



**Cross-Cutting Issues (CC) Technical Work Group  
Catalog of State Climate Mitigation Options**  
Draft Version 3e – August 10, 2006

**Definition of “Priorities for Analysis”:**

- **High:** High priority options will be analyzed first.
- **Medium:** Medium priority options will be analyzed next, time and resources permitting.
- **Low:** Low priority options will be analyzed last, time and resources permitting.

**Notation of Options:**

- \* Options marked with an asterisk (\*) indicate options that are at least partially “base case” policies, i.e., that have been considered or undertaken at some level in North Carolina.
- \*\* Options marked with a double asterisk (\*\*) indicate options that are included as recommendations in the September 1, 2005 NC DENR Report under the Clean Smokestacks Act of 2002.
- \*\*\* Options marked with a triple asterisk (\*\*\*) indicate options that are included as recommendations made to the North Carolina Legislative Commission on Global Climate Change (LCGCC)

Option Number	Climate Mitigation Option	Priority for Consideration	Feasibility Considerations	Notes
<b>CC-1</b>	<b>INVENTORIES AND FORECASTING</b>			
1.1	Establish GHG emission inventory function at DAQ	•	•	• (CSA recommendation for permitted sources moved to CC-2.)
1.2	Establish GHG emissions forecasting function within State Government	•	•	•
<b>CC-2</b>	<b>REPORTING</b>			
2.1	Establish a GHG reporting program	•	•	<ul style="list-style-type: none"> <li>• (Follows on CSA recommendation A-4.)</li> <li>• (Details about who, what, when, etc. will be addressed in the design characteristics matrix.)</li> <li>• This will address Dr. Rubin's recommendation to the LCGCC for mandatory GHG reporting***</li> </ul>
<b>CC-3</b>	<b>REGISTRY</b>			
3.1	Establish a GHG registry for NC (possibly in concert with other states)	•	•	<ul style="list-style-type: none"> <li>• (Referenced in CSA Rec. A-4)</li> <li>• Note: Cap and trade system per Dr. Rubin's recommendation to the LCGCC may be considered under this option***</li> </ul>
<b>CC-4</b>	<b>EDUCATION</b>			
4.1	Reinforce sources of GHG, need for State Energy Plan implementation**	•	•	<ul style="list-style-type: none"> <li>• Moved to Education Matrix – General Public</li> <li>• From Recommendation LT -2 in the Sept. 1, 2005 CSA report.</li> </ul>
4.2	Promote clean fuel technologies**	•	•	<ul style="list-style-type: none"> <li>• Moved to Education Matrix – General Public</li> </ul>
4.3	Promote energy-tech economic development**	•	•	<ul style="list-style-type: none"> <li>• Moved to Education Matrix – Business &amp; Industry</li> </ul>

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4.4	Promote R&D & demo projects for economic development**	•	•	• Moved to Education Matrix – Business & Industry
4.5	Extend training programs for RCI building operators**	•	•	• Moved to Education Matrix – Business & Industry • From “Recommendation A-1” and “Recommendation LT-1” in the Sept. 1, 2005 CSA report.
4.6	Public education initiatives**	•	•	• Now reflected comprehensively in Education Matrix • From “Recommendation A-7” in the Sept. 1, 2005 CSA report and State Energy Plan (SEP).
4.7	Promote green power in order to expand subscription**	•	•	• Moved to Education Matrix – General Public • From “Recommendation A-5” in the Sept. 1, 2005 CSA report.
4.8	Promote combined heat and power (CHP) in order expand its use and technological penetration**	•	•	• Moved to Education Matrix – Business & Industry • From “Recommendation A-1” in the Sept. 1, 2005 CSA report.
4.9	Require environmental disclosure on utility bills**	•	•	• Moved to Education Matrix – General Public • From Appendix C – January 2005 Revisions to the State Energy Plan (SEP), Alternative Energy Sources: Exec-10
4.10	Promote local farm produce**	•	•	• Moved to Education Matrix – General Public • Appendix D – Preliminary Analysis of Selected Policy Options: Agriculture and Forestry, Support Local Farming/Buy Local
4.11	Augment existing education efforts**	•	•	• Now reflected comprehensively in Education Matrix • From “Recommendation A-7” in the Sept. 1, 2005 CSA report and State Energy Plan (SEP).

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4.12	Add GHG to Air Awareness efforts**	•	•	<ul style="list-style-type: none"> <li>• Moved to Education Matrix – General Public</li> <li>• From “Recommendation A-7” in the Sept. 1, 2005 CSA report and State Energy Plan (SEP).</li> </ul>
4.13	Provide information that helps inform sources of the potential advantages of registering GHG emission reductions	•	•	<ul style="list-style-type: none"> <li>• Moved to Education Matrix – Business &amp; Industry</li> <li>• From “Recommendation A-4” in the Sept. 1, 2005 CSA report.</li> </ul>
4.14	Encourage cities to join ICLEI’s <sup>1</sup> Cities for Climate Protection program	•	•	<ul style="list-style-type: none"> <li>• Moved to Education Matrix – Communities</li> </ul>
4.15	Encourage cities to join the U.S. Mayors Climate Protection Agreement <sup>2</sup>	•	•	<ul style="list-style-type: none"> <li>• Moved to Education Matrix – Communities</li> </ul>
4.16	Technology Options***	•	•	<ul style="list-style-type: none"> <li>• Now reflected comprehensively in Education Matrix</li> <li>• From Dr. Rubin’s recommendations to the LCGCC:                             <ul style="list-style-type: none"> <li>• Direct Government funding of R&amp;D (<i>may be more appropriate at federal level</i>)</li> <li>• Direct or Indirect support for commercialization and production; Indirect support for development (<i>may be more appropriate at federal level</i>)</li> <li>• <b>Support for learning and diffusion of knowledge</b></li> </ul> </li> </ul>

<sup>1</sup> See [www.iclei.org](http://www.iclei.org).

<sup>2</sup> See <http://www.ci.seattle.wa.us/mayor/climate/>.

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4.17	Undertake a substantial, ongoing effort to educate multiple targeted audiences about climate change and related actions	•	•	• (Details about who, what, when, etc. will be addressed in the design characteristics matrix.)
<b>CC-5</b>	<b>ADAPTATION</b>			
5.1	Recommend an approach for NC to identify and plan for potential, long-term effects of climate change on society	•	•	• CAPAG noted the need to include all effects and impacts.
5.2	Undertake a concerted planning effort to identify and address climate adaptation issues & needs in the state	•	•	• NCDENR lead? • Multi-stakeholders?
<b>CC-6</b>	<b>OPTIONS FOR GOALS OR TARGETS (IN SUPPORT OF THE LEGISLATIVE COMMISSION ON GLOBAL CLIMATE CHANGE [LCGCC])</b>			
6.1	Assist CAPAG and LCGCC through framing and data analysis of possible statewide GHG reduction goals or targets	•	•	•