



New Mexico Climate Change Advisory Group

# ENERGY SUPPLY TECHNICAL WORK GROUP CALL #11 APRIL 25, 2006



# TODAY'S AGENDA

- **CALL TO ORDER AND ROLL CALL**
- **REVIEW AND APPROVAL OF CALL #10 (4/14/06) SUMMARY**
- **REVIEW OF STRAW PROPOSAL FOR REMAINING POLICY OPTION (ES-14, CAP & TRADE; SEE "GROUP E" DOCUMENT)**
- **REVIEW OF TWG DRAFT POLICY OPTION PROPOSALS FOR CCAG REVIEW & NEXT STEPS**
- **DISCUSSION OF ANY ADDITIONAL 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 QUANTIFICATION PROCEDURES FOR DRAFT OPTIONS AND POLICY TEMPLATE**
- **DISCUSSION OF TARGET LEVELS, NM GHG INVENTORY & FORECAST**
- **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

- **FOUR 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 MEETING

- **CCAG APPROVAL OF DRAFT POLICY OPTIONS AND NEXT STEPS**
  - **TWG LEADER PRESENTS OPTIONS LIST, BRIEF DESCRIPTION, SUGGESTED NEXT STEPS BY TWG**
  - **TWG MEMBERS PROVIDE ADDITIONAL BACKGROUND AS NEEDED**
  - **CLARIFYING QUESTIONS BY CCAG TO TWG MEMBERS AND TWG LEADER**
  - **ASK FOR ANY OBJECTIONS BY THE CCAG RELATED TO PROPOSED NEXT STEPS**
  - **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 HANDOUT
- **QUANTIFICATION METHODS FOR DRAFT POLICY OPTIONS APPROVED BY THE CCAG**
  - REFER TO HANDOUT
- **REVIEW OF TARGET LEVELS FROM THE NM GHG INVENTORY AND FORECAST**

# INDIVIDUAL POLICY TEMPLATE

- **ITEMS NEARING COMPLETION NOW:**
  - POLICY DESCRIPTION
  - INITIAL DESIGN PARAMETERS AND POTENTIAL IMPLEMENTATION MECHANISMS
  - BAU POLICIES/PROGRAMS
  - TYPES(S) OF GHG BENEFIT(S)
- **ITEMS UNDER DEVELOPMENT:**
  - **ESTIMATED GHG SAVINGS AND COSTS PER MMTCO<sub>2</sub>E**
  - DATA SOURCES, METHODS AND ASSUMPTIONS
  - KEY UNCERTAINTIES
  - **CONTRIBUTING ISSUES**
  - DESCRIPTION OF FEASIBILITY ISSUES, IF NEEDED
  - STATUS OF GROUP APPROVAL

# NM GHGs - PRODUCTION

(Million Metric Tons CO2e)	1990	2000	2010	2020
<b>Energy</b>	<b>62.6</b>	<b>74.2</b>	<b>79.7</b>	<b>90.9</b>
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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<b>Other</b>	<b>5.9</b>	<b>8.7</b>	<b>9.7</b>	<b>10.8</b>
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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<b>Gross Emissions</b>	<b>68.5</b>	<b>82.9</b>	<b>89.4</b>	<b>101.7</b>
<i>change relative to 1990</i>		+21%	+31%	+48%
<i>change relative to 2000</i>			+8%	+23%
<b>Forestry and Land Use</b>	<b>-20.9</b>	<b>-20.9</b>	<b>-20.9</b>	<b>-20.9</b>
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<b>Net Emissions (includes Forestry and Land Use)</b>	<b>47.6</b>	<b>62.0</b>	<b>68.5</b>	<b>80.8</b>
<i>change relative to 1990</i>		+30%	+44%	+70%
<i>change relative to 2000</i>			+11%	+30%
<b>Per Capita Gross Emissions (Mt)</b>	45	46	42	43
<b>Per Capita Net Emissions (Mt)</b>	31	34	32	34

# NM GHGs - CONSUMPTION

(Million Metric Tons CO <sub>2</sub> e)	1990	2000	2010	2020
<b>Energy</b>	<b>39.2</b>	<b>46.7</b>	<b>54.3</b>	<b>66.6</b>
<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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<b>Other</b>	<b>5.9</b>	<b>8.7</b>	<b>9.7</b>	<b>10.8</b>
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
<b>Gross Emissions</b>	<b>45.1</b>	<b>55.4</b>	<b>64.0</b>	<b>77.3</b>
<i>change relative to 1990</i>		+23%	+42%	+72%
<i>change relative to 2000</i>			+16%	+40%
<b>Forestry and Land Use</b>	<b>-20.9</b>	<b>-20.9</b>	<b>-20.9</b>	<b>-20.9</b>
<b>Net Emissions (incl. forestry)</b>	<b>24.2</b>	<b>34.5</b>	<b>43.1</b>	<b>56.4</b>
<i>change relative to 1990</i>		+43%	+78%	+134%
<i>change relative to 2000</i>			+25%	+64%
<b>Per Capita Gross Emissions</b>	30	30	30	32
<b>Per Capita Net Emissions</b>	16	19	20	24

# NM INVENTORY & FORECAST

## GHGs IN MMTCO<sub>2</sub>E

<b>Consumption Basis Net</b>				
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
<b>Consumption Basis Gross</b>				
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
<b>Production Basis Net</b>				
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
<b>Production Basis Gross</b>				
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?**