



New Mexico Climate Change Advisory Group

TRANSPORTATION AND LAND USE TECHNICAL WORK GROUP CALL #7

APRIL 25, 2006



TODAY'S AGENDA

- **CALL TO ORDER AND ROLL CALL**
- **REVIEW AND APPROVAL OF LAST CALL SUMMARY**
- **REVIEW OF TWG DRAFT POLICY OPTION PROPOSALS FOR CCAG REVIEW**
- **DISCUSSION OF ANY SUGGESTED MODIFICATIONS TO THE TWG LIST OF DRAFT POLICY OPTIONS**
- **REVIEW PROCESS FOR CCAG APPROVAL OF STRAW PROPOSALS AND OPTIONS LIST**
- **DISCUSSION OF CONTRIBUTING ISSUES MATRIX**
- **DISCUSSION OF ECONOMIC ANALYSIS OF DRAFT OPTIONS, INCLUDING MATRIX AND POLICY TEMPLATE**
- **DISCUSSION OF NM EXECUTIVE ORDER TARGET LEVELS**
- **PROPOSED AGENDA ITEMS FOR NEXT TWG CALL**
- **CALL TO THE PUBLIC & OTHER ANNOUNCEMENTS**

PART 1

- **REVIEW AND APPROVAL OF DRAFT POLICY OPTIONS AND NEXT STEPS FOR THE CCAG**

LIST OF DRAFT POLICY OPTIONS

- **REFER TO HANDOUTS WITH DRAFT
POLICY OPTIONS**

MODIFICATIONS TO DRAFT POLICY OPTIONS LIST?

- **ANY SUGGESTED ADDITIONS OR DELETIONS TO THE DRAFT POLICY LIST FOR CCAG APPROVAL?**
 - **REVIEW AND DISCUSS AS NEEDED**

NEXT STEPS FOR DRAFT OPTIONS

- **THREE POTENTIAL NEXT STEPS FOR EACH DRAFT POLICY OPTION:**
 1. **QUANTIFY BASED ON TWG STRAW PROPOSALS, OR...**
 2. **DEVELOP QUALITATIVE MATERIAL FOR OPTIONS NOT TO BE QUANTIFIED, OR...**
 3. **QUANTIFY BASED ON CCS DEVELOPED STRAW PROPOSALS WHERE TWG STRAW PROPOSAL IS LACKING, OR...**
 4. **CONTINUE TWG DEVELOPMENT OF STRAW PROPOSALS AND THEN PROCEED TO QUANTIFICATION**

CCAG CONSIDERATION OF OPTIONS

- **TWG LEADER PRESENTS OPTIONS LIST, BRIEF DESCRIPTION, SUGGESTED NEXT STEPS BY TWG**
- **TWG MEMBERS PROVIDE ADDITIONAL BACKGROUND AS NEEDED**
- **CLARIFYING QUESTIONS BY CCAG**
- **ASK FOR ANY OBJECTIONS BY THE CCAG**
- **IF ANY, REQUEST EXPLANATION AND PROPOSED ALTERNATIVES, THEN VOTE AS NEEDED**
- **IF NOT, FINALIZE NEXT STEPS FOR THE OPTION**

PART 2

- **CONTRIBUTING ISSUES MATRIX AND POLICY TEMPLATE**
 - REFER TO HANDOUTS
- **ECONOMIC ANALYSIS METHODS FOR DRAFT POLICY OPTIONS APPROVED BY THE CCAG**
 - REFER TO HANDOUT
- **REVIEW OF TARGET LEVELS FROM THE NM GHG INVENTORY AND FORECAST**

NM GHGs - PRODUCTION

(Million Metric Tons CO ₂ e)	1990	2000	2010	2020
Energy	62.6	74.2	79.7	90.9
Electricity Production	29.5	33.2	33.3	38.1
Transportation Fuel Use	11.0	14.2	17.6	22.3
Fossil Fuel Industry	15.2	19.5	20.3	20.7
Res/Comm/Other Ind. Fuel Use	7.0	7.3	8.5	9.9
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Other	5.9	8.7	9.7	10.8
Industrial Processes	0.5	1.5	2.0	2.8
Agriculture	4.5	6.0	6.4	6.7
Waste Management	0.8	1.2	1.4	1.2
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Gross Emissions	68.5	82.9	89.4	101.7
<i>change relative to 1990</i>		+21%	+31%	+48%
<i>change relative to 2000</i>			+8%	+23%
Forestry and Land Use	-20.9	-20.9	-20.9	-20.9
	Ž	Ž	Ž	Ž
Net Emissions (includes Forestry and Land Use)	47.6	62.0	68.5	80.8
<i>change relative to 1990</i>		+30%	+44%	+70%
<i>change relative to 2000</i>			+11%	+30%
Per Capita Gross Emissions (Mt)	45	46	42	43
Per Capita Net Emissions (Mt)	31	34	32	34

NM GHGs - CONSUMPTION

(Million Metric Tons CO ₂ e)	1990	2000	2010	2020
Energy	39.2	46.7	54.3	66.6
<i>Electricity Use</i>	15.8	19.7	21.4	26.4
Transportation Fuel Use	11.0	14.2	17.6	22.3
<i>Fossil Fuel Industry</i>	5.4	5.4	6.8	8.1
Res/Comm/Other Ind. Fuel Use	7.0	7.3	8.5	9.9
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Other	5.9	8.7	9.7	10.8
Industrial Processes	0.5	1.5	2.0	2.8
Agriculture	4.5	6.0	6.4	6.7
Waste Management	0.8	1.2	1.4	1.2
Gross Emissions	45.1	55.4	64.0	77.3
<i>change relative to 1990</i>		+23%	+42%	+72%
<i>change relative to 2000</i>			+16%	+40%
Forestry and Land Use	-20.9	-20.9	-20.9	-20.9
Net Emissions (incl. forestry)	24.2	34.5	43.1	56.4
<i>change relative to 1990</i>		+43%	+78%	+134%
<i>change relative to 2000</i>			+25%	+64%
Per Capita Gross Emissions	30	30	30	32
Per Capita Net Emissions	16	19	20	24

NM INVENTORY & FORECAST

GHGs IN MMTCO₂E

Consumption Basis Net				
Year	1990	2000	2012	2020
GHG Emissions	24.2	34.5	45.8	56.4
Targets			34.5	31.1
Delta			11.3	25.4
Consumption Basis Gross				
Year	1990	2000	2012	2020
GHG Emissions	45.1	55.4	66.7	77.3
Targets			55.4	49.9
Delta			11.3	27.4
Production Basis Net				
Year	1990	2000	2012	2020
GHG Emissions	47.6	62.0	71.0	80.8
Targets			62.0	55.8
Delta			9.0	25.0
Production Basis Gross				
Year	1990	2000	2012	2020
GHG Emissions	68.5	82.9	91.9	101.7
Targets			82.9	74.6
Delta			9.0	27.1

NEXT TWG CALL

- **PROPOSED AGENDA ITEMS**
 - **DATE & TIME**
 - **REVIEW AND DISCUSS RESULTS OF CCAG MEETING**
 - **REVISE DRAFT POLICY OPTIONS IF/AS NEEDED**

PUBLIC INPUT, ANNOUNCEMENTS

- **PUBLIC INPUT?**
- **OTHER ANNOUNCEMENTS?**