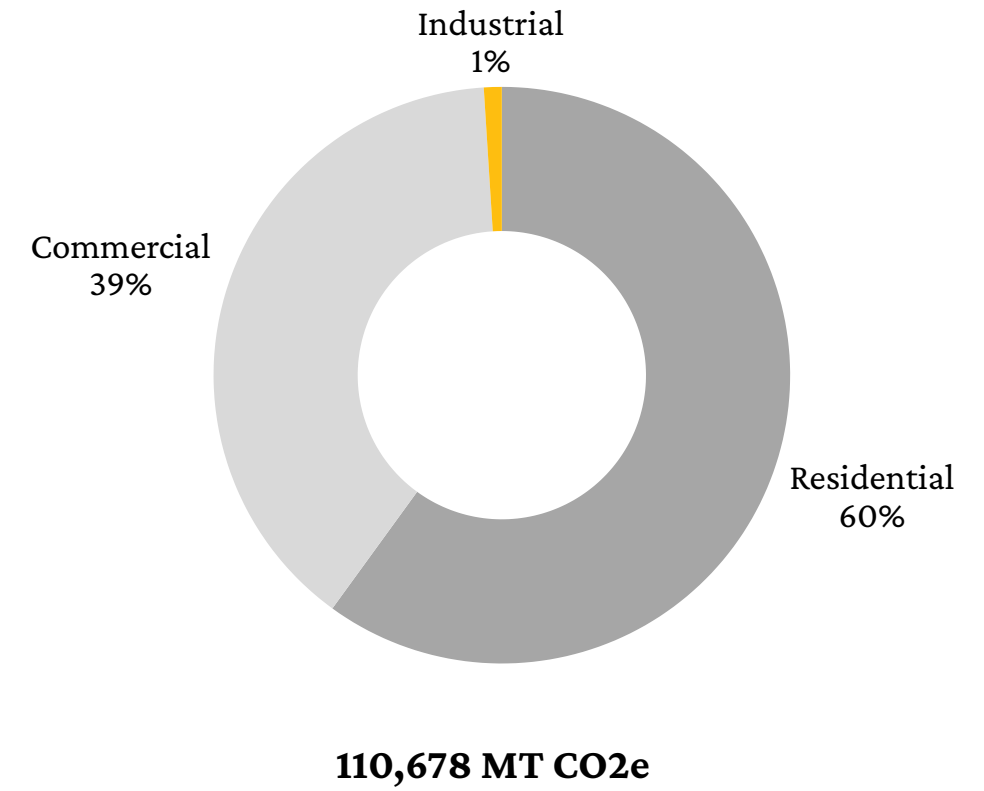
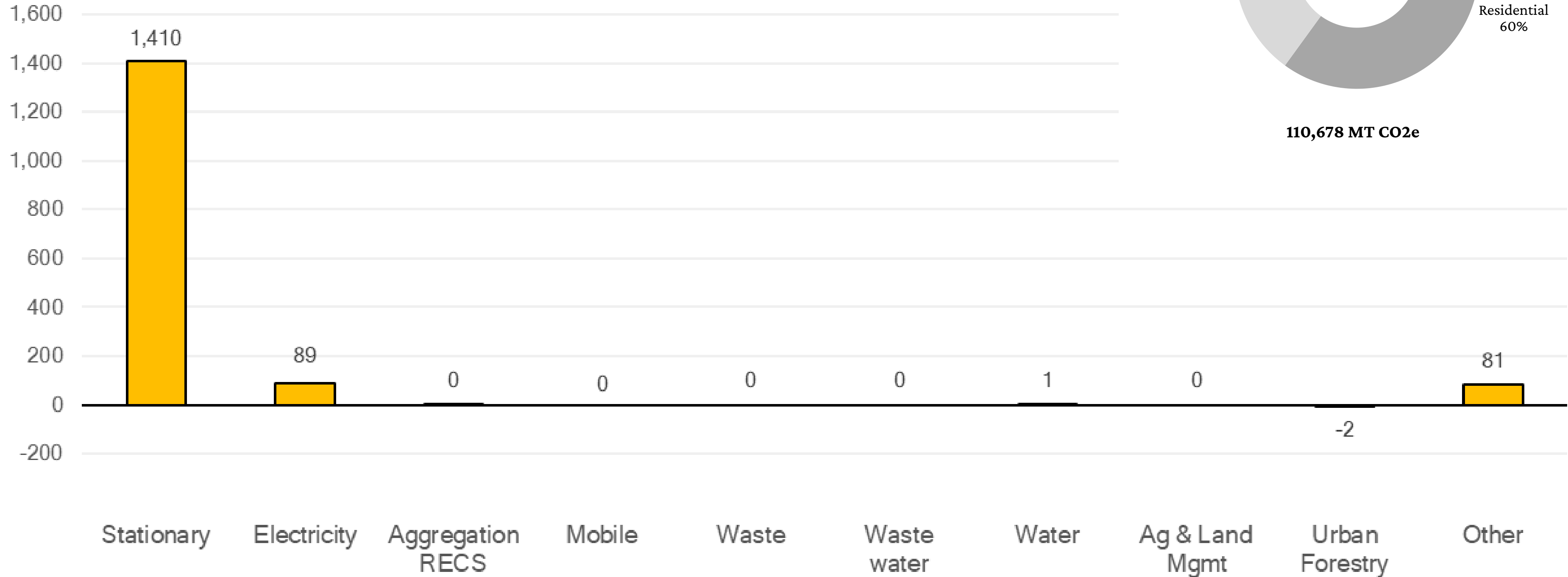


In 2023, Electric Aggregation Program reduced our residential electricity emissions by 68.5% and saved the average residential participant \$318!

Commercial Emissions by Source



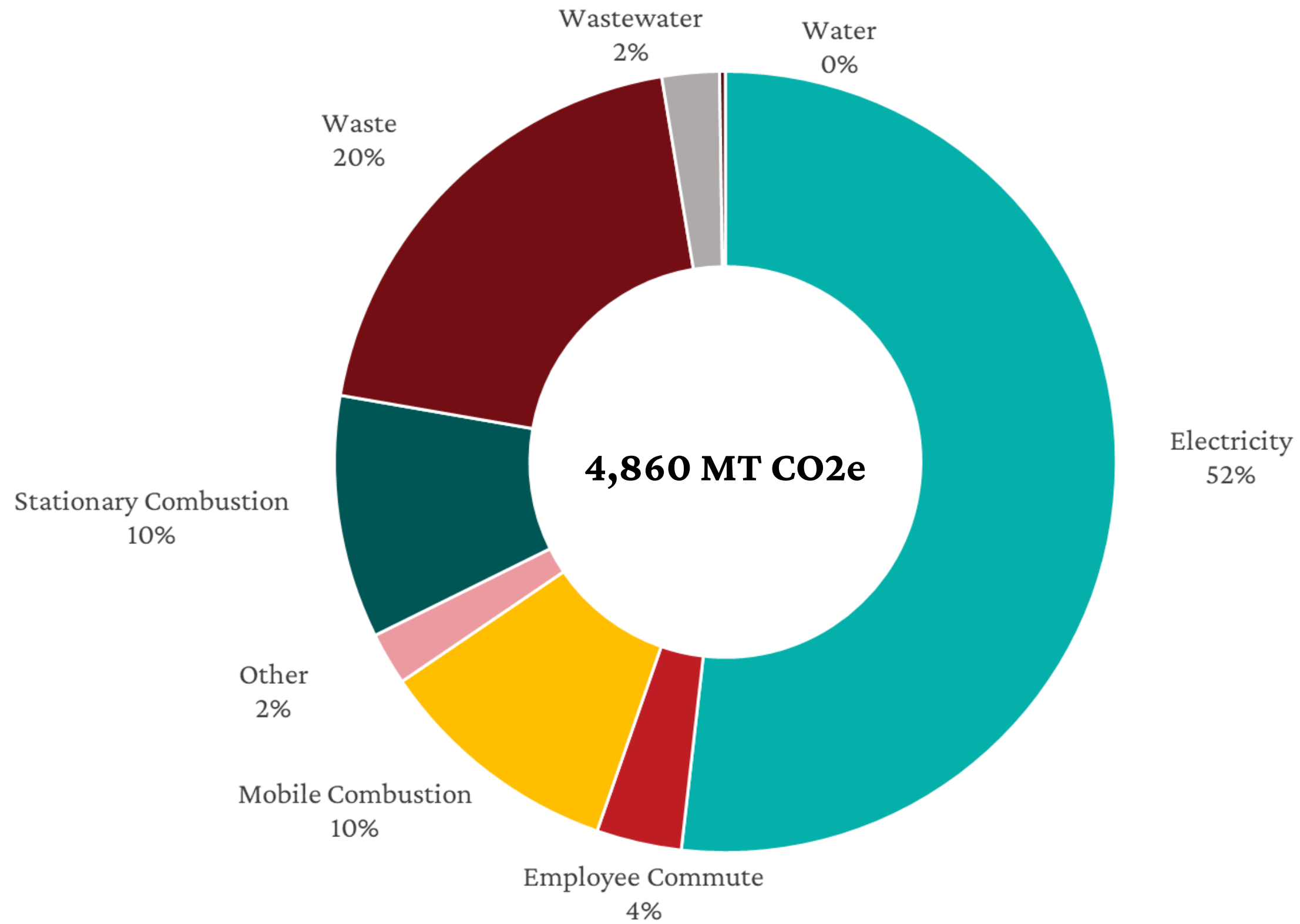
Industrial Emissions by Source



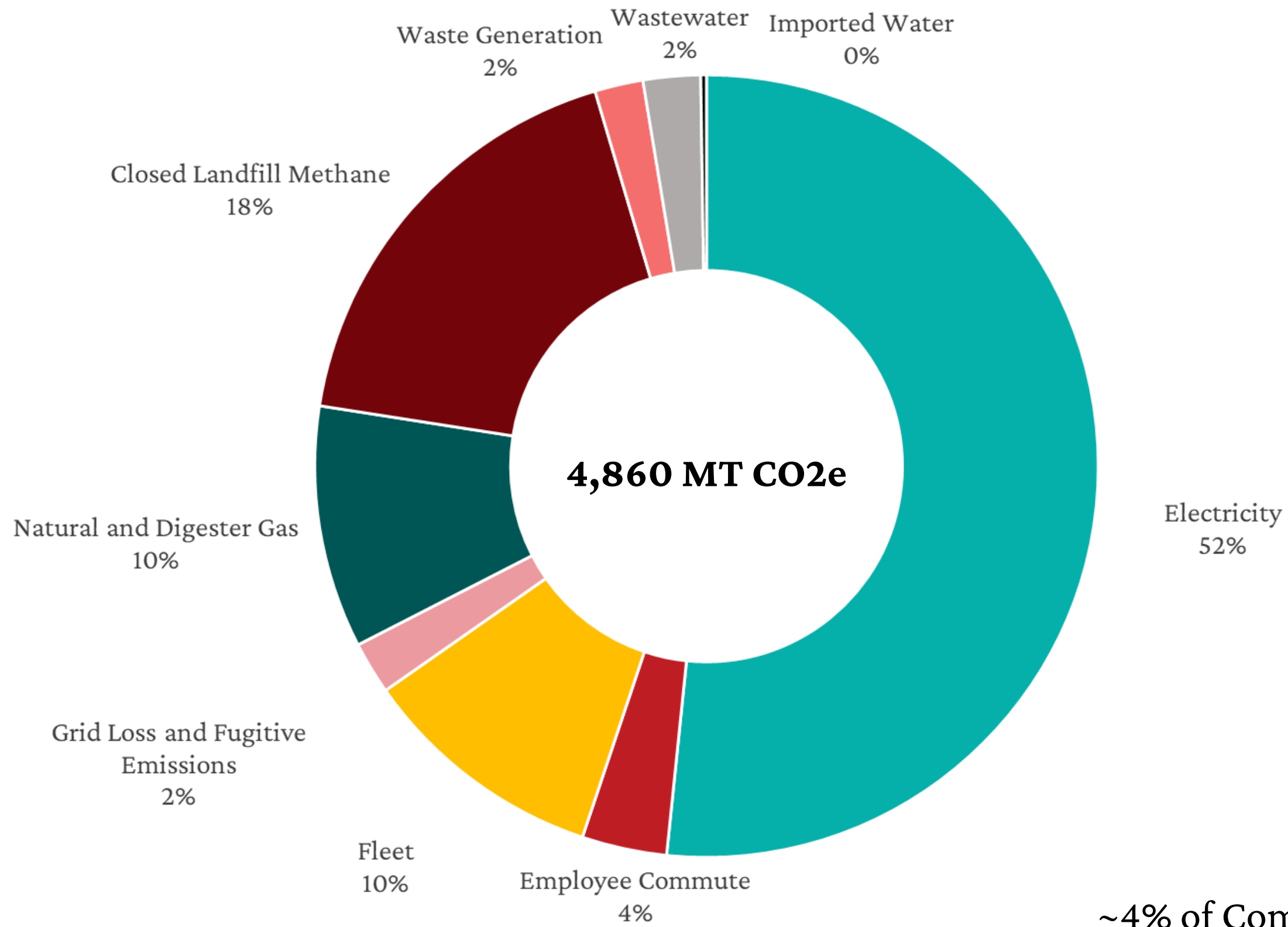
OXFORD
MUNICIPAL BUILDING

2023 GOVERNMENT OPERATIONS EMISSIONS

Gross Government Operations by Source

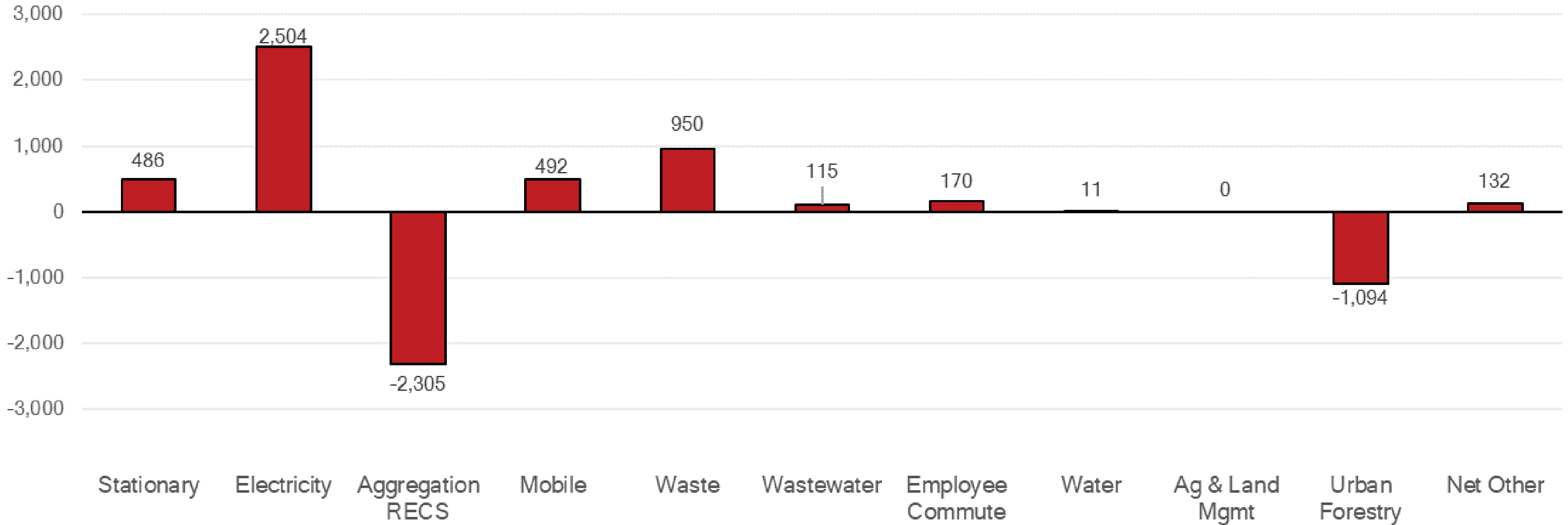


Gross Government Operations by Source (Non-Technical Terms)

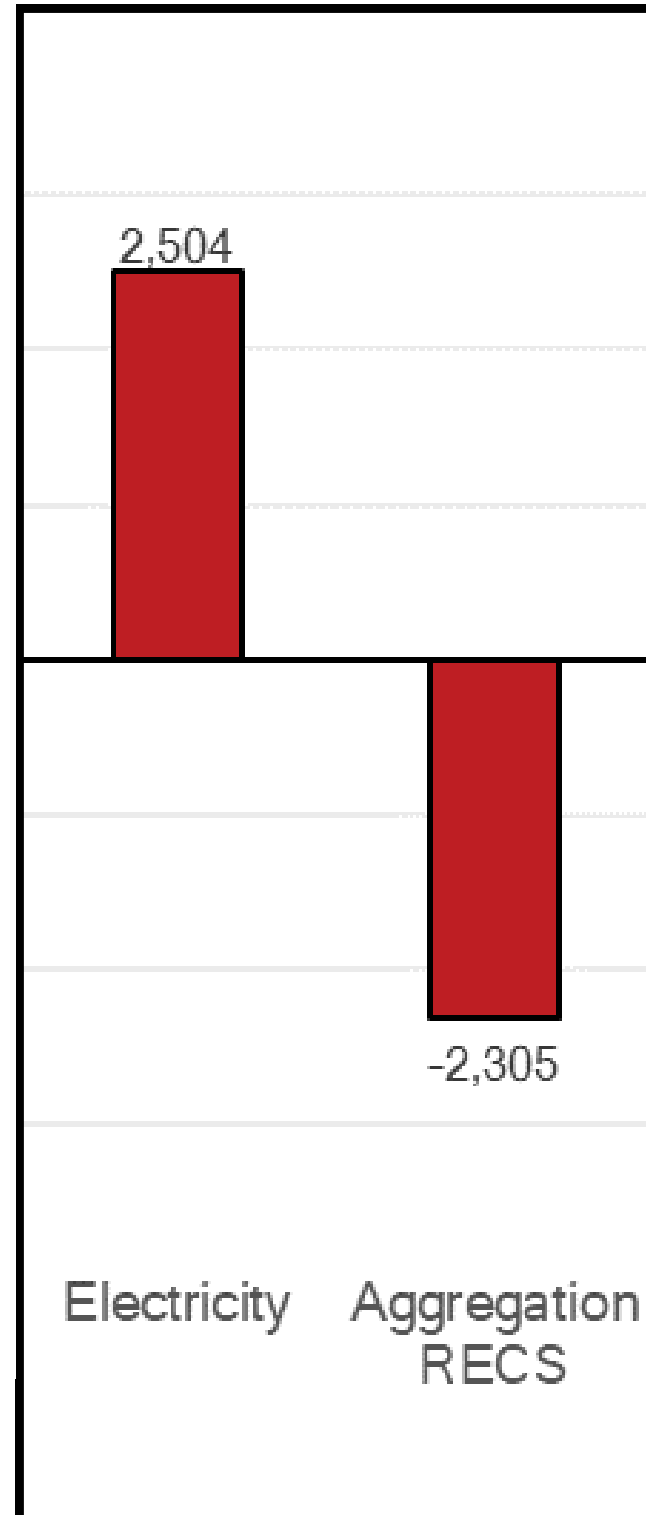


~4% of Community Scale Emissions

Net Government Operations Emissions

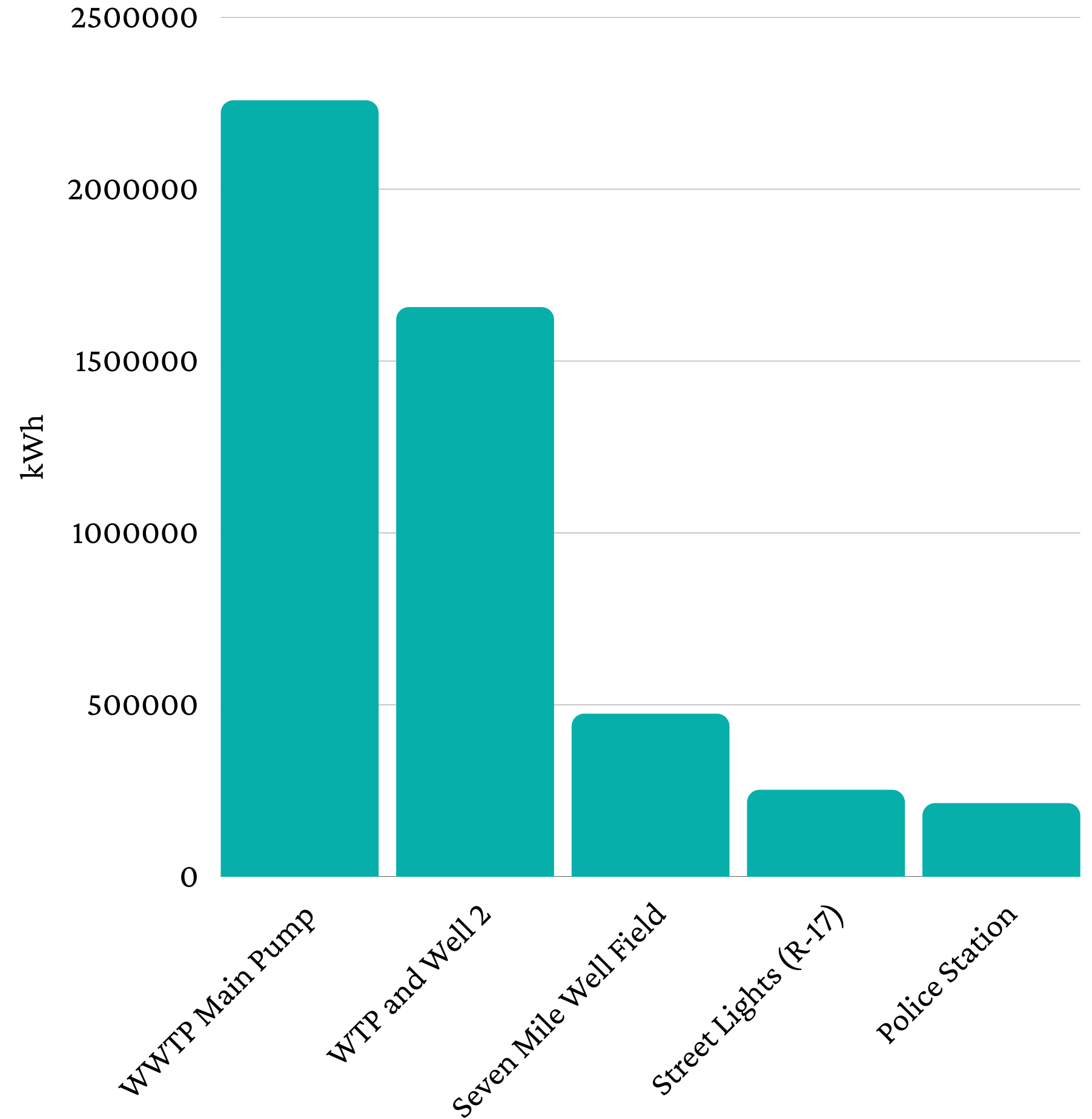
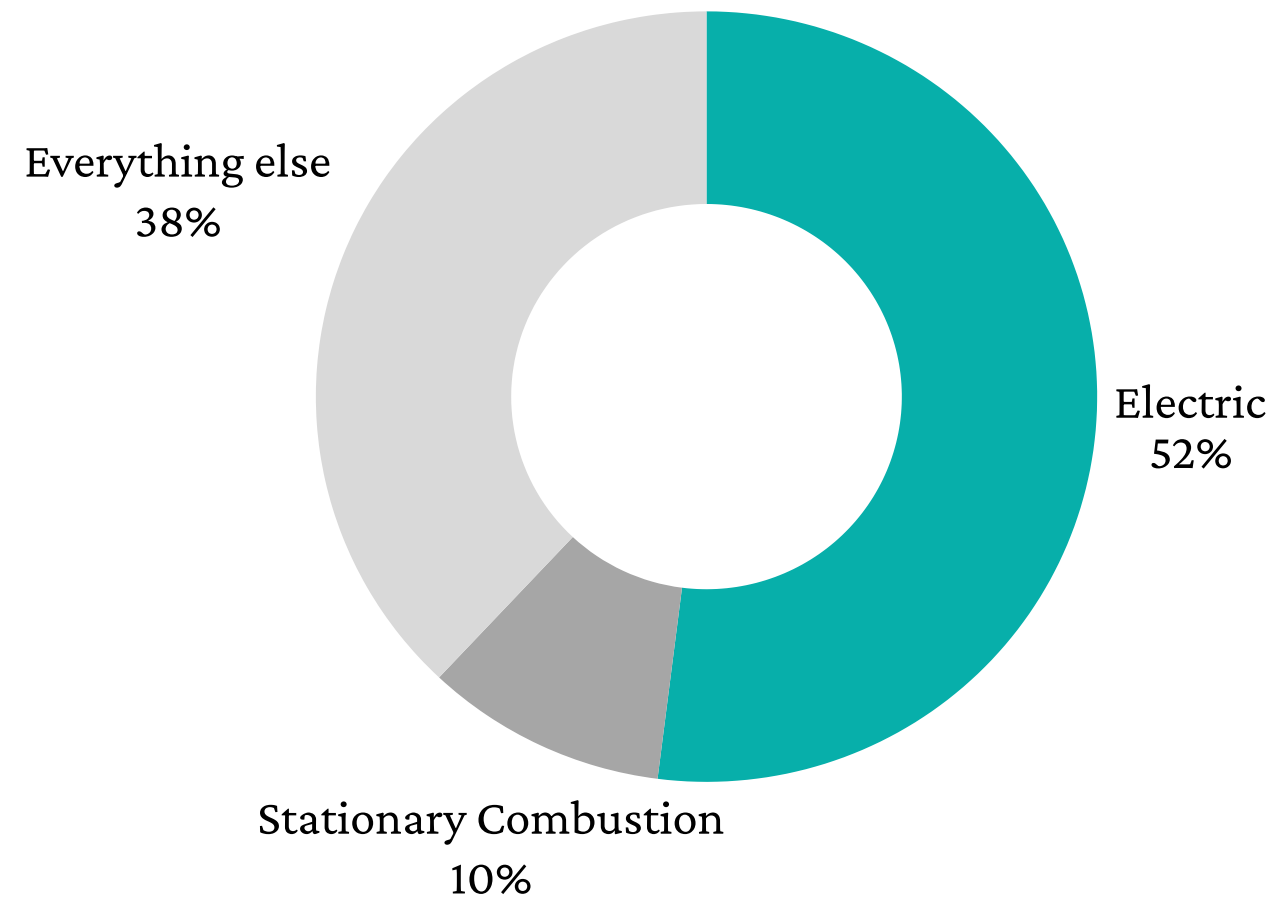


Net Government Operations Emissions

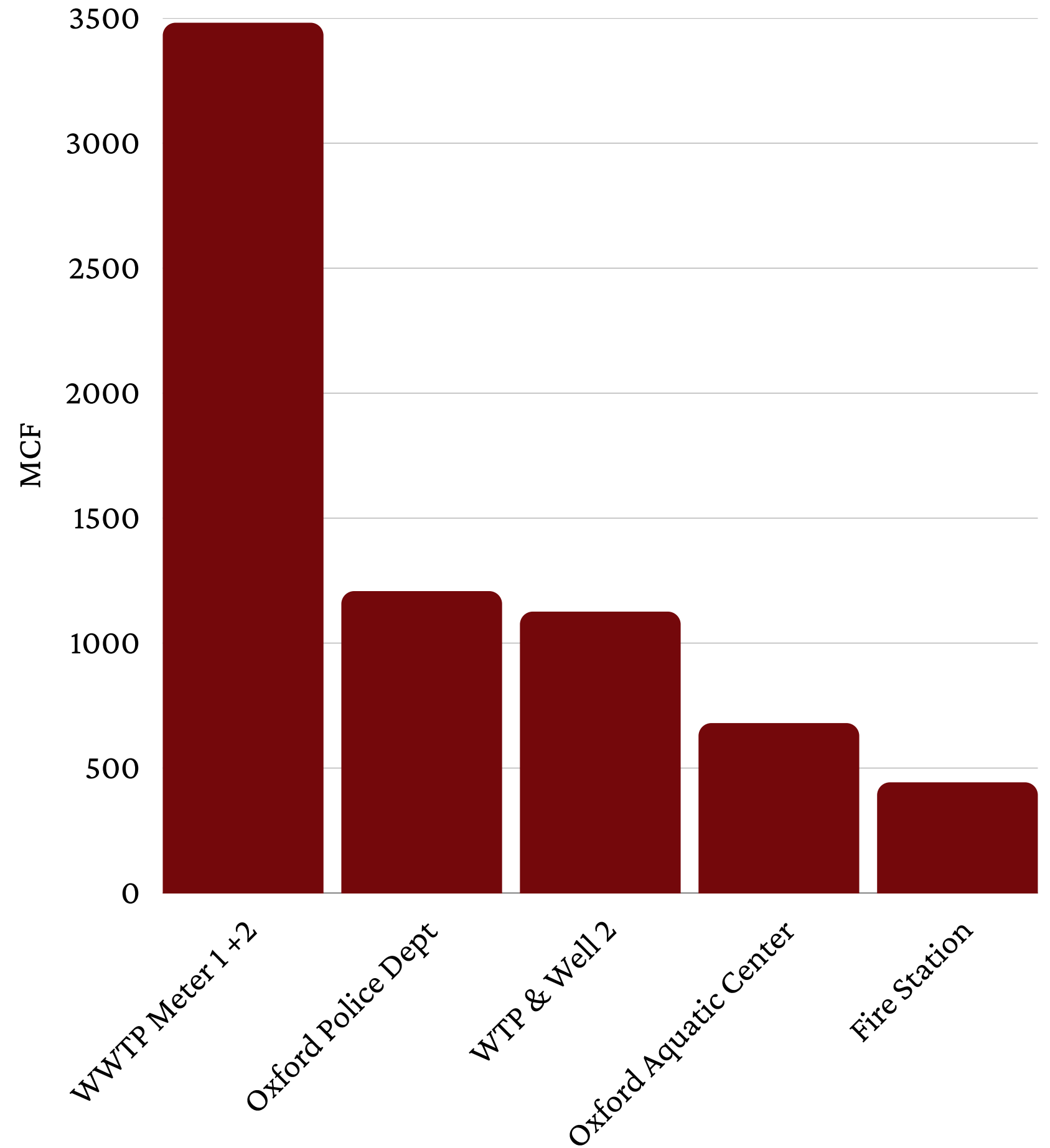
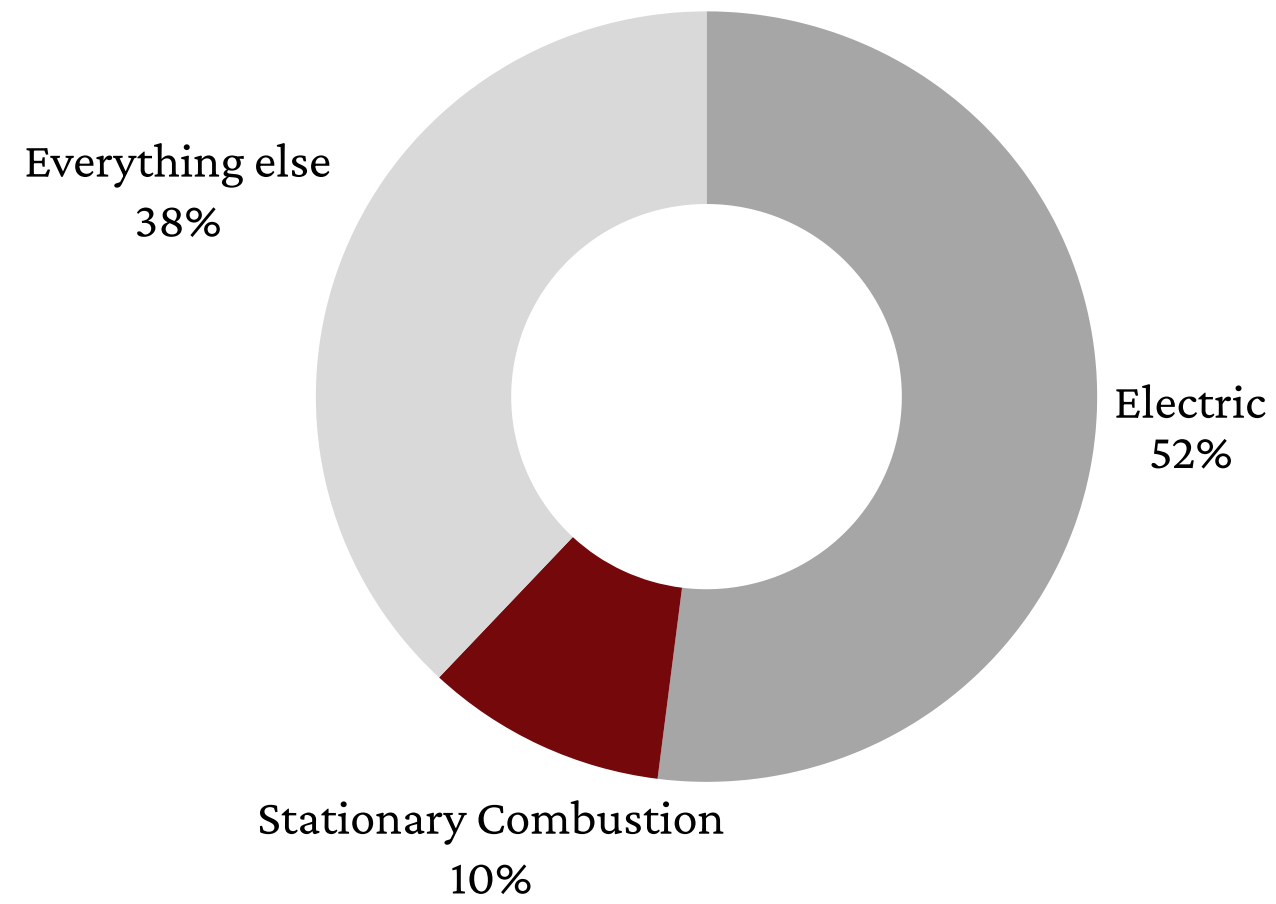


Oxford's Purchase Power Agreement reduces our net electricity emissions by 92%

Government Electricity Usage; Top 5



Government Natrual Gas Usage; Top 5

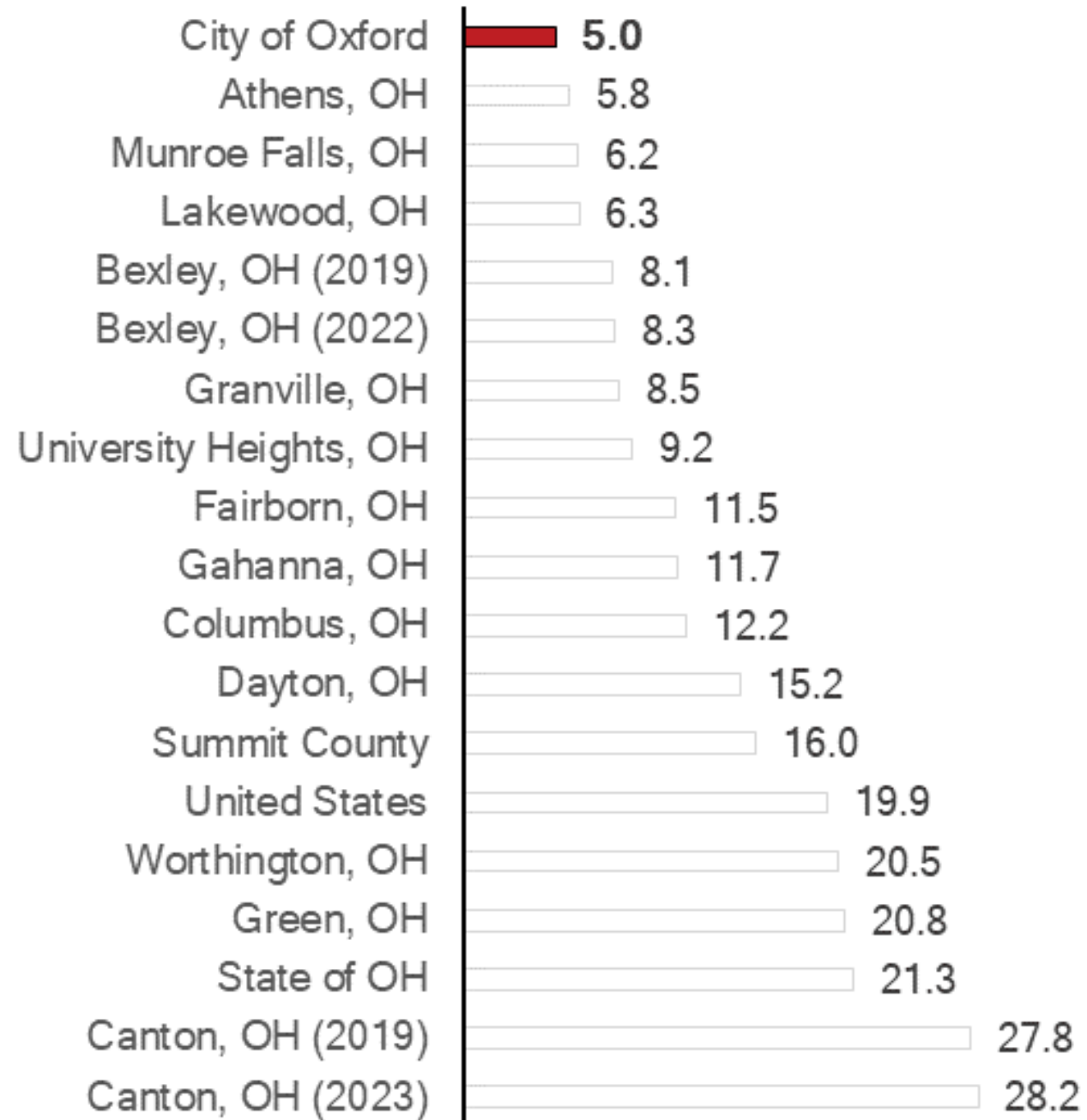


OTHER DATA FROM PCFO

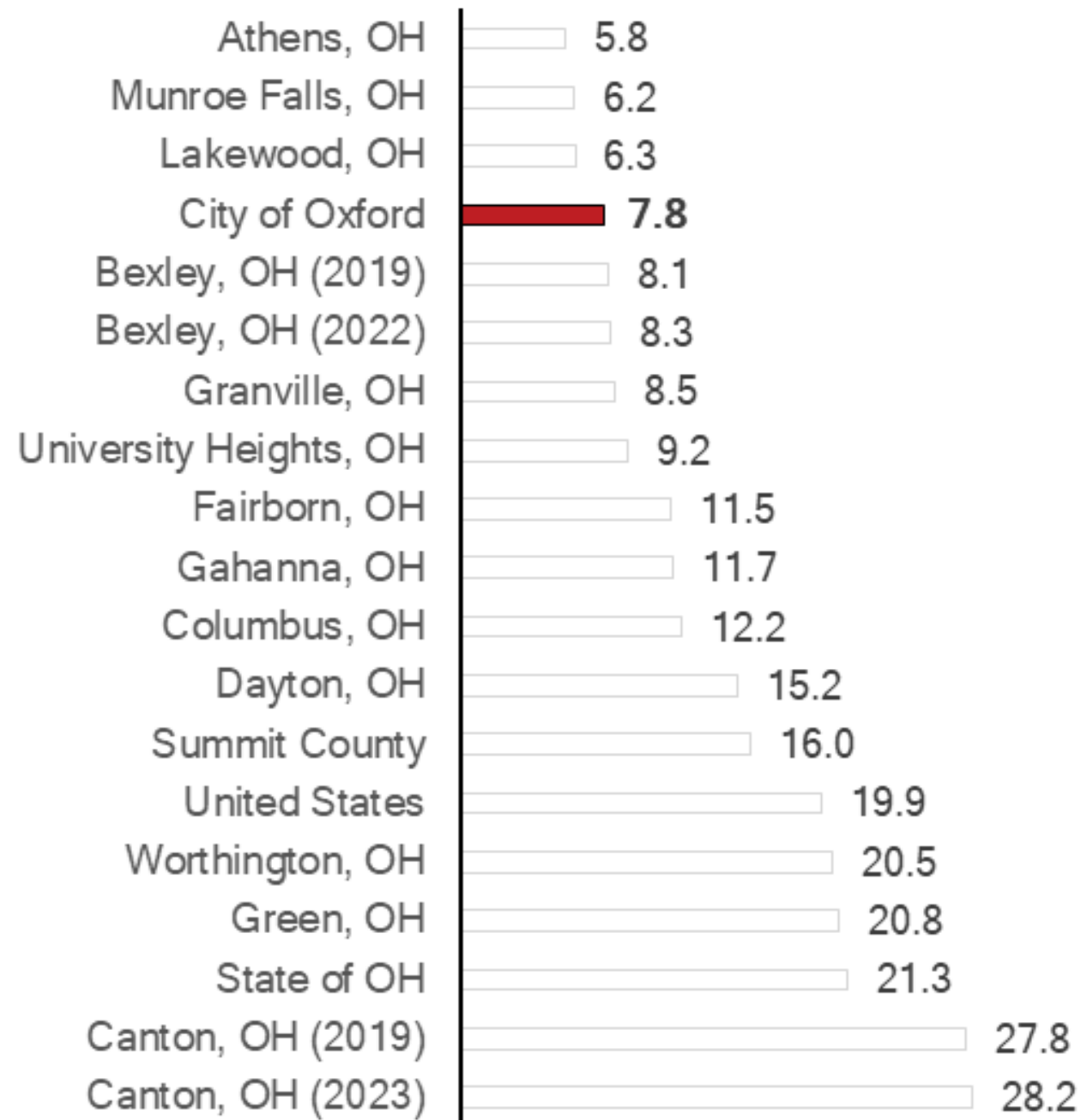


**Power A Clean
Future Ohio**
LOCAL COMMUNITIES LEADING THE WAY

Gross Emissions (MT CO2e) Per Capita; Community Wide

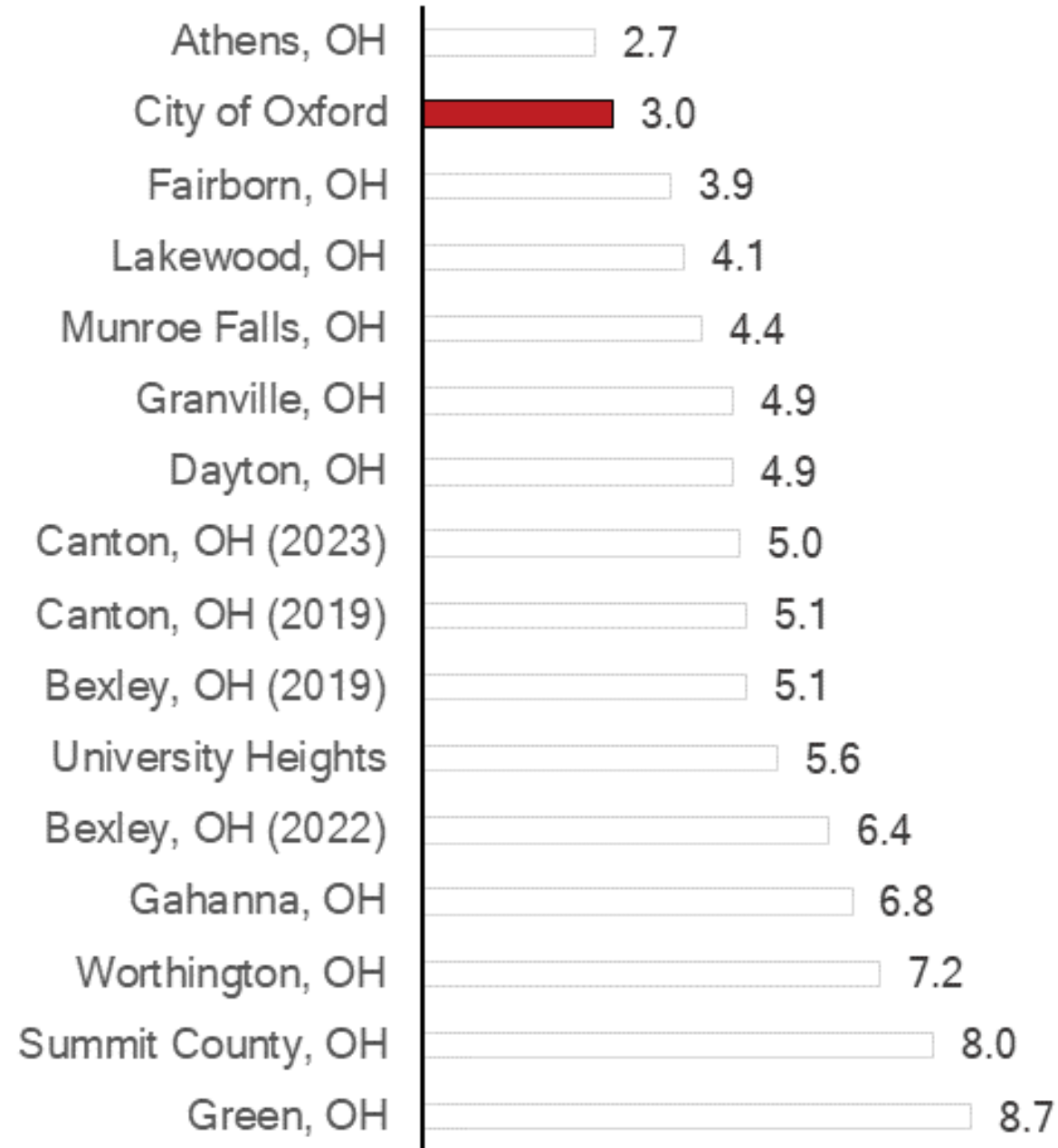


Without MU

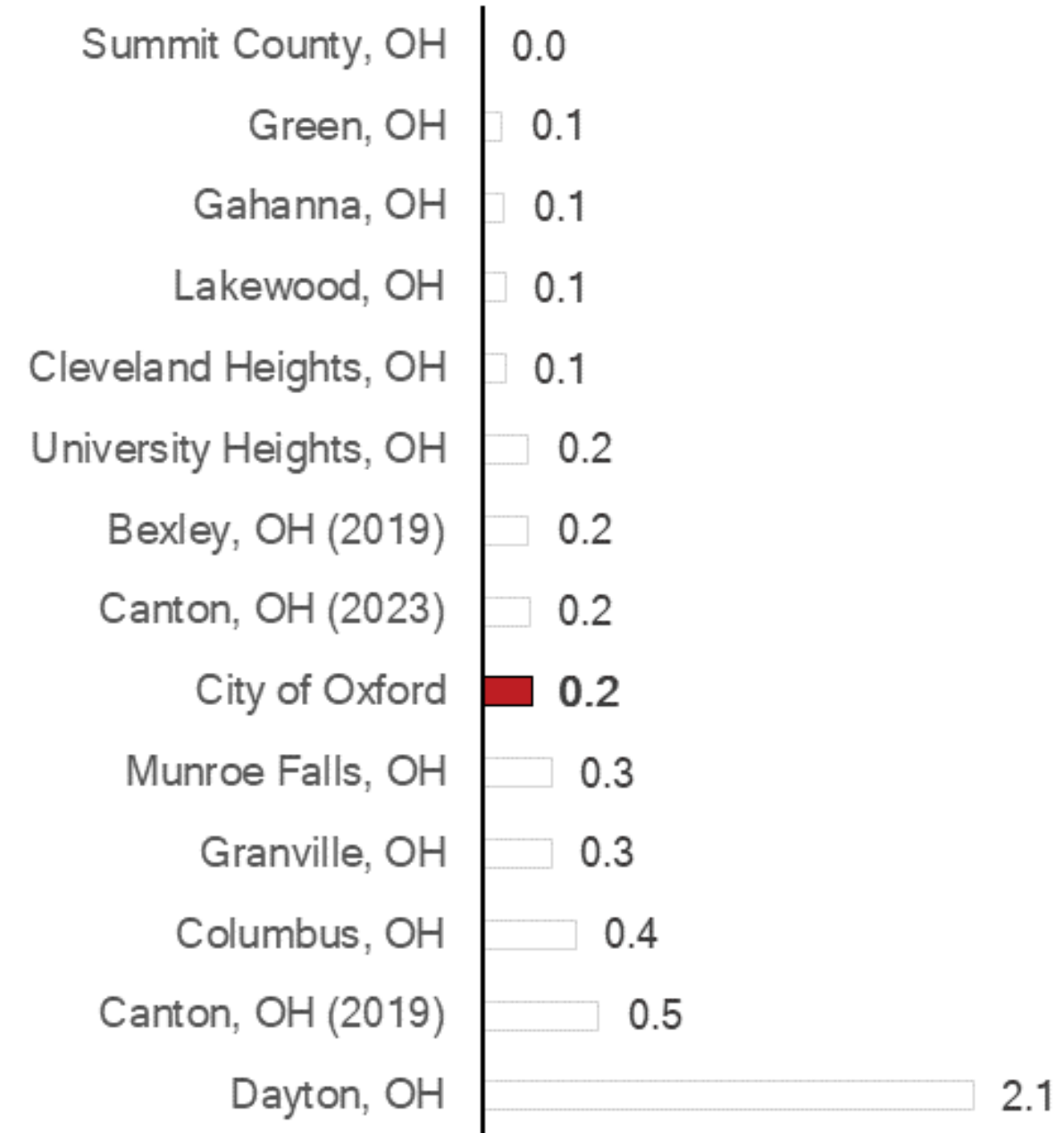


With MU

Gross Emissions Per Capita

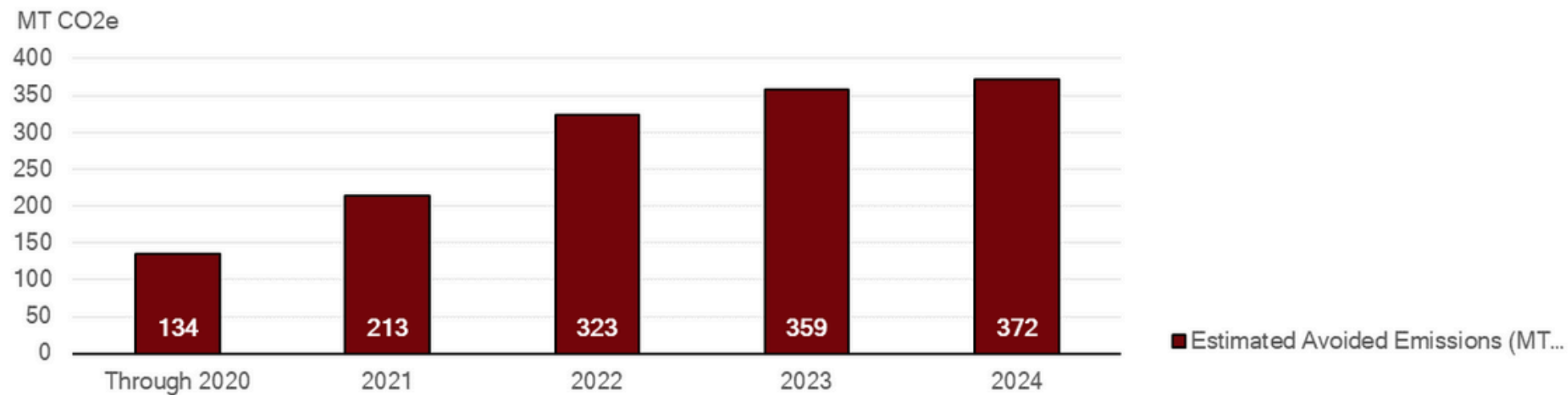
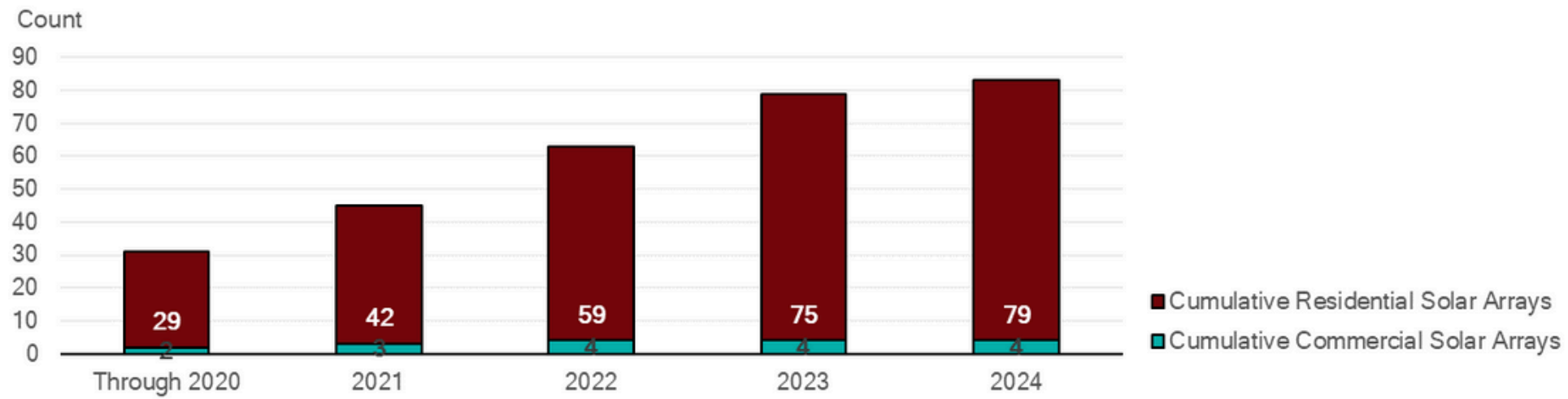
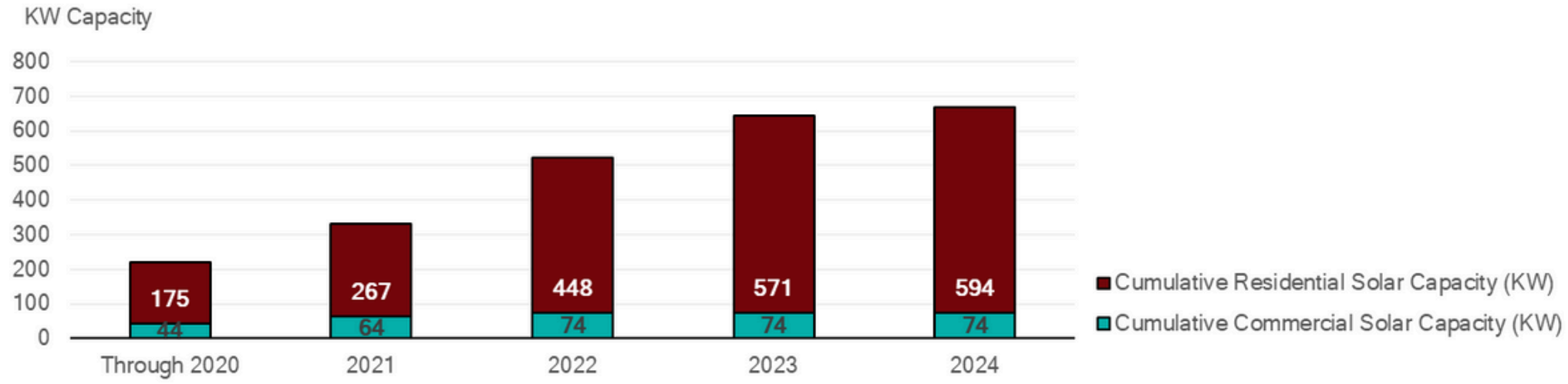


Residential Emissions Only

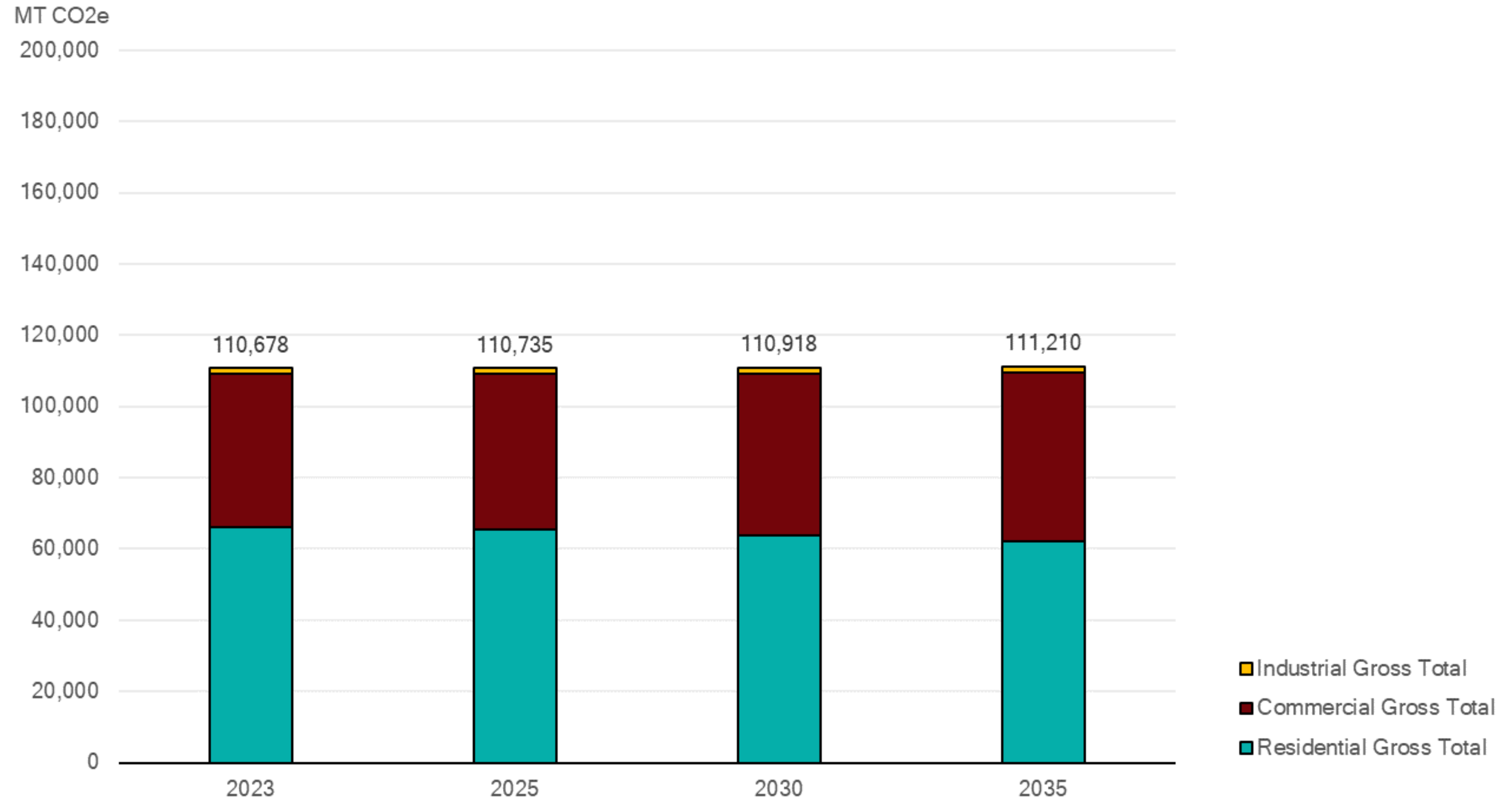



Government Operations

Solar Assessment



Baseline Emissions Forecast (business as usual, w/o MU)





2019 VS 2023
GROSS EMISSIONS

RED BRICK
ROAD TO **ZERO**

Disclaimers

- Oxford's emissions will fluctuate year to year due to weather and advancements in calculating emissions
- We may see our emissions go up or down based on factors outside of our control (i.e. weather and COVID)
- Some data sources have changed between 2019 and 2023, resulting in more accurate data for Oxford
- We utilized a different program for 2023 than 2021 and 2019

Community Wide Gross Emissions

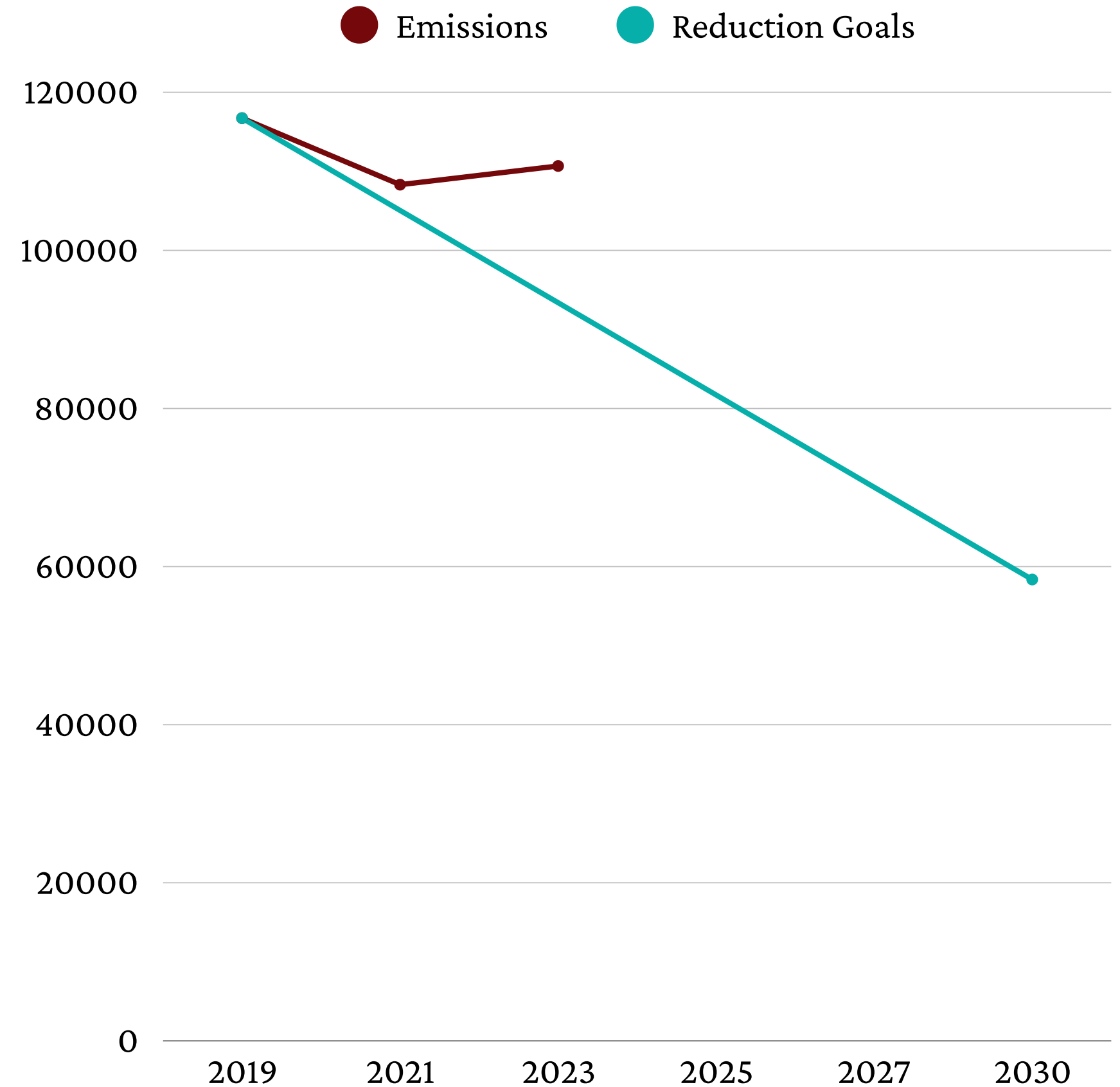
Our top emission sources remain energy and transportation, but at different proportions. This change is partially due to improved data for electricity and transportation.

Energy

55% → 51%

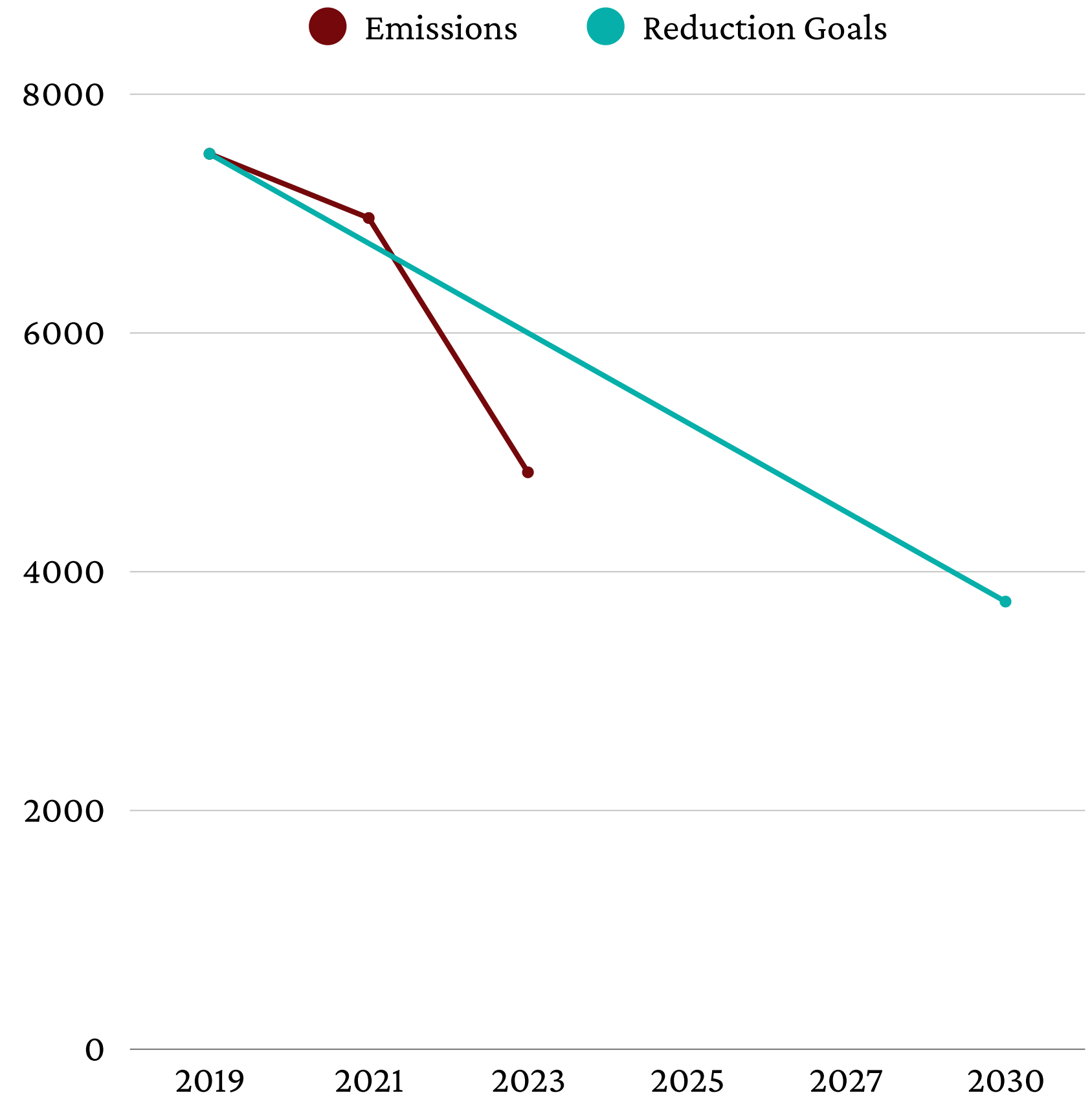
Transportation

26% → 44%



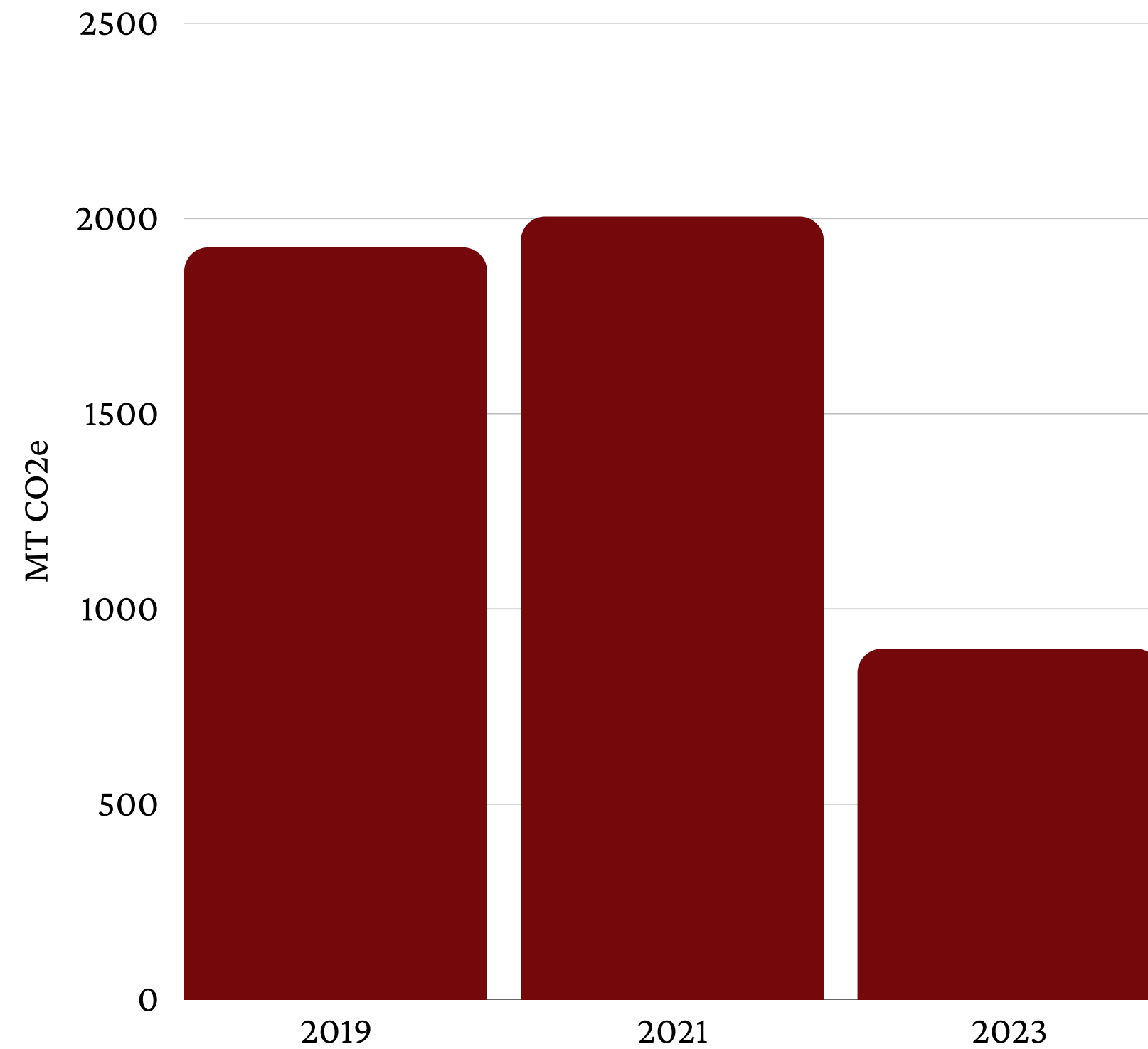
Government Operations Gross Emissions

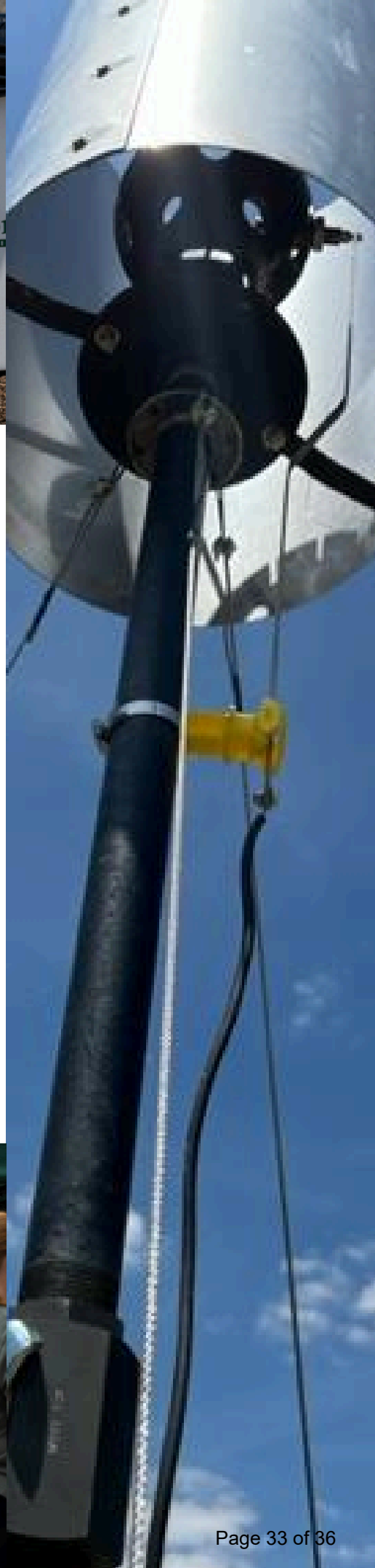
Emissions reduction is largely due to the methane flare at the closed landfill and LED street light conversions.



Closed Landfill Emissions

Methane Flare installed May 2023





RED BRICK ROAD TO ZERO



MINUTES: Climate Action Steering Committee

Date: November 21, 2024

Location: City of Oxford Municipal Building, 1st Floor Conference Room

Time of Meeting: 8:30 am

Members present: Jason Bracken, Peggy Branstrator, David Gorchov, Olivia Herron, David Prytherch, Sandra Woy-Hazleton, Anne Webster. City Manager Designee: Reena Murphy

Approval of Agenda

David G.. moved approval, Peggy seconded, all voted in favor.

Approval of Minutes

David G.. moved approval, Peggy seconded, all voted in favor.

New Business

The committee welcomed Sam Perry, City of Oxford Community Development Director.

Sam provided an overview of some of what the Community Development Department does, including mapping efforts of environmental resources like tree canopy, future land uses, zoning, etc. He discussed how the newly adopted Climate Action Plan will inform the revision/update of Oxford's land-use regulations towards a Unified Development Ordinance. The consultants hired by the City have relevant experience with climate-related goals like green infrastructure, EV charging, non-vehicular mobility, transportation demand mgmt., renewable energy, etc. Sam discussed the need to balance goals with the needs of the development community, since some of these initiatives may be new, though climate goals often align with fiscal goals.

- Sam highlighted the importance of future flood protection as part of the City's resilience goals, given the growing risk of intense rainfall events. Peggy reiterated the importance of this, even with what are currently routine events. Jessica noted there is no funding stream to address stormwater issues, but this could be elevated through advocacy by the O.C.A.S.C.
- Sam provided some information on challenges and opportunities in promoting electrification through our codes. Though the City under home rule authority can adopt regulations, our code enforcement is done by an outside contractor/vendor and such firms are reluctant to work with building code requirements unique to

Oxford. Having on-staff Building Code services would enable the City to enforce such ordinances, but such staffing changes may be a few years out. However, the updating of our development code can enable us to facilitate future expansion of electrification, such as mechanical equipment and small-scale power generation and EV-readiness.

David P. asked a question about how we can assure that Climate Action Plan items are tasked to relevant departments and boards/commissions. Reena and Jessica said that they've scanned the action items and begun to at least assign to departments. David P. also asked how we can evaluate CAP action items and our progress in relation to GHG and resilience goals to ensure we're prioritizing the right things. Reena suggested that, while modeling the impact of each item would be difficult, 'intuitively' we should be able to prioritize. Jessica emphasized the importance of informing City strategic goals. The Committee agreed this is a good role in identifying and prioritizing priorities.

Reena provided an update on discussions regarding the landfill and solar energy development. City Council elected to not renew the option to lease the landfill to the current developer, which doesn't prevent that developer from proceeding but opens alternative ways to approach this project. Reena is gathering information towards a potential new RFP. Jason B. and David P. emphasized the importance of prioritizing such renewable energy development among other goals. Jessica asserted that staff will have more information regarding a possible new RFP in December.

Olivia provided an update on campus projects. Geothermal well drilling is proceeding, but the university is encountering challenges in solar energy development, related to 'buy American' provisions. As long as redesign and grant-funded domestic procurement goals can be met, the project should proceed to construction in summer 2025. Miami has restructured its sustainability committee into working groups focused on Miami 2040 thematic sectors.

Reena provided an update on progress on sustainability-related goals adopted by Council. Among these items, an EV car sharing program proved infeasible. The City is moving forward with renewable energy/efficiency evaluation in support of a renewable energy action plan. The City is working to update its GHG inventory. Joining Sustainable Ohio Public Energy Council (SOPEC) is on hold currently as we wait until the City's closer to the end of our electricity aggregation program. Green business certification is in process. The City is assessing its approach towards promoting zero waste at public events based on experience from City-led events. The City has developed a small solar system at the Oxford Cemetery Maintenance Building.

David G. and the committee complimented Reena on all of the significant progress relative to goals. David P. emphasized the importance of making progress on short-term action items while also keeping our eye on the major, long-term GHG-reduction and resilience goals.

Next Meeting:

To be determined.

Adjournment

David moved to adjourn, Peggy seconded, all voted in favor. The meeting adjourned at 10:12 AM.