



WELCOME!

Goals for today:

1. How to achieve substantive GHG emissions reductions in the public sector?
2. How can CAS best facilitate for the “biggest bang for our buck”?
3. Lead to a “roadmap” for setting priorities
4. Provide info on various reduction technologies

A few introductions....

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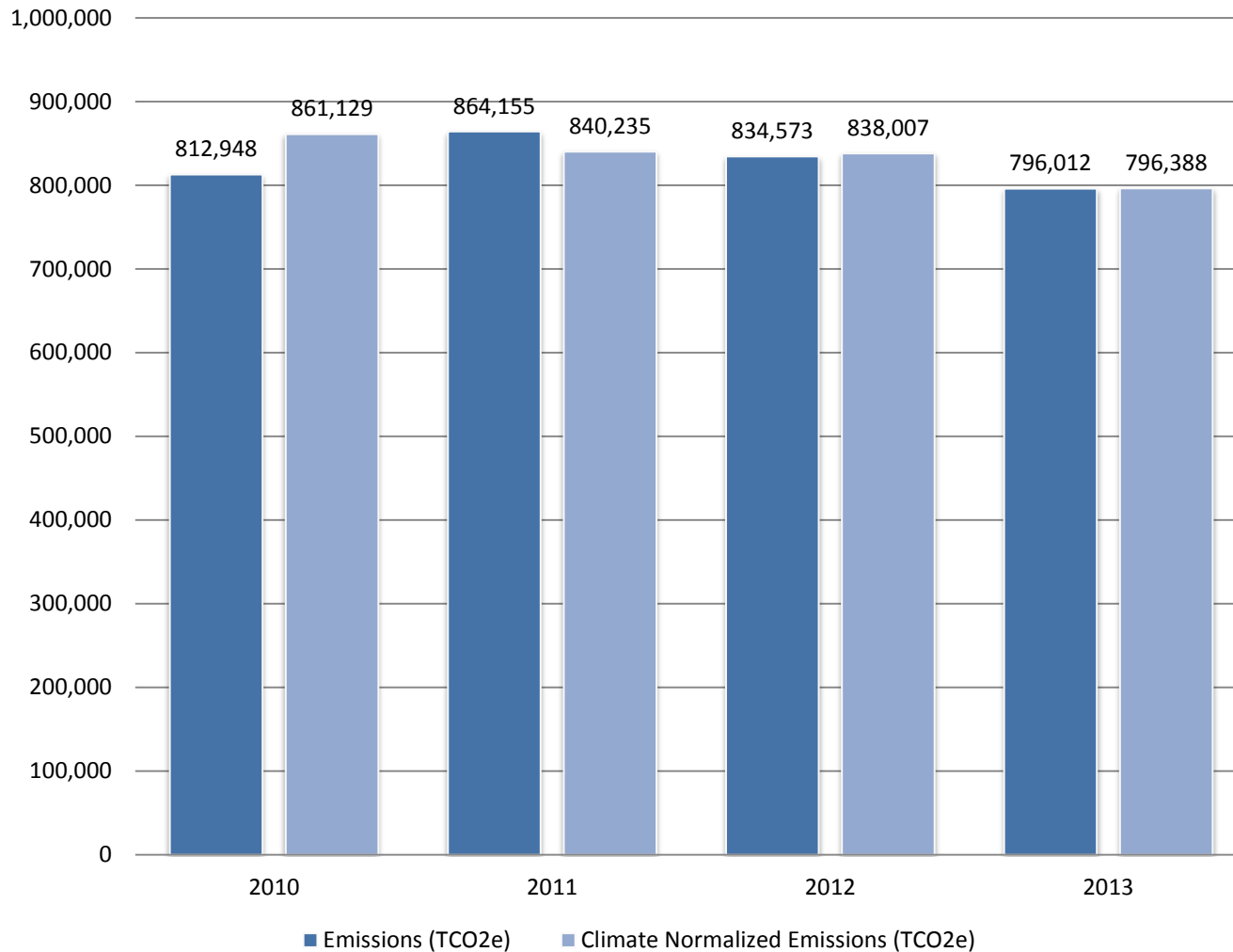
How do we get to substantive reductions?

CNG evolution...

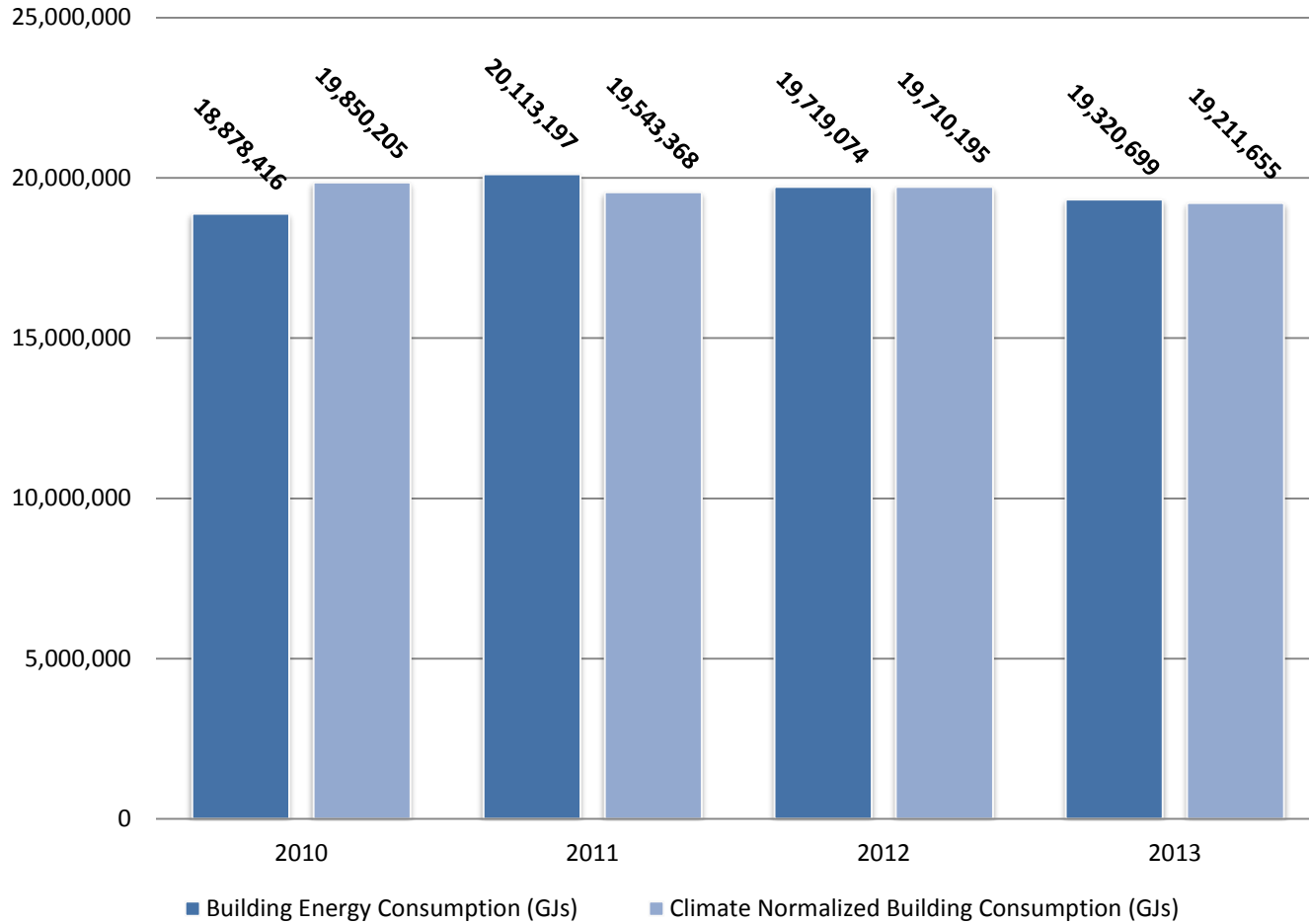
What happened to the “Reductions Guide”?

.....So, lets looks at a few numbers

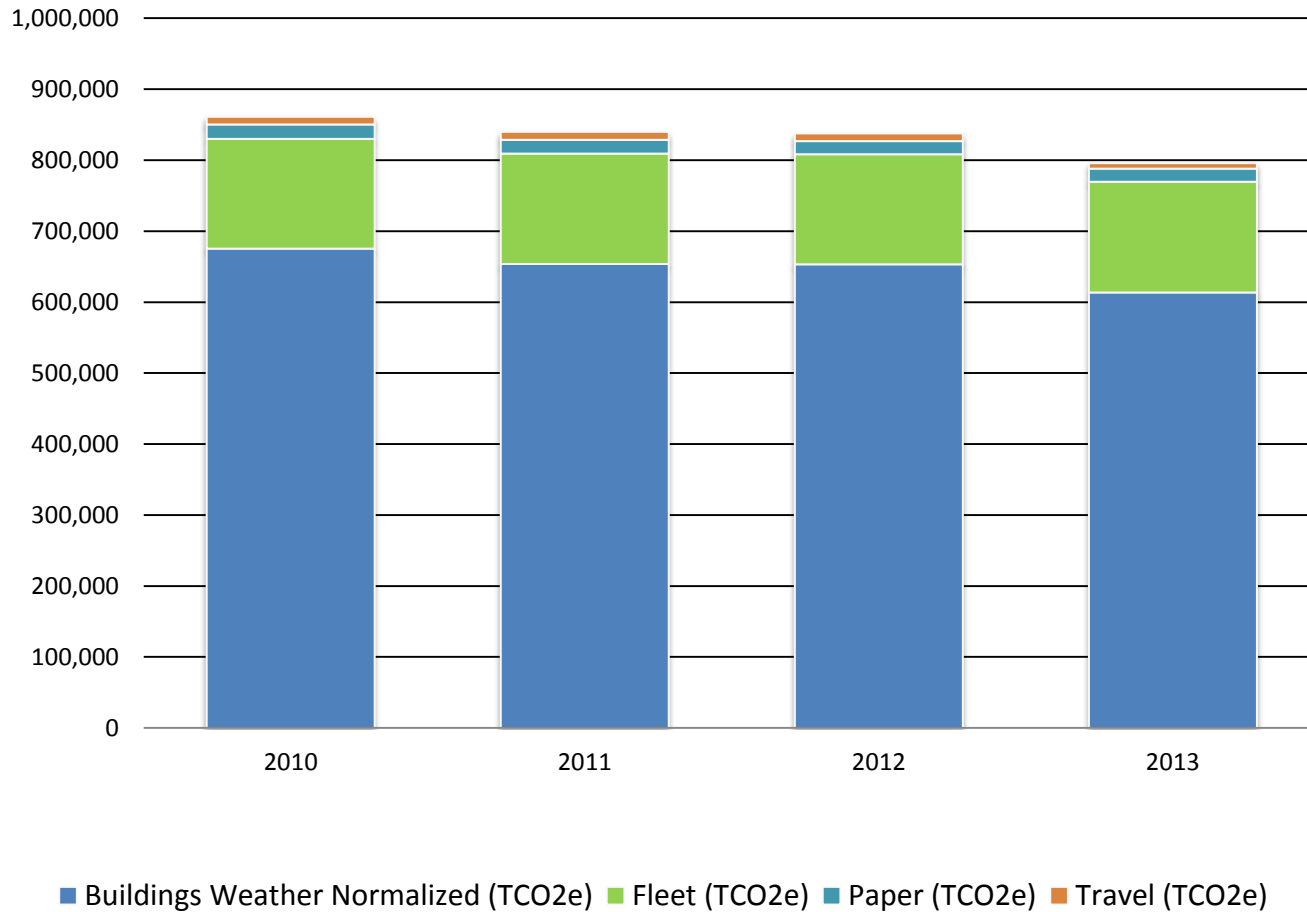
Public Sector Emissions from 2010-2013



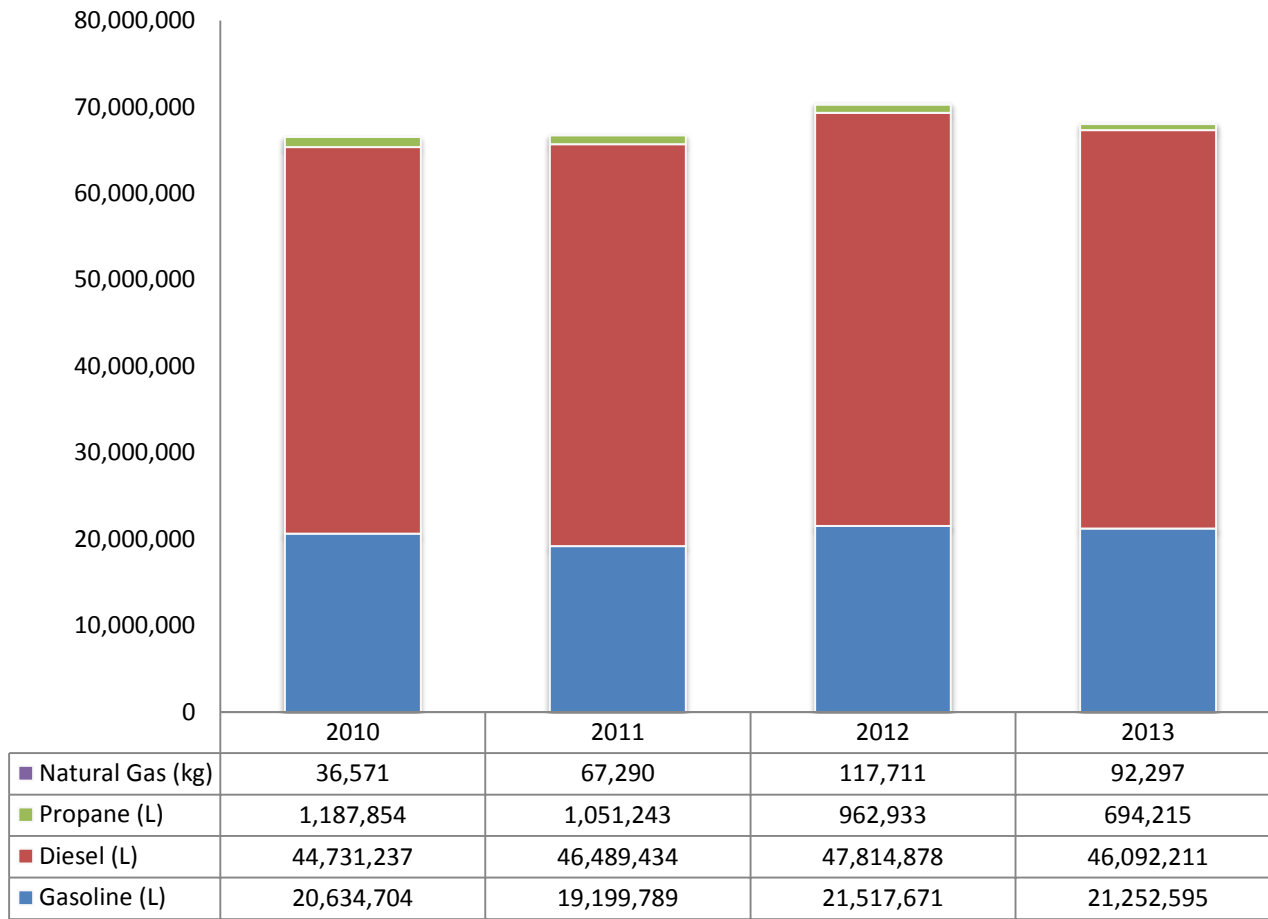
Public Sector Building Energy Consumption



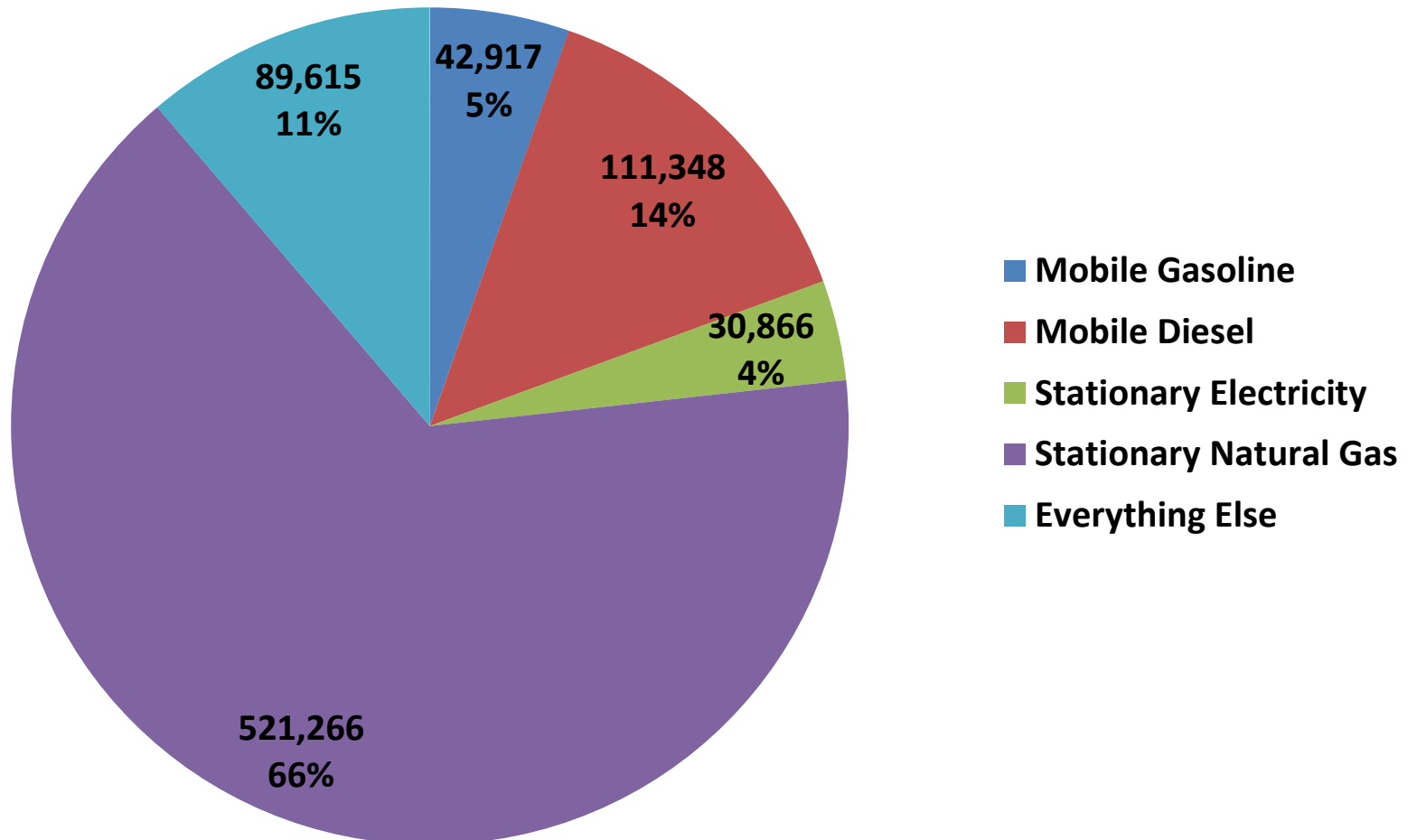
Emissions by Scope, Normalized, 2010 - 2013



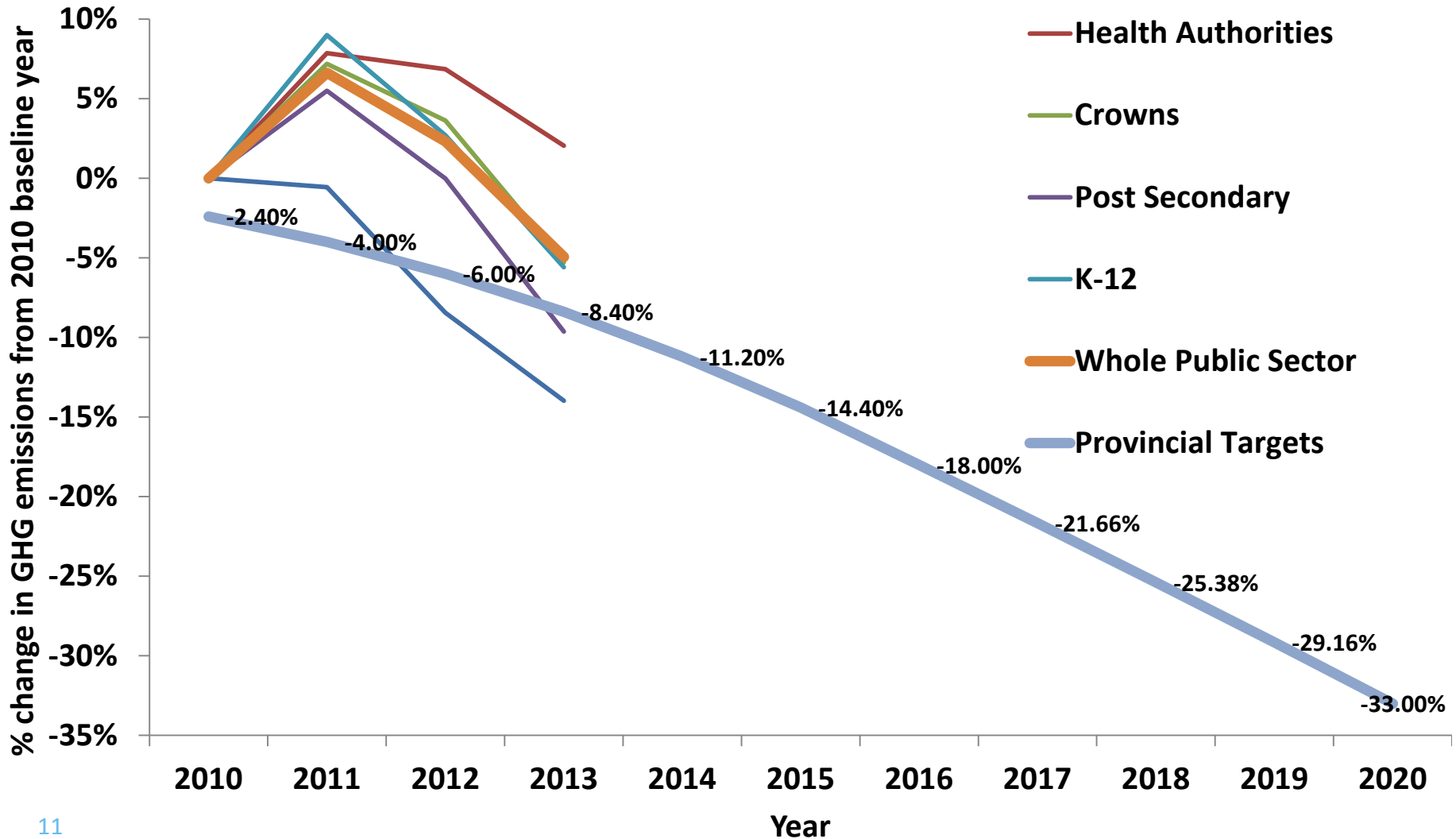
Public Sector Fleet Fuel Consumption 2010 - 2013



Emissions for the Public Sector in TCO2e



Progress in GHG Reductions



So how do we get greater reductions?

- Natural gas – efficiencies, reductions
- Diesel
- Marine diesel, heating oil

- **Our current path won't get us to 33%**
- **CNCP \$ help, but only for small projects**
- **Some organizations have made substantive reductions already**

First Question is;

- **Are your systems working correctly?**

- **DDC, controls, monitoring**
- **Can be up to 15% improvement**

- **End of life cycles?**
- **New efficient boilers?**

- **Or...**

Alternatives:

- **Biomass**
- **Solar PV**
- **Heat Pumps**
- **District Energy**

Other factors to consider:

- Can we work with local governments?
- What is the capacity to undertake these initiatives?
- Are energy studies adequate?
- What can we accomplish with CNCP \$\$?

How can CAS best facilitate?

- Procurement
- Reductions Guide
- Funding
- Targeted approach

Procurement opportunities: LED Street Lights Across B.C.

Province, BC Hydro Power Smart and local governments collaborating to offer suite of tools and services to assist with the adoption of LED Street Lights.

- Guidance document - "How to Purchase"
- Financial Evaluation Tool - calculate pay back period and report for a business case
- Provincial Corporate Supply Arrangement
 - Access to pre-qualified lighting design consultants for Public Sector Organizations
 - Access to pre-qualified LED roadway lighting products
- Case studies, workshops and online training

Reductions Guide

- **Guide to help PSOs with types of reductions, potential for reductions, successful projects done by others, resources, funding opportunities**

Funding

- **Identify funding sources**
- **Treasury Board submission**
- **Capital Asset Management framework**
- **??**

Targeted Approach

- **Set targets for all PSOs**
- **Set targets for sectors**
- **Set targets based on ownership**
- **Set targets based on energy source**

Feedback required!!