

Collaborative Greenhouse Gas (GHG) Programs

Collaborative Regional GHG Programs:

- Three North American groups with goals to lower regional GHG emissions were initiated by state Governors.
- 32 U.S. states, D.C., eight Canadian provinces, and six Mexican states are Participants or Observers.
- Observer jurisdictions do not commit to group GHG reduction goals, but participate in proceedings should they opt to join later. RGGI Observers are not on its Board.

Western Climate Initiative (WCI):

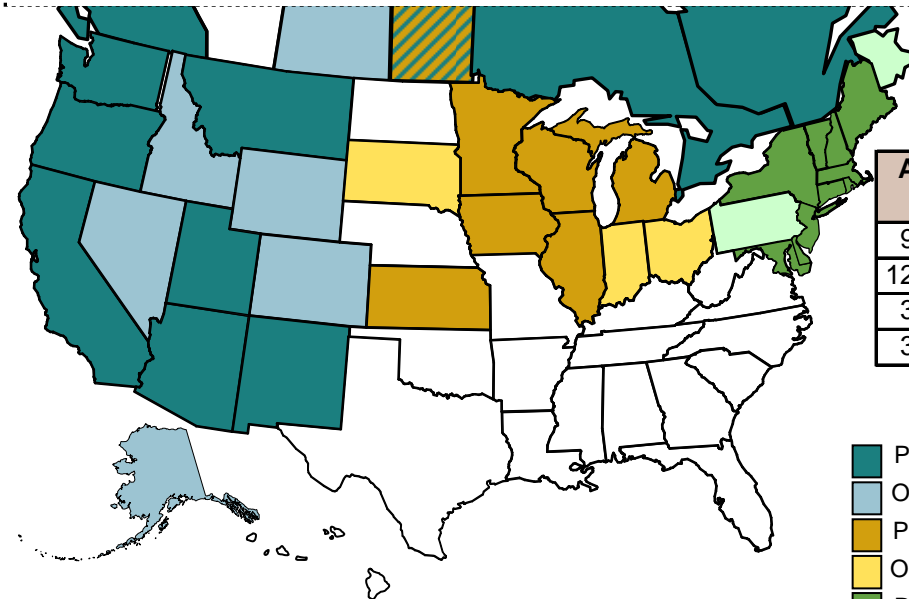
- Created February 2007
- Partners: 7 states, 4 provinces; Observers: 5 states, 1 province*
- WCI announced its design for a market-based, *multi-sector* cap-and-trade program, Sept 2008:
 - 15% CO₂ reduction below 2005 levels by 2020
 - Phase I to take effect Jan 2012

Midwest Greenhouse Gas Reduction Accord:

- Established November 2007
- Participants: 6 states, 1 province; 3 Observer states, 1 province
- Preliminary Design Recommendations issued Dec 2008: 15 - 25% reductions by 2020, 60 - 80% by 2050

Regional Greenhouse Gas Initiative (RGGI):

- Compliance period began Jan 1, 2009
- 10 Participant states; 5 Observers jurisdictions
- Market-based cap-and-trade effort to reduce *power-sector* CO₂ emissions.
- 10% CO₂ reduction by 2018 covers over 200 plants
- 188 million allowances (to be) sold in 2 pre-compliance auctions (2008) and 4 compliance auctions (2009)



RGGI Auction Data

Auction Date	Allocation Year	Allowances Sold (000s)	Clearing Price
9/25/08	2009	12,565	\$3.07
12/17/08	2009	31,506	\$3.38
3/18/09	2009	31,514	\$3.51
3/18/09	2012	2,176	\$3.05

- Participant in WCI
- Observer to WCI
- Participant in MGGRA
- Observer to MGGRA
- Participant in RGGI
- Observer to RGGI
- Participant in MGGRA & WCI

Updates at: <http://www.ferc.gov/market-oversight/mkt-electric/overview/elec-ovr-ghg.pdf>

Notes: Kansas is a MGGRA participant and WCI observer. Ontario and Quebec are Partners to WCI and Observers to RGGI; Ontario is also an observer to RGGI.

Sources: regional initiatives - www.rggi.org, www.midwesternaccord.org, www.westernclimateinitiative.org, trade press, EPA, Pew Center, White House - www.whitehouse.gov/agenda/energy_and_environment

Collaborative Greenhouse Gas Programs

Congressional Energy & Environment Update:

- President Obama's proposed budget includes cap-and-trade revenue beginning in 2012
- House Democrats released a draft Energy & Emissions Bill on March 31, 2009 which includes:
 - A GHG cap-and-trade plan to reduce emissions 20% below 2005 levels by 2020
 - Limits on the carbon content of motor fuel

RGGI's Auction 3 held on March 18, 2009:

- Participating states include CT, DE, ME, MD, MA, NH, NJ, NY, RI, VT
- RGGI States successfully auctioned 2009 (spot year) and the first 2012 allowances, netting \$117 million.
- 50 entities bid 2.5 times the available 31.5 million 2009 allowances, raising \$110.6 million.
- 20 entities bid 2.3 times the available 2.8 million 2012 allowances, raising \$6.6 million.
- Of 42 winning entities for 2009 allowances, 78% were compliance entities (generators).
- Of 12 winning entities for 2012 allowances, 93% were compliance entities (generators).
- 2009 allowances cleared at \$3.51/allowance, 13¢ higher than Auction 2.
- 2012 allowances cleared at \$3.05/allowance.
- An allowance is the right to emit 1 ton of CO₂

WCI Updates:

- WCI will hold a stakeholder workshop to discuss three topics (April 9).
 - Overview of the WCI Committee structure for 2009 - 2010
 - Overview of Markets Committee tasks
 - Discussion of market oversight principles and questions
- WCI 2009 - 2010 work plan:
 - WCI will publish a white paper exploring different models by mid-2009.
 - WCI will publish a set of draft recommendations by early-2010.

Midwest Greenhouse Gas Regional Accord:

- Signed at Midwestern Governors Association Energy Summit to establish GHG reduction targets (Nov 2007).
 - Participants: IA, IL, KS, Manitoba, MI, MN, WI
 - Observers: IN, OH, Ontario, SD
- Preliminary Design Recommendations issued (Dec 2008)
 - Target reductions from 2005 levels:
 - 15% - 25% reductions by 2020
 - 60% - 80% reductions by 2050
 - Cap-and-trade should cover multiple sectors:
 - electric generation and imports (power plants)
 - Industrial combustion sources (factories)
 - Industrial processes, if measurable and verifiable
 - Transportation fuels, subject to modeling results
 - Each jurisdiction to control allowance distribution methods.
 - Final design pending results of further ICF modeling.
- MGGRA anticipates Model Rule by August 2009.

Western Climate Initiative (WCI):

- Launched by WGA to reduce regional GHG collectively and cooperatively (Feb 2007).
 - Partners: AZ, British Columbia, CA, Manitoba, MT, NM, Ontario, OR, Quebec, UT, WA
 - Observers: AK, CO, ID, KS, NV, Saskatchewan, WY
- WCI announced design for a market-based, *multi-sector* cap-and-trade program (Sept 2008):
 - 15% CO₂ reduction below 2005 levels by 2020
 - Covers 90% of regional emissions
 - Phase I to take effect Jan 2012
 - Phase II will begin 2015