✓ **DRAFT Table of Potential (Tier II) GHG Reduction Options for Future Focused Discussions**
(Stakeholders may make additional nominations for consideration)

General/Broad Issues (G)						
ID#	**Measure**	**Source**	**Date Proposed to Stakeholders**	**Adopted Date**	**Priority**	**Comments**
G-1	CSA's CO_2 should be inclusive of other Global warming gases (GHG)	DAQ				
G-2	GHG mitigation planning should also address transportation & emissions from other sectors	DAQ				
G-3	Developing alternate sources/forms of (non-carbon) energy to meet needs is a priority within 5-10 year target	DAQ				
G-4	A North Carolina agency should be established in law to be continuing focus & authority for GHG actions	DAQ				
G-5	Funding and other resources should be provided to promote/maintain an ongoing GHG reduction program	DAQ				
G-6	The General Assembly should legally designate CO_2 as an air pollutant.	DAQ				
G-7	A GHG planning/stakeholder group should be activated immediately with charge for developing an integrated action plan by sector and agency for GHG reductions in NC for 5, 10 and 25 year time periods.	DAQ				
G-8	Establish policies that encourage "clean fuel" technologies (e.g. IGCC) etc.	EPRI				
G-9	Promote energy related economic development efforts to make NC an energy information and infrastructure manufacturing center	SEP Exec-1				
G-10	Endorse SEO& DO Commerce communication of research, development, demos and other projects for economic development	SEP Exec-2				

General/Broad Issues (G) continued						
ID#	**Measure**	**Source**	**Date Proposed to Stakeholders**	**Adopted Date**	**Priority**	**Comments**
G-11	Support alternative fuel industry	SEP Exec-4				
G-12	Pursue strategies to convert animal waste to energy	SEP Exec-5				
G-13	Implement Southern Air Principles	SAMI				
G-14	Organize efforts at Department & Governor level to lead Region (and S. Coastal States) in broad uniform GHG action plans	DAQ				
G-15	X% Reduction in GHG in Y years	Various				

Energy Efficiency Improvements (EEI) -General						
ID#	**Measure**	**Source**	**Date Proposed to Stakeholders**	**Adopted Date**	**Priority**	**Comments**
	General					
EE – 1	Encourage DOC/SEO Economic Development of energy-related enterprises w/energy products	SEP Exec-1				
EE- 2	Endorse SEO communication of research develop., demos and other projects to DOC for economic development	SEP Exec-2				
	Promotion of voluntary programs and actions	CT				
	Create Natural gas conservation fund	CT				
	Create Heating oil conservation fund	CT				
	Restore conservation and load management fund	CT				
	Develop Energy Conservation Loan Program	CT				
	Promote use of high efficiency motors	ADV				

Energy Efficiency Improvements (EEI) Residential						
ID#	**Measure**	**Source**	**Date Proposed to Stakeholders**	**Adopted Date**	**Priority**	**Comments**
	Residential	SEP+CT				
EE/R-1	Energy Star Homes programs	SEP+CT				
EE/R-2	Appliance standards-only allow sales of Energy Star or equal	SEP+CT				
EE/R-3	Electric hot water heater replacement programs – allow only sales of Energy Star or equal	SEP+CT				
EE/R-4	Continue and extend upgrades of residential and commercial building energy codes	SEP+CT				
EE/R-5	Support Weatherization Assistance program	SEP+CT				
EE/R-6	Promote energy efficient and energy improvement mortgages	SEP+CT				
EE/R-7	Appliance-swapping incentives program	SEP+CT				
EE/G-4	Develop and extend training programs for building operators	SEP+CT				
EE/G-5	Extend green campus initiatives	SEP+CT				
EE/G-6	Energy benchmarking, measurement, and tracking programs for municipal buildings	SEP+CT				
EE/G-7	High-performance buildings: develop further programs to support privately funded projects	SEP+CT				
EE/G-8	State commit to (state-use) purchases of 25% Green Power, escalating to 100%	SEP+CT				
EE/G-9	State's vehicle fleet – Meet California standards	SEP+CT				
EE/G-10	State agencies and universities decrease energy use by 20% by 2008 + 4% per year w/annual SEO annual report	SEP Exec-11				

Energy Efficiency Improvements (EEI) -Industrial						
ID#	**Measure**	**Source**	**Date Proposed to Stakeholders**	**Adopted Date**	**Priority**	**Comments**
	Industrial					
EE/I-1	Encourage clean combined heat and power	SEP+CT				
EE/I-2	High-performance buildings: develop further programs to support privately funded projects	SEP+CT				
EE/I-3	Identify plant specific sources of high-potential GHG & measures to reduce	SEP+CT				
EE/I-4	Develop and extend training programs for building operators	SEP+CT				
EE/I-5	High-performance buildings: develop further programs to support privately funded projects	SEP+CT				
EE/I-6	Develop and implement incentives that promote use of high efficiency motors	SEP +Adv Energy				

Energy Efficiency Improvements (EEI)- Commercial						
ID#	**Measure**					
	Commercial					
EE/C-1	'Incentivize' use of high efficiency motors in comfort and other systems	SEP + CT				
EE/C-2	Pilot fuel-switching projects	SEP+CT				
EE/C-3	Remove barriers to third-party load-management techniques	SEP+CT				
EE/C-4	High-performance buildings: develop further programs to support privately funded projects	SEP+CT				
EE/C-5	Integration with Regional Demand Response Initiatives /recommendations	SEP+CT				
EE/C-6	Develop and extend training programs for building operators	SEP+CT				

Energy Efficiency Improvements (EEI) -Government						
ID#	**Measure**	**Source**	**Date Proposed to Stakeholders**	**Adopted Date**	**Priority**	**Comments**
	Government					
EE/G-1	High Performance building standards use for all schools and other State-funded buildings	SEP + CT				
EE/G-2	Increase and enforce state procurement of environmentally preferable products	SEP + CT				
EE/G-3	Shared savings program for agencies	SEP + CT				
EE/G-4	Develop and extend training programs for building operators	SEP + CT				
EE/G-5	Extend green campus initiatives	SEP + CT				
EE/G-6	Energy benchmarking, measurement and tracking programs for municipal buildings	SEP + CT				
EE/G-7	High performance buildings: develop further programs to support privately funded projects	SEP + CT				
EE/G-8	State commit to (state use)	SEP + CT				
EE/G-9	Develop and implement further programs to promote ‘Cool Cities’ Programs	SEP + CT				

Transportation Sector (T)					
ID#	**Measure**	**Source**	**Proposed to Stakeholders**	**Adopted Date**	**Comments**
T-1	California LEV II standards	CT			
T-2	Fleet vehicle incentives and initiatives	CT			
T-3	Tailpipe GHG standards/	CT			
T-4	Public education initiatives	CT			
T-5	Hydrogen infrastructure research and demonstration program	CT			
T-6	Greenhouse gas (GHG) “feebate” programs	CT			
T-7	Transit, smart growth, and vehicle miles traveled (VMT) reduction package	CT + NC SIP			
T-8	Multistate intermodal freight initiative	CT			
T-9	Promote/require standards for clean diesel and low black carbon technologies/fuels	CT			
T-10	Extend/require truck stop electrification w/enforcement programs	CT			
T-11	State’s vehicle fleet – Meet California standards	CT			
T-12	Private Vehicle Fleet -Added tax incentives	CT			
T-13	Alternate fuel tax formula to encourage fuel efficient vehicles	DAQ			

Utility Sector (U)					
ID#	**Measure**	**Source**	**Proposed to Stakeholders**	**Adopted Date**	**Comments**
U-1	Promote analysis/consideration of IGCC & other new technologies for new and replacement units	EPRI & Utility Consort.			
U-2	Discourage conversions to natural gas - Increase and implement renewable energy strategies	DAQ +CT			
U-3	Renewable portfolio standard	CT + SEP			
U-4	Government green power purchase with 100% goal	CT + DAQ + SEP			
U-5	Production tax credit package development & implementation	CT?			
U-6	Green power-continued promotion	DAQ + SEP			
U-7	Energy efficiency programs enhancement with economic means to motivate utility sector to reduce use by customers	DAQ +			
U-8	Promote combined heat and power (space heating, greenhouses, agricultural, etc.) infrastructure	DAQ + CT + SEP			
U-9	Regional GHG cap-and-trade program	SEP + DAQ			
U-10	Develop/promote green tags program	CT			
U-11	Authorize/implement net metering	CT + SEP+DAQ			
U-12	Develop Clean Energy Fund	CT			
U-13	Utilities should monitor research on direct removal of CO_2 and report to the Legislature on practical and economic feasibility of such options every 6th year from a state and utility panel.	DAQ			
U-14	Require waste heat be utilized a)Develop greenhouse system for areas surrounding steam units – contracted to private farmers b)Provide direct waste steam community heating options where feasible	DAQ + SEP			
U-15	GA adopt net metering	DAQ + SEP Exec-6			

Utility Sector (U) continued					
ID#	**Measure**	**Source**	**Proposed to Stakeholders**	**Adopted Date**	**Comments**
U-16	GA adopt renewable portfolio standard to assure renewables available and used	SEP Exec-7			
U-17	GA adopt new legislation and regulations to reduce wind energy barriers & maintain NC	SEO Exec-8			
U-18	SEO assess legislation/rules re barriers & strategies to develop renewable, solar, and daylighting	SEO Exec-9			
U-19	GA require all utilities to provide fuel mix disclosure reports and emissions via web & bill inserts	SEO Exec-10			
U-20	Require all existing coal-fired units to upgrade to NSPS or to CSA levels for all units & modernize to increase efficiency	DAQ			

Agriculture, Forestry, Waste Sectors (AFW)					
ID#	**Measures**	**Source**	**Proposed to Stakeholders**	**Adopted Date**	**Comments**
AFW-1	Install centralized manure digesters (or possibly IGCI?) to serve the pig and poultry industries –develop tax credits program + other incentives	DAQ			
AFW-2	Reduce non-farm fertilizer use	Iowa FB?			
AFW-3	Promote growing/sales of local produce	Iowa FB?			
AFW-4	Forest management and forest carbon offsets enhancements	Iowa FB?			
AFW-5	Urban tree planting programs	CT			
AFW-6	Forest and agricultural land preservation	CT			
AFW-7	Promote use of durable wood products over other construction materials	CT, NCDAQ			
AFW-8	Analyze and implement landfill gas-to-energy projects for all viable sites	CT + DAQ			
AFW-9	Export forestry practices and seedlings to other countries, such as Haiti, for reforestation	DAQ			
AFW-10	Increase recycling, source reduction	DAQ			
AFW-11	Aggressively Pursue Incentives to Assure Use of Animal Waste as Fuel; Rules on new construction Aggressive Phase-in schedule for existing units; Pipe to central facility; Subsidized trucking to centralized facility; Install individual units attached to grid				
AFW12 11	Landfills Require all to “Mine” methane if above a certain size & viable publicly owned landfills – subsidize or penalize				

Public Education Initiatives (Ed)					
ID#	**Measure**	**Source**	**Proposed to Stakeholders**	**Adopted Date**	**Comments**
ED-1	Support/augment existing environmental and global warming education efforts	DAQ			
ED-2	Add GHG sector to Air Awareness efforts	DAQ			
ED-3					
ED-4					
ED-5					
ED-6					