



New Mexico Climate Change Advisory Group

TRANSPORTATION AND LAND USE TECHNICAL WORK GROUP CONFERENCE CALL #1

SEPTEMBER 19, 2005



TODAY'S AGENDA

1. **CALL TO ORDER**
2. **INTRODUCTION OF TECHNICAL WORK GROUP (TWG) MEMBERS**
3. **REVIEW OF TWG ORGANIZATION AND LOGISTICS**
4. **REVIEW AND DISCUSSION OF THE DRAFT GHG EMISSIONS INVENTORY AND FORECAST FOR OUR SECTOR**
5. **REVIEW AND DISCUSSION OF LIST OF POTENTIAL STATE ACTIONS**
6. **DISCUSSION OF NEXT STEPS TOWARD IDENTIFICATION OF PRIORITIES FOR ANALYSIS OF OPTIONS**
7. **CALL TO THE PUBLIC FOR ADDITIONAL COMMENTS AND INPUT**
8. **PROPOSED AGENDA ITEMS FOR NEXT MEETING**
9. **ANNOUNCEMENTS**

AGENDA ITEMS 1-3

- **CALL TO ORDER**
- **INTRODUCTION OF TECHNICAL WORK GROUP MEMBERS**
- **REVIEW OF TECHNICAL WORK GROUP ORGANIZATION AND LOGISTICS**
 - **REVIEW OF GROUND RULES**

AGENDA ITEM 4

- **REVIEW AND DISCUSSION OF THE DRAFT
NEW MEXICO GREENHOUSE GAS
EMISSIONS INVENTORY AND FORECAST
FOR OUR SECTOR**

NEW MEXICO GHG EMISSIONS

- **INVENTORY AND REFERENCE CASE PROJECTIONS**
 - **INITIAL ANALYSIS BY CCS FOR FURTHER DISCUSSION AND REVISION**
 - **INVENTORY OF HISTORICAL EMISSIONS FROM 1990 TO MOST RECENT DATA YEAR (2000-2004, DEPENDING ON SECTOR)**
 - **PROJECTION OF EMISSIONS TO 2020**

COVERAGE

- **SIX GASES PER USEPA AND UNFCCC GUIDELINES**
 - CARBON DIOXIDE (CO₂), METHANE (CH₄), NITROUS OXIDE (N₂O), HYDROFLUOROCARBONS (HFCs), PERFLUOROCARBONS (PFCs), SULFUR HEXAFLUORIDE (SF₆)
 - BLACK CARBON CONSIDERED SEPARATELY
- **ALL MAJOR EMITTING SECTORS**
 - ELECTRICITY
 - RESIDENTIAL, COMMERCIAL, INDUSTRIAL FUEL USE
 - TRANSPORTATION
 - AGRICULTURE AND FORESTRY
 - INDUSTRIAL PROCESSES AND OTHER SOURCES

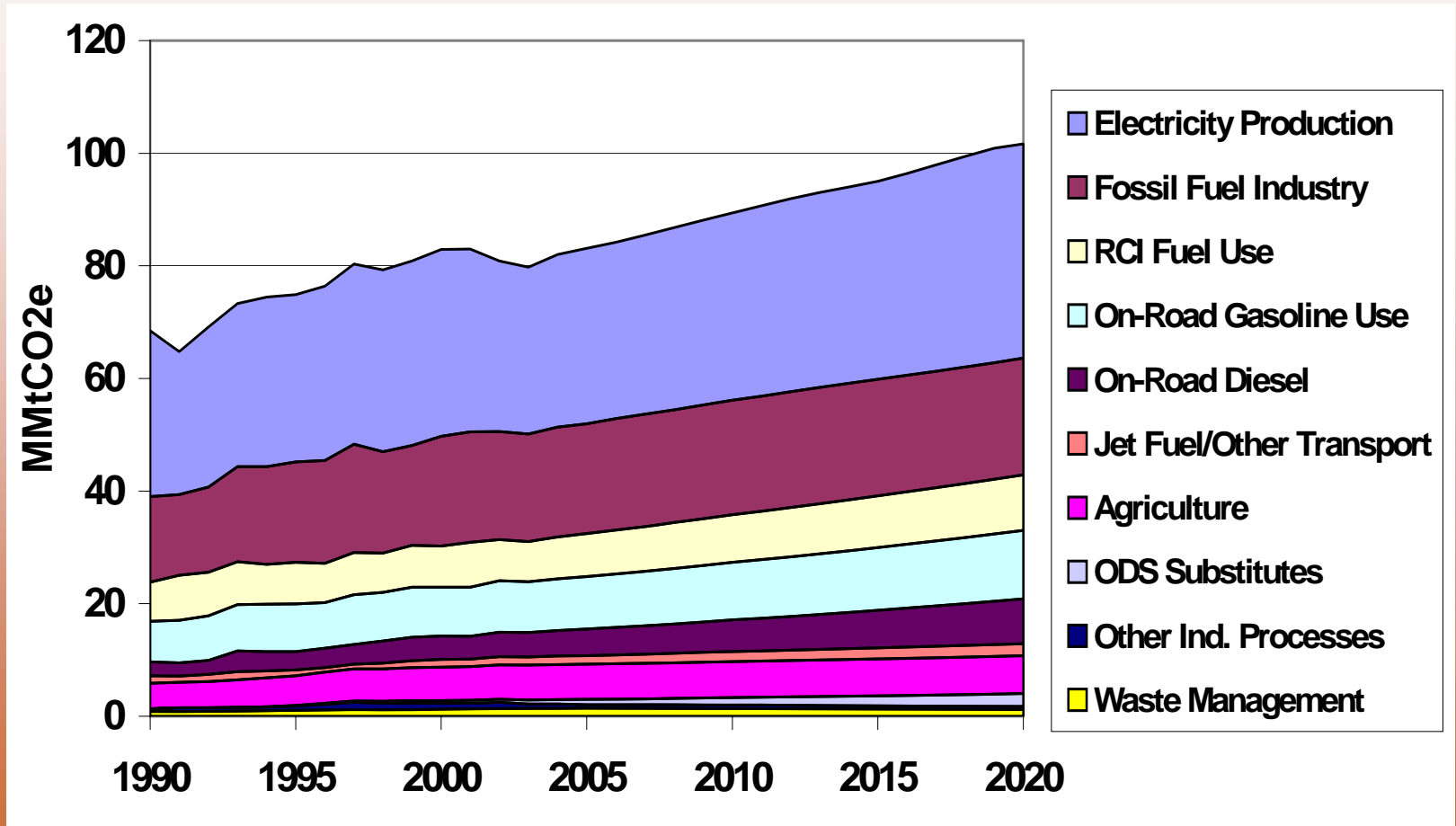
INVENTORY APPROACH

- **STANDARD US EPA AND UN METHODOLOGIES, GUIDELINES, AND TOOLS**
- **EMPHASIS ON TRANSPARENCY, CONSISTENCY, AND SIGNIFICANCE**
- **PREFERENCE FOR NEW MEXICO OR REGIONAL DATA, WHERE AVAILABLE**
- **CONSUMPTION AND PRODUCTION-BASIS EMISSIONS FROM ELECTRICITY GENERATION**
 - **VERY SIMPLIFIED APPROACH USED FOR INITIAL ANALYSIS**

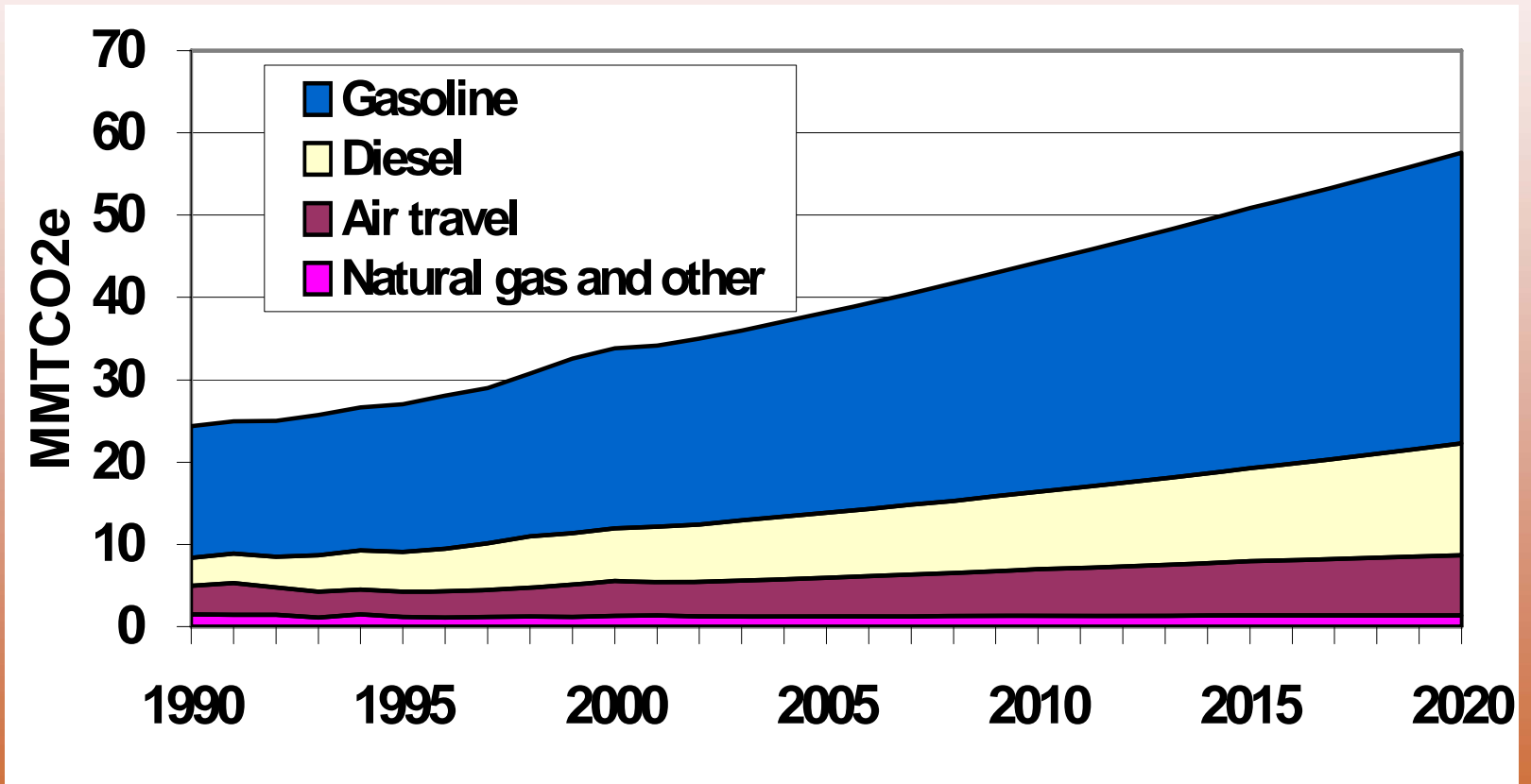
PROJECTION APPROACH

- **REFERENCE CASE ASSUMES NO MAJOR CHANGES FROM BUSINESS-AS-USUAL**
 - INCLUDES APPROVED POLICIES AND ACTIONS TO THE EXTENT POSSIBLE (E.G. ENVIRONMENTAL PORTFOLIO STANDARD)
- **GROWTH ASSUMPTIONS FROM EXISTING SOURCES**
 - ELECTRICITY DEMAND GROWTH FROM NM CORPORATION COMMISSION
 - POPULATION AND ECONOMIC FORECASTS FROM NM DEPARTMENT OF ECONOMIC SECURITY
 - SEVERAL ASSUMPTIONS FROM US DOE'S ANNUAL ENERGY OUTLOOK 2005

NEW MEXICO GHG EMISSIONS



TRANSPORTATION



TRANSPORTATION

- **DATA SOURCES**

- NM DOT FUEL CONSUMPTION DATA FOR DIESEL AND GASOLINE
- TELLUS CALCULATION FOR ETHANOL PORTION OF FUELS
- EIA SEDS FOR NATURAL GAS AND OTHER FUELS
- NEW MEXICO 2025 STATEWIDE MULTIMODAL TRANSPORTATION PLAN REPORT
- PERSONAL COMMUNICATIONS

- **METHODS**

- USE EXISTING STATE AND FEDERAL FUEL ESTIMATES WITH GHG CONVERSIONS

TRANSPORTATION

- **KEY ASSUMPTIONS AND UNCERTAINTIES**
 - **PASSENGER TRAVEL (VMT) PROJECTIONS**
 - CCS ASSUMED 1.9%/YR GROWTH PER “2025 REPORT”
 - **FREIGHT TRAVEL (VMT) PROJECTIONS**
 - “2025 REPORT” CITES POTENTIAL FOR “DOUBLING IN 10 YEARS” WHICH IMPLIES GROWTH OF 7.2%/YR
 - CCS ASSUMED 1/2 OF THIS, I.E., 3.6%/YR
 - **PROJECTED CHANGES IN VEHICLE FUEL ECONOMY**
 - CCS ASSUMED NO CHANGE
 - USDOE ANNUAL ENERGY OUTLOOK EXPECTS SLIGHT IMPROVEMENT, AND GAS PRICES ARE INCREASING

AGENDA ITEM 5

- **REVIEW AND DISCUSSION OF LIST OF POTENTIAL STATE ACTIONS**
- **(SEE MATRIX OF POTENTIAL ACTIONS)**

DECISION CRITERIA

- **GHG REDUCTION POTENTIAL**
- **COST EFFECTIVENESS**
- **CO-BENEFITS AND ANCILLARY IMPACTS**
- **FEASIBILITY ISSUES**

TRANSPORTATION & LAND USE

- **MAJOR CATEGORIES OF OPTIONS IN MATRIX**
 - **PASSENGER VEHICLE GHG EMISSION RATES**
 - **LAND USE AND LOCATION EFFICIENCY**
 - **INCREASING LOW GHG TRAVEL OPTIONS**
 - **FREIGHT**

AGENDA ITEM 6

- **DISCUSSION OF NEXT STEPS TOWARD IDENTIFICATION OF PRIORITIES FOR ANALYSIS OF OPTIONS**

AGENDA ITEM 7

- **CALL TO THE PUBLIC**

AGENDA ITEM 8

- **PROPOSED AGENDA ITEMS FOR NEXT CALL**
 - **CONTINUED DEVELOPMENT OF PRIORITIES FOR ANALYSIS?**
 - **CONTINUED DISCUSSION OF INVENTORY AND REFERENCE CASE?**

AGENDA ITEM 9

- ANNOUNCEMENTS