

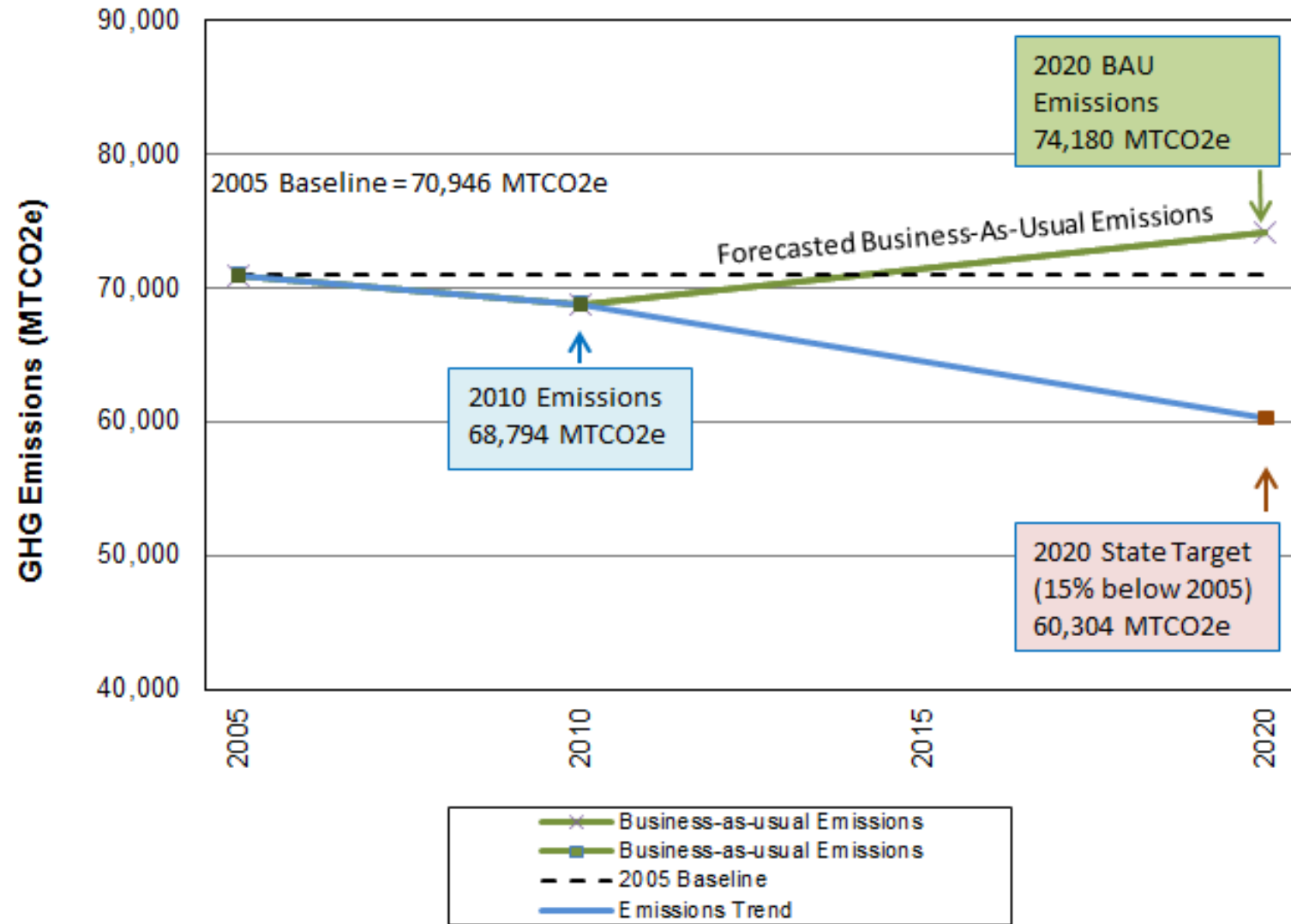
2023 City of Brisbane GHG Emissions Inventories

Data compiled by Rincon Consultants via
San Mateo County RICAPS

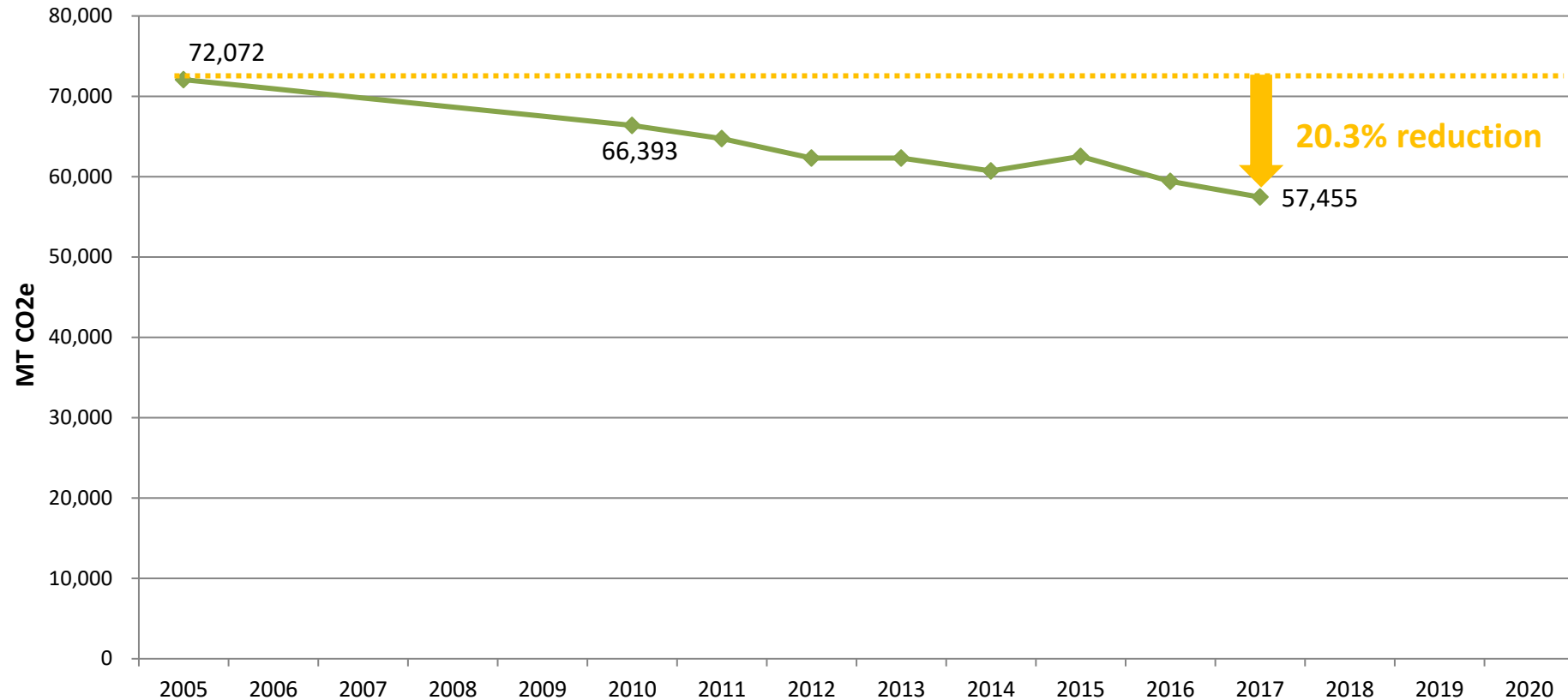
With additional charts by Adrienne Etherton,
Sustainability Manager, City of Brisbane

Brisbane Climate Action Plan

Figure 7. Brisbane GHG Reduction Target (15% below 2005 levels by 2020)



Brisbane GHG Emissions, 2017 Inventory

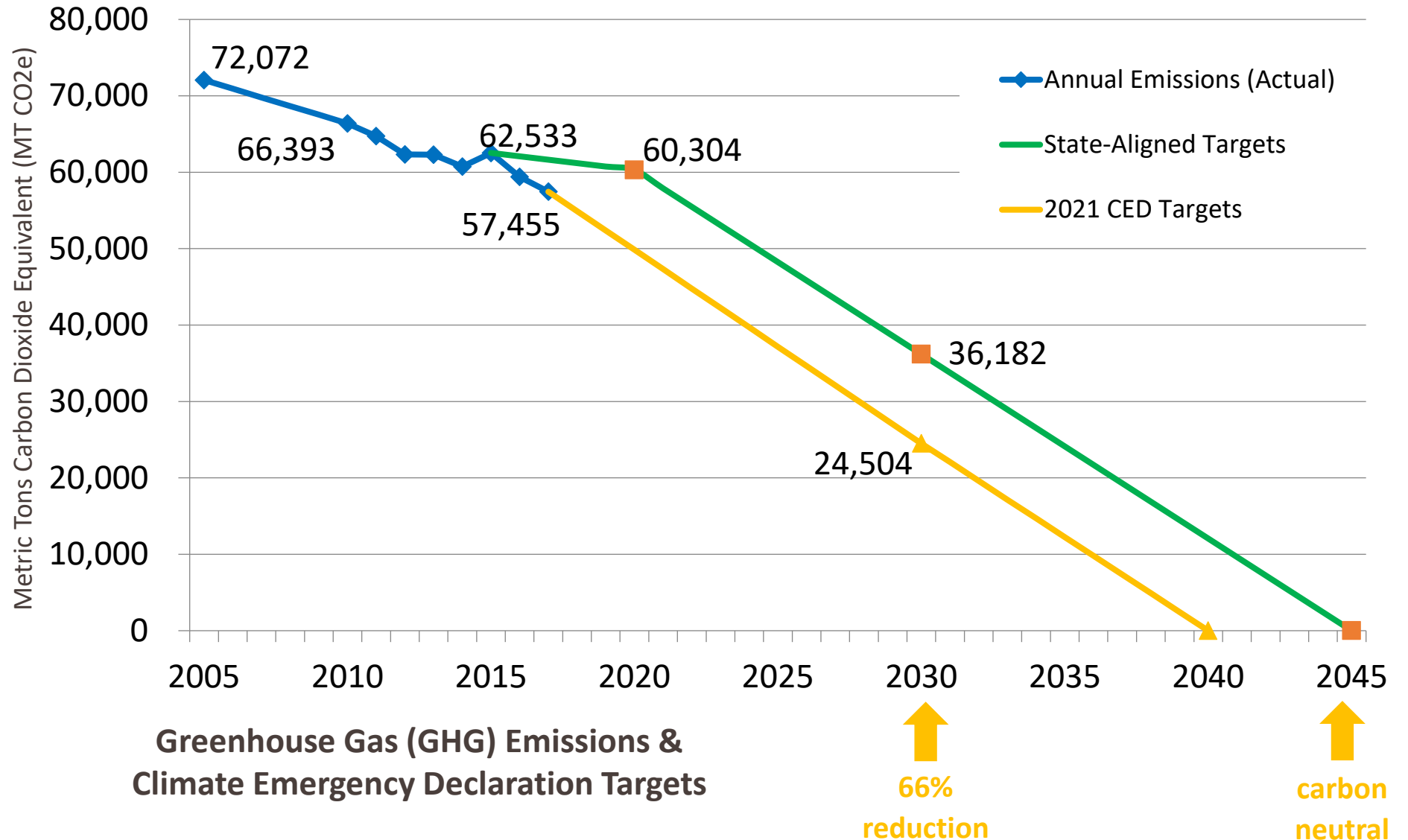


Climate Emergency Declaration

Adopted in July 2021

Established aspirational goals for 2030 & 2040

Presentation of the declaration reported that previous goal had been met, based on 2017 inventory



2019 & 2021 Inventory Changes

- New consultant (Rincon) supporting RICAPS
- Updated standards and methodologies
- New regional transportation model for Vehicle Miles Travelled (VMT)
- New sources: upstream energy use – methane gas leakage and electricity transmission losses
- Updated 2005 baseline to match new methodology, but not interim years so lacking comparable data for trendlines

Source	2005 Baseline Emissions (MTCO ₂ e)
Climate Action Plan	70,946
2017 Inventory/Climate Emergency Declaration	72,072
2019 & 2021 Inventories	84,511



**~19%
increase in
baseline**



Brisbane 2023 Community GHG Inventory

Sector	Subsector	2005	2019	2021	2023
Building Energy	Electricity	21,233	3,375	141	354
	Natural Gas	11,413	16,165	18,247	18,183
	Stationary Sources	N/A	117	253	472
On-road Transportation	On-road - Total VMT	38,923	40,480	38,607	37,176
Off-road Equipment	Off-road - All Fuels	4,223	4,820	4,592	4,777
Solid Waste	Landfilled Waste	2,554	2,638	3,432	3,445
	ADC	53	0	0	0
	Landfills	6,111	7,591	7,564	6,688
Wastewater	Wastewater Treatment	N/A	115	117	124
Water	Water Use	N/A	1	15	2
Total		84,511	75,302	72,969	71,222

15.72% reduction

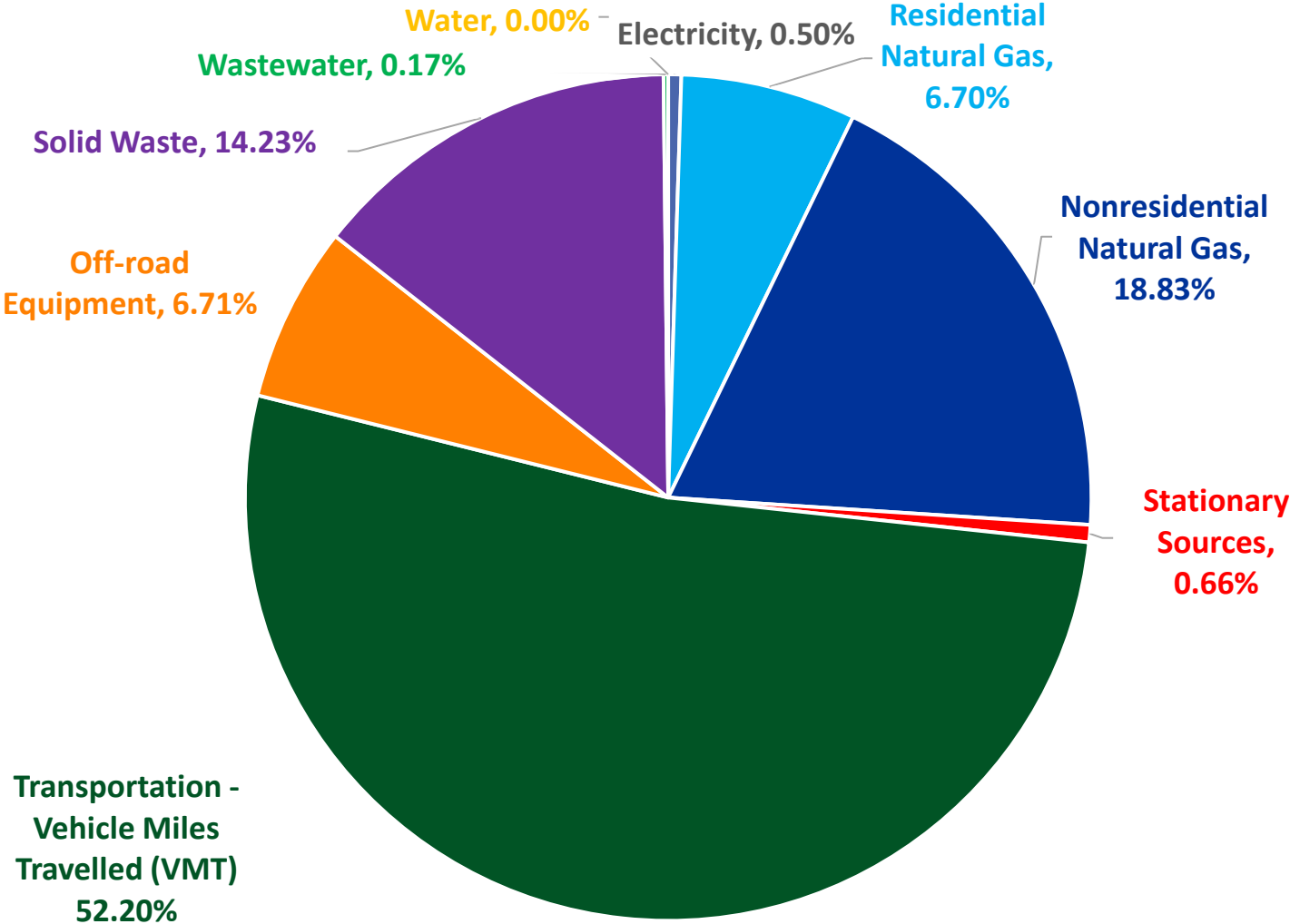


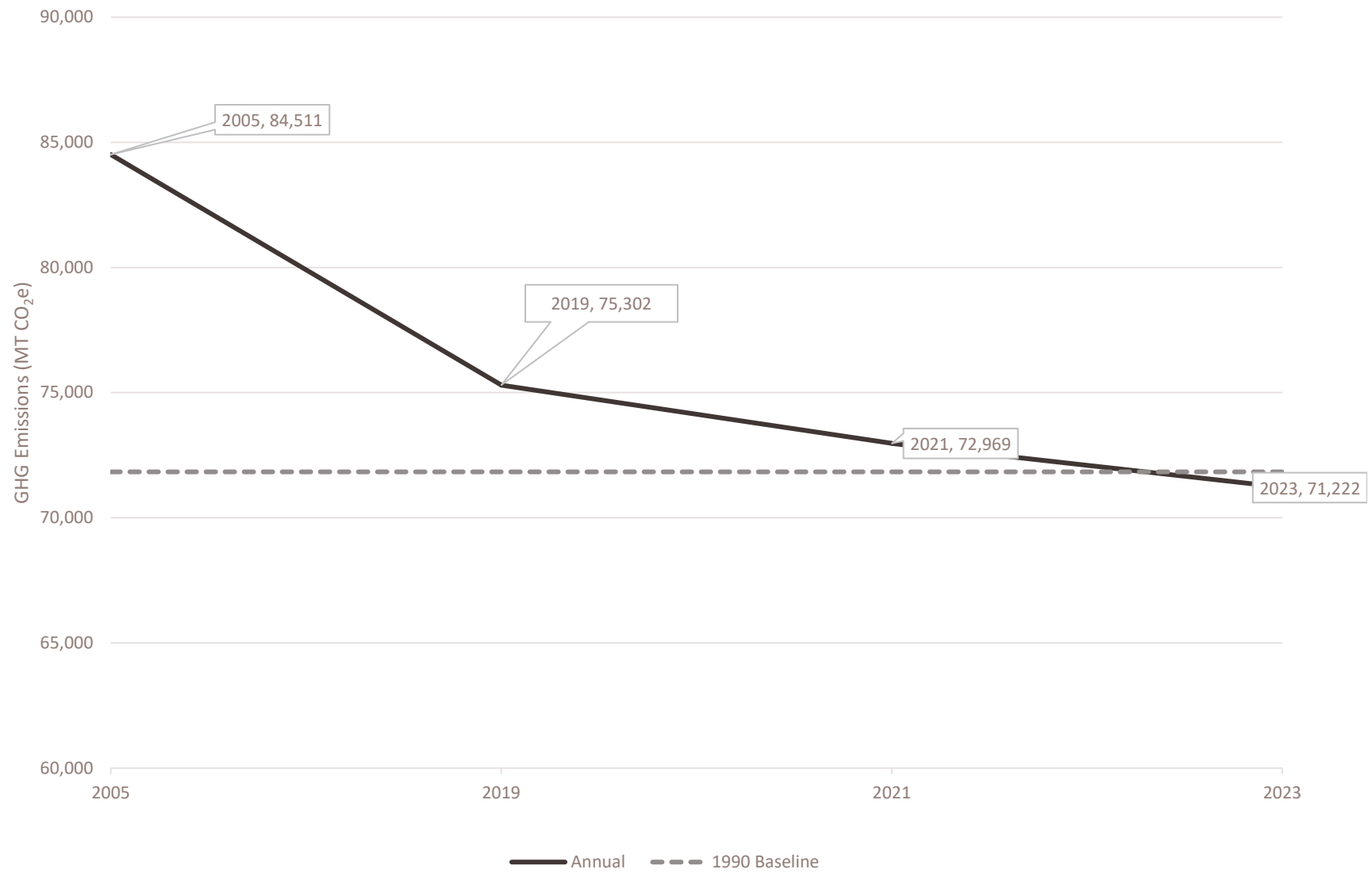
Summary from Emily Saul, Rincon Consultants:

- From 2021 to 2023, total emissions decreased ~2%.
- Largest decrease was on-road transportation emissions primarily due to a decrease in passenger VMT. Passenger VMT decreased about 6% but was offset by an increase of ~9% in Commercial VMT.
- Closed landfill emissions also saw a slight decrease and can be expected to keep decreasing gradually.
- Natural gas saw a slight decrease in residential gas consumption and water saw a slight decrease due to PG&E's lower emission factor.
- 2023 nonresidential gas is unknown; 2021 data is used instead.
- All other sectors saw slight increases.

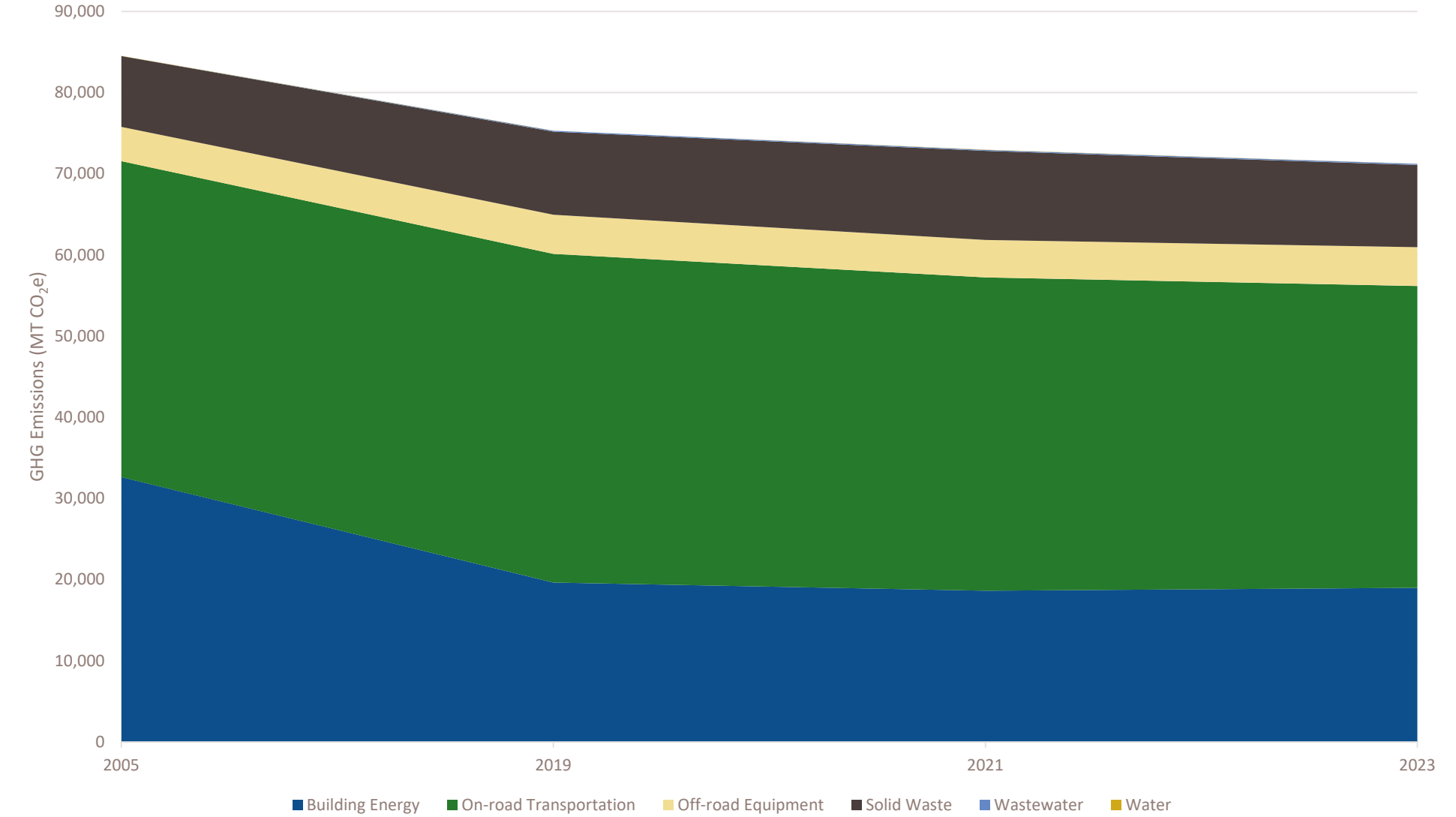


Brisbane 2023 Community GHG Inventory

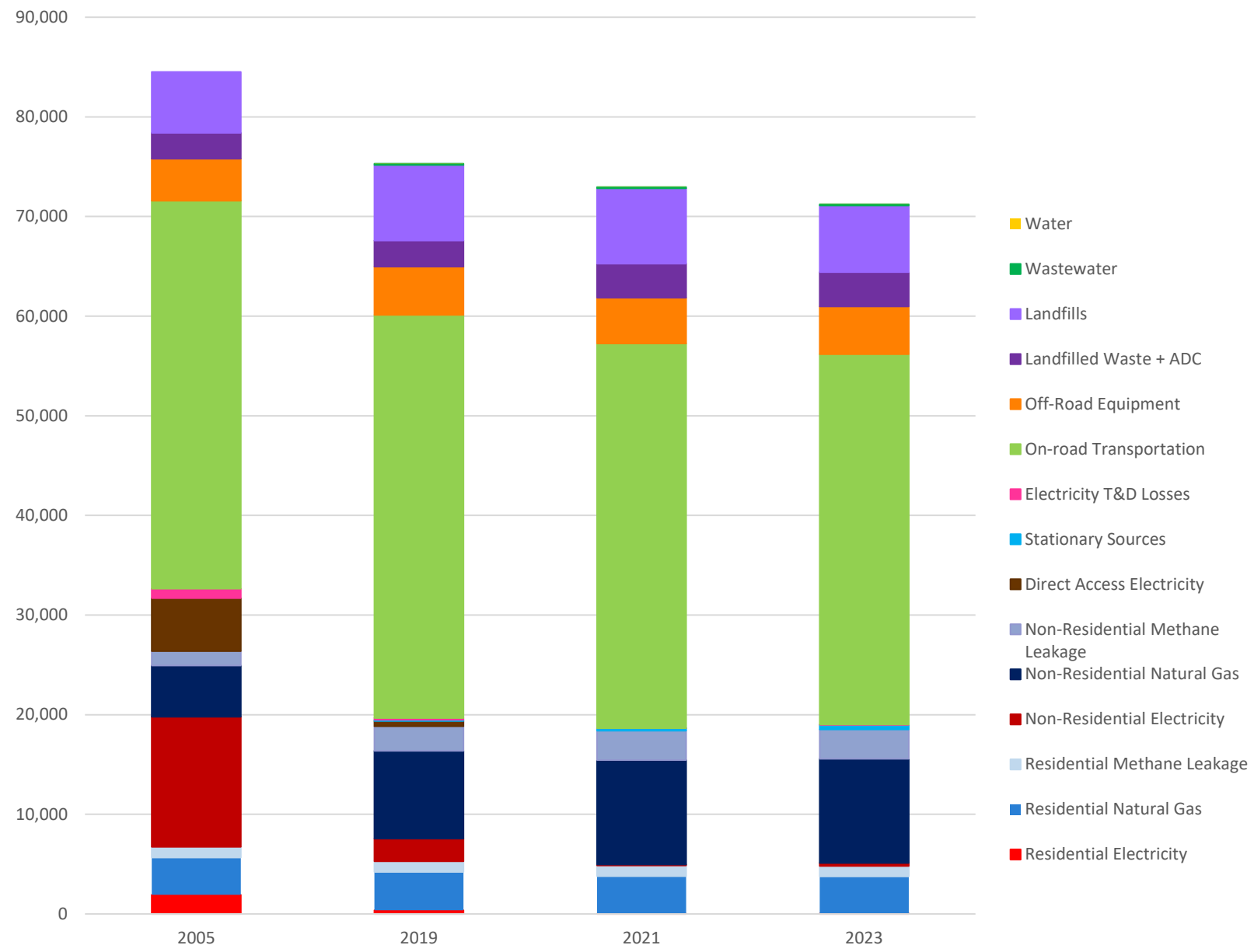




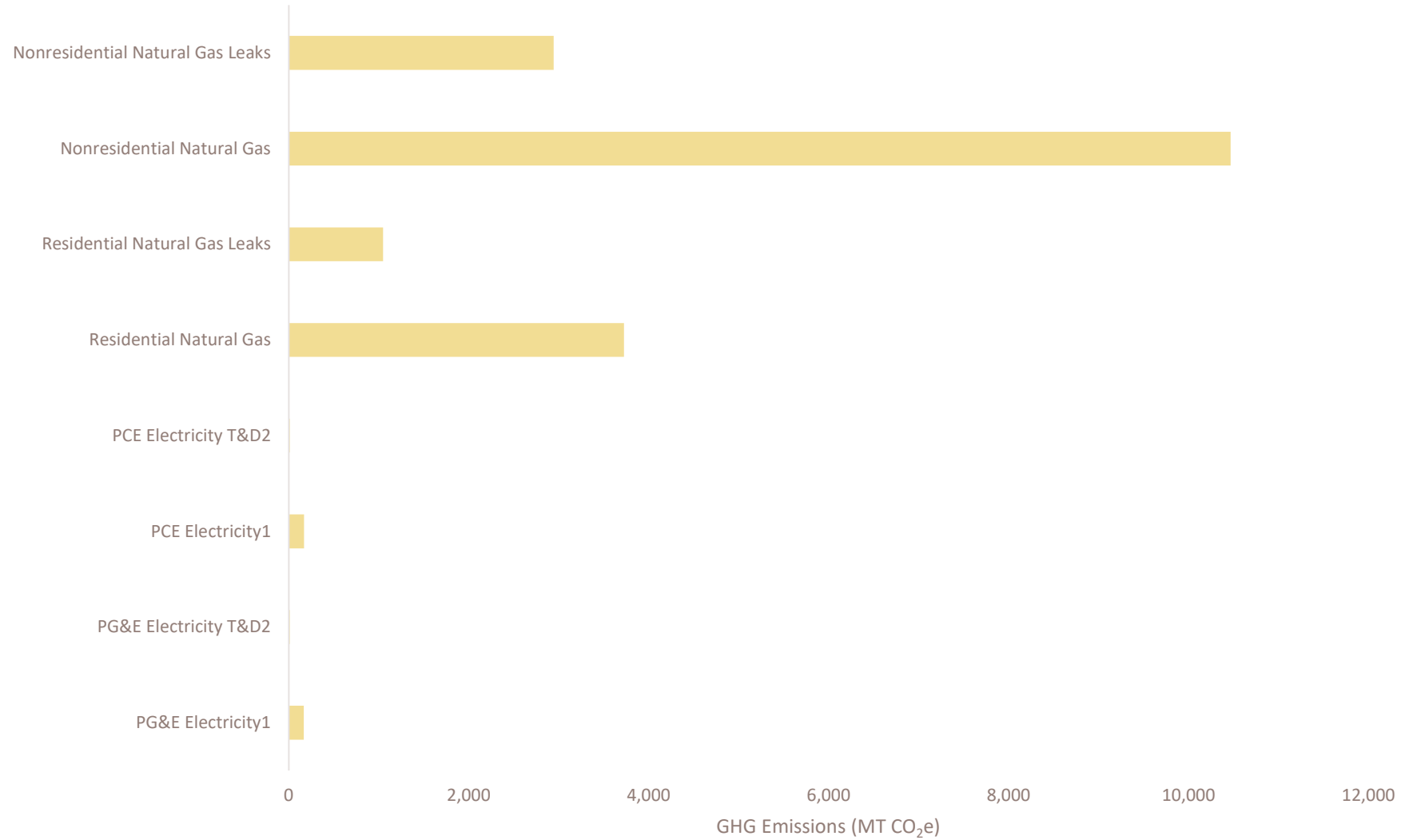
GHG Emissions Over Time by Sector

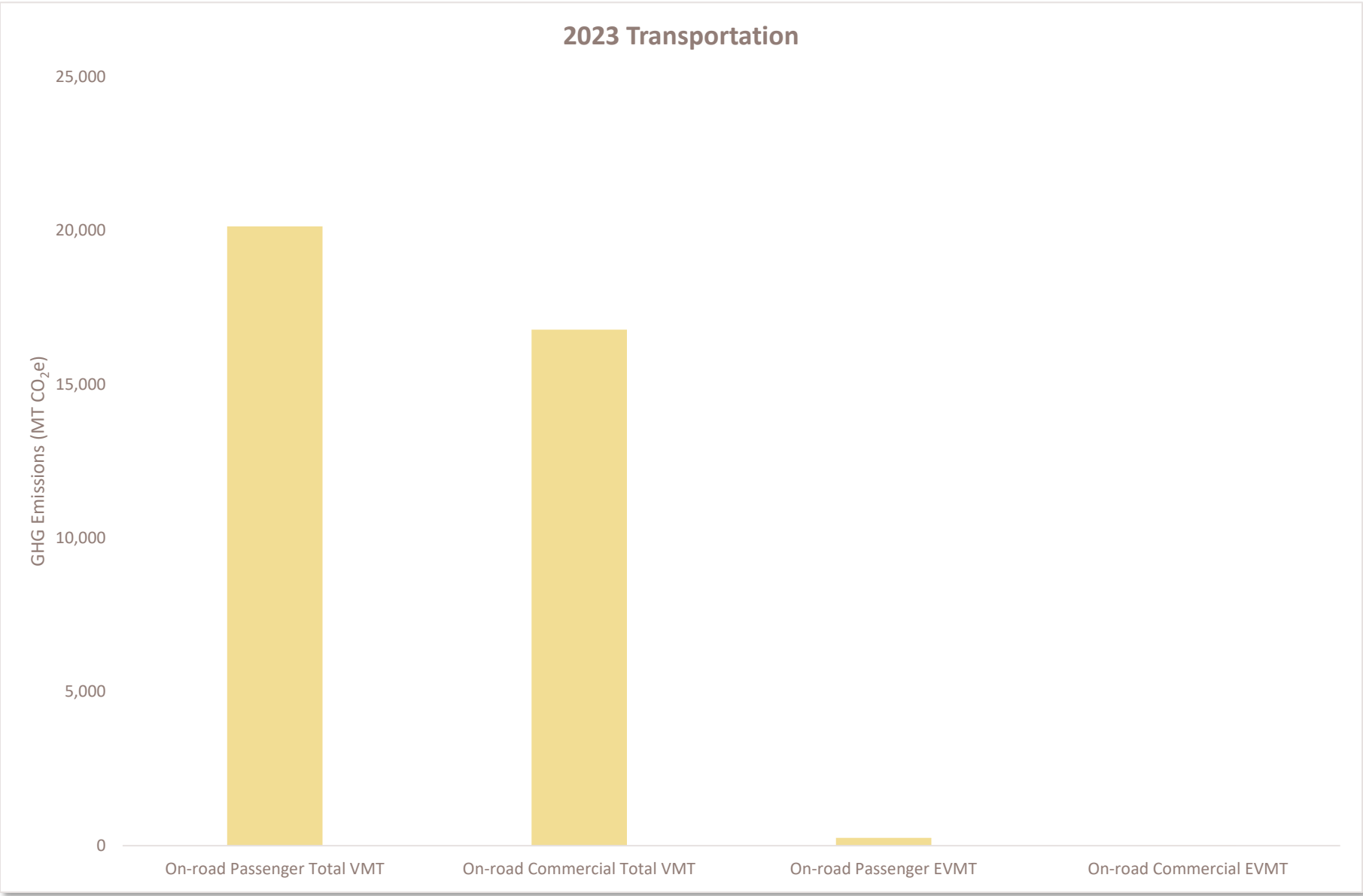


Emissions Sources Over Time



2023 Building Energy





Brisbane GHG Emissions and Targets

