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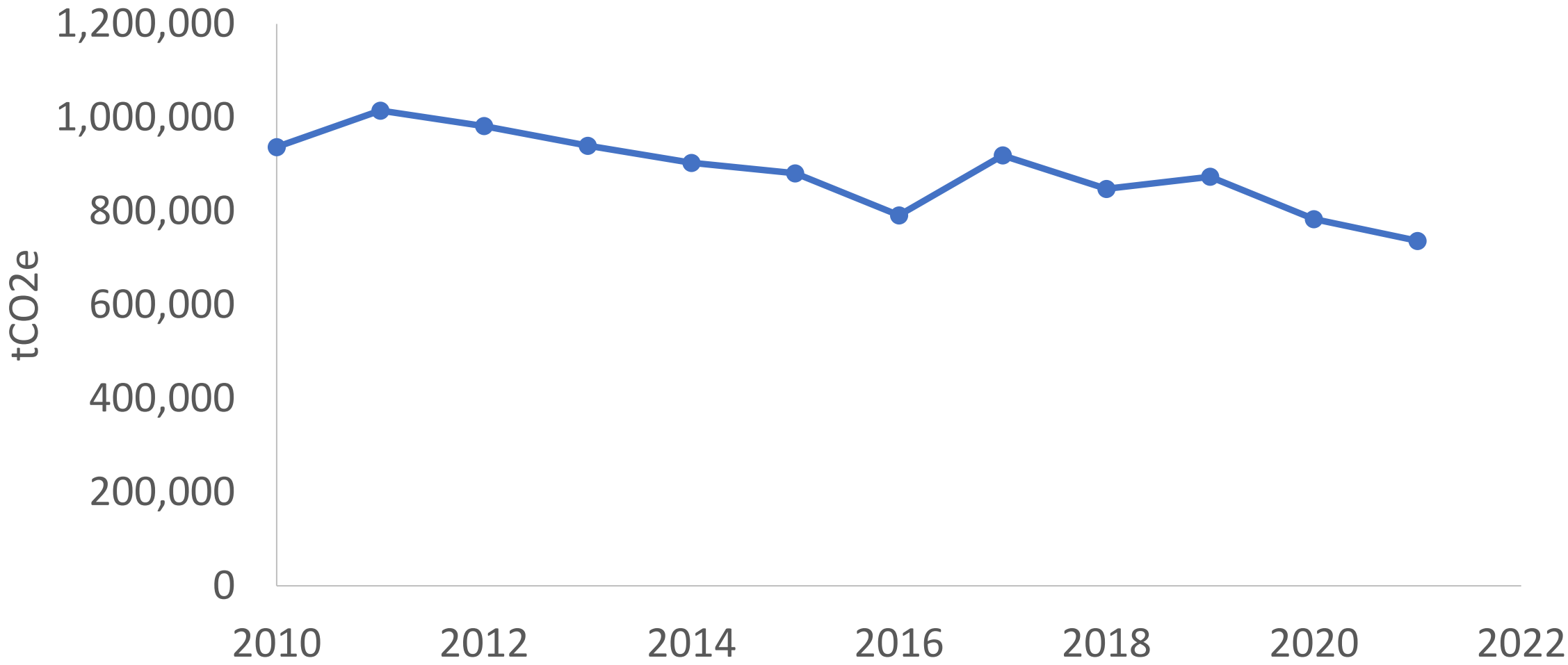
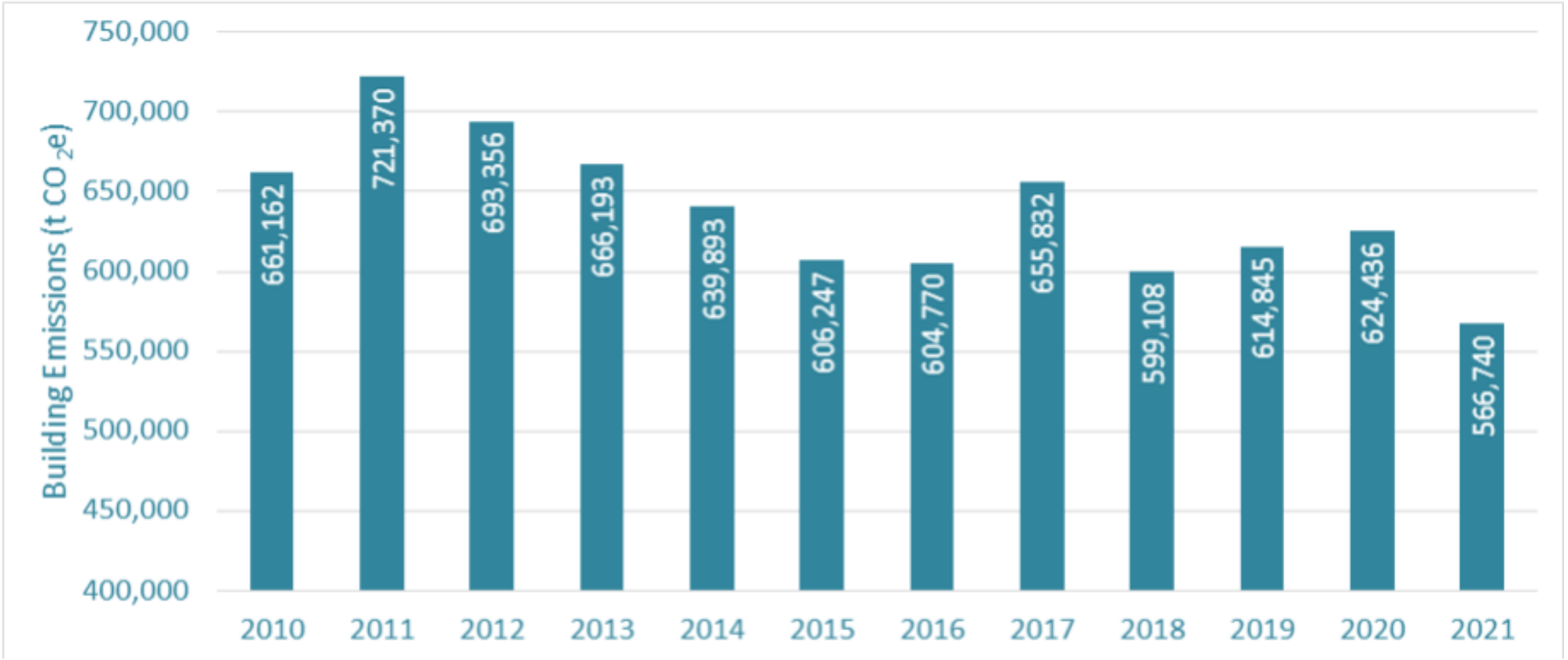
2021 CARBON NEUTRAL GOVERNMENT REPORTING RESULTS

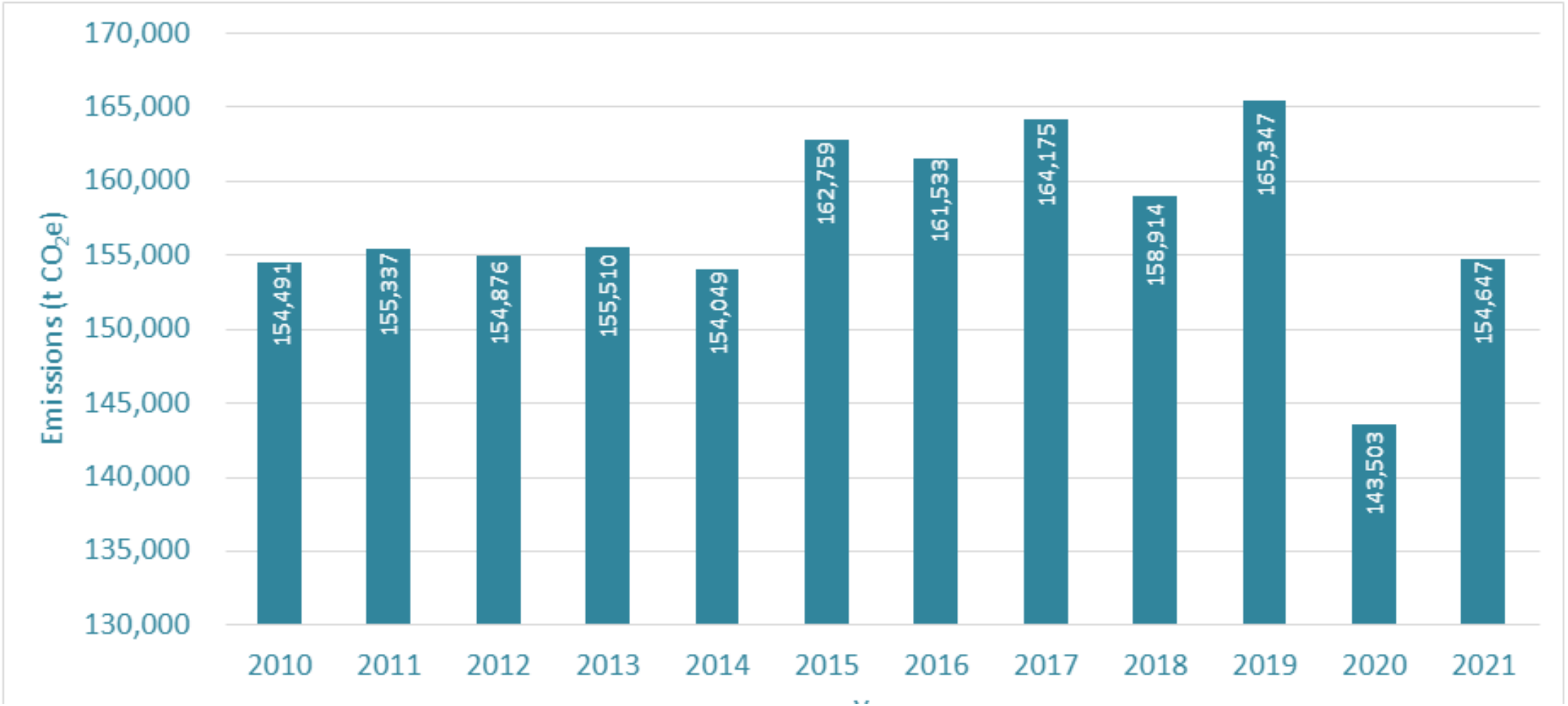
TOTAL EMISSIONS



2010-2021 BUILDING EMISSIONS



2010-2021 TRANSPORTATION EMISSIONS



2021 SURVEY HIGHLIGHTS

- **94%** PSOs undergoing retrofits
- **10** LEED certifications

- **90%+** of vehicles use gasoline or diesel
- **9%** of PSOs have a Clean Fleet Plan

- Additional trees/shrubs adjacent to pathways
- Solar panels

- More examples and templates
- Climate change adaptation training
- Knowledge-sharing opportunities

QUESTIONS?

DAVID GILL
SENIOR POLICY ANALYST, CLEAN GOVERNMENT

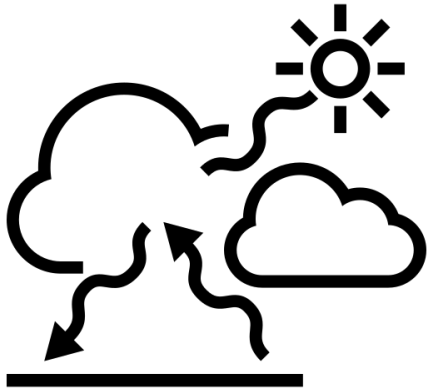
EMISSION FACTOR UPDATES

EMISSION FACTOR UPDATES

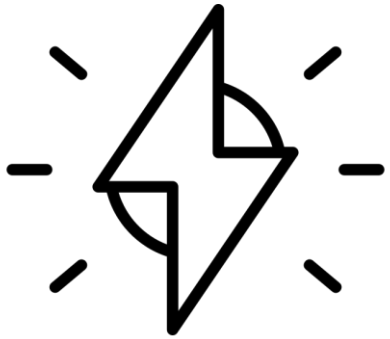
An **emission factor** (EF) is a value that describes the rate at which a given activity releases greenhouse gases (GHGs) into the atmosphere.

EMISSION FACTOR UPDATES

Fleet



Global Warming Potentials



Electricity Emissions Factor

FLEET UPDATES

What's changing?

- Reducing the Emissions Factor for gasoline light duty vehicles and light duty trucks.
- Hindcasting to 2016

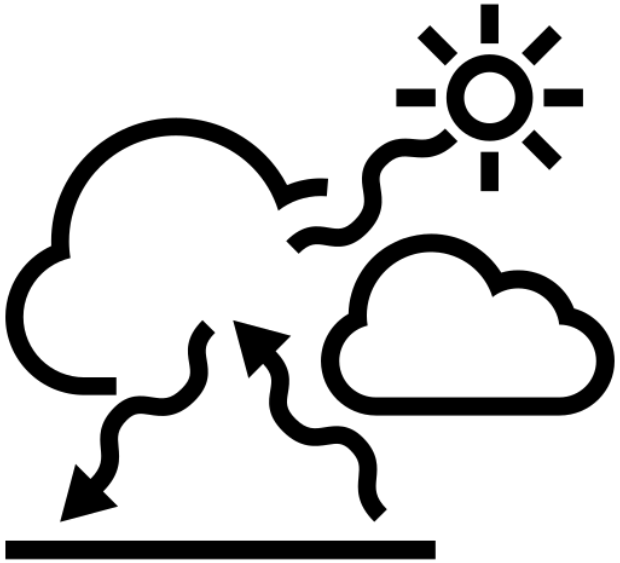
Why is it changing?

- Align with Federal regulations and reports, and age of fleets
- Increase accuracy

What does this mean for you?

- Slightly lower fleet emissions

GLOBAL WARMING POTENTIALS



A **Global Warming Potential** is a measure of how much energy the emissions of 1 tonne of a greenhouse gas will absorb over a given period of time, relative to the emissions of 1 tonne of carbon dioxide (CO2)

QUESTIONS?

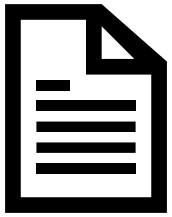
KRYSIA MATTHEWS
SENIOR POLICY ANALYST,
CLEAN GOVERNMENT

NEW POSITIONS IN THE CLEAN GOVERNMENT REPORTING TOOL (CGRT)

CONTEXT

A **position** is a location in CGRT where data is stored

Fleet: PSOs are using electricity and renewable natural gas (RNG)



Paper: PSOs are using non-wood fibre paper

CGRT does not have positions for:

- Mobile RNG
- Mobile electricity
- Alternative paper types

WHAT WE HEARD

- Imminent need for accurate reporting of **offset-exempt** emissions from **electric buses** and **RNG buses**

- **Mobile electricity**:
  - Challenges in distinguishing from stationary electricity
  - Excellent questions on accounting, implementation in CGRT

- Interest in more accurate reporting of **alternative paper types**

NEW POSITIONS

- Mobile Energy Use
  - Natural Gas Mobile Use (existing category)
    - **Mobile – Natural Gas (R100)**
  - Electricity Mobile Use (new category)
    - **Mobile electricity BC – Integrated Grid – BC Hydro**
    - **Mobile electricity BC – Fort Nelson Grid**

SOURCES OF EMISSIONS

Stationary Consumption (Buildings)

- Direct Emissions
- Indirect Energy Emissions

Electricity

Mobile Consumption (Fleet)

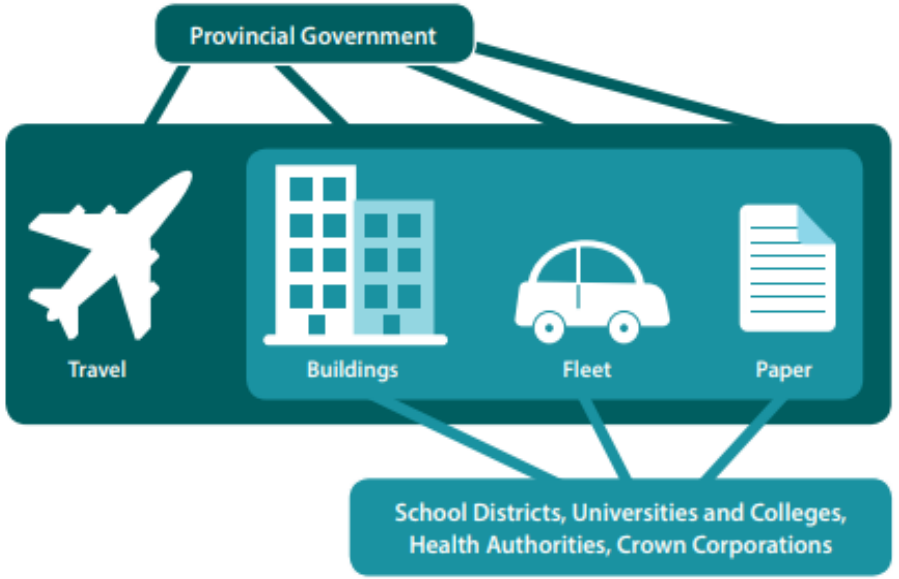
- Direct Emissions
- **Indirect Energy Emissions**

Procurement (Paper)

- Indirect Emissions

Fugitive Emissions

- Direct Emissions (Refrigerants)



https://www2.gov.bc.ca/assets/gov/environment/climate-change/cng/guidance-documents/scope_summary_for_bc_public_sector_greenhouse_gas_emissions.pdf

PILOT PROJECT: REPORTING 2022 EMISSIONS FROM ELECTRIC BUSES

- Working with **school districts** to accurately report emissions from electric buses
- Need to accurately account for offset-exempt emissions

Not a School District but interested in participating in the pilot?

Please email us: **Carbon.Neutral@gov.bc.ca**

CONTACT INFORMATION

Thank You!

Clean Government Team

Carbon.Neutral@gov.bc.ca