

A photograph of a man with a beard, wearing a dark blue sweater, driving a bus. He is seen from the side, looking forward. The bus interior is visible, including the steering wheel, dashboard, and a control panel with a keypad. The background shows a blurred view of the road and other vehicles. A blue rounded rectangle is overlaid on the right side of the image, containing the title and speaker information.

What to Measure in Environmental Sustainability?

Donna Bartel
Manager, Environmental Sustainability
Coast Mountain Bus Company

CMBC's EMS

- Started in 2002, based on ISO 14001
- Environmental Policy and Planning Committee
- Aspects and impacts
- Risk assessment
- Policies for Environment, Energy and Idling
- Programs and KPIs

CMBC Environmental Programs

- **Emergency preparedness (spill response)**
- **Waste management**
- **Air Quality & GHG Emissions**
- **Energy management**
- Petroleum, oil and lubricant tank management
- Industrial wastewater management
- Product/project environmental assessment
- Storm water management
- Environmental training
- Auditing
- Wildlife and vegetation

Environmental KPIs

Are we having fewer spills?

**What's the impact of fuel type
on GHG emissions?**

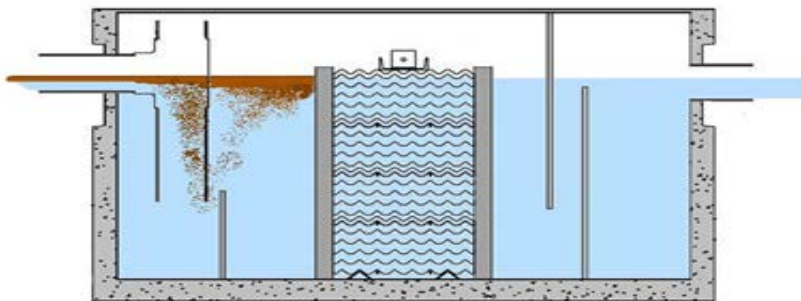
**Are we compliant with
our permits?**

**How much of our waste are we
recycling?**

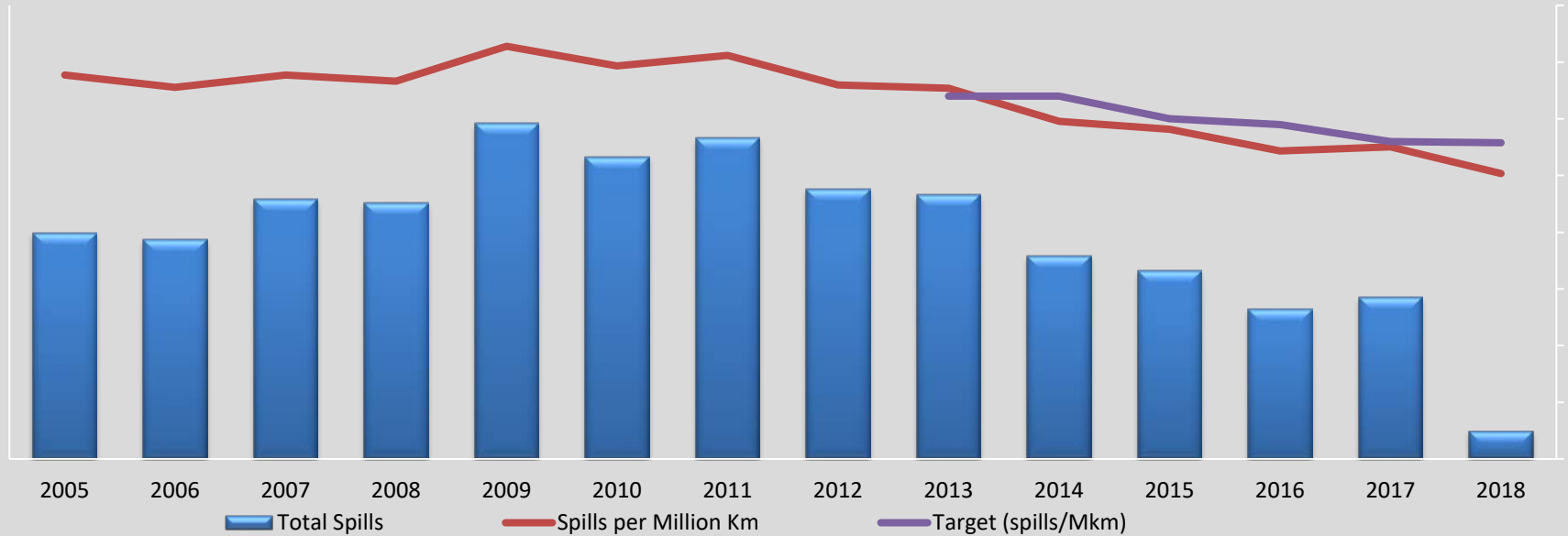
**Did the lighting retrofit
save energy?**

**Are the buses idling more than
expected?**

Emergency Preparedness – Spill Response



Emergency Preparedness – Spill Response



Anti-Idling

Did you know,

Our buses do not need to idle for more 3 minutes before being driven*



The engines used in CMBC's coaches are not designed to idle for extended periods of time. Excessive idling can be damaging to the engine and exhaust system.

Thank you for doing your part in reducing unnecessary vehicle idling

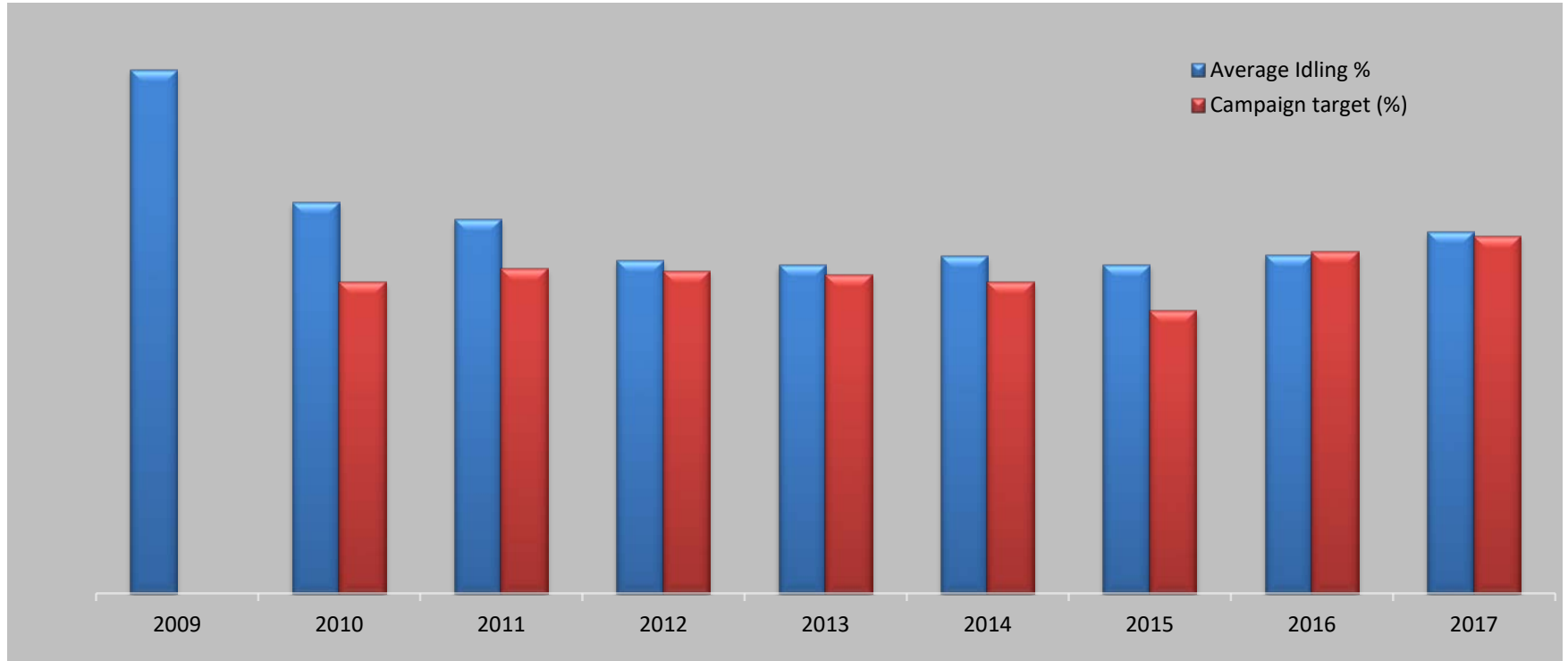


* Some exemptions are in place such as: Idling the vehicle to defog the windows. Please speak to your supervisor if you have more questions.

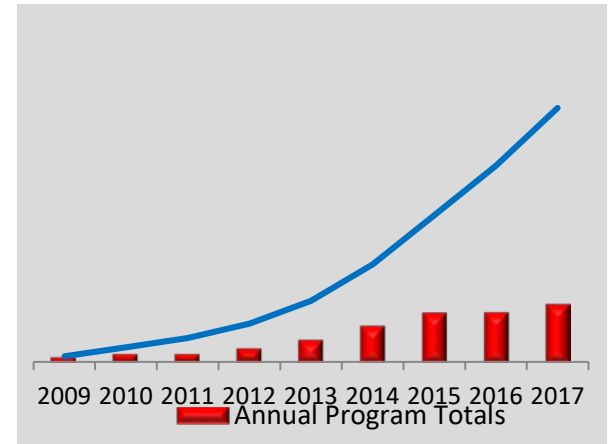
CLEAR THE AIR **REDUCE IDLING**



Anti-Idling



Energy Management

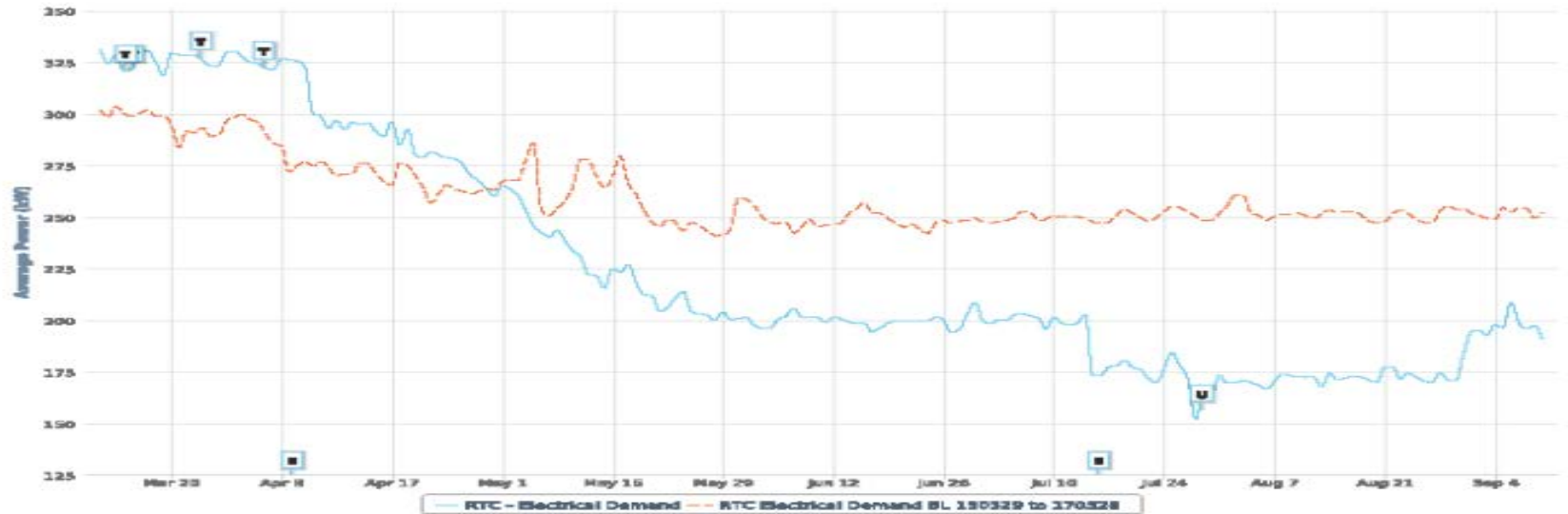


Energy Management

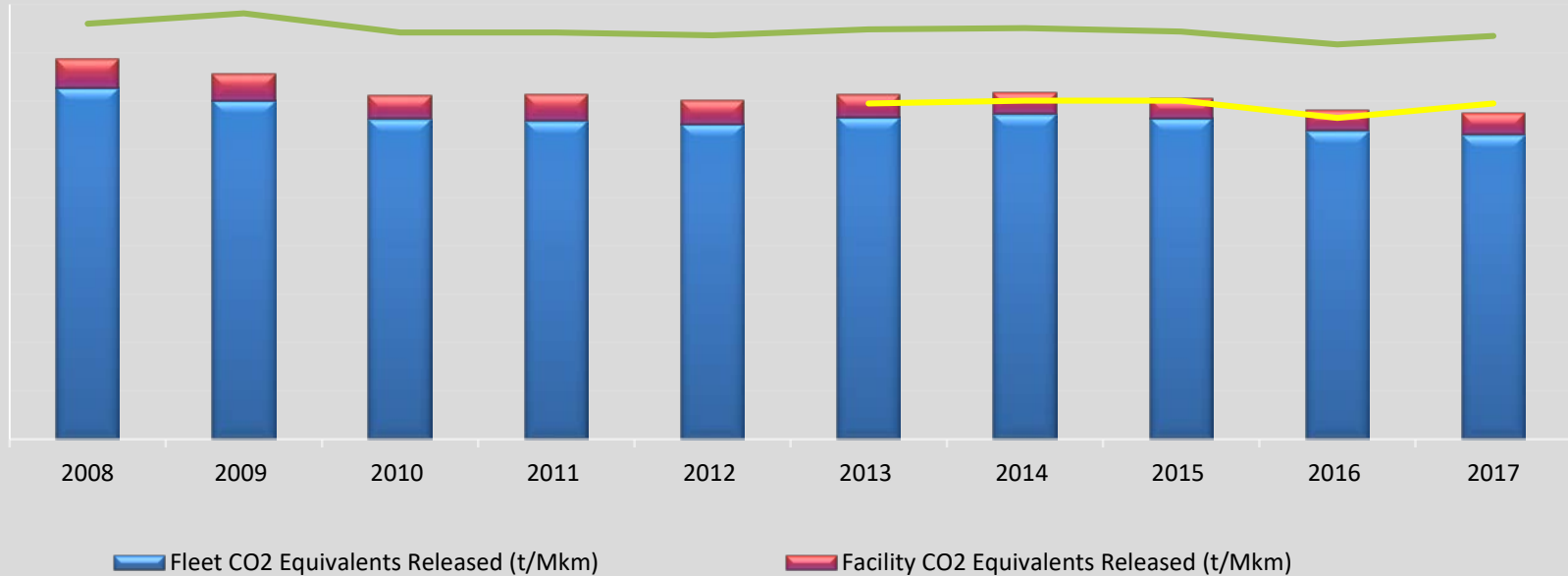


Pulse™ by Pulse Energy

Electrical Demand - RTC



GHG Emissions



Waste Management – Recycling



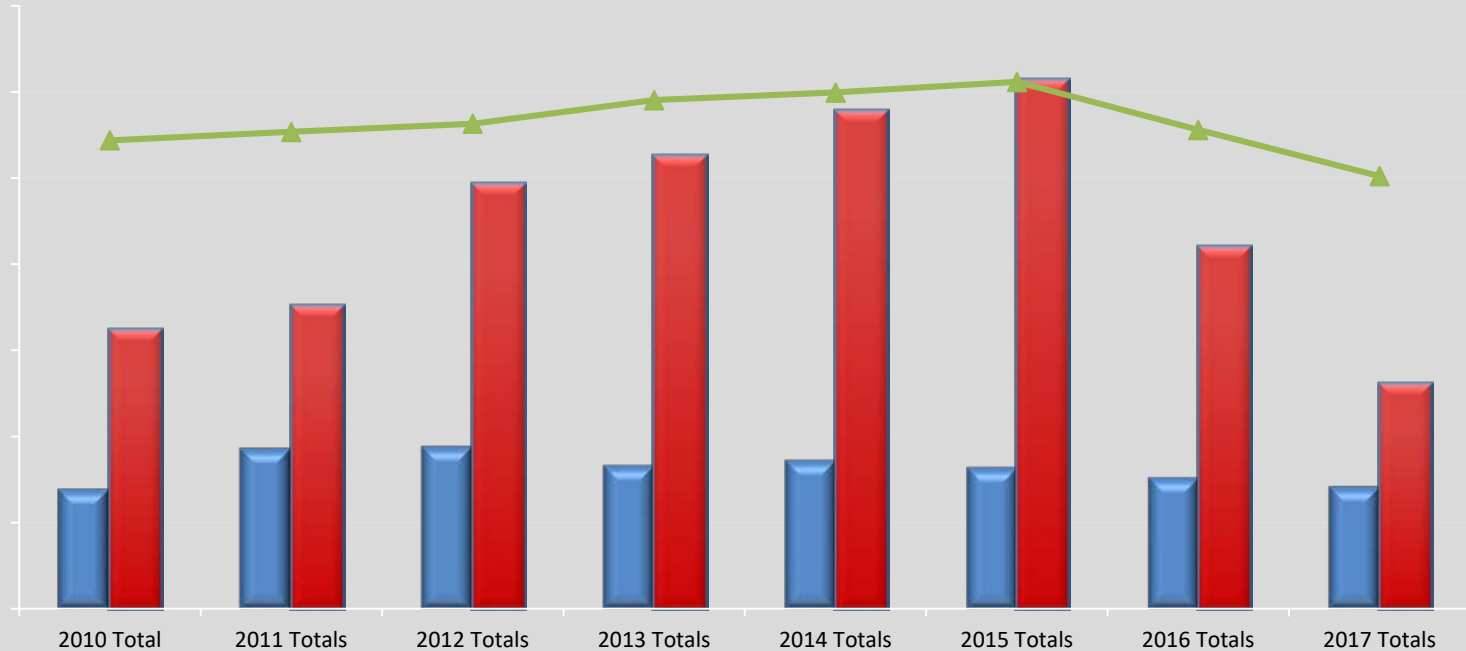
ELECTRONICS

Portable Audio Visual Products	Non-Cellular Phones, Faxes	Computer & Peripherals, Printers	Display Products & Other IT Devices	Cords, Lights, small appliances

FOR FURTHER INFORMATION CONTACT 604-635-0999



Waste Management



■ Tonnes of Garbage Disposed per Million Km ■ Tonnes of Recycling Disposed per Million Km ▲ Diversion Rate

Setting Objectives & Targets



Reporting KPIs

Internally

- Local environment committees
- Senior/executive management
- EPPC
- CMBC Board
- TransLink Board

Externally

- TransLink's Accountability Report

Summary

- Aspects and impacts
- Risk assessment
- Set targets
- Monitor
- Anomalies
- Report
- Repeat = Continual improvement



Thank you!

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