

# City of Hillsboro Community Greenhouse Gas Inventory

Presented to Environmental Stewardship Committee

December 7, 2023

# Presentation Overview



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Project Background

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Key Terms

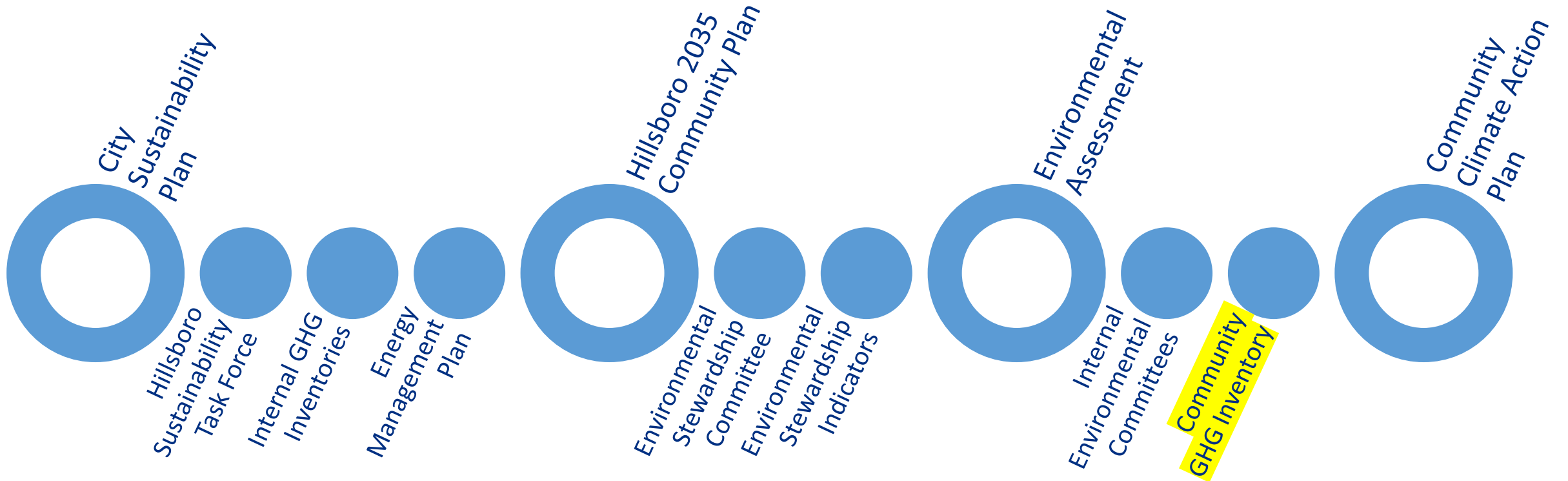
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Inventory Results

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Next Steps

# Project Background - Continuum



# Project Background - Climate Action Process



Parametrix



# Project Background – Connection to Priorities



# Key Terms

- Climate Action Plan (CAP)
- CO<sub>2</sub> / CO<sub>2</sub>e
- Greenhouse Gas (GHG)
- GHG Inventory or Footprint

# What is 1 MT CO<sub>2</sub>e?

- One MT CO<sub>2</sub>e is equal to any one of the following:
  - One passenger vehicle driven 2,500 miles
  - 13% of one US home's energy use for a year
  - 46 propane cylinders for home BBQs
  - 1.2 acres of additional forest sequestration for 1 year

Calculated using [EPA's GHG](#)

[Equivalencies Calculator](#)

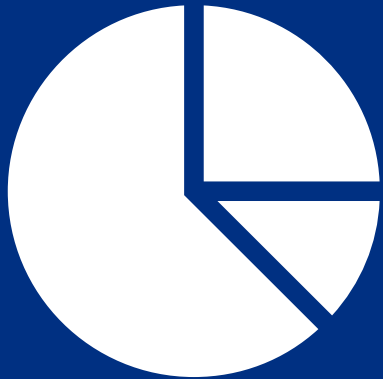


**ParametriX**



# Key Terms

Spotlight on the types of emissions sources



## Local Emissions

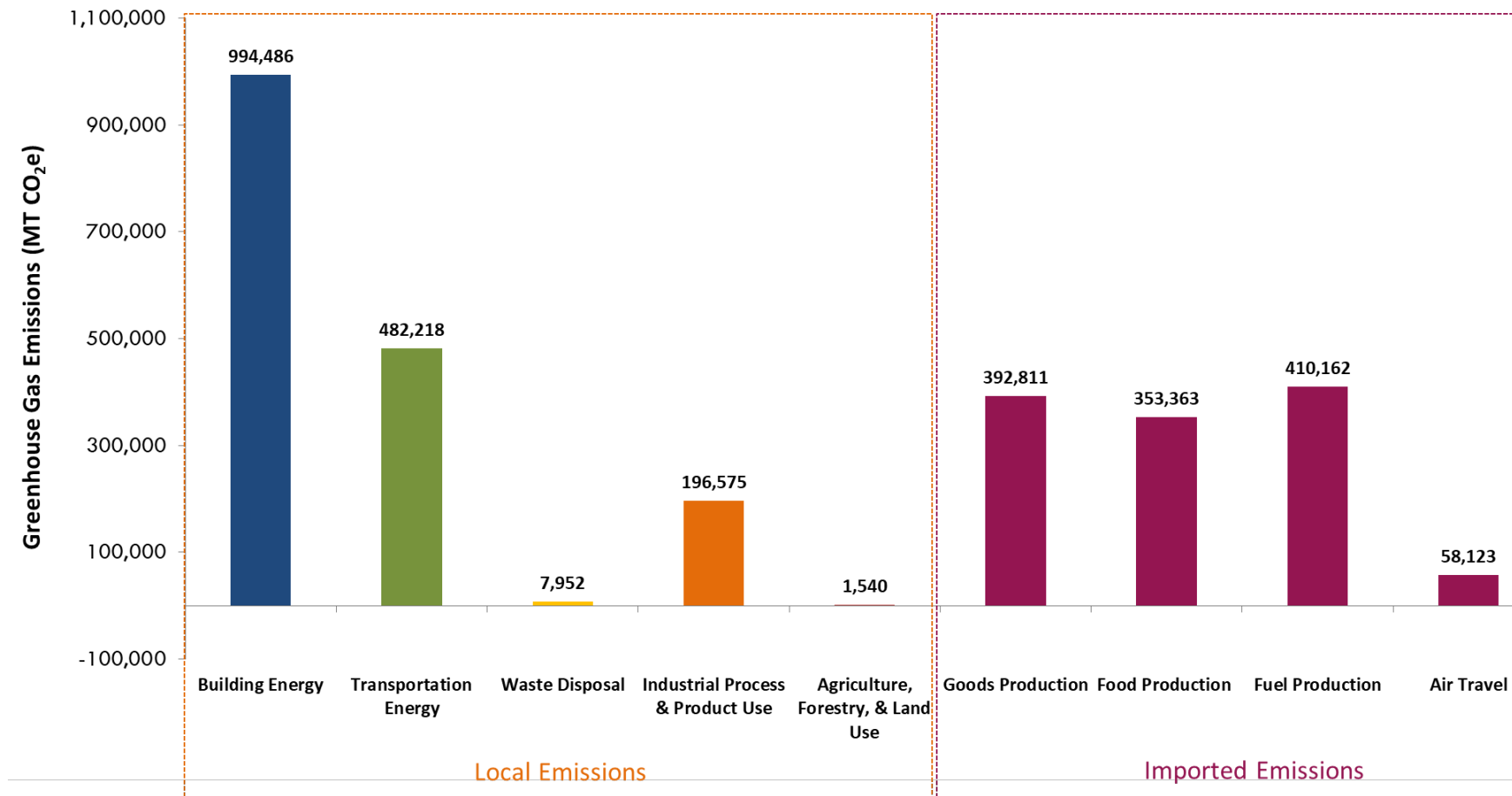
- Building Energy
- Transportation
- Industrial Process & Product Use
- Waste & Wastewater
- Agriculture, Forestry & Land Use

## Imported Emissions

- Production of Food & Goods
- Production of Fuel
- Air Travel

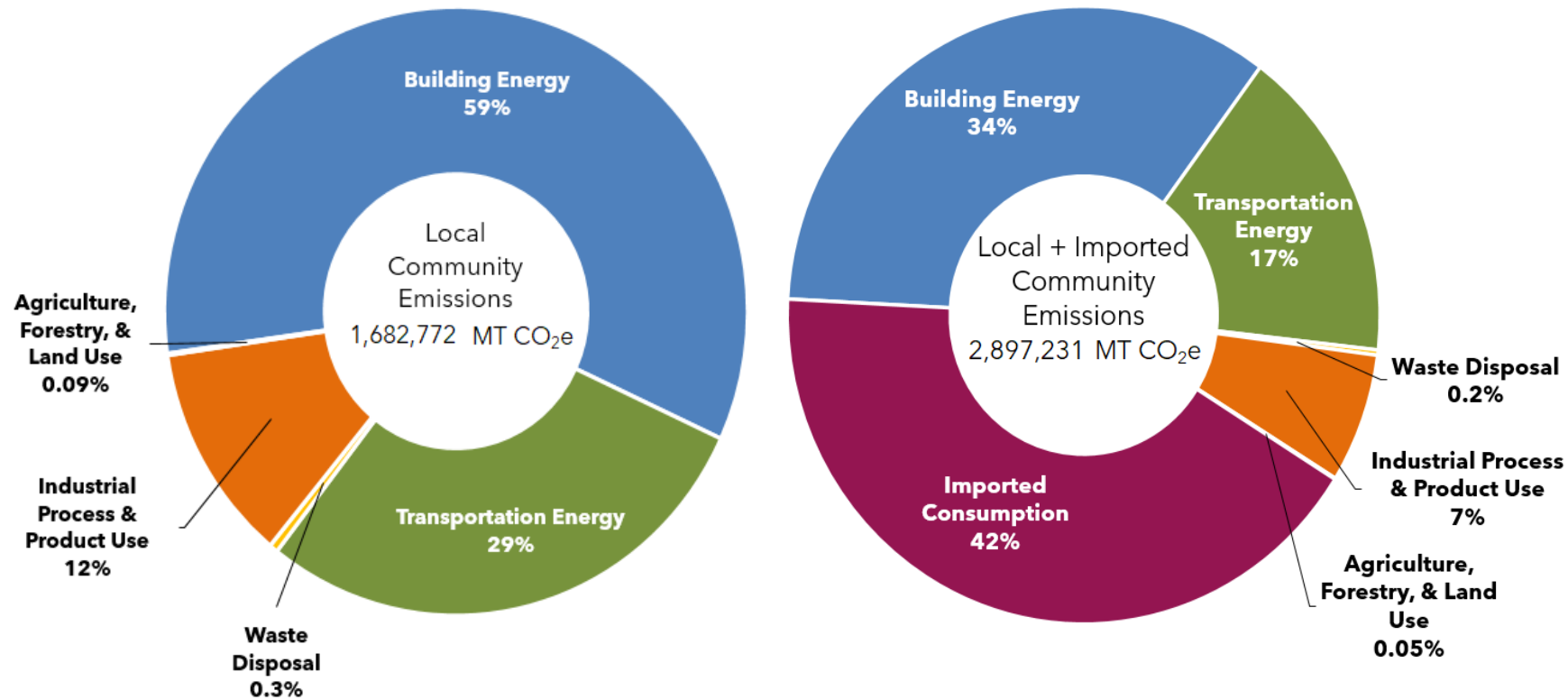


# Inventory Results - Summary



# Inventory Results - Summary

Figure 2: Local Community Emissions (left) and Local Plus Imported Community Emissions (right)



# Inventory Results by Sector – Local Building Energy

Figure 3: Building Energy Emissions

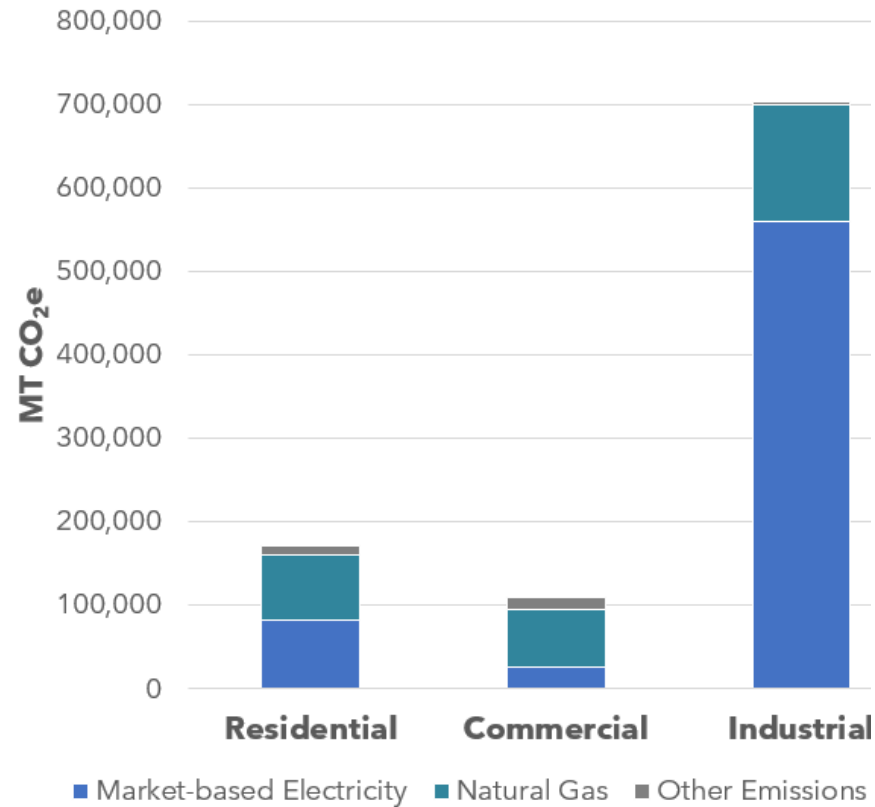
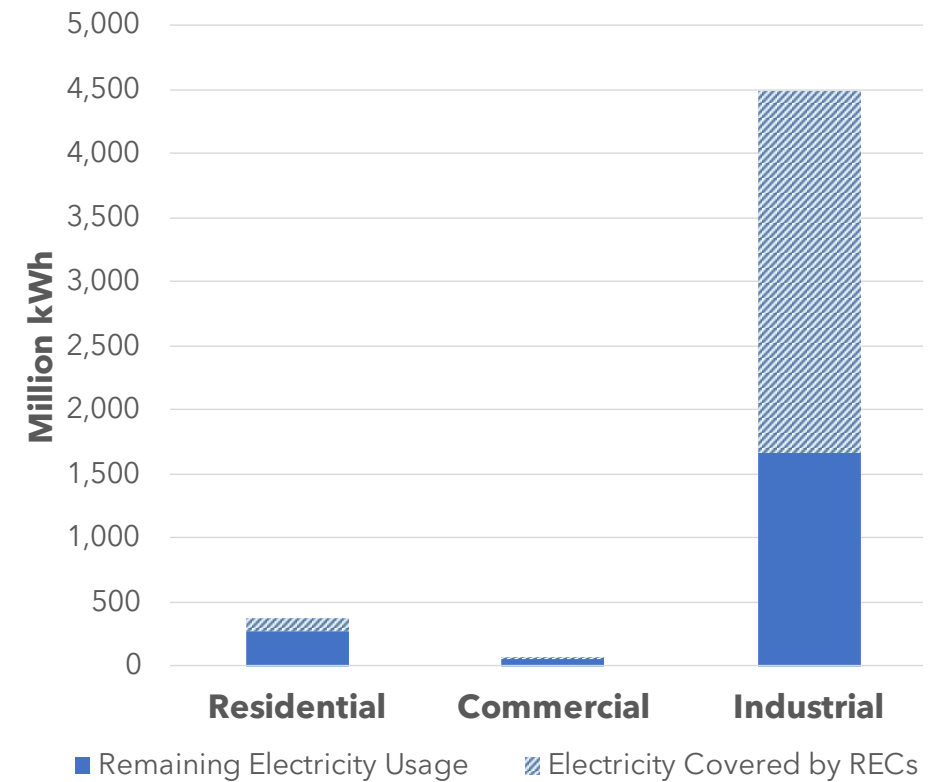
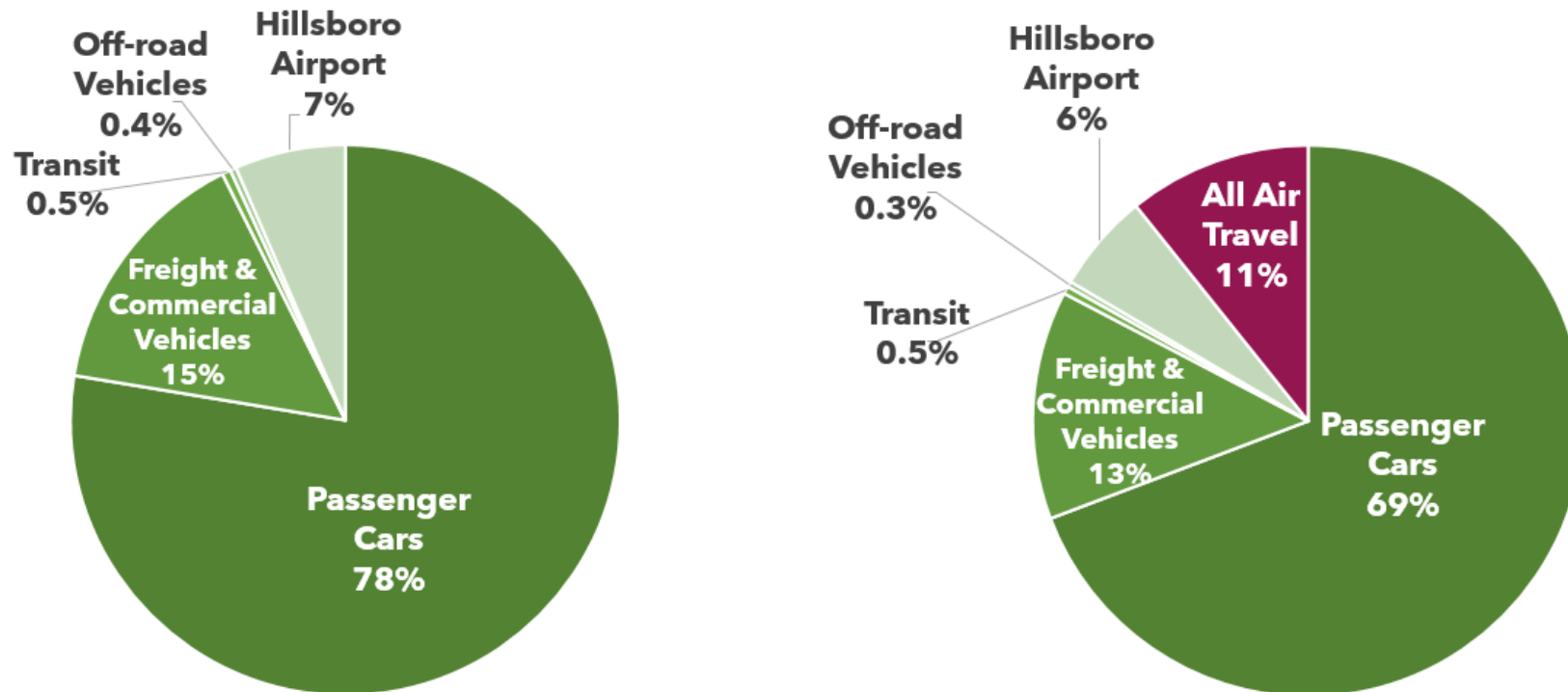


Figure 4: Electricity Usage and REC Purchases



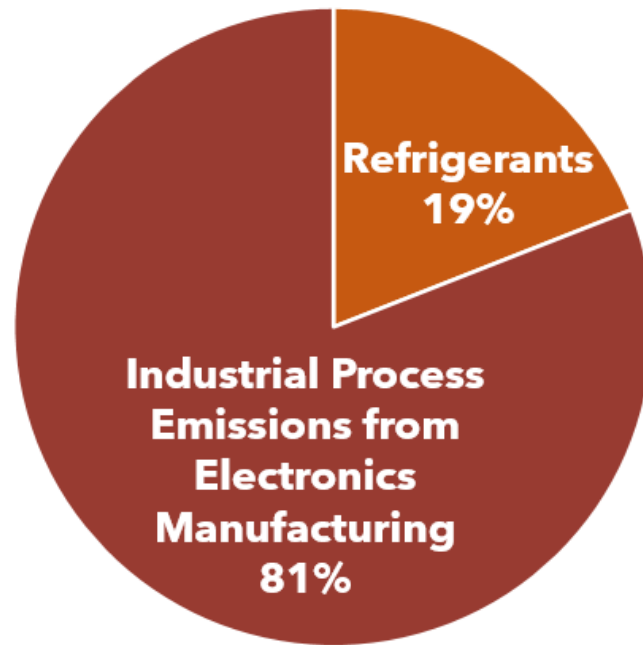
# Inventory Results by Sector – Local Transportation

Figure 5: Transportation Emissions - Local (left) and Local Plus Imported (right)



# Inventory Results by Sector – Local Industrial Processes

Figure 6: Refrigerants and Industrial Process Emissions



# Inventory Results by Sector – Other Local

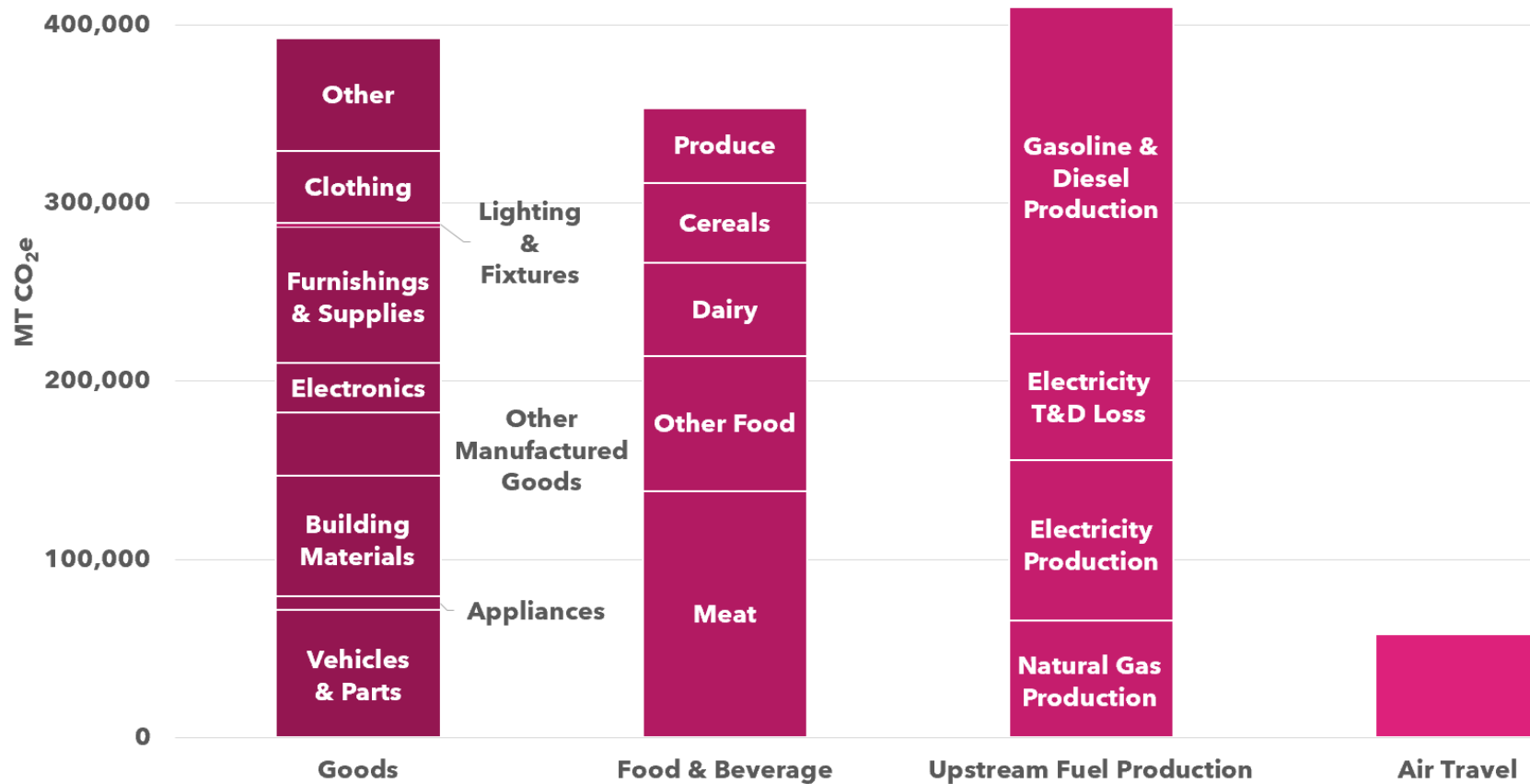
## Waste & wastewater processing

- 8,000 MT CO<sub>2</sub>e
- Less than 0.5% of local emissions

## Agriculture, forestry & land use conversion

- 1,500 MT CO<sub>2</sub>e
- Less than 0.1% of local emissions

# Inventory Results – Imported Emissions



# Next Steps



## Winter 2023/24

- Analysis of GHG Projections
- Stakeholder Outreach – Internal & Key Partners
- Development of Reduction Measures
- Low Income & Disadvantaged Communities Benefit Analysis
- ★ Regional Collaboration

## Spring 2024 – Spring 2025

- Apply for Project Funding
- ★ CAP Work Ongoing Through Mid-2025



Questions?



**THANK YOU!**