

## State Greenhouse Gas (GHG) Actions

Compiled by Amy Royden-Bloom, Senior Staff Associate, NACAA  
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State	Regulation/ offset of EGU emissions	Regulation of motor vehicle emissions	State-wide target	Action plan	Registry	Other (including contact information)
Alabama				12/1997		
Alaska				Prelim. by 3/07; final by 1/08	Multi-State Registry design process <sup>i</sup> (through the Western Regional Air Partnership (WRAP))	Alaska Climate Impact Assessment Commission created by legislation May 2006
Arizona		EO 2006-13 directs adoption of CA GHG regulation (Pavley)	-- Per EO 2006-13: - 2020: GHG emissions to 2000 levels - 2040: GHG emissions to 50 percent below 2000 levels	9/06	Multi-State Registry design process (through WRAP)	- Climate Change Executive Committee formed 9/06 - Southwest Climate Change Initiative - <a href="http://www.azclimatechange.us">www.azclimatechange.us</a> - Ira Domsky Domsky.ira@azdeq.gov

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<b>California</b>	Load-based cap on GHG emissions to be enacted by 2/1/07 by the California Public Utilities Commission (investor-owned utilities) and by 6/30/07 by the California Energy Commission (municipal utilities) (SB1368)	Near-term (2009-12) and mid-term (2013-16) CO <sub>2</sub> -equivalent g/mi standard; separate ones for passenger cars/small SUVs and large trucks/SUVs (Pavley)	-- Per AB 32: - 2020: GHG emissions to 1990 levels --By executive order: - 2010: GHG emissions at 2000 levels - 2020: GHG emissions to 1990 levels - 2050: GHG emissions to 80% below 1990 levels	12/05 (under public review)	- CA Climate Action Registry (voluntary registry of emissions) - per AB32, ARB to establish mandatory registry by 1/1/08 - Multi-State Registry design process (through the CA Climate Action Registry)	- Governor established advisory committee (6/05) - West Coast Governors' Global Warming Initiative - <a href="http://www.climatechange.ca.gov">www.climatechange.ca.gov</a> - Eileen Tutt <a href="mailto:etutt@calepa.ca.gov">etutt@calepa.ca.gov</a> - Chuck Shulock <a href="mailto:cshulock@arb.ca.gov">cshulock@arb.ca.gov</a>
<b>Colorado</b>				9/1998; new one by fall 2007	Multi-State Registry design process (through WRAP)	The Center for Climate Strategies is developing a climate action plan through a process called the Colorado Climate Project, with the goal to release recommendations for a new governor by fall 2007

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<b>Connecticut</b>	RGGI <sup>ii</sup>	CA GHG regulation (Pavley) - Feebate study completed 12/05 - Legislative action 2006 on car labeling based on GHG emissions	- NEG/ECP <sup>iii</sup> - PA 04-252 (2004) requires state to meet 75% reduction by 2050 if NEG/ECP does not affirmatively adopt long term goal by 1/1/07.	2/2005	- Mandatory for Title V sources beginning in 2006 - Multi-State Registry design process (through the Northeast States for Coordinated Air Use Management (NESCAUM))	- Governor's Steering Committee - www.ctclimatechange.com - Chris James Chris.james@po.state.ct.us - Chris Nelson chris.nelson@po.state.ct.us
<b>Delaware</b>	RGGI			1/2000	Multi-State Registry design process (through NESCAUM)	Valerie Gray Valerie.gray@state.de.us
<b>Hawaii</b>				11/1998		
<b>Idaho</b>					Multi-State Registry design process (through WRAP)	

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<b>Illinois</b>				6/1994 - new plan after ICCAG recs	Multi-State Registry design process (through the Lake Michigan Air Directors Consortium (LADCO))	- Illinois Climate Change Advisory Group (ICCAG) created 10/06; complete work by 6/07 - Member of Chicago Climate Exchange - Ron Burke Ron.burke@epa.state.il.us
<b>Indiana</b>					Multi-State Registry design process (through LADCO)	Jon Bates jbates@idem.in.gov
<b>Iowa</b>				12/1998	Multi-State Registry design process (through LADCO)	George Welch George.welch@dnr.state.ia.us
<b>Kentucky</b>				6/1998		
<b>Maryland</b>	RGGI			3/2004		
<b>Maine</b>	RGGI	CA GHG regulation (Pavley)	- Statute requiring state to meet NEG/ECP targets - NEG/ECP	12/2004	- Multi- pollutant reporting rule - Multi-State Registry design process (through NESCAUM)	

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Massachusetts	<p>- 310 CMR 7.29 - Six older power plants must not exceed a facility wide historical emissions cap (1997-1999 baseline) beginning calendar year 2006. Must not exceed a facility wide average emission rate of 1800lbs CO<sub>2</sub>/MWh beginning calendar year 2008; this represents approx. a 10% reduction from historical rates from the six plants in the aggregate. CO<sub>2</sub> emissions in excess of the cap or rate limitation may be met with GHG Credits. Rules for GHG Credits are at 310 CMR 7.00 Appendix B.</p> <p>- 1-3% offset from new plants</p>	CA GHG regulation (Pavley)	NEG/ECP	2004	Multi-State Registry design process (through NESCAUM)	<p>- More information regarding 310 CMR 7.29 and GHG Credits can be found at: <a href="http://www.mass.gov/dep/air/laws/regulati.htm#ghg">www.mass.gov/dep/air/laws/regulati.htm#ghg</a></p> <p>- Bill Lamkin <a href="mailto:william.lamkin@state.ma.us">william.lamkin@state.ma.us</a></p> <p>- Nicholas Bianco <a href="mailto:Nicholas.Bianco@Massmail.State.MA.US">Nicholas.Bianco@Massmail.State.MA.US</a></p>

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<b>Michigan</b>					Multi-State Registry design process (through LADCO)	David Mason masondw@michigan.gov
<b>Minnesota</b>				2/2003	Multi-State Registry design process (through LADCO)	Peter Ciborowski Peter.ciborowski@state.mn.us
<b>Missouri</b>				7/2002		
<b>Montana</b>				By 7/2007	Multi-State Registry design process (through WRAP)	Governor requested formation of Climate Change Advisory Group December 2005
<b>New Hampshire</b>	- Three oldest power plants reduce CO <sub>2</sub> emissions to 1990 levels beginning in 2007; cap and trade system. Phase II cap replaced by RGGI - RGGI		NEG/ECP	8/2002	-Voluntary reductions registry - Multi-State Registry design process (through NESCAUM)	Joe Fontaine jfontaine@des.state.nh.us

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<b>New Jersey</b>	RGGI	CA GHG regulation (Pavley)	Reduce GHG emissions 3.5% below 1990 levels by 2005	2/2002	- Requires entities that report other air emissions to the state DEP to also report CO <sub>2</sub> and CH <sub>4</sub> emissions - Multi-State Registry design process (through NESCAUM)	- Chris Sherry Christopher.sherry @dep.state.nj.us
<b>New Mexico</b>			2000 levels by 2012; 10% below 2000 levels by 2020 and 75% below by 2050	by 12/06 (old 9/02)	Multi-State Registry design process (through WRAP)	- Governor established-advisory group (6/05) - Southwest Climate Change Initiative - Member of Chicago Climate Exchange - <a href="http://www.nmclimatechange.us">www.nmclimatechange.us</a> - Sandra Ely Sandra.Ely@state.nm.us
<b>New York</b>	RGGI	CA GHG regulation (Pavley)	5% below 1990 levels by 2010; 10% below 1990 levels by 2020 (economy- wide)	4/2003	Multi-State Registry design process (through NESCAUM)	Franz Litz ftlitz@gw.dec.state.ny.us

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<b>North Carolina</b>	Three reports required by Clean Smokestacks Act completed (Sept 2005). Future regulation will depend upon level of goal set by Legislative Commission on Global Climate Change (LCGCC) established by Legislature 9/2005	CA GHG emission regulations (Pavley) under consideration	LCGCC to determine if a goal and stringency - by April 15, 2008	CAP under development, complete by mid 2007	Likely, but will be impacted by goals set by LCGCC and by national legislation	<b>LCGCC-</b> coordinator – Tim Dodge, <a href="mailto:timd@ncleg.net">timd@ncleg.net</a>  <b>Climate Action Plan (CAPAG)</b> info at <a href="http://www.ncclimatechange.us">www.ncclimatechange.us</a> Coordinator – Jim Southerland, <a href="mailto:james.southerland@ncmail.net">james.southerland@ncmail.net</a>
<b>North Dakota</b>					Multi-State Registry design process (through WRAP)	
<b>Ohio</b>					Multi-State Registry design process (through LADCO)	Bill Spires <a href="mailto:Bill.spires@epa.state.oh.us">Bill.spires@epa.state.oh.us</a>

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<b>Oregon</b>	Any new or expanded natural gas plant >25 MW CO <sub>2</sub> emissions not exceed 0.675 lbs/kwh (limit set at 17% below the best performing plant). Can offset emissions or pay \$1.35/ton CO <sub>2</sub> for sequestration project	Adopted CA GHG emission regulations (Pavley)	- By 2010, arrest the growth of Oregon's GHG emissions and reduce towards meeting 1990 levels. - By 2020, achieve a 10 percent reduction below 1990 GHG levels. - By 2050, achieve a "climate stabilization" emissions level at least 75 percent below 1990 levels.	12/2004	Multi-State Registry design process (through WRAP)	- West Coast Governors' Global Warming Initiative - Oregon Climate Change Integration Group to build on 2004 action plan and create a new report by the end of 2007. See <a href="http://egov.oregon.gov/ENERGY/GBLWRM/CCIG.shtml">http://egov.oregon.gov/ENERGY/GBLWRM/CCIG.shtml</a> - Bill Drumheller bill.drumheller@state.or.us
<b>Pennsylvania</b>		Adopted CA GHG emissions regulations (Pavley)			Multi-State Registry design process (through NESCAUM)	
<b>Rhode Island</b>		CA GHG regulation (Pavley)	NEG/ECP	7/2002	Multi-State Registry design process (through NESCAUM)	- plan contains 52 options to reduce GHG emissions - Steve Majkut Steve.majkut@dem.ri.gov

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<b>South Dakota</b>					Multi-State Registry design process (through WRAP)	
<b>Tennessee</b>				4/1999		
<b>Utah</b>				4/1999	Multi-State Registry design process (through WRAP)	
<b>Vermont</b>	- RGGI	CA GHG regulation (Pavley)	- Law passed in 2006 setting targets (all from 1990 levels): 25% reduction by 1/1/2012; 50% reduction by 1/1/2028; 75% reduction by 1/1/2050 (if practical using reasonable efforts) - NEG/ECP	7/1998; new plan due by 9/1/07	Multi-State Registry design process (through NESCAUM)	-Jeff Merrell jeff.merrell@state.vt.us -Harold Garabedian Harold.garabedien@state.vt.us

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<b>Washington</b>	New power plant >25MW and existing plants that increase the production of CO <sub>2</sub> emissions by 15% or more must offset 20% of CO <sub>2</sub> generated by the plant over 30 years. Can satisfy requirement by investing or paying for CO <sub>2</sub> mitigation at \$1.60 per metric ton)	CA GHG regulation (Pavley)		1/2005	Multi-State Registry design process (through WRAP)	- West Coast Governors' Global Warming Initiative - Tony Usibelli tonyu@cted.wa.gov
<b>Wisconsin</b>				5/1998	- voluntary reductions registry - emissions reporting required for entities that emit 100,000 or more tons of CO <sub>2</sub> - Multi-State Registry design process	- Edward Jepsen (registry) edward.jepsen@wisconsin.gov - Eric Mosher (other issues) eric.mosher@dnr.state.wi.us
<b>Wyoming</b>					Multi-State Registry design process (through WRAP)	

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<sup>i</sup> Multi-state Registry – Thirty states are in discussions regarding the design of a multi-state registry covering greenhouse gas (GHG) emissions. The registry would be usable for both voluntary and mandatory reporting schemes. The states hope to finalize an MOU by April/May 2007 and launch the registry by December 2007. Currently, ten states in the eastern U.S., including Connecticut, Delaware, Maine, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, Pennsylvania, and Vermont, coordinated by NESCAUM, are in the final stages of developing a policy-neutral climate registry called the Eastern Climate Registry; eight Midwest States, including Iowa, Illinois, Indiana, Ohio, Michigan, Minnesota, Missouri, Wisconsin, coordinated by LADCO, have been exploring the development of a Midwest Climate Registry throughout the past year; and thirteen Western states, including Alaska, Arizona, California, Colorado, Idaho, Montana, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming, coordinated by WRAP, have also been exploring the development of a climate registry.

<sup>ii</sup> RGGI - Goal is to develop a multi-state cap-and-trade program covering GHG emissions from power plants, focused first on carbon dioxide emissions. Participating states finalized a model rule in August 2006 agreeing to stabilize carbon dioxide emissions from the region's power plants at current levels from 2009 to the start of 2015 and reduce emissions by 10 percent by 2019. See [www.rggi.org](http://www.rggi.org).

<sup>iii</sup> NEG/ECP - Regional goal of reducing GHG emissions to 1990 levels by 2010, 10% below 1990 levels in 2020, and by a sufficient amount to avert the threat of global warming over the longer term, which could be as much as 75%.