



# Greenhouse Gas Roundup

**ELC Webinar**

**12:00pm, February 10, 2010**

**Adam Driedzic**

Staff Counsel





**Since 1982**

**Registered Charity**

**Edmonton-based**

**Alberta-wide**

Alberta **LAW**  
**FOUNDATION**



Water

Land Use

→ Climate Change ←

Cumulative Effects

Info-Education

Public Participation



**“baseline”**



**“target”**



**“plan”**

**“Offsets”**



**“intensity”**

**vs.**

**“absolute”**

**“reporting” vs. “reduction”**

**“compliance” vs. “enforcement”**

**Baseline**

**→ Target**

**→ Plan:**

**Reporting**

**Reduction**

- **Intensity or absolute?**
- **Offsets?**

**Compliance**

**Enforcement**

# REGULATION



Education

voluntary

market

state

court



**INCENTIVE**

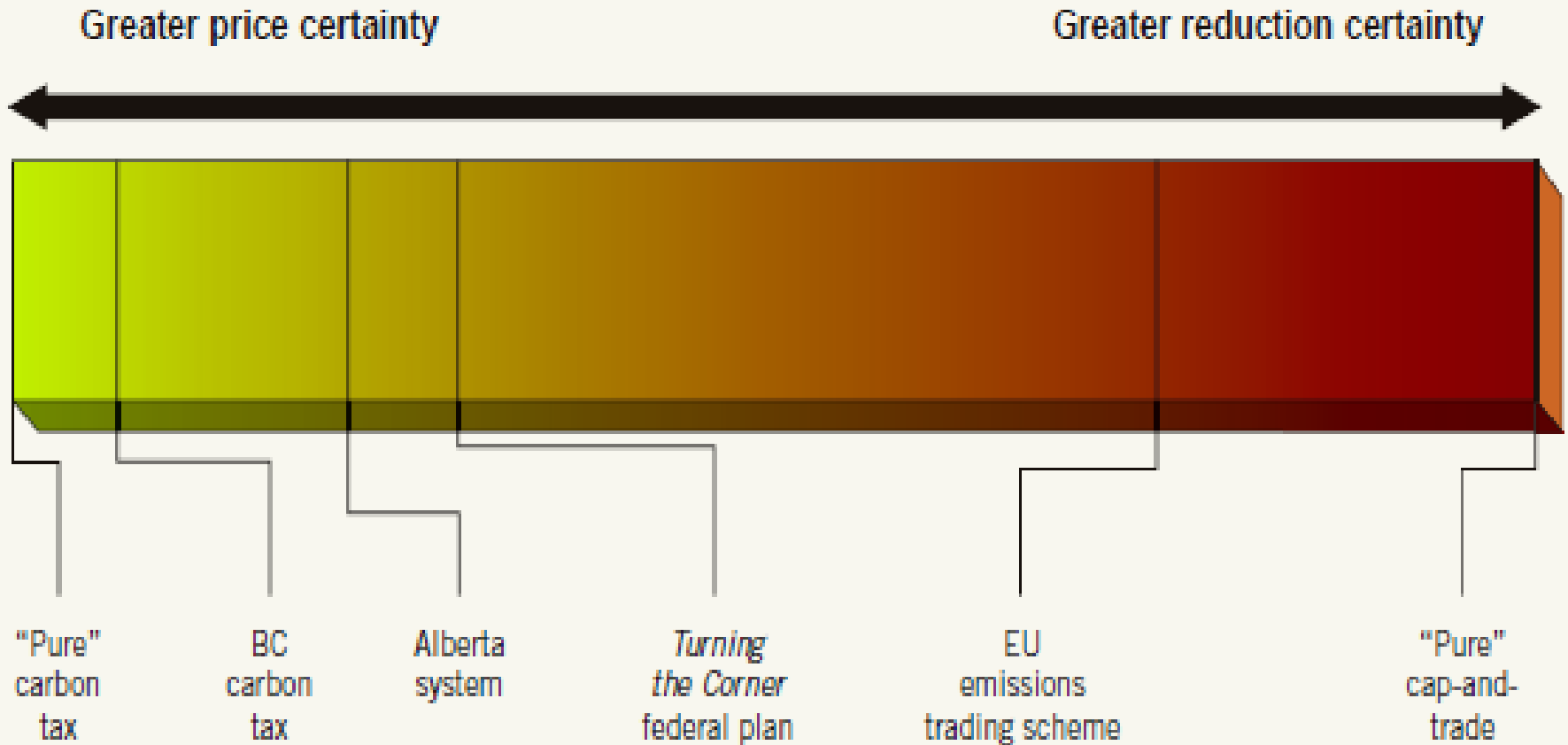
**Carbon capture grant**  
**Green energy fund**

**CHARGE**

**Carbon tax**

**Cap and Trade**

# "CARBON PRICING"



# “COMMAND & CONTROL”

**PROHIBITION → PENALTY**

**CONDITION → CONSEQUENCE**

- Force disclosure
- Declare health risk
- Fuel standard
- Environmental assessment
- Authorization condition
- Protected area



**COURT**



**STATUTE**

**Force action**

(Friends of the Earth)

**Stop authorization**

(Kearl oil sands)

(Alberta clipper)

(Aussie coal mines)

**Control industry**

**COMMON LAW**

**Private tort**

(Hurricane Katrina)

**Public Nuisance**

(Alaska Natives)

**Private Agreement**

(Shell oil sands)

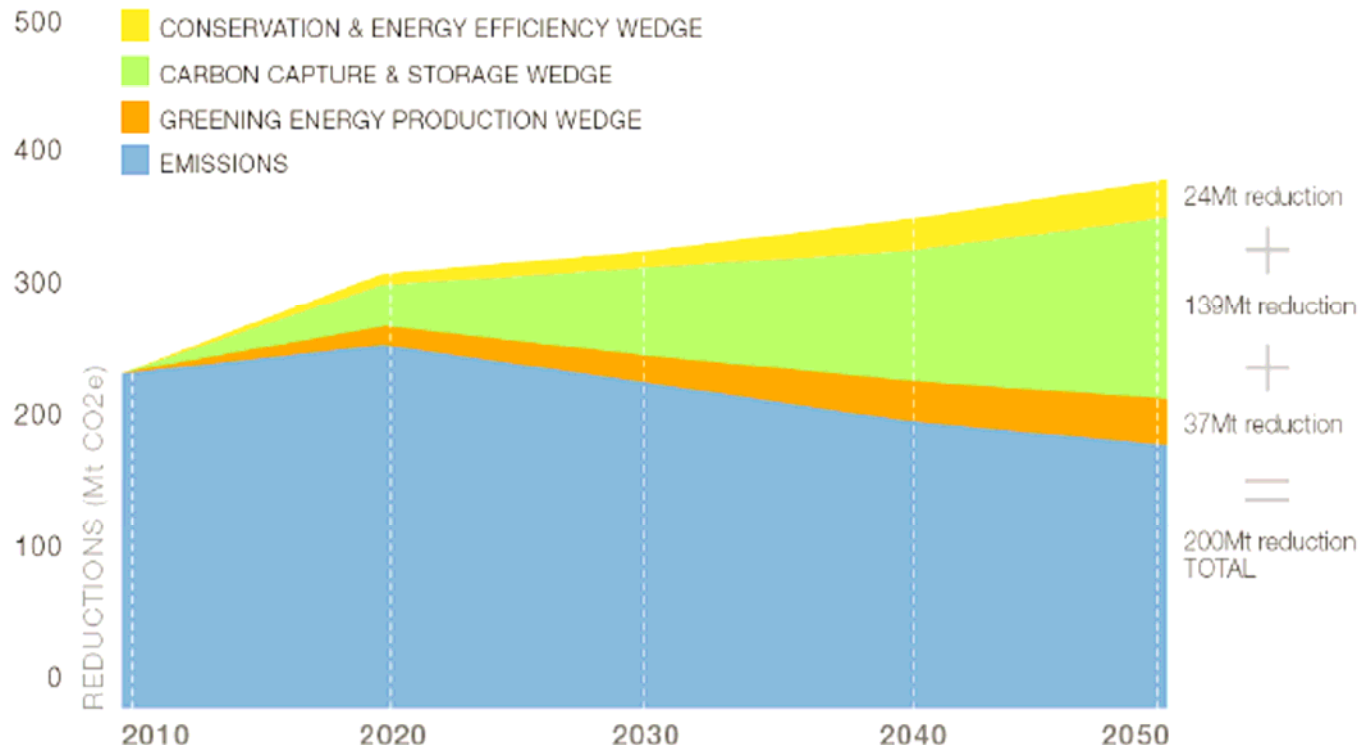
**HUMAN RIGHTS**

(no cases)

**SHAREHOLDER**

(no cases)

# Alberta's 2008 Climate Change Strategy



# *Climate Change and Emissions Management Act*

## ***Specified Gas***

### **Emitters Regulation**

100,000 tonnes

## ***Specified Gas***

### **Reporting Regulation**

50,000 tonnes

### **Targets:**

1. Intensity now / hard later
2. Fixed process exempt
3. “Existing” v. “new” (2000)

### **Compliance:**

1. Improve efficiency
2. Pay to fund - \$15 / tonne
3. Trade with regulated facility
4. Buy outside offset in Alberta

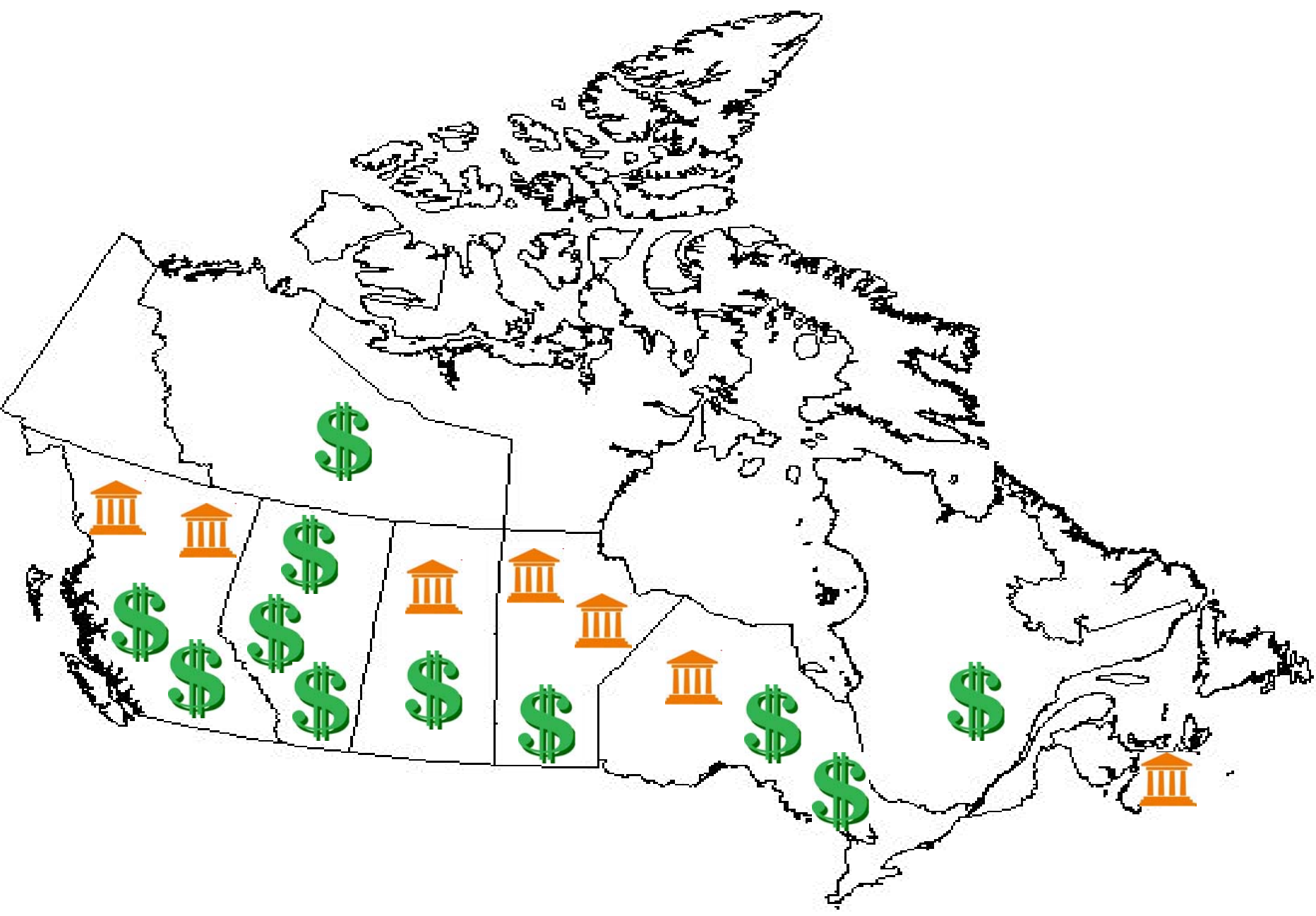
### **No Targets:**

Inventory only

### **Compliance:**

1. March 31, 2010

**Enforcement: Fines**





# Turning the Corner

proposed

## Reduction Regulation

Major industries

### Targets:

1. intensity now / hard later
2. Fixed process exempt
3. "Existing" v. "new" (2004)

### Compliance:

1. Improve efficiency
2. Pay to fund - \$15 / tonne - or direct
3. Trade with regulated facility
4. Buy outside offset in Canada
5. Kyoto CDM
6. Credit for Early Action

CEPA

## Reporting Regulation

50,000 tonnes

### No Targets:

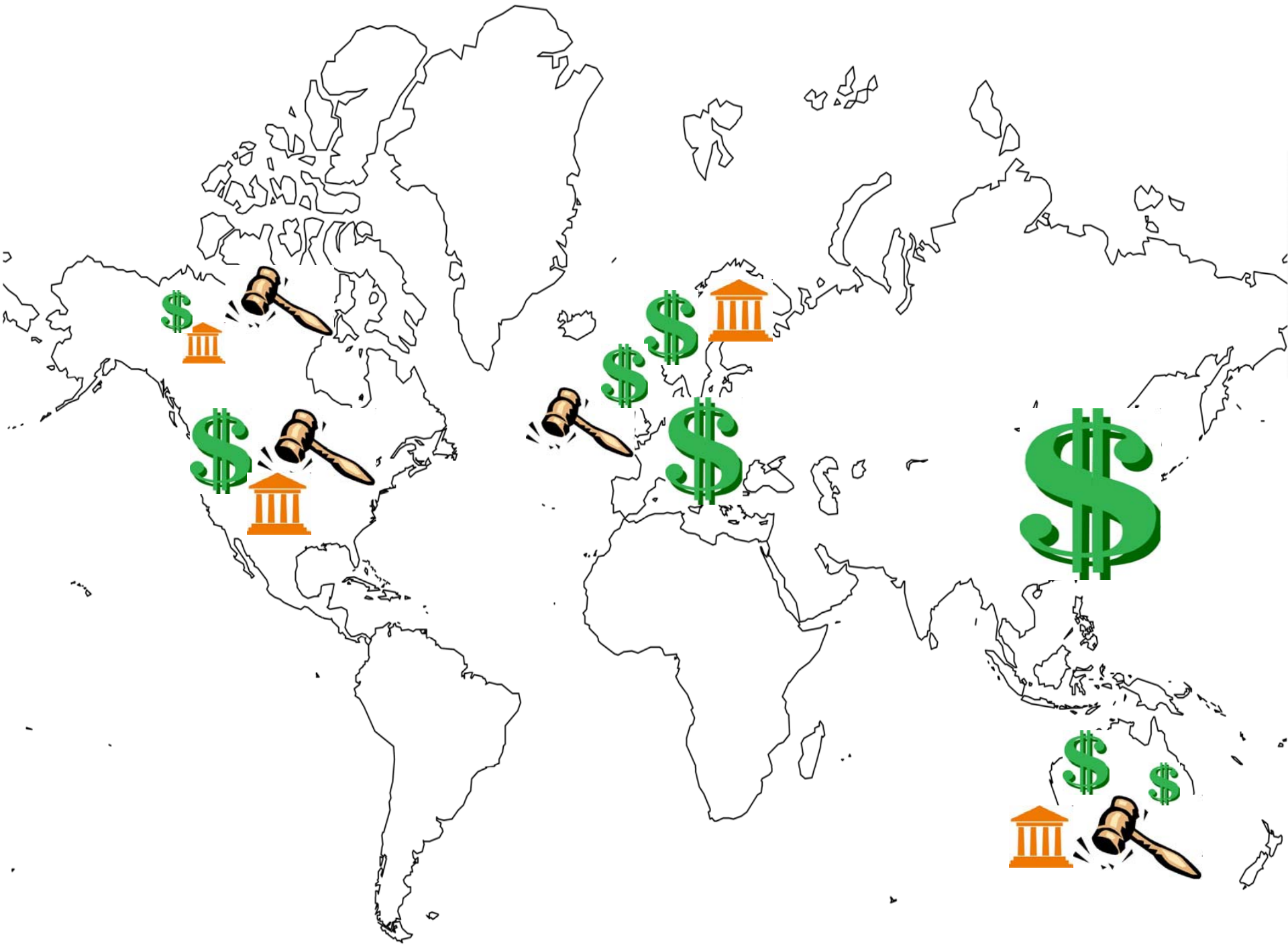
Inventory only

### Compliance:

June 1, 2010

Enforcement: \_\_\_\_\_







	<b>BASELINE</b>	<b>TARGET</b>			<b>Over Kyoto</b>
		<b>2012</b>	<b>2020</b>	<b>2050</b>	
BC			33%	80%	
Alberta (1)	Business		50%		
Alberta (2)	2005		14%		60-80%
SASK	2006		20%		
MAN	1990				
ON*	1990		15%	80%	
PQ	1990		20%		
CANADA (Bill)	1990		25%	80%	
CANADA (kyoto)	1990	6%			----
CANADA (policy)	2006		20%	80%	
CANADA(Cop15)	2005		17%	60-70%	+2.5%
USA (congress)	2005		20%	80%	---
USA (senate)					
USA (Cop15)	2005		17%		-3%

# Reporting Thresholds

	Tonnes / year
WCI	10,000
US (EPA)	25,000
CANADA	50,000
BC	10,000 20,000 25,000
AB	50,000 - was 100,000
SK	
MN	
ON	25,000



**ALBERTA**

**U.S. BILLS**

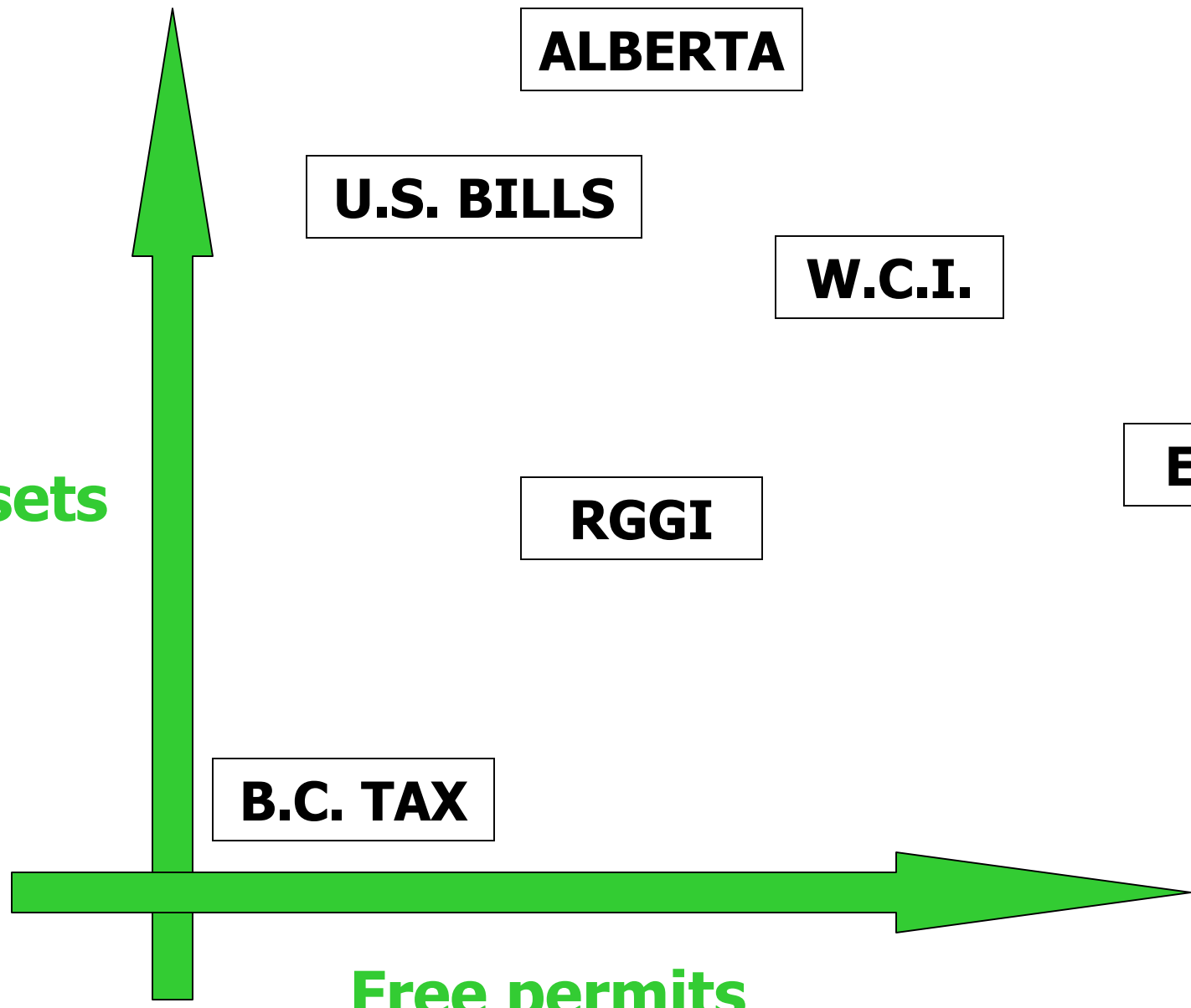
**W.C.I.**

**E.U.**

**RGGI**

**B.C. TAX**

**offsets**



**Free permits**

**Rio** →

# **UNFCCC**

**United Nations Framework Convention on Climate Change**

Stage 1

2008 - 2012

**Kyoto**

Stage 2

2012 - 2016

**Marrakesh**

**Copenhagen**

- Baseline
- Target
- Plan - compliance
- Plan - enforcement - "at stage 2"

# Copenhagen Accord



Table with 2 columns: REGULATORY and EMISSIONS. It contains a grid of data points.

↑  
emission  
target

Table with 2 columns: NATIONALLY APPROPRIATE MITIGATION. It contains a grid of data points.

↑  
Nationally  
appropriate  
mitigation

Table with 2 columns: FAST START FINANCING. It contains a grid of data points.

↑  
Fast start  
financing

# Copenhagen Accord



A table titled 'REGULATORY AND MARKET MEASURES' with columns for 'REGULATORY' and 'MARKET MEASURES'. It lists various countries and their corresponding measures.

A table titled 'ANNEX 1: LIST OF COUNTRIES' with columns for 'COUNTRY' and 'STATUS'. It lists various countries and their status in the accord.

A table titled 'ANNEX 2: LIST OF COUNTRIES' with columns for 'COUNTRY' and 'STATUS'. It lists various countries and their status in the accord.

1. Kyoto CDM
2. Kyoto Joint implementation
3. International offset: (REDD- plus)
4. Domestic sink: LULUCF



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## **Library**

**Research & law reform**

**Well site searches**

**Enforcement searches**

**Lawyer referrals**



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