

# CANADIAN STANDARDS – A BALANCING ACT

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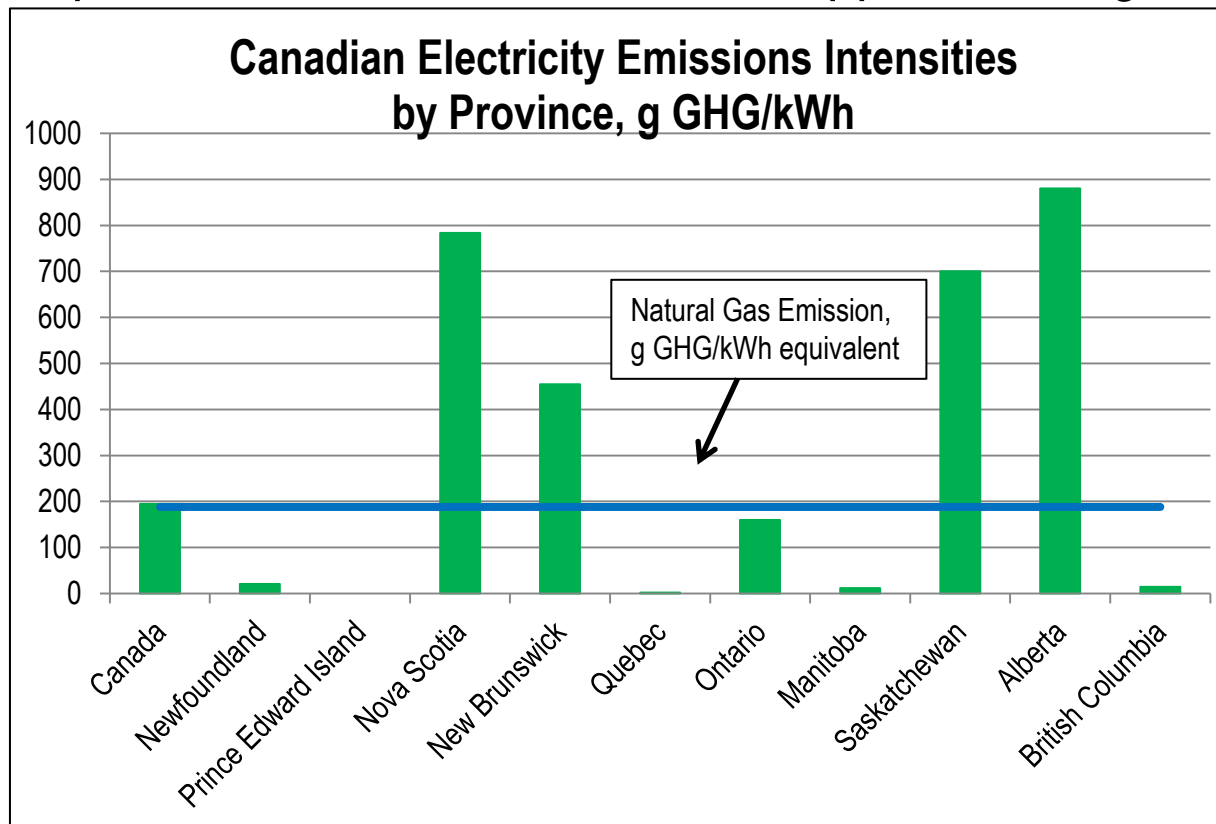




- Canada shares **safety standards** with US & has **provincial regulators** for appliance **safety standards & installation codes**
- **Federal government** regulates **appliance efficiency** for products crossing provincial & international borders
- **Individual provinces** regulate **appliance efficiency** for product made and sold within province
- Most appliances manufactured outside province where sold so **federal regulations dominate**
- Federal government regulates on point-of-use efficiency - intends to change the market – proposing EF 0.8 minimum regardless of heater size or type
- Safety & Efficiency regulators often have **different & conflicting objectives**



- Full fuel cycle analysis often proposed to support use of gas over electricity
- Canadian power emissions often do not support that argument



- New mechanism for **coordinated gas industry** action in Canada
- Mandate to **develop new technologies** and industry research
- Will also **support standards initiatives** such as thermal metering initiative to support district energy/cogeneration projects
  - Intend to work with regulators & industry partners to produce standards & regulation that will support thermal metering & billing in Canada
- Other research initiatives under development:
  - Micro cogen demonstration
  - High efficiency residential water heater field test

- CSA, national fuels standards agency formed new **Fuels Energy Efficiency Committee**
- **Balanced matrix** committee with natural gas, oil & wood interests
- Includes national & provincial regulators, utilities, trade associations & independent members
- Responsible for efficiency & performance-related standards for **gas, oil & wood**
- Challenges include **harmonization with US** requirements, requirements of multiple regulators vs **utility DSM** interests & trade association objectives



- Canadian gas utilities balance;
  - **Desire to be seen as environmental stewards –**
    - therefore want to support regulator drive for increased efficiency through efficiency standards & regulation
  - **Desire to operate successful DSM programs –**
    - which requires a balance between regulated minimum efficiency and high efficiency appliances, but still requires reliable efficiency standards
  - **Protecting market share –**
    - Prevent over-zealous regulation & fuel switching resulting from narrow regulator view of energy issues
  - **Helping residential & commercial customers make wise energy decisions –**
    - By providing accurate information – “advisor of choice”



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