



Update on Climate Action & Response Plan

January 22, 2020



Recommendation

That the Council receive the report and provide direction.



Recap of Key Outcomes

- Select top actions for carbon reduction and climate adaptation
- Identify implementation resources
- Integrate with 5-year budget plan
- Set new carbon goals and sustainability targets
- Enhance community partnerships
- Develop tools for monitoring and evaluation



Greenhouse Gas Emissions

Community

- Sector
- Source
- Trends

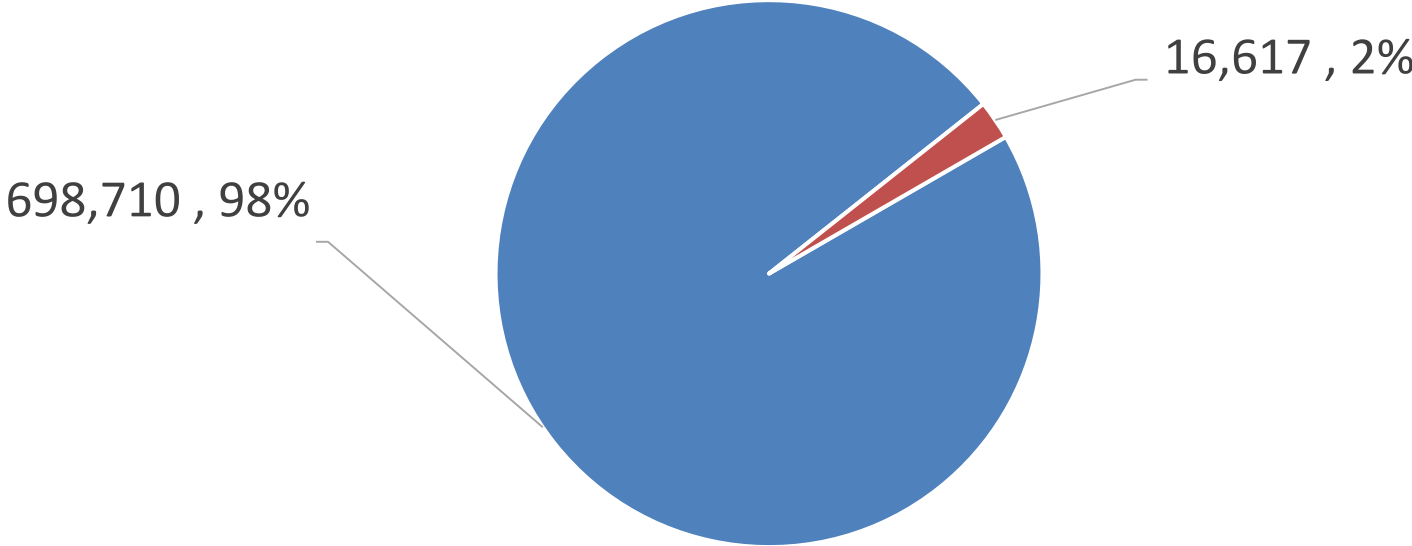
Municipal

- Sector
- Source
- Trends

Details

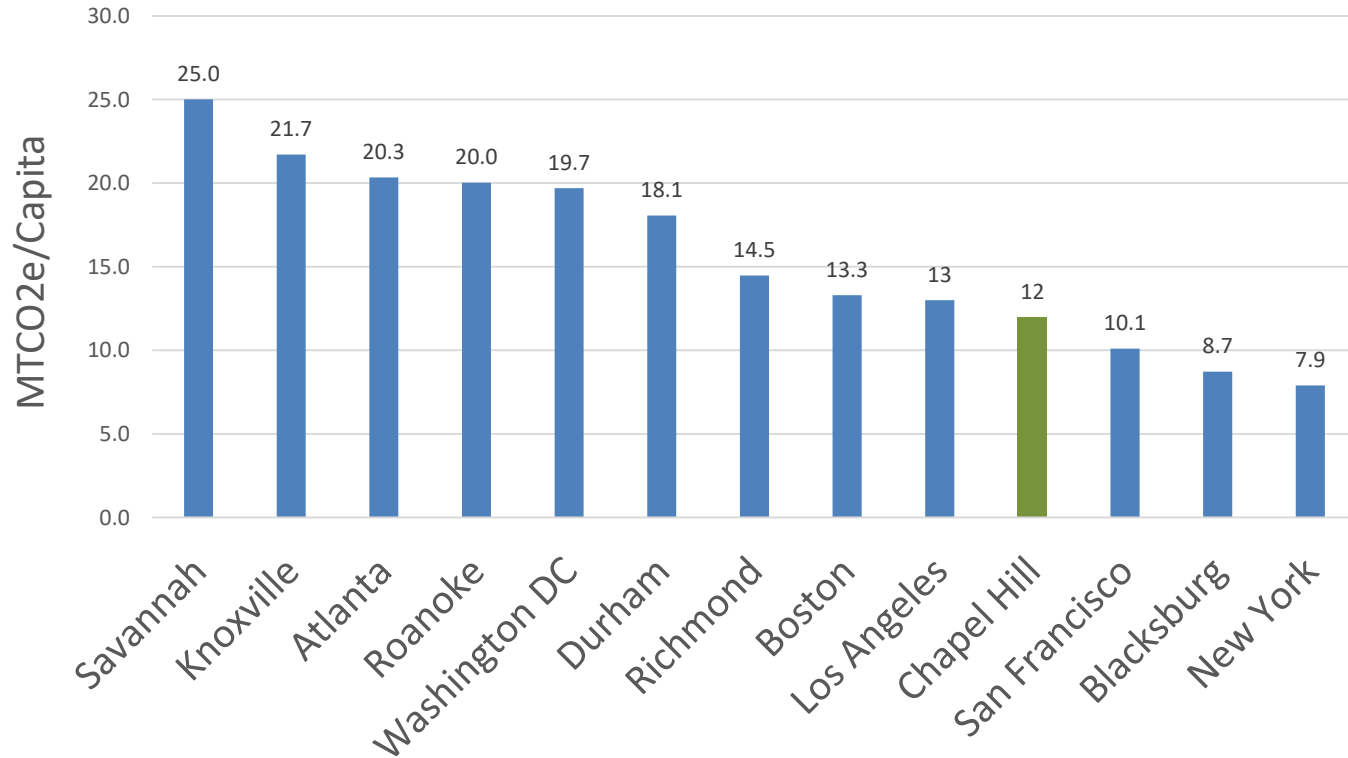
- Year 2017
- Metric Tons of CO² equivalent

Chapel Hill Municipal Share of Community Emissions

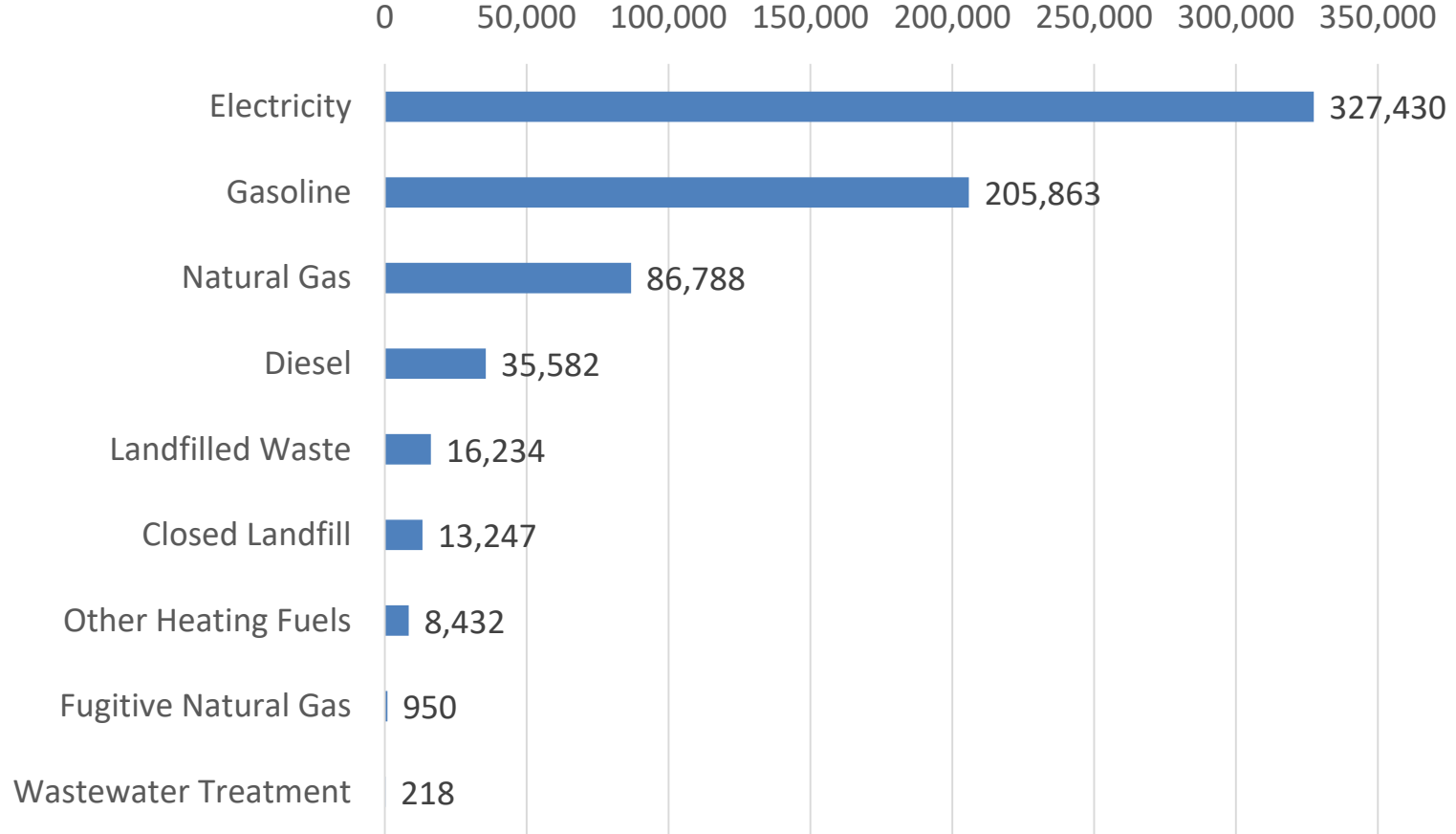


■ Community ■ Municipal

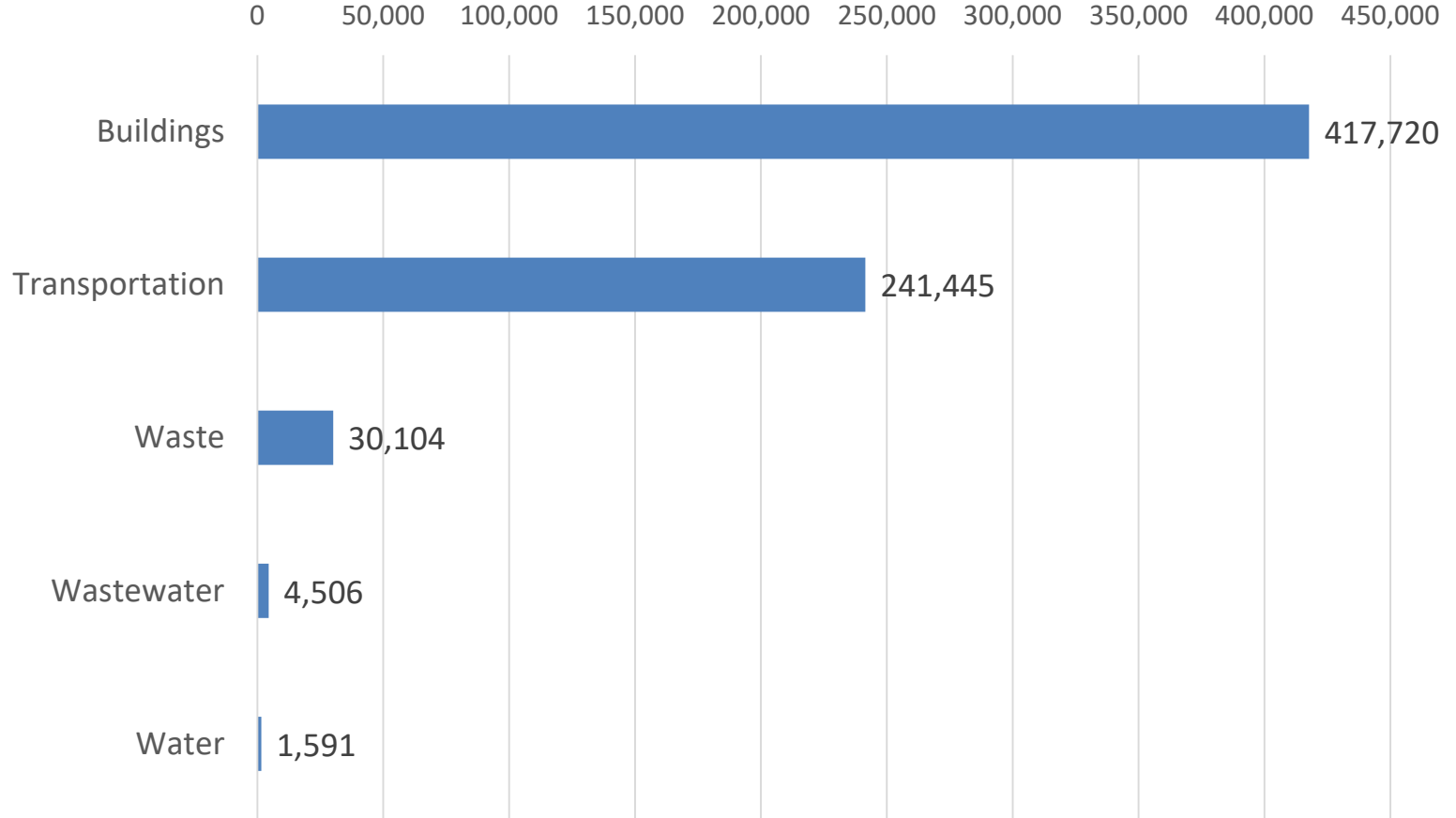
Community Carbon Intensity Compared



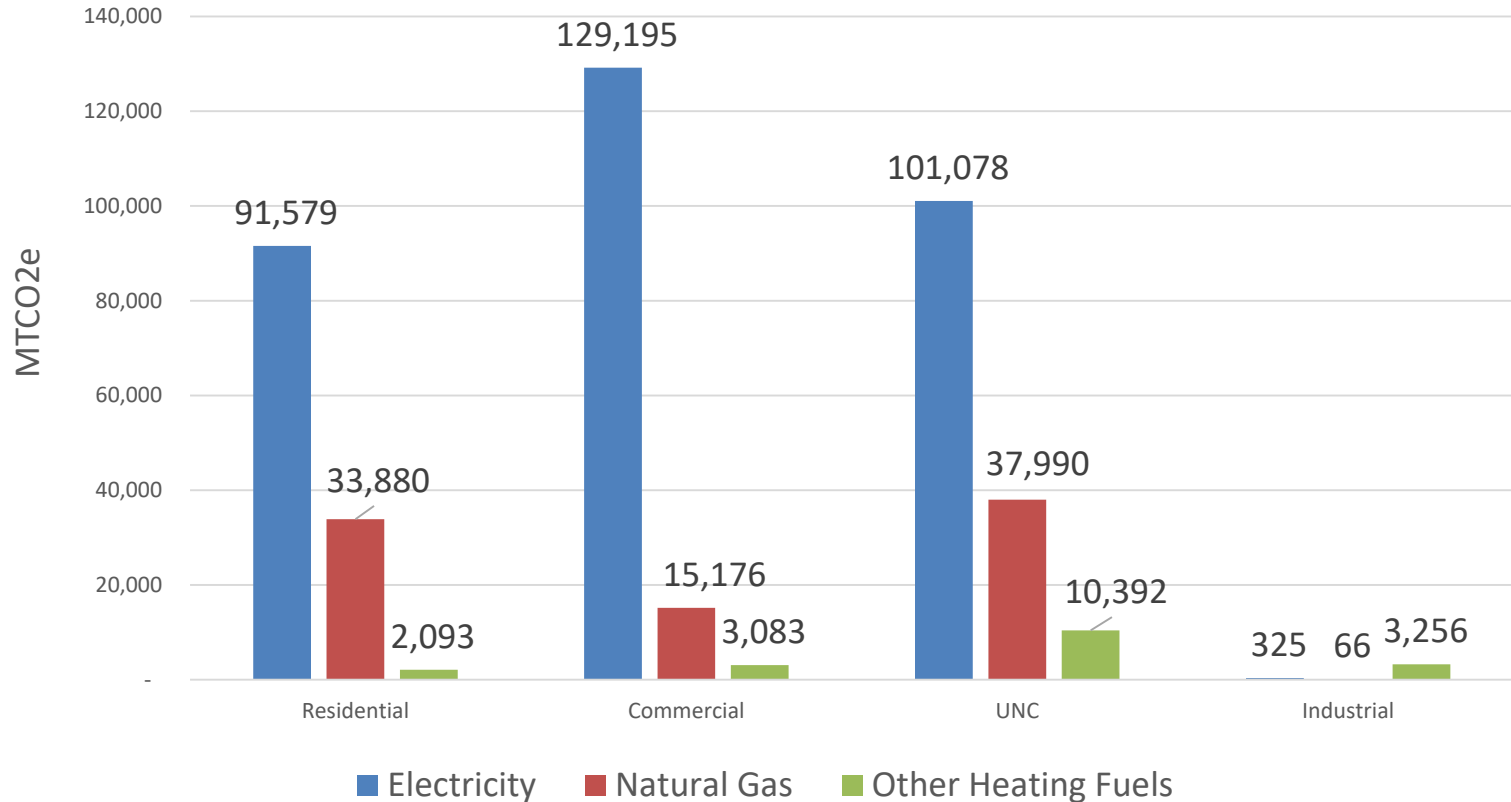
Community Emissions by Source



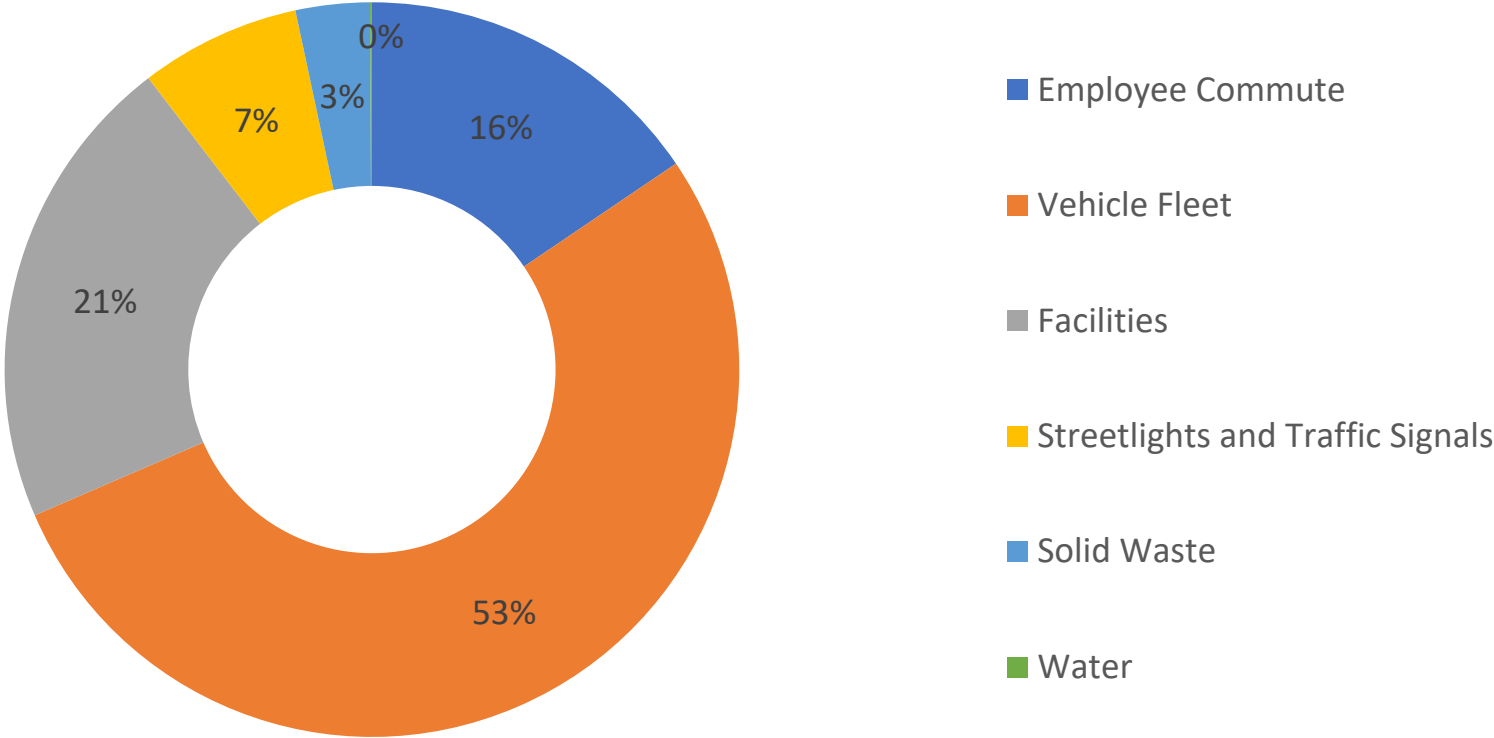
Community Emissions by Sector



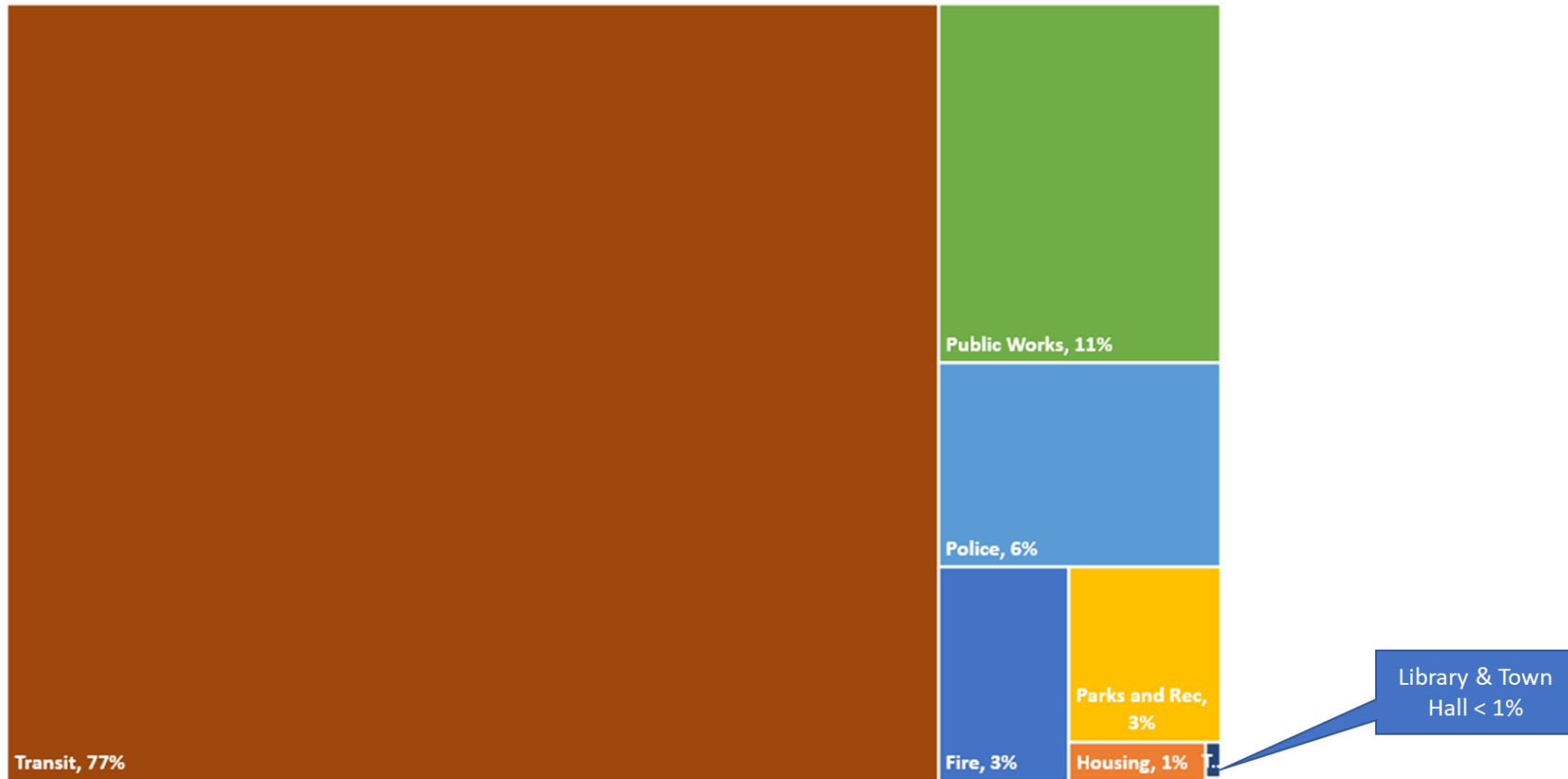
Community Emissions by Sector and Source



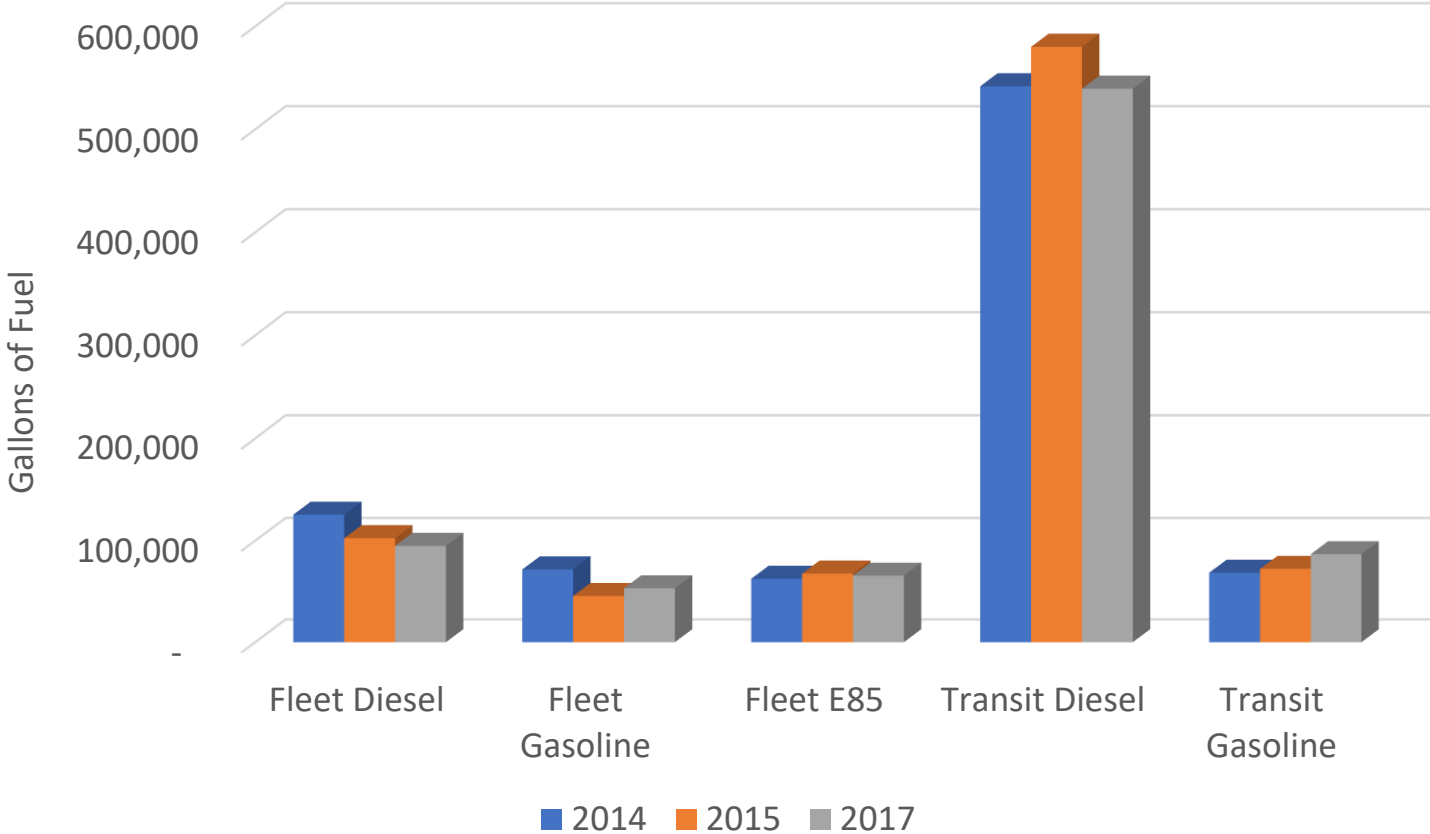
Municipal Emissions by Sector



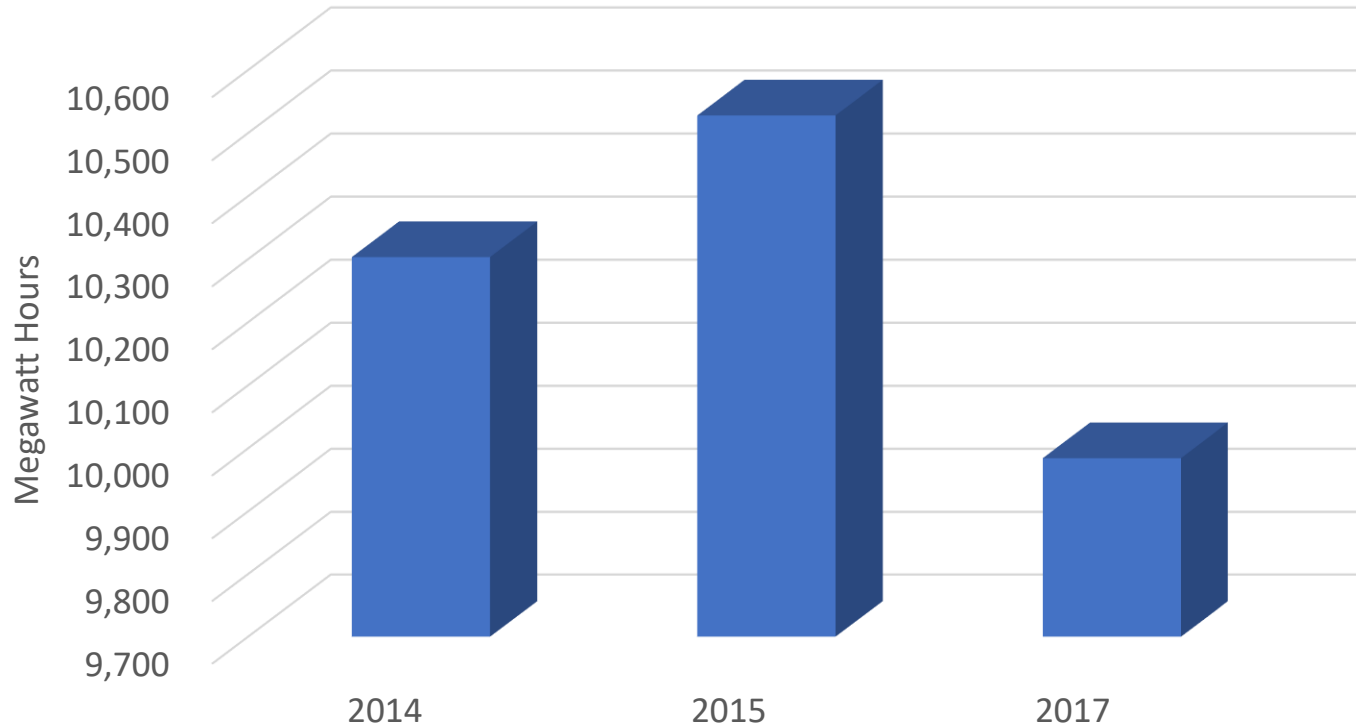
Municipal Mobile Emissions by Department



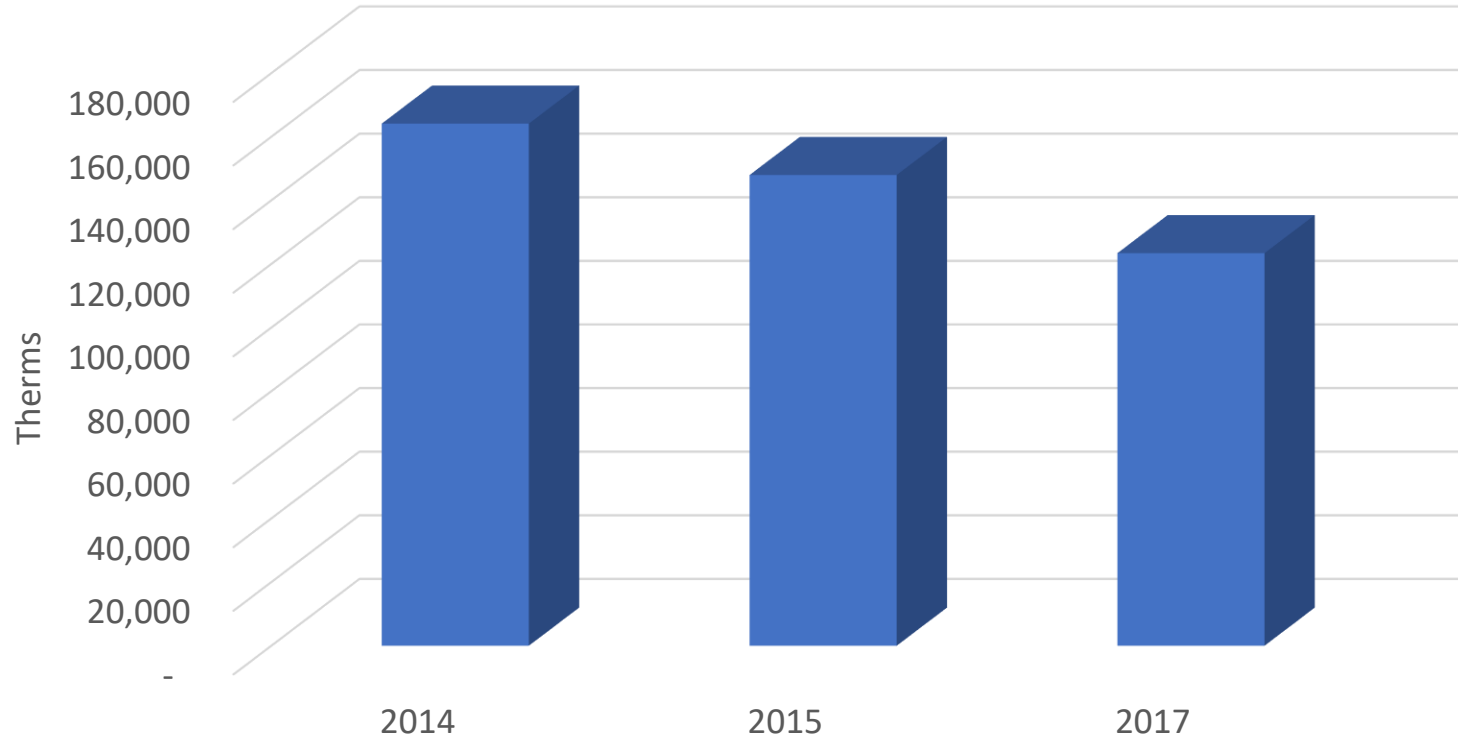
Trends in Mobile Fuel Use



Trends in Municipal Electricity Use



Trends in Municipal Natural Gas Use



Revised Schedule

Task	SEP ★	OCT	NOV	DEC	JAN ★	FEB	MAR	APR	MAY ★	JUN	JUL
1. Select Consultant											
2. Complete Emissions Inventories											
3. Community Engagement											
4. Draft Plan											
5. Council Considers Plan											
6. Implement Plan											

★ Planned check-in meetings with Council

Community Engagement

- Focus areas:
 - Climate equity
 - Youth engagement
- Variety of strategies:
 - Climate Summit
 - Training/Toolkit
 - Boards & Commissions
 - Online



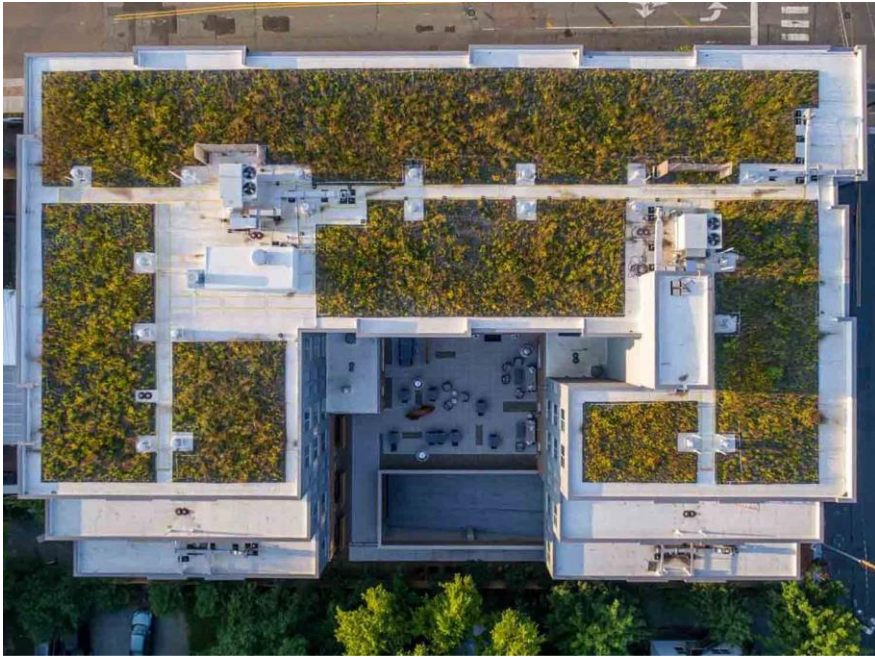
Potential Areas for Action

BUILDINGS

- Green, efficient
- Renewable energy



Potential Areas for Action



LAND USE

- Compact, walkable development
- Open/green space

Potential Areas for Action

TRANSPORTATION

- Expand non-vehicular options (walk, bike)
- Electrification (fleet, bus, community EV)



Potential Areas for Action



RESILIENCE

- Water
- Stormwater
- Emergency Planning/
Preparedness
- Climate Education/
Outreach

Next Steps

- Finalize carbon inventories
- Engage community
- Begin drafting the Plan
- Share more through project website
- Next report: May 2020



