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# Renewable and Low Carbon Fuel Requirements Regulation

Michael Rensing  
Manager, Renewable and Low Carbon Fuels

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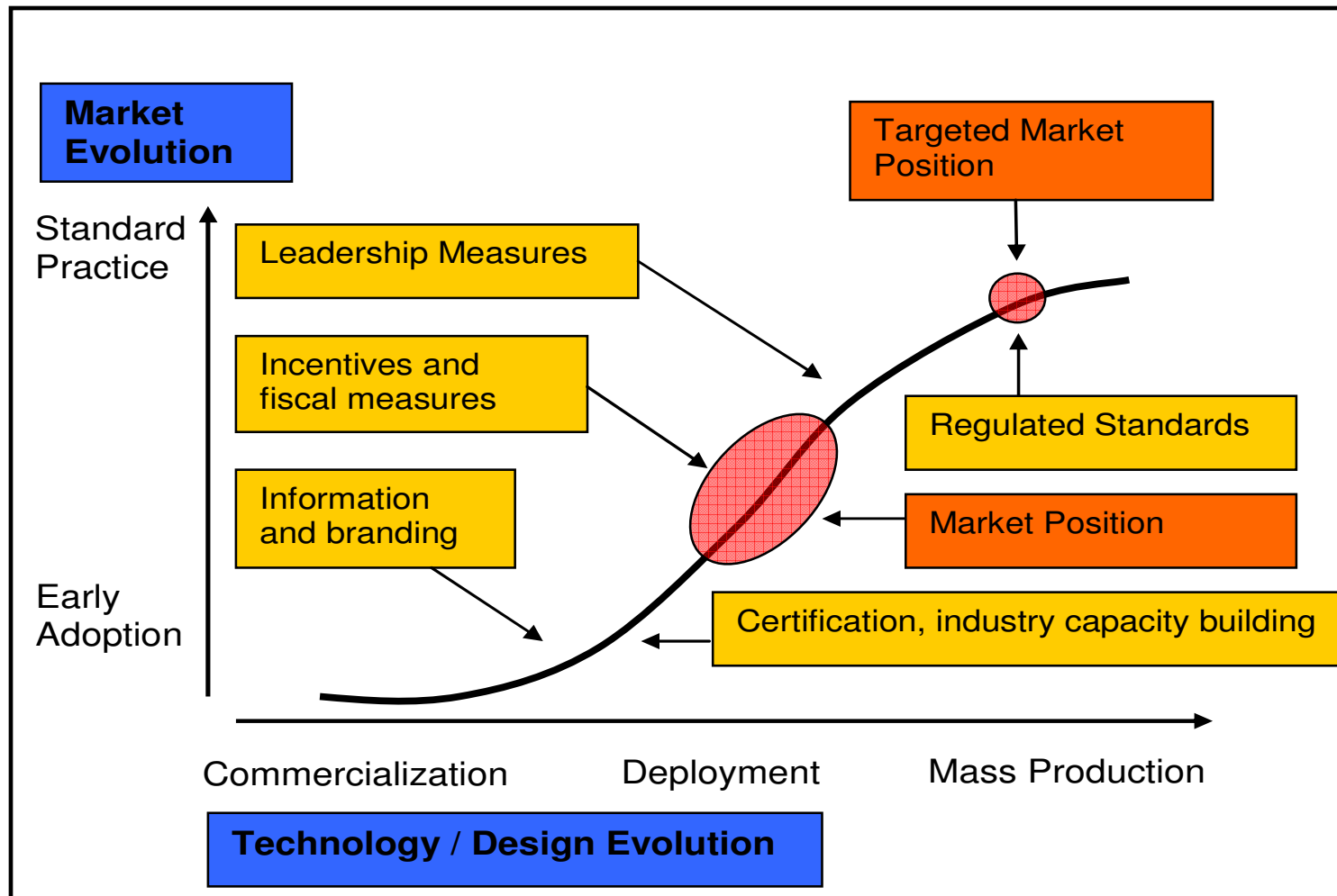


# Legislation

- **Greenhouse Gas Reduction Targets Act**
- **Greenhouse Gas Reduction (Renewable and Low Carbon Fuel Requirements) Act**
  - Renewable and Low Carbon Fuel Requirements Regulation
- **Greenhouse Gas Reduction (Emissions Standards) Statutes Amendment Act (2008):**
- **Greenhouse Gas Reduction (Cap and Trade) Act**
- **Carbon Tax Act**
- **Greenhouse Gas Reduction (Vehicle Emissions Standards) Act**



# Market Transformation





# History

- 2007 BC Energy Plan
- 2007 MoU with California
- 2008 *Greenhouse Gas Reduction (Renewable and Low Carbon Fuels Requirements) Act*
- 2008 Renewable Fuel Requirements Regulation
- 2009 Renewable and Low Carbon Fuel Requirements Regulation
- January 1, 2010 Regulation comes into force



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## Who is Regulated in BC?

- All fuel producers and importers
- The supplier who agrees in writing
- Consumers are not affected



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## What Fuels are Regulated in BC?

- Gasoline and diesel fuel when used for transportation
- Natural gas, propane, ethanol, biodiesel and electricity when used for transportation
- The Regulation does not apply to imported fuel in the tank of a vehicle when that fuel is used to power the vehicle



# Renewable Fuel Standards across Canada

	BC	AB	SK	MB	ON	Federal
Renewable requirement	Y	Y	Y	Y	Y	Y
Low carbon requirement	Y	Y	N	N	N	N
Gasoline-class fuel	5%	5%	7.5%	8.5%	5%	5%
Diesel-class fuel	4%	2%	2%*	2%	n/a	2%
GHG reduction	10% average reduction for all fuel	Renewable content must be 25% under equivalent petroleum fuel	n/a	n/a	n/a	n/a



# Where Will BC's Renewable Fuel Come From?

- In the near-term: Canadian and international suppliers
- In the longer-term: Demand will encourage the development of new suppliers in Canada and BC
- Flexibility provided by the provincial annual average requirement



## Results of 2010 Reporting Year – Major suppliers

	Total fuel supplied (Litres)	Renewable fuel supplied (Litres)	Percent renewable content
Gasoline	4,760,228,028	301,084,967	6.33%
Diesel	3,026,771,175	95,758,137	3.16%
Total	7,786,999,203	396,843,104	5.10%



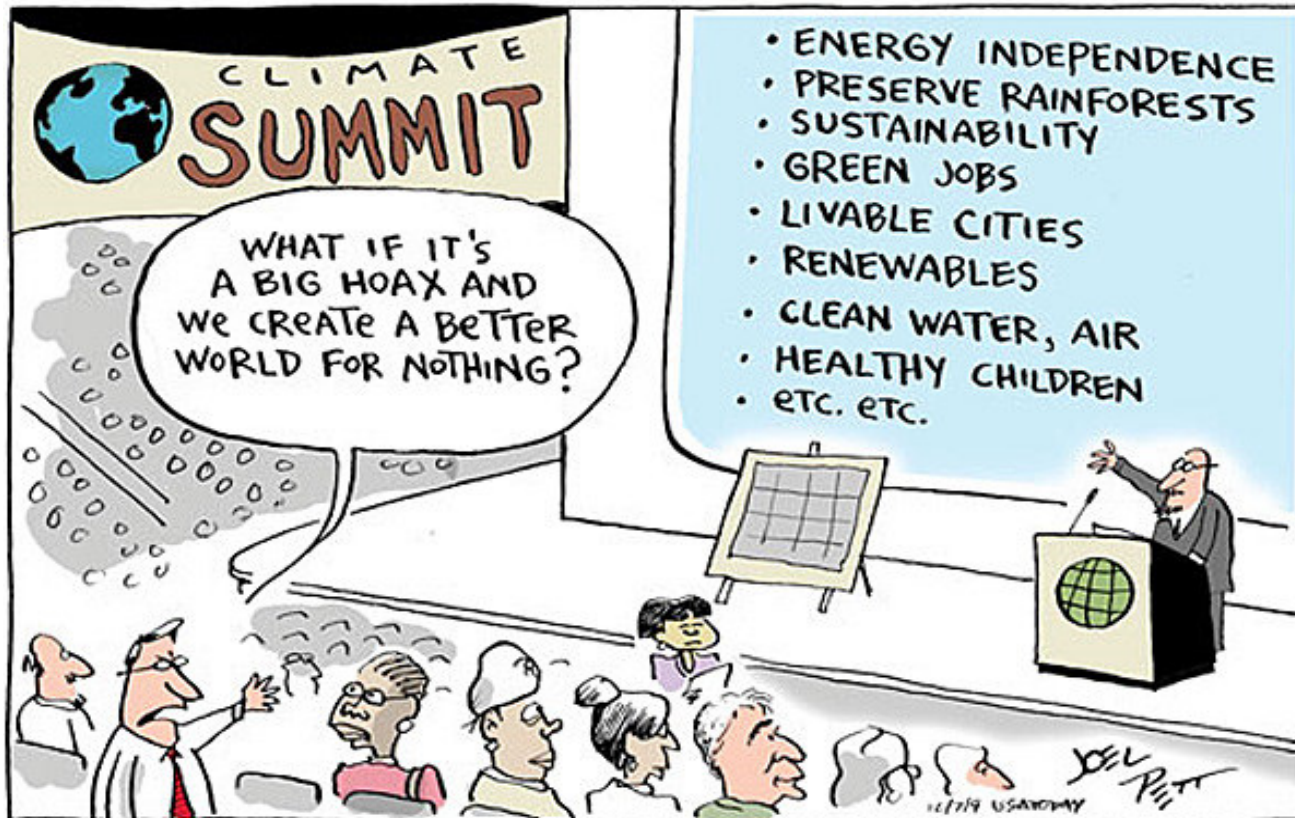
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# Challenges

- Carbon Intensity Baselines
- Sustainability/Indirect Land Use Change (ILUC)
- Gasoline to Diesel Ratio
- Credit Trading
- New Fuels
- Compliance Pathways



Michael Rensing

[Michael.Rensing@gov.bc.ca](mailto:Michael.Rensing@gov.bc.ca)

<http://www.empr.gov.bc.ca/RET/RLCFRR>