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**CROSS CUTTING ISSUES TECHNICAL WORKING GROUP**  
**DRAFT GHG REGISTRY DESIGN CHARACTERISTICS MATRIX**  
JULY 11, 2006

**NOTES:**

- **BUILDS UPON GHG REPORTING DESIGN CHARACTERISTICS MATRIX**
- **SOME REPORTING PREFERENCES COULD BE OUTWEIGHED BY REGISTRY PREFERENCES (E.G., IF A REGIONAL REGISTRY HAS DIFFERENT SPECS).**

**POTENTIAL GOALS OF GHG REGISTRY:**

1. RECORDING OF GHG REDUCTIONS (VS. EMISSIONS)
2. A CENTRAL, INDEPENDENT REPOSITORY FOR CREDIBLE INFO ABOUT EMISSIONS ACTIVITIES
3. A "TRANSACTION LEDGER" – PROVIDING DATA MANAGEMENT & ACCOUNTING CRITICAL FOR TRADING (WITH OR WITHOUT A CAP)
4. "BASELINE PROTECTION" – ENABLING EARLY ACTION CURRENT OR FUTURE CREDIT FOR TRADING
5. AN INCENTIVE TO TRACK & MANAGE EMISSIONS, SEEK PRODUCTIVITY AND ENERGY EFFICIENCY GAINS, ACCELERATE LEARNING CURVE REGARDING COMPETITIVENESS & CARBON MARKETS
6. ENHANCE PUBLIC RECOGNITION AND DEMONSTRATE CORPORATE CITIZENSHIP
7. POSSIBLE VEHICLE FOR REGIONAL, MULTI-STATE, & CROSS-BORDER COOPERATION
8. OTHERS?

	Design Element	Characteristics	Design Considerations	Preliminary Recommendation
<b>1.</b>	<b>Key Design Criteria (beyond <i>GHG Reporting Design Characteristics Matrix</i>)</b>			
1.1	Define geographical boundaries	<ul style="list-style-type: none"> <li>• North Carolina</li> <li>• Regional (or broader)</li> </ul>	<ul style="list-style-type: none"> <li>• Span of control</li> <li>• Cost, economies of scale, &amp; broader = better?</li> </ul>	•
1.2	Verification	<ul style="list-style-type: none"> <li>• State verification</li> <li>• Third-party verification</li> </ul>	<ul style="list-style-type: none"> <li>• See <i>GHG Reporting Design Characteristics Matrix</i></li> </ul>	•
1.3	Base Year	<ul style="list-style-type: none"> <li>• Single specified year</li> <li>• Single entity-chosen year</li> <li>• Average of multiple years</li> <li>• Adjustment rules?</li> </ul>	<ul style="list-style-type: none"> <li>• Flexibility vs. Simplicity</li> <li>• Must have good data for Base Year.</li> </ul>	•
1.4	Project-level submittals	<ul style="list-style-type: none"> <li>• Yes / No / Constrain</li> </ul>	<ul style="list-style-type: none"> <li>• Against what baseline?</li> <li>• Additionality issues (what would have happened anyway?)</li> </ul>	•
1.5	“Offsets”	<ul style="list-style-type: none"> <li>• Yes / Some / No</li> </ul>	<ul style="list-style-type: none"> <li>• Co-benefits location?</li> <li>• Nature / character?</li> </ul>	•
1.6	Start Date	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Establish a “to be in operation” date?</li> </ul>	•
1.7	Ownership	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Risk of double-counting</li> </ul>	•
1.8	Transparency	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	•
1.9	Others?	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	•
<b>2.</b>	<b>Technical Issues</b>			

	Design Element	Characteristics	Design Considerations	Preliminary Recommendation
2.1	Treatment of minority ownership	•	• <i>GHG Protocol</i>	•
2.2	Merger & acquisition issues	•	• <i>GHG Protocol</i>	•
2.3	Quality Assurance; Uncertainty Analysis	•	• <i>GHG Protocol</i>	•
2.4	Regulatory guidance (Protocols, guidance documents, etc.)	•	•	•
2.5	Data flow; filing methods, etc.	•	• Confidential business information (CBI), legal authority, etc.	•
2.6	Others?	•	•	•
<b>3. Ancillary, Administrative, &amp; Operational Issues</b>				
3.1	Location (Agency)	• NCDENR • Other?	• Regional potential	•
3.2	Software; Web Interface, etc.	• North Carolina-specific • CCAR, RGGR, CCX, ERT, EATS? • Other?	• Multiple needs (emissions inventory, allowances, mandatory, voluntary, etc.) • Rapidly changing “state of the art”	•
3.3	Cost	• Transaction fee • Publicly supported? • Other?	• Development costs • Ongoing operating costs	•
3.4	Oversight & Management	• NCDENR • Publicly appointed board • Other?	•	•
3.5	Reporting of Results; Recognition	•	•	•

	<b>Design Element</b>	<b>Characteristics</b>	<b>Design Considerations</b>	<b>Preliminary Recommendation</b>
3.6	Others?	•	•	•