

South Carolina Climate, Energy and Commerce Advisory Committee

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Cross-Cutting Issues
Technical Work Group Meeting #12
April 29, 2008

Office of the Governor
The Center for Climate Strategies

Today's Agenda

- Call to order and roll call
- Review and approval of prior call summary
- Review goals for CECAC Meeting #7
- Discussion regarding development of straw proposals for remaining priority policy options
- Final report process
- Call to the public
- Announcements

Remaining CECAC Meeting

- CECAC Meetings
 - #7: Friday, May 9, 2008
- Final Report
 - June 30

Goals for CECAC Meeting #7

- Date:
 - May 9, 2008 (Friday)
 - 9:00 a.m. to 6:00 p.m.
- Goals:
 - Obtain approval of remaining priority policy options:
 - CC-3: Statewide GHG Reduction Goals and Targets
 - CC-4: State Government GHG Emissions (Lead-by-Example)

Discussion Regarding Development of Remaining Straw Proposals

- CC-3: Statewide GHG Reduction Goals and Targets
- CC-4: State Government GHG Emissions (Lead-by-Example)

US State/Canadian Province GHG Reduction Goals/Targets

State, Province, or Region	1990-2020 GHG Forecast	State Goals	Climate Plan Coverage
Arizona	144%	<ul style="list-style-type: none"> • 2000 levels by 2020; 50% below by 2040 • 15% below 2005 levels by 2020 (WCI) 	106%
California	40%	<ul style="list-style-type: none"> • E.O.: 2000 level by 2010; 1990 by 2020; 80% below 1990 by 2050 • AB-32: 1990 levels by 2020 • 15% below 2005 levels by 2020 (WCI) 	100%
Colorado	71%	<ul style="list-style-type: none"> • 20% below 2005 level by 2020; 80% below by 2050 	75%
Connecticut	32%	<ul style="list-style-type: none"> • 1990 level by 2010; 10% below by 2020; 75% below by 2050 	100%
Florida	?	<ul style="list-style-type: none"> • 2000 level by 2017; 1990 level by 2025; 80% below 1990 by 2050 	?
Massachusetts	?	<ul style="list-style-type: none"> • 1990 level by 2010; 10% below by 2020; 75% below by 2050 	?
Maine	34%	<ul style="list-style-type: none"> • 1990 level by 2010; 10% below by 2020; 75% below by 2050 	100%
Maryland	52%	<ul style="list-style-type: none"> • 1990 level by 2020; 80% below 2006 levels by 2050 	TBD
Minnesota	48%	<ul style="list-style-type: none"> • Next Generation Energy Act: 15% below 2005 levels by 2015; 30% by 2025; 80% by 2050 	TBD
Montana	30%	<ul style="list-style-type: none"> • 1990 level by 2020; 80% below by 2050 (consumption & production) 	89%-105%
North Carolina	113%	?	TBD
NEG/ECP	?	<ul style="list-style-type: none"> • 1990 level by 2010; 10% below by 2020; 75% below by 2050 	TBD

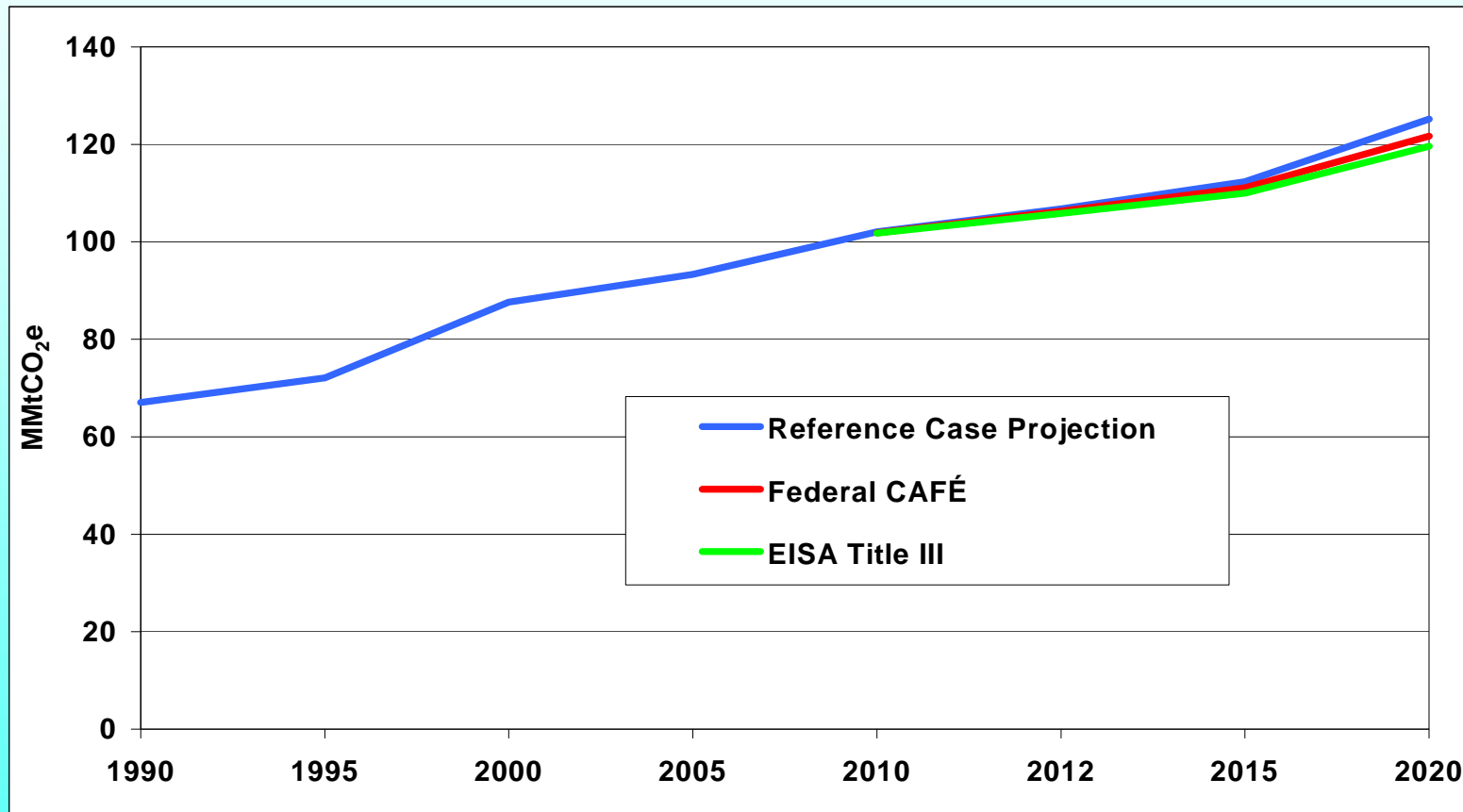
US State/Canadian Province GHG Reduction Goals/Targets

State, Province, or Region	1990-2020 GHG Forecast	State Goals	Climate Plan Coverage
New Jersey	28%	<ul style="list-style-type: none"> E.O. 54: 1990 level by 2020; 80% below 2006 levels by 2050 	TBD
New Mexico	65%	<ul style="list-style-type: none"> 2000 level by 2012; 10% below by 2020; 75% below by 2050 15% below 2005 levels by 2020 (WCI) 	133%
New York	24%	<ul style="list-style-type: none"> 5% below 1990 by 2010 	?
Ontario	?	<ul style="list-style-type: none"> 6% below 1990 by 2014 	n/a
Oregon	61%	<ul style="list-style-type: none"> 10% below 1990 by 2020; 75% below 1990 by 2050 15% below 2005 levels by 2020 (WCI) 	85%
Puget Sound	37%	<ul style="list-style-type: none"> 1990 level by 2010; 10% below by 2020; 75% below by 2100 	100%
Rhode Island	35%	<ul style="list-style-type: none"> 1990 level by 2010; 10% below by 2020; 75% below by 2050 	100%
Vermont	26-59%	<ul style="list-style-type: none"> 25% below 1990 levels by 2012; 50% below 1990 by 2028; 75% below by 2050 	TBD
Utah	95%	<ul style="list-style-type: none"> 15% below 2005 levels by 2020 (WCI) 	TBD
Washington	40%	<ul style="list-style-type: none"> E.O.: 1990 levels by 2020; 25% below 1990 by 2035; 50% below 1990 by 2050 15% below 2005 levels by 2020 (WCI) 	TBD
WCI	54%	<ul style="list-style-type: none"> 15% below 2005 levels by 2020 (AZ, NM, CA, OR, UT, WA, BC, MB) 	TBD
British Columbia	69%	<ul style="list-style-type: none"> 15% below 2005 levels by 2020 (WCI) 	TBD
Manitoba	TBD	<ul style="list-style-type: none"> 15% below 2005 levels by 2020 (WCI) 	TBD

Statewide GHG Reduction Goals and Targets

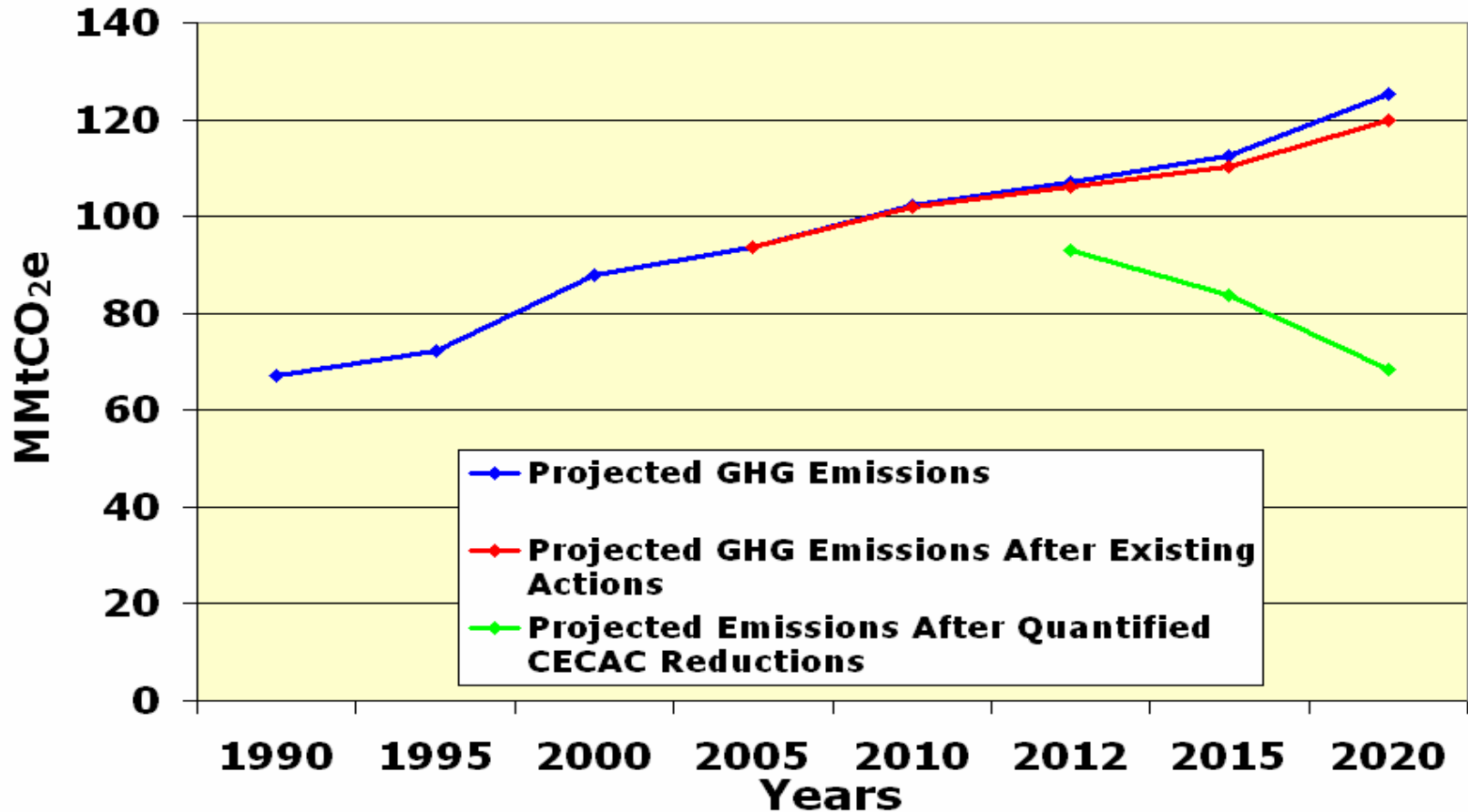
- Gross vs. Net (Sinks)
- Production vs. Consumption
- Levels
- Timing

SC GHG Emissions and Reductions from Existing Actions (Consumption Basis, Gross Emissions)



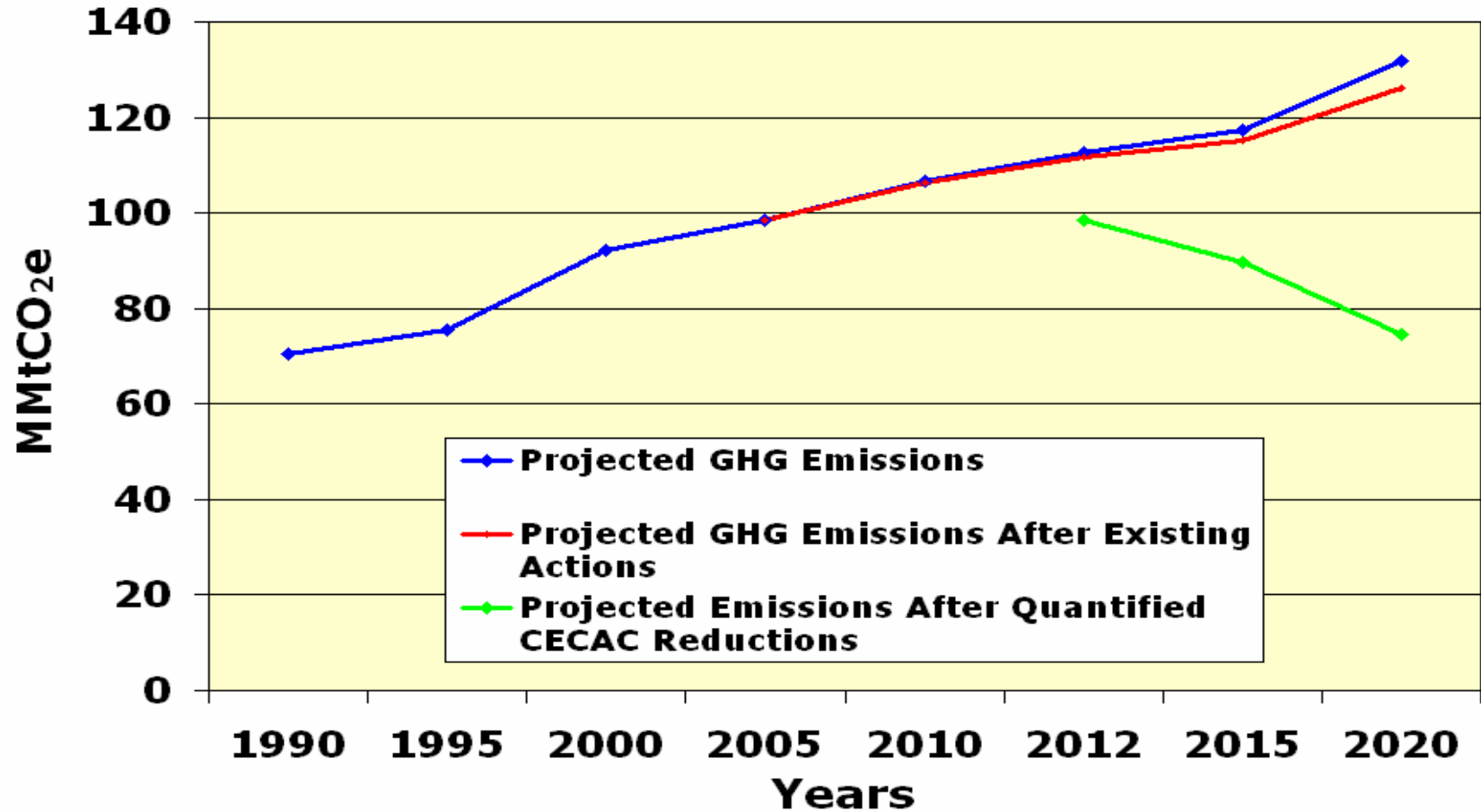
CECAC Actions – Draft Results

Future Emissions - Consumption Gross



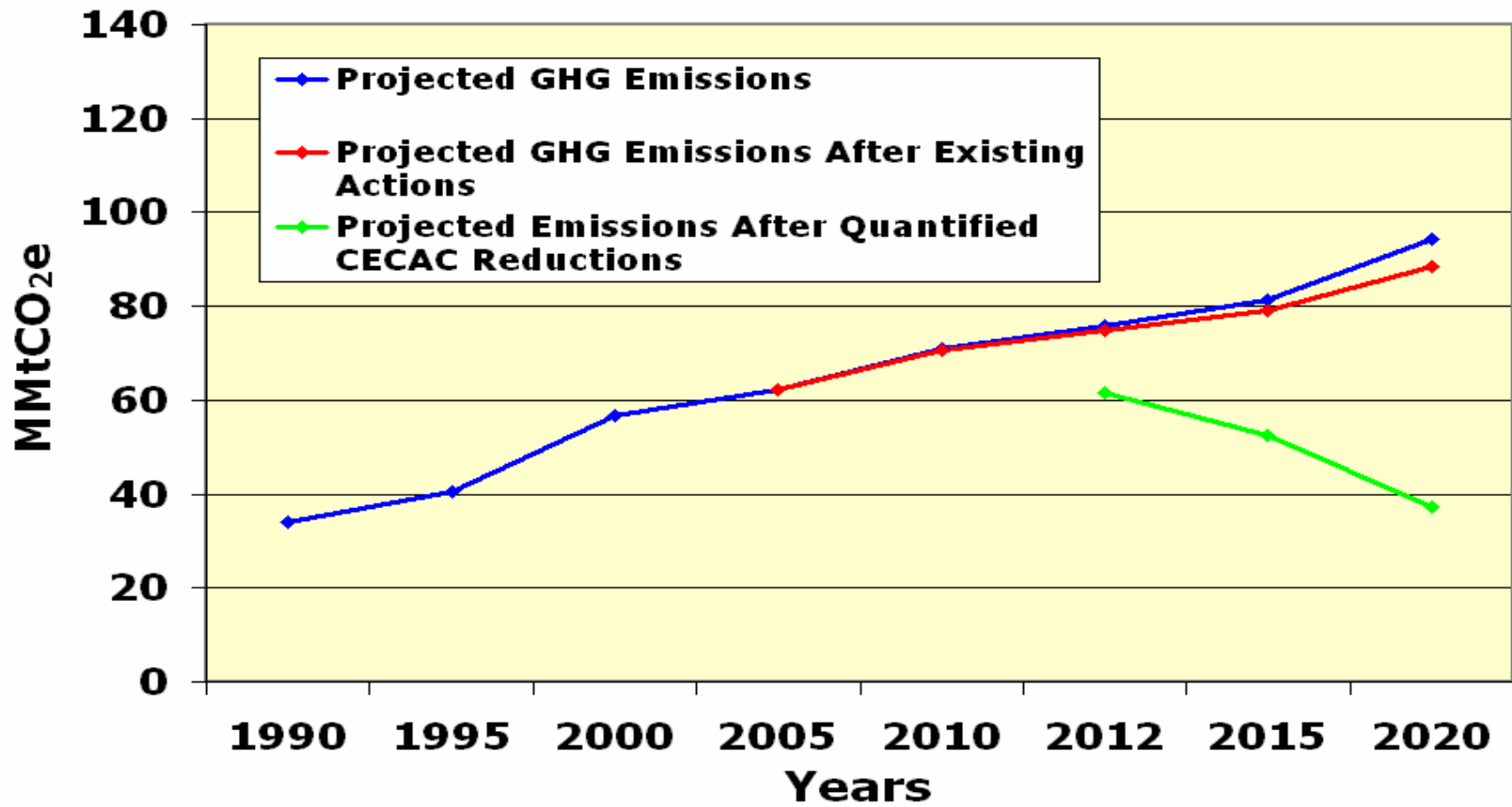
CECAC Actions – Draft Results

Future Emissions - Production Gross



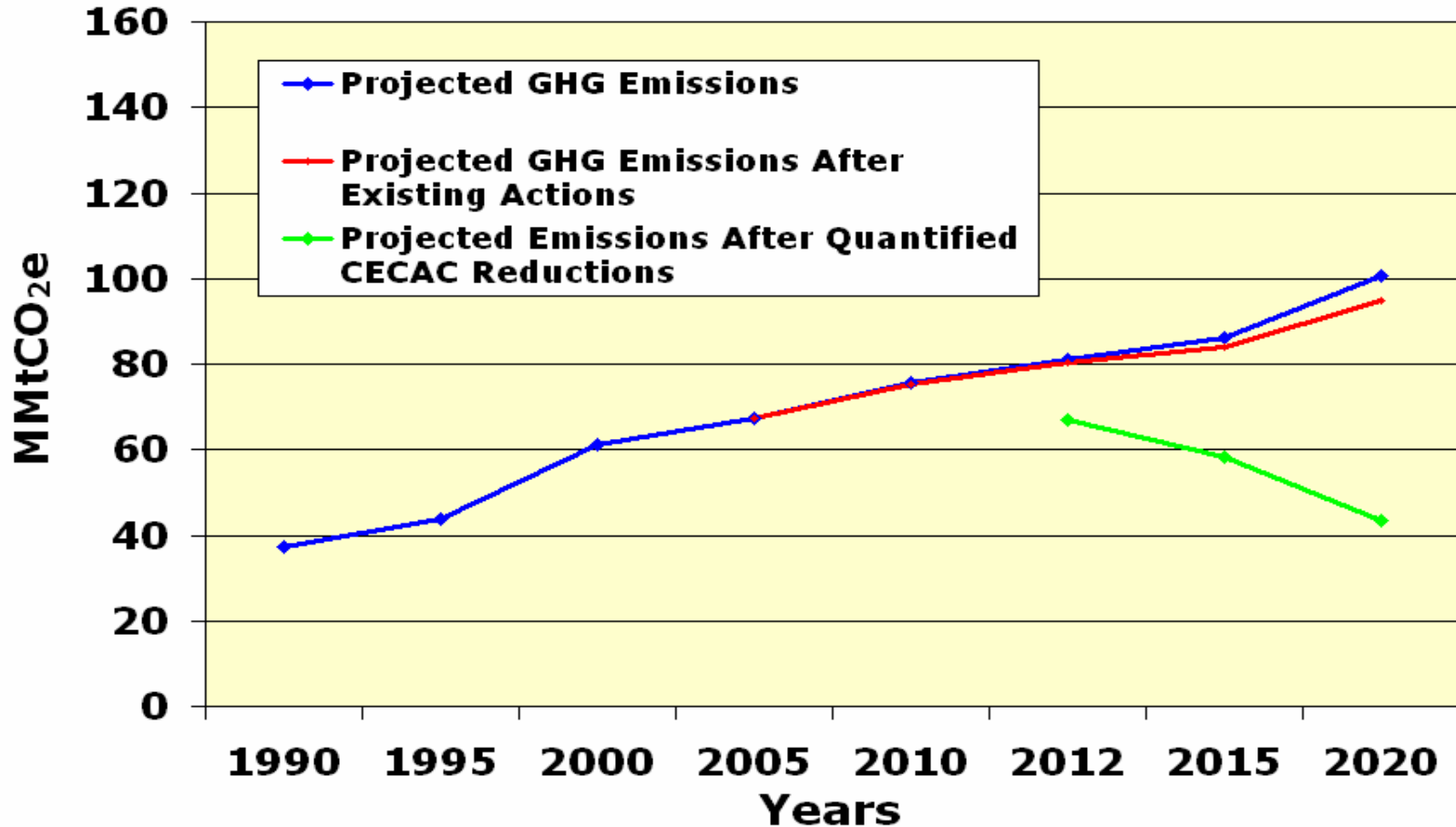
CECAC Actions – Draft Results

Future Emissions - Consumption Net



CECAC Actions – Draft Results

Future Emissions - Production Net



CECAC Actions

Draft Results – Gross Emissions

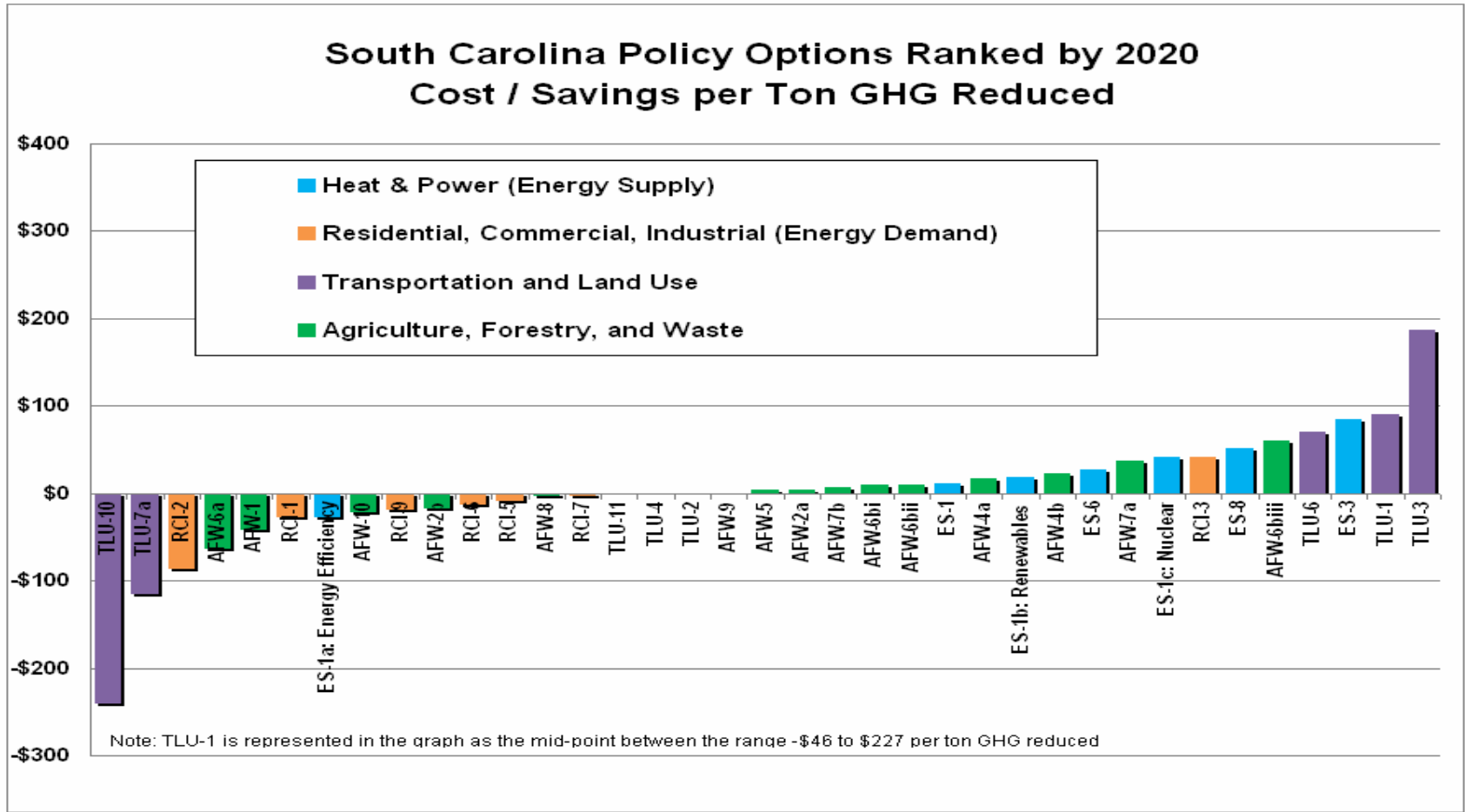
Consumption Basis - Net Emissions								
	1990	1995	2000	2005	2010	2012	2015	2020
Projected GHG Emissions	34.0	40.6	56.8	62.3	71.0	75.7	81.3	94.1
Reductions from Existing Actions				0.0	0.3	0.9	2.4	5.6
Projected GHG Emissions After Existing Actions				62.3	70.7	74.8	78.9	88.6
Targets Recommended by CECAC								
Total GHG Reductions from CECAC Policies						14.1	30.2	57.0
Difference Between CECAC Reductions & Targets						61.6	52.4	37.2
Projected Emissions After Quantified CECAC Reductions						61.6	52.4	37.2
Consumption Basis - Gross Emissions								
	1990	1995	2000	2005	2010	2012	2015	2020
Projected GHG Emissions	67.2	72.3	87.8	93.5	102.2	106.9	112.6	125.4
Reductions from Existing Actions				0.0	0.3	0.9	2.4	5.6
Projected GHG Emissions After Existing Actions				93.5	102.0	106.0	110.2	119.8
Targets Recommended by CECAC								
Total GHG Reductions from CECAC Policies						14.1	30.2	57.0
Difference Between CECAC Reductions & Targets						92.9	83.7	68.4
Projected Emissions After Quantified CECAC Reductions						92.9	83.7	68.4

CECAC Actions

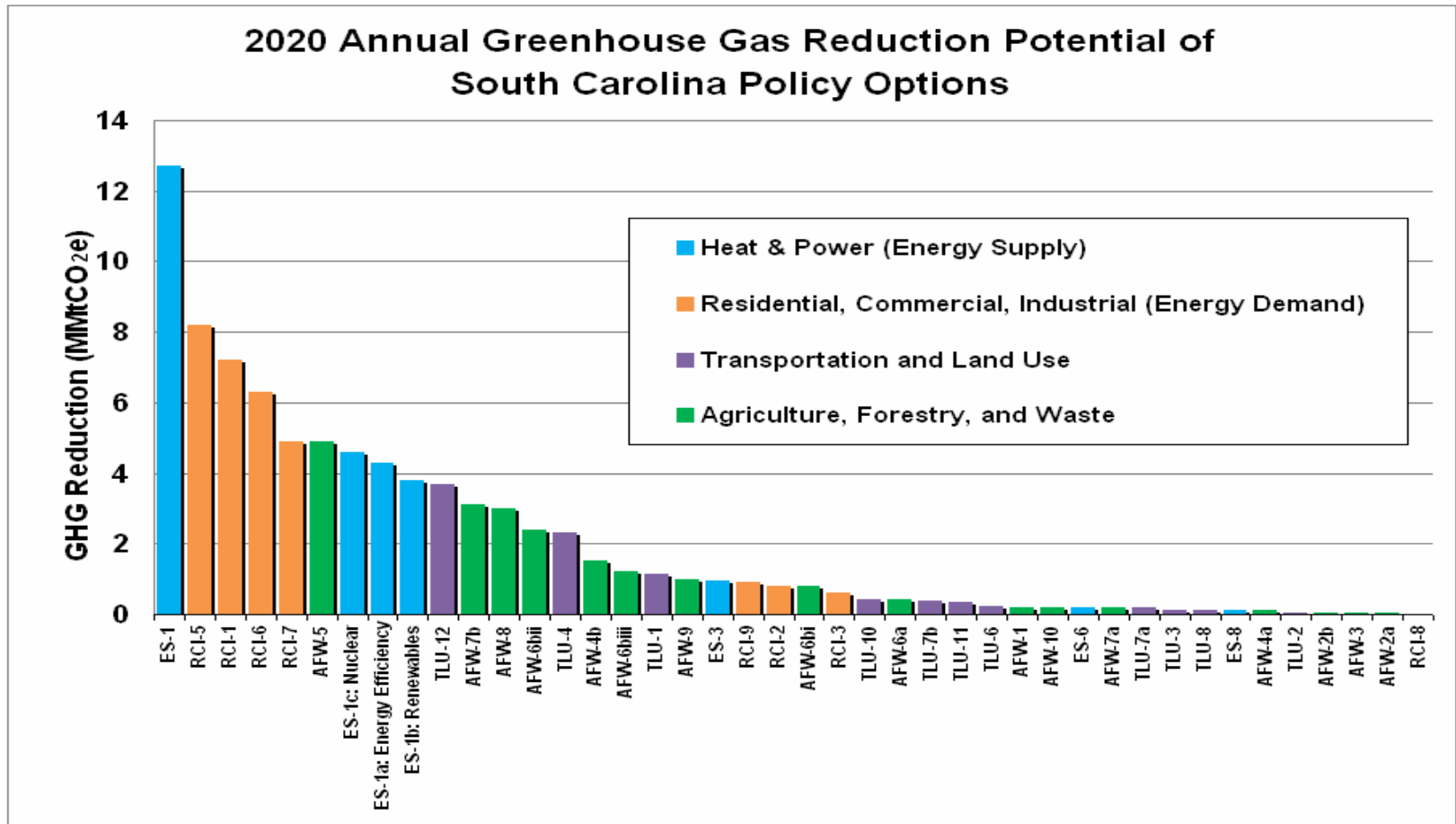
Draft Results – Net Emissions

Production Basis - Net Emissions								
	1990	1995	2000	2005	2010	2012	2015	2020
Projected GHG Emissions	37.4	43.8	61.2	67.2	75.5	81.2	86.2	100.5
Reductions from Existing Actions				0.0	0.3	0.9	2.4	5.6
Projected GHG Emissions After Existing Actions				67.2	75.2	80.3	83.8	94.9
Targets Recommended by CECAC								
Total GHG Reductions from CECAC Policies						14.1	30.2	57.0
Difference Between CECAC Reductions & Targets						67.1	58.3	43.5
Projected Emissions After Quantified CECAC Reductions						67.1	58.3	43.5
Production Basis - Gross Emissions								
	1990	1995	2000	2005	2010	2012	2015	2020
Projected GHG Emissions	70.6	75.4	92.2	98.5	106.7	112.5	117.4	131.7
Reductions from Existing Actions				0.0	0.3	0.9	2.4	5.6
Projected GHG Emissions After Existing Actions				98.5	106.5	111.5	115.1	126.2
Targets Recommended by CECAC								
Total GHG Reductions from CECAC Policies						14.1	30.2	57.0
Difference Between CECAC Reductions & Targets						98.4	89.5	74.7
Projected Emissions After Quantified CECAC Reductions						98.4	89.5	74.7

Draft SC GHG Supply Curve (Completed & Pending Options)



SC GHG Reductions 2020 (Completed & Pending Options)



Final Report Process

- Completion of policy templates, inventory and forecast report, based on CECAC meeting results
- Production of first draft of full report and appendices by CCS for CECAC review and comment
- Final draft completed by CCS for final review and comment
- Report transmitted by CCS to the Governor on behalf of CECAC

Public Input, Announcements