



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

Canada



Clean Fuel Standard

Renewable Fuels Forum
Ottawa, October 2017

Context

- **Pan-Canadian Framework (PCF)**
 - on Clean Energy and Climate Change, announced by First Ministers, December 2016
- **Clean Fuel Standard**
 - part of PCF, announced by Minister McKenna, November 2016
 - To achieve 30 MT reductions from lower carbon fuels
 - Discussion Document published in February 2017

Principles

- Incremental to current measures
- Broad coverage:
 - Fuels used in transportation, industry and buildings
 - Liquid, gaseous and solid fuels
- Based on:
 - Reducing carbon intensity
 - Lifecycle approach
- Flexibility for fuel suppliers
- Drive innovation, clean technology, lower carbon and alternative fuels
- Market-based approach
- Lay foundation to reach 2050



CFS Discussion Document

- Regulated party: fuel supplier (producer, importer, distributor)
- Carbon Intensity (CI) Reductions by fuels supplied in a given year:
 - Carbon intensity = carbon emitted relative to amount of energy in fuel consumed (e.g. grams of CO₂ per megajoule)
- CI calculated using lifecycle approach: cradle to grave
- Reductions of approximately 10-15% by 2030 are being considered
- Compliance – variety of mechanisms to provide flexibility



CFS Discussion Document

Fuels Covered

- Fuels used in Transportation:
 - On-road and off-road sources
 - Rail, marine and aviation
- Fuels used in Industry
 - a broad range of liquid, solid and gaseous fuels
- Fuels used in Buildings
 - residential, commercial and institutional buildings using fuel for space heating and generating power



Consultation and Regulatory Process (1)

- November 2016
 - Minister McKenna announcement
- February – April 2017
 - Release of Discussion Paper
 - Subsequent workshops and webinars across stakeholders
- April 2017
 - Deadline for written comments, over 125 submissions
- Fall 2017
 - Release of summary of written comments



Consultation and Regulatory Process (2)

- End-Fall 2017
 - Release of proposed Regulatory Framework
- End-Fall 2017 – Winter 2018
 - Establish Multi-stakeholder committee / technical working groups
 - Work on regulatory proposals and technical issues with the Multi-stakeholder committee and working groups
 - Develop draft regulations
- Mid-2018
 - Publication of proposed regulations, Canada Gazette Part I
 - 2018 Consultations on draft regulations and final drafting
- 2019
 - Publication of final regulations, Canada Gazette Part II



Contacts

- **Information**

- Clean Fuel Standard webpage: <https://www.ec.gc.ca/energie-energy/default.asp?lang=En&n=EB5AAF7C-1>
- Google Drive with consultation documents:
 - https://drive.google.com/drive/folders/0B5INNz63xpM_eE3Y0hSandLSWs
- Clean Fuel Standard email: ec.cfsncp.ec@canada.ca

- **Contacts**

Oil, Gas and Alternative Energy Division:

- Cam Carruthers, Executive Director Cam.carruthers@canada.ca
- Lynne Patenaude, Manager, Fuels lynne.patenaude@canada.ca
- Lorri Thompson, Head, Fuels Regulatory Development lorri.thompson@canada.ca