



Empower and Enable Green Business and Green Business Programs

Presented by:
Meg O'Shea – VEC & Christine VanDerwill – Climate Smart



VANCOUVER
ECONOMIC COMMISSION

Be the **greenest city**
in the world by 2020 (GCAP)

&

To draw energy from **100%**
renewable sources by 2050



Double
GREEN JOBS
over 2010 levels

&

Double
**BUSINESSES GREENING
THEIR OPERATIONS**





Climate Smart Businesses Inc.

Christine VanDerwill, Client Relations & Communications Manager

Training, certification + software tools for businesses to manage greenhouse gas emissions and associated costs



pilot program launched in 2007
social enterprise launched in 2009



- **825+** businesses, to date.
- **11%** average reduction over 2 years.
- **\$2.2 Million** in aggregate cost savings from sample of 60 case studies.

What is Climate Smart?

training
program



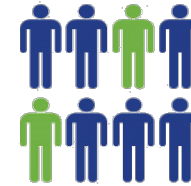
online
software
tool



one-on-one
support

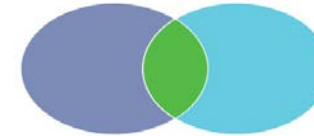


certification &
b2b network



GHG Protocol

most recognized international
standard; corporate accounting &
reporting



Host partner Model

programming + reporting with local governments, financial
institutions, ports/airports and non-profit organizations



climatesmart



How We Partner

THE FLATS

industry - innovation - sustainability

**BEEP Data
Projection/Baseline**

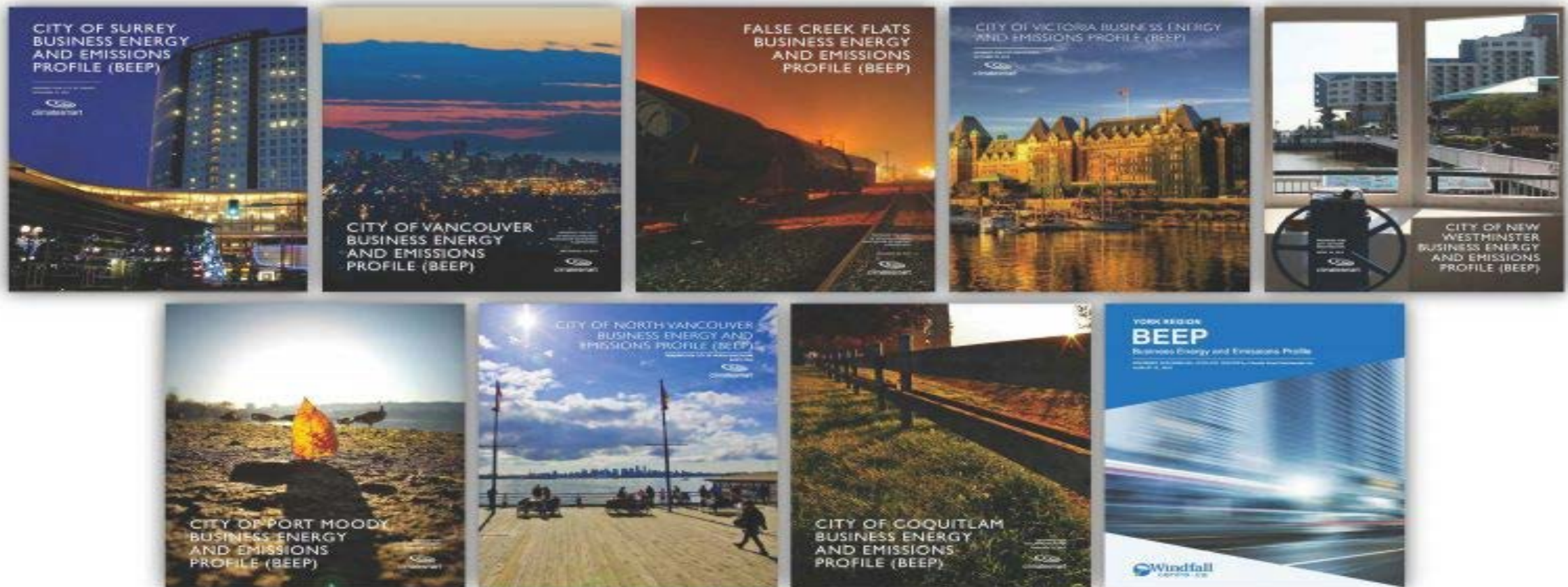
**Business
Engagement Plan**

Outreach

**Business
Training, Certification,
Software (Licensing)**

**Multiyear Reporting &
year-over-year
programming**

Business Energy & Emissions Profiles (BEEP)



Dashboard Our Account Help

Inventory: [Baseline](#)

Baseline

Overview

State: **Work In Progress** [Submit for review](#)

Period: January 01, 2010 – December 31, 2010

Revenue: \$8,000,000 CAD

Employees: 15 [Edit](#)

Location

Calgary Office	Enter Data	View Report
Nanaimo office	Enter Data	View Report
Kelowna office	Enter Data	View Report
Warehouse Vancouver	Enter Data	View Report
Head office Vancouver	Enter Data	View Report

Dashboard Our Account Help

Dashboard for House of Widgets

Training Schedule

Your trainer: Michelle Bonner
mfb@climate-smart.com or call 604-CLIMATE

Session 1	✓	April 26th, 2011 8am at Hollyhock Room, FL
Session 2	✓	May 26th, 2011 8am at Hollyhock Room, FL
Session 3		June 26th, 2011 8am at Hollyhock Room, FL

Emissions Manager

Inventory

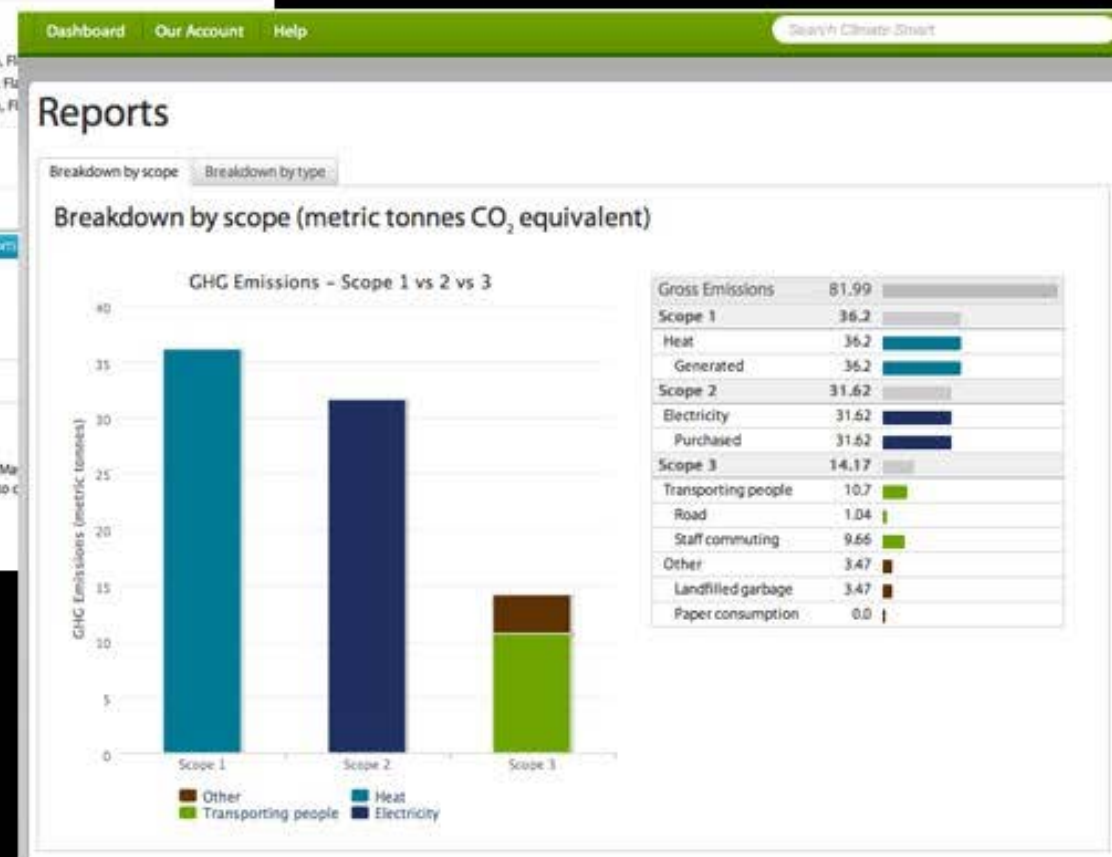
[Baseline](#) [Manage](#) [View Report](#)

[Add inventory](#)

Blog

An EPIC use of pine-beetle kill wood!
 Posted by Lloyd Lee on May 12, 2011
 The EPIC Sustainable Living Expo is coming to town this weekend (May 12-13) and a slew of Climate Smart businesses will be exhibiting there! Be sure to check it out at Market Discovery.

[Read more](#)



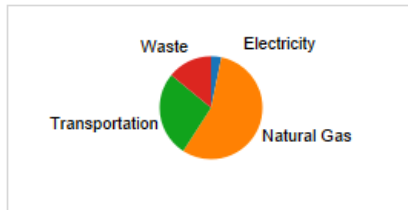
BEEP Methodology



- Uses per-employee emission intensities
- Business License Data, US Census Bureau
- Additional sectors added as CS dataset expands

Digital BEEP Dashboard

Emissions by Business Activity

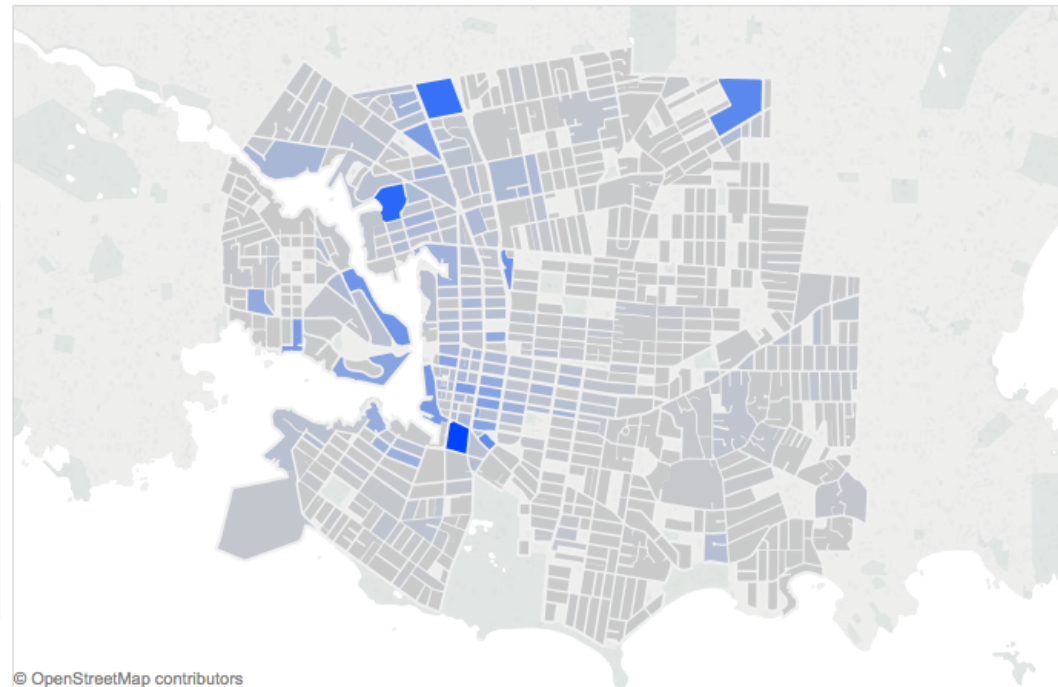


Emissions by Business Sector



Note: Emissions are shown based on the location of the business. For example, a construction business' transportation emissions are shown at their office location and not at the construction sites.

This interactive map shows local business emissions by city block. You can adjust the map by selecting a specific sector, business activity, or business size. You can use either the filters on the right side or the charts on the left side to filter the map.



© OpenStreetMap contributors

Local Business Emissions (tCO2e)



Emissions (tCO2e)

122,700

Activity

- ☒ (All)
- ☒ Electricity
- ☒ Natural Gas
- ☒ Transportation
- ☒ Waste

Industry Sector

- ☒ (All)
- ☒ 23 Construction
- ☒ 31 Manufacturing (Food, Textiles, Lea...
- ☒ 33 Manufacturing (Machinery, Goods, ...
- ☒ 41 Wholesale Trade
- ☒ 44-45 Retail Trade
- ☒ 51-55 Office-Based Businesses
- ☒ 56 Administrative, Support, Waste Ma...
- ☒ 721 Accommodation Services
- ☒ 722 Food Services

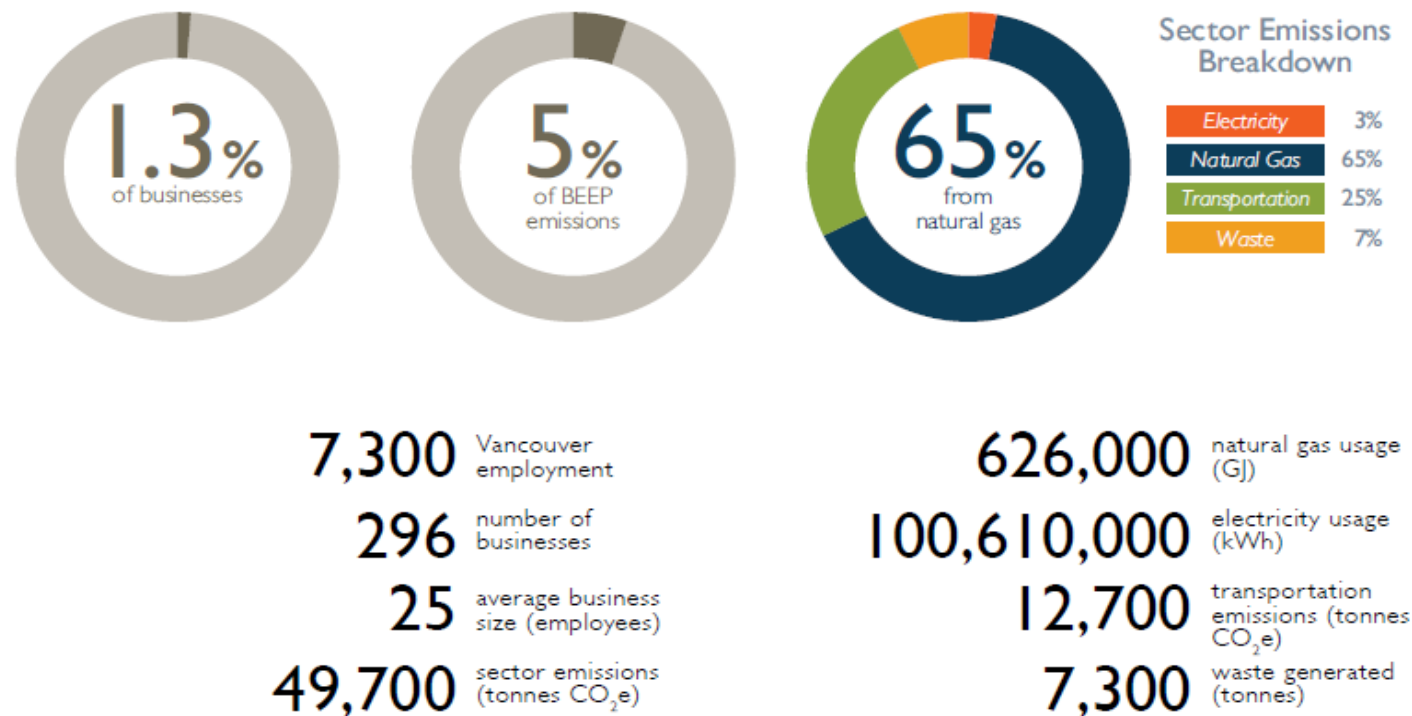
Employee Range

- ☒ (All)
- ☒ 1-5
- ☒ 6-25
- ☒ 26-75
- ☒ 76-150
- ☒ 150+

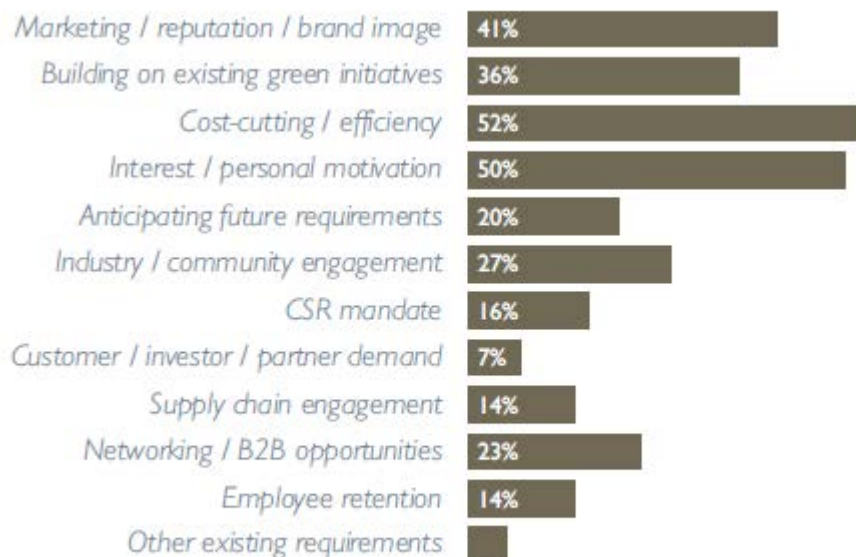


NAICS 31: MANUFACTURING (FOOD, BEVERAGE, TEXTILE, CLOTHING)

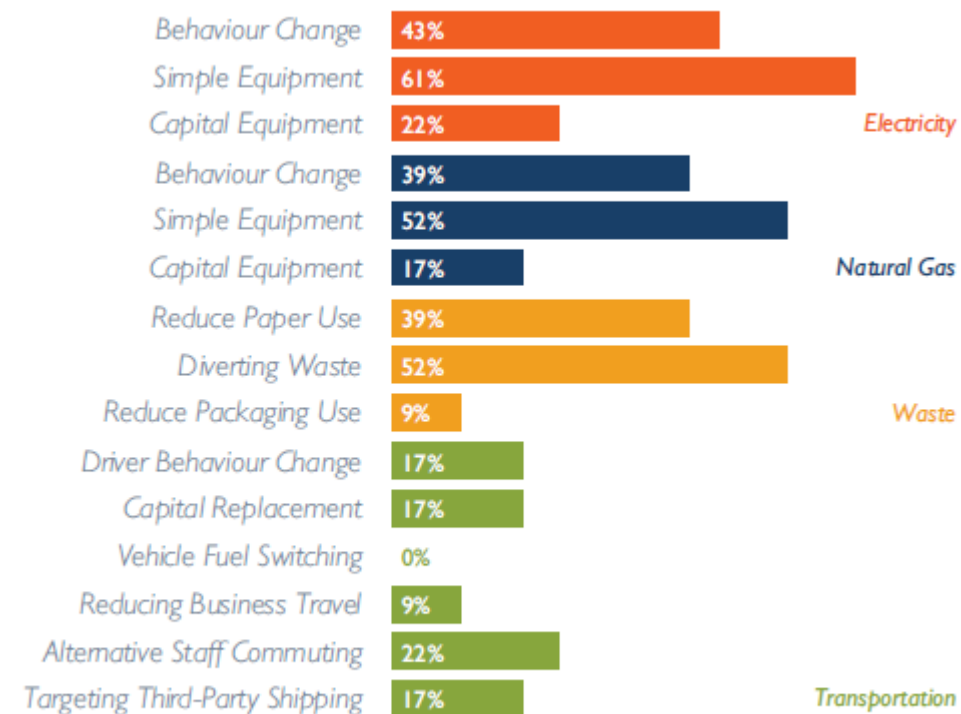
SECTOR PROFILE



Manufacturing Profile: Reduction Strategies

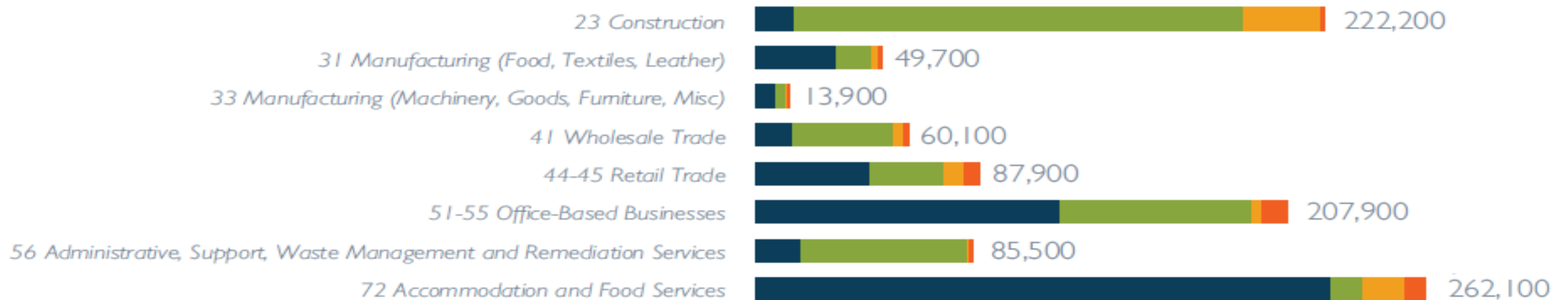


Motivations



Reduction Strategies

Key Insight: Emissions by industry sector



Emissions by NAICS Sector
tonnes CO₂e

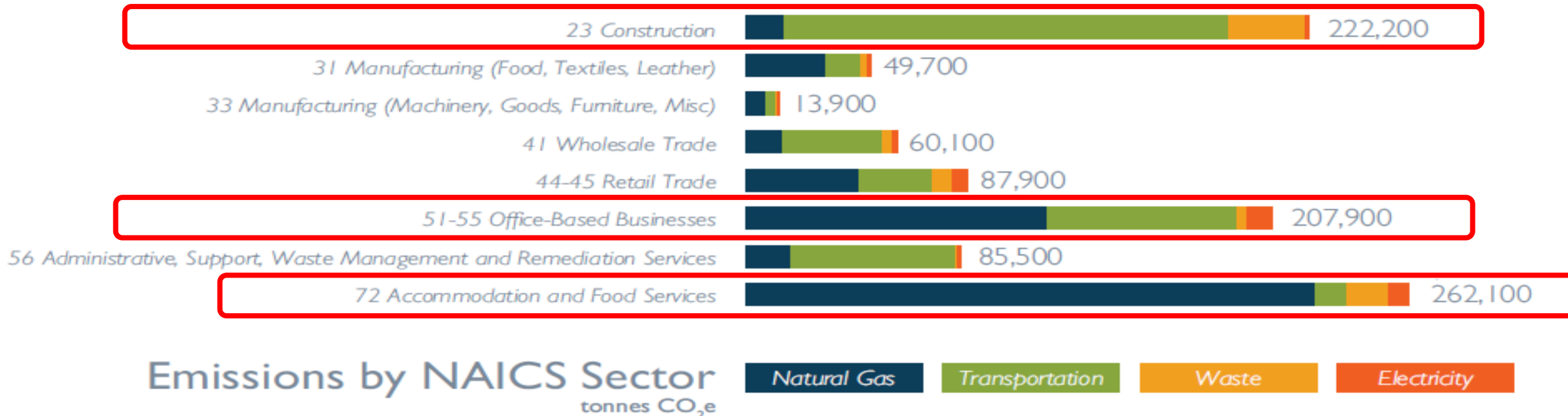
Natural Gas

Transportation

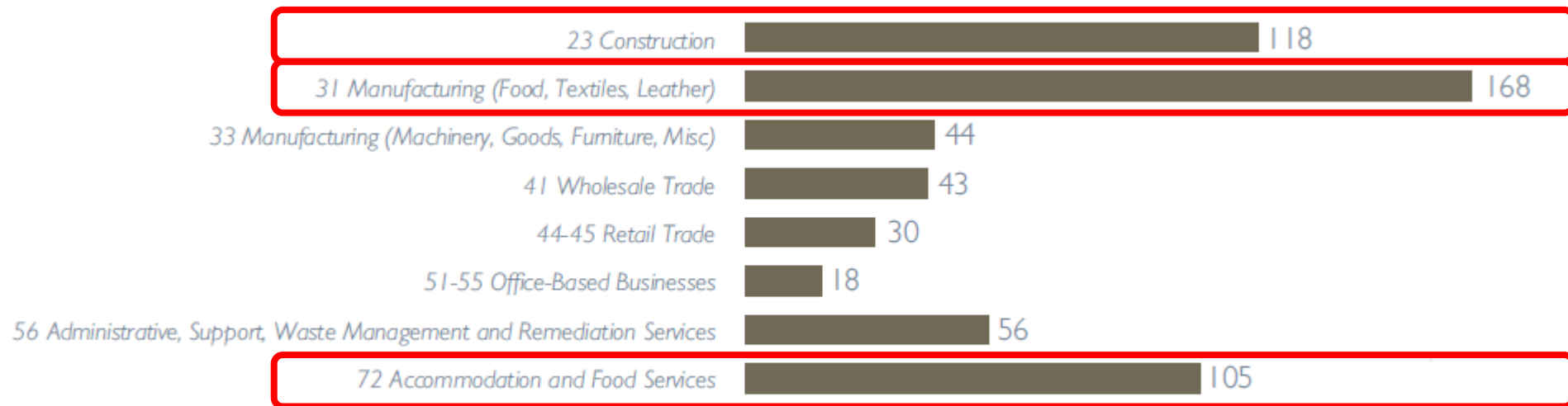
Waste

Electricity

Key Insight: Emissions by industry sector



Key Insight: Emissions per Business



Emissions Per Business tonnes CO₂e

Carbon + Cost Cutting Calculator

CLIMATE SMART HELPS BUSINESSES LIKE YOURS
CUT **COSTS** AND **CARBON**

Enter your business size and sector:

Manufacturing

25-50 employees

Average reductions & savings your business can expect

341

Tonnes of CO₂e emitted



48

Tonnes of CO₂e reduced



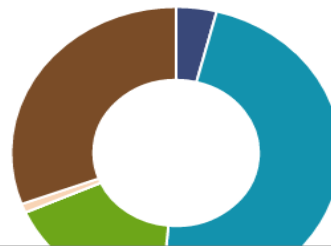
-\$18,967

Annual cost savings



Profile: Food Manufacturer

- Electricity
- Heat
- Company Fleet
- Air Travel
- Business Travel
- Staff Commuting
- Paper



IDENTIFYING OPPORTUNITIES & PRIORITIES

