

City of Pensacola Baseline GHG Inventory Results



Presented by Mark Jackson,
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Key Terms

- **Greenhouse Gas (GHG):** any gas that contributes to the greenhouse effect.
- **Baseline emissions:** the amount of GHGs emitted in one year prior to the introduction of reduction strategies.
- **MTCO₂e = Metric Ton of Carbon Dioxide equivalent:** a standardized unit of measure for GHG.
- **Scope 1:** GHG emissions on City property as part of the standard operations of the City.
- **Scope 2:** GHG emissions as a result of City operations.
- **Resources:** the type of energy being consumed.
- **CCF Natural Gas:** heating and cooking gas in buildings; natural gas generators.
- **CNG:** compressed natural gas for vehicle use.

What's Included?

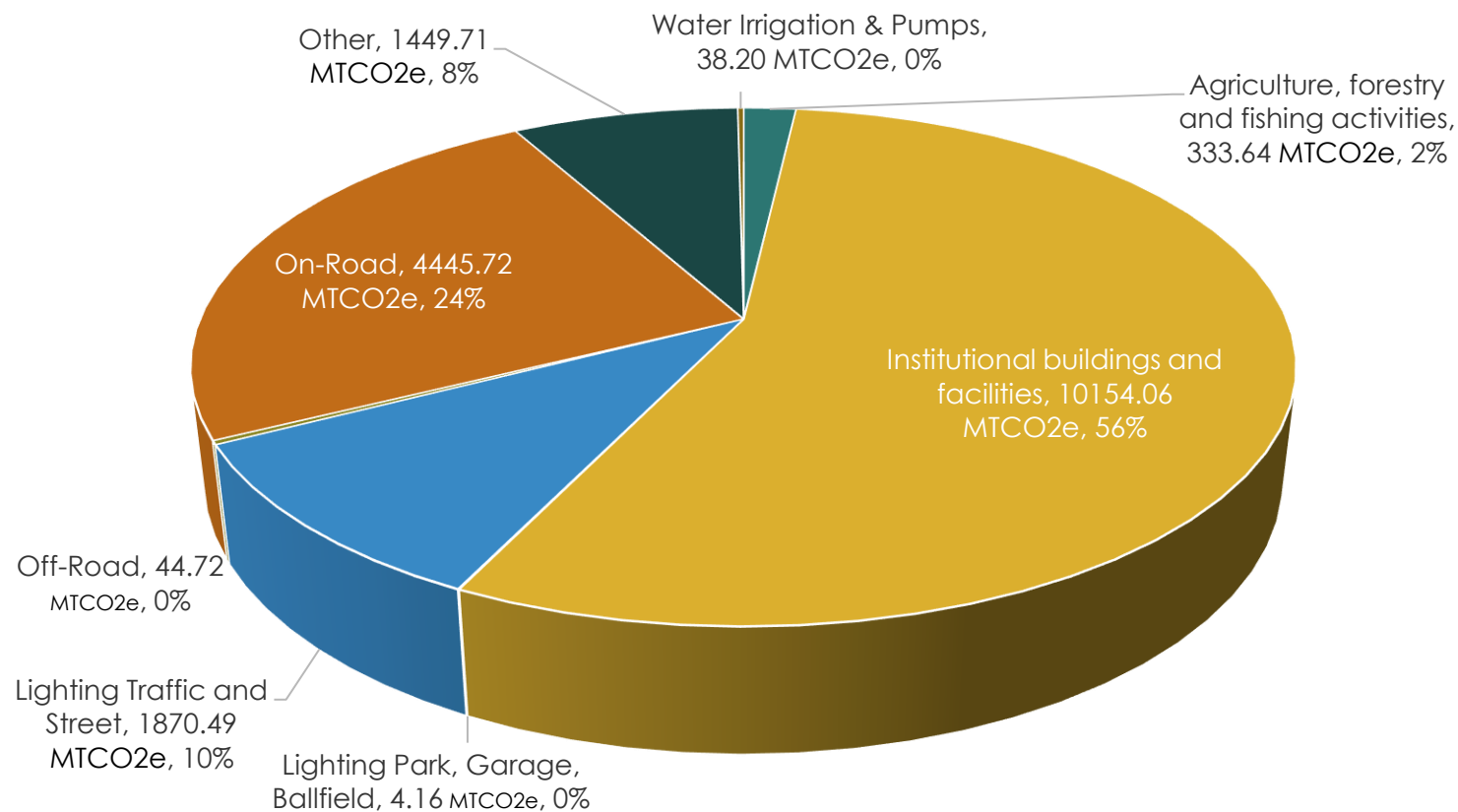
Sector	Activities
Buildings & Facilities	Electricity (FPL) used for government-operated buildings & facilities (except for the wastewater treatment plant, which is reported separately)
Public Street Lights & Traffic Signals	Electricity (FPL) used for public streetlights and traffic signals
Vehicle Fleet	Fuel used by on-road and off-road municipal fleet vehicles

What's Not Included?

- **Employee Commute** to and from the office (*outside the scope of the inventory*)
- **Solid waste generated from local government activities** (*data unavailable*)
- **Life-cycle emissions** (extraction, processing, packaging, transport, and disposal) of supplies, equipment, and other goods purchased for municipal activities (*data unavailable and outside the intended scope of the inventory*)
- **Refrigerant and hydrofluorocarbon emissions** (*data unavailable and outside scope of the inventory*)
- **Emissions from air or long-distance rail travel** associated with government duties (*outside scope of inventory and expected to be minimal*)

Government Operations Inventory Baseline

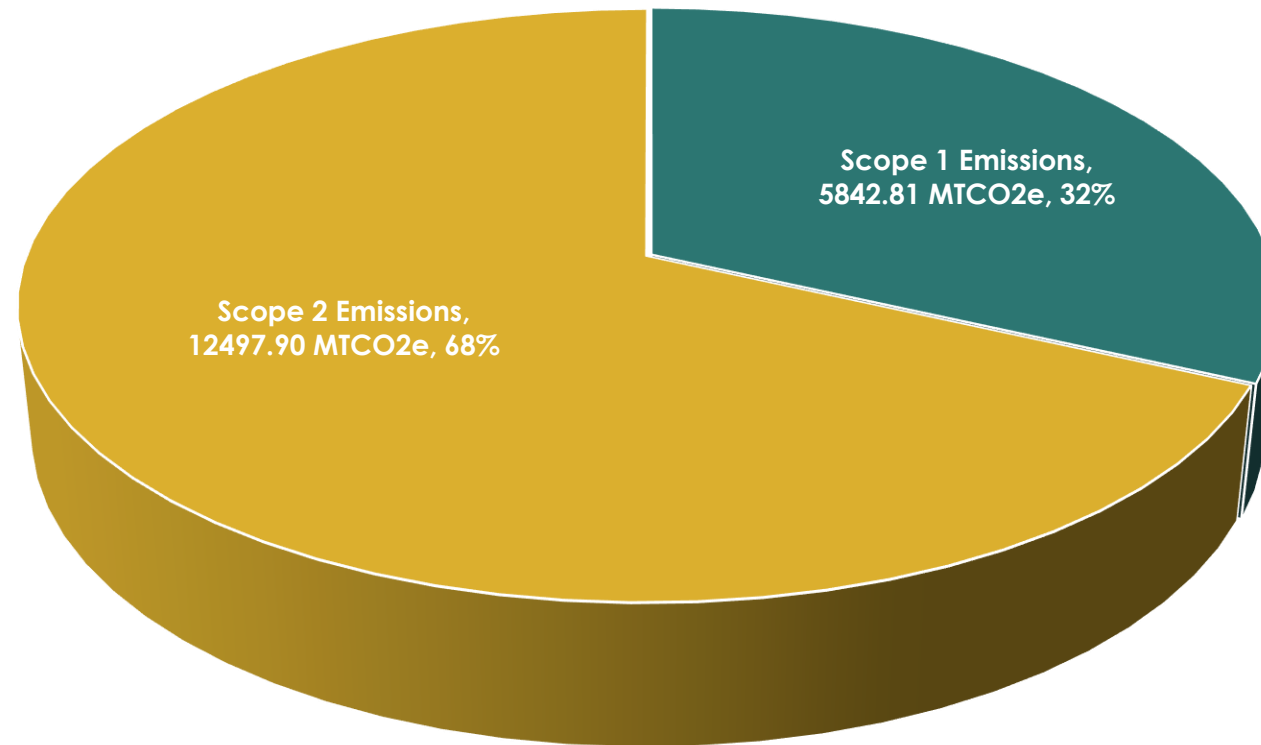
Emission by LGOP Sector in MTCO₂e & Percentage



18,340.7 MTCO₂e

Baseline GHG Inventory by Scope

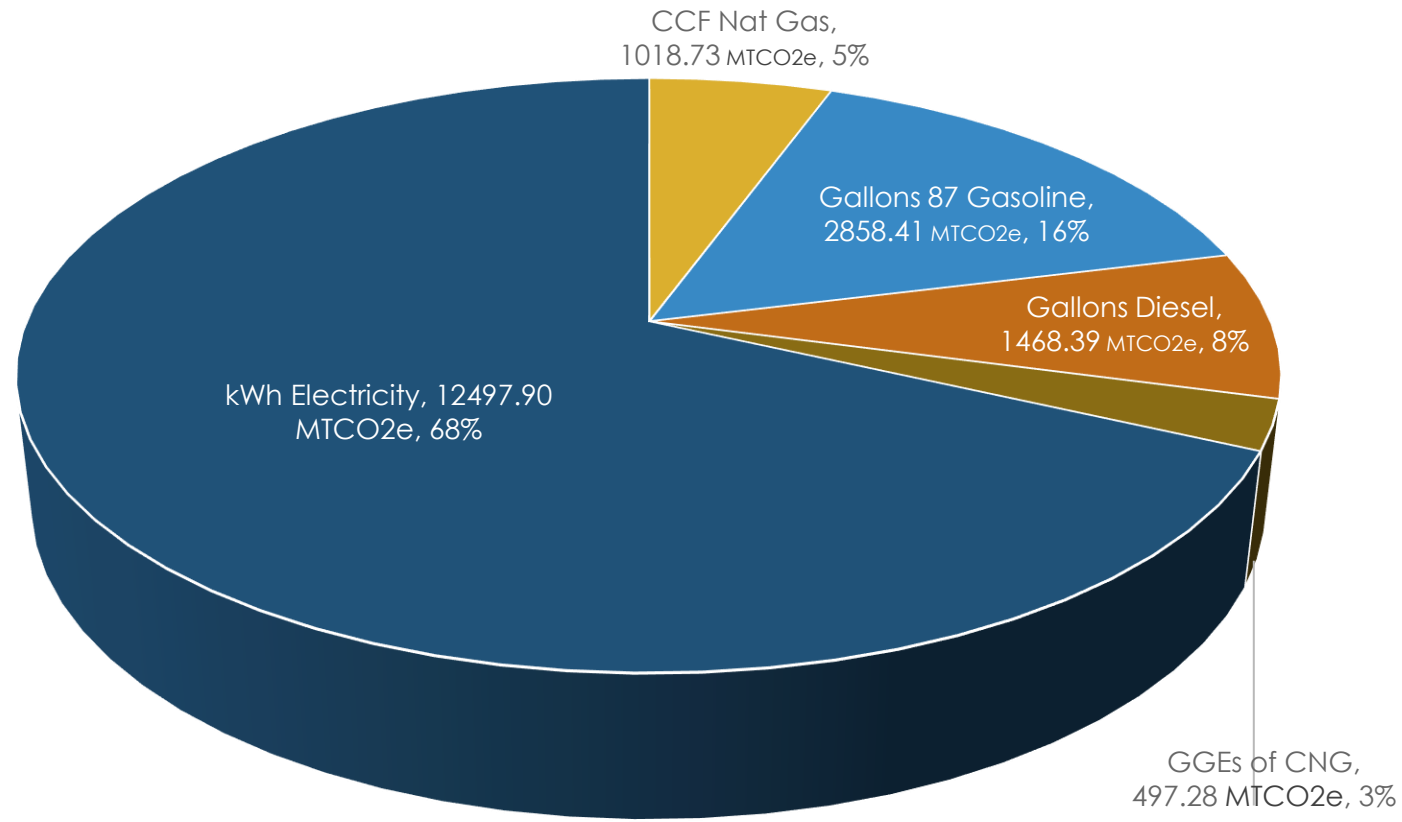
Emission by Scope in MTCO₂e & Percentage



City of Pensacola Government Operations Baseline

Baseline GHG Inventory by Resource

Emissions by Resource in MTCO₂e & Percentage



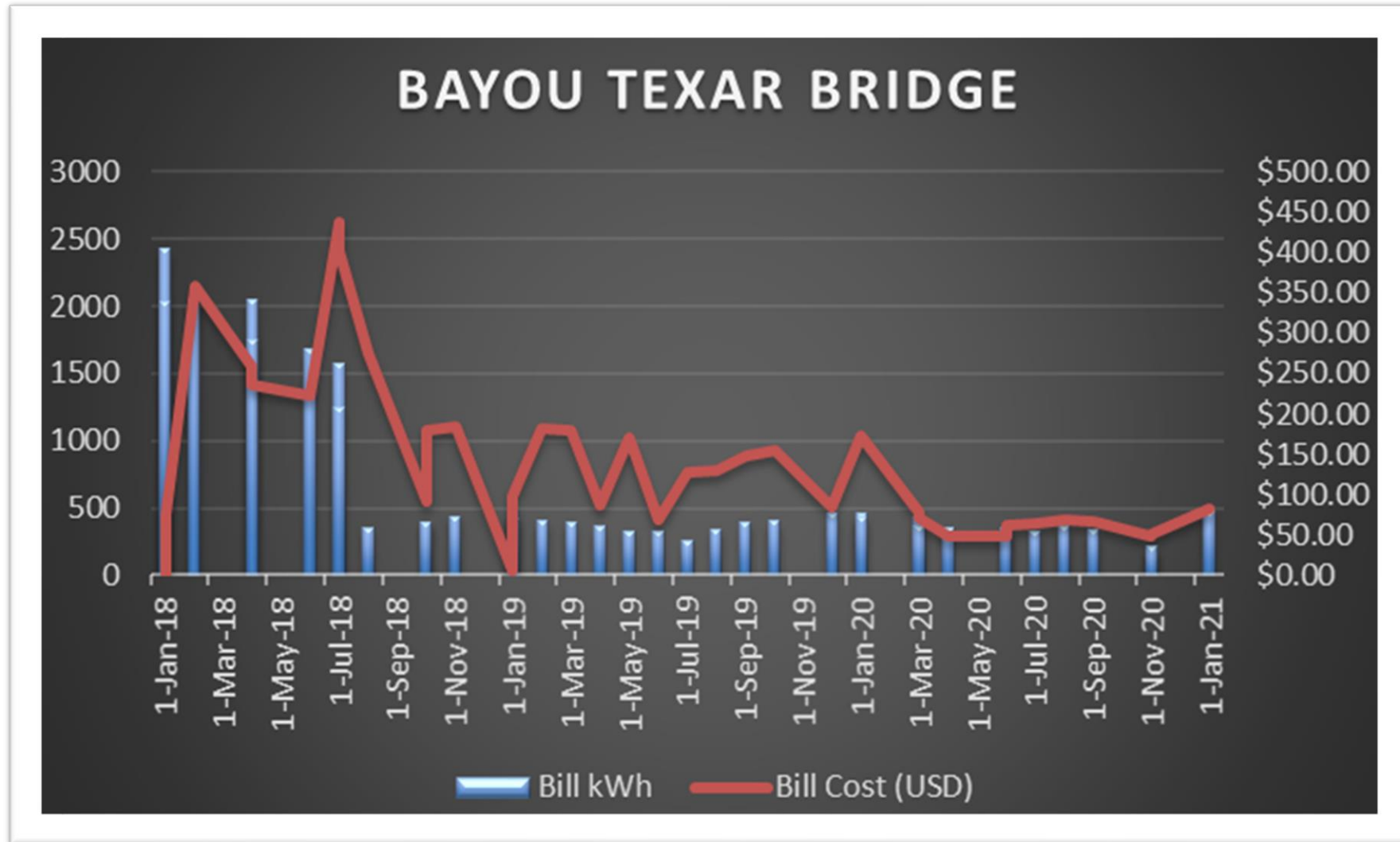
City of Pensacola Government Operations Baseline

Why is it important to track GHG emissions?

- GHG emissions from human activities are changing the global climate.
- Setting a baseline enables the City to track and measure the effectiveness of GHG reduction projects.
- Each pound of CO₂ reduced equates to future financial savings.

What can we do to reduce local government emissions?

- **Reduce fleet emissions** through right-sizing, encouraging virtual meetings, purchasing electric/hybrid/CNG vehicles, and efficient route design.
- **Increase energy efficiency** by retrofitting municipal buildings, installing LEDs and auto shutoff lights, and educating City staff of energy and water conservation strategies.
- **Increase the use of renewable energy** by installing on-site energy production (solar photovoltaics).



Example Project

Thank You!

Questions?

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