

# Baltimore Peer Review

Expert Peer Panel Meeting  
September 23 & 24, 2004





***Baltimore Metropolitan Council***  
***2700 Lighthouse Point East, Suite 310***  
***Baltimore, Maryland 21224-4774***

*Meeting Notice*

*Baltimore Peer Review*

*Expert Peer Panel Meetings: September 23rd-24th, 2004*

**Time: 9/23: 8:30 AM to 5 PM**

**9/24: 8:30 AM to 2:30 PM**

**Location: BMC, Third Floor, 2700 Lighthouse Point East**

**Meeting Room: Conference Rooms A & B**

*Agenda*

**Thursday, September 23rd**

- 8:30 Welcome and Introductions – Harvey S. Bloom**
- 8:45 Overview of the Peer Review Process – Gene Bandy**
- 9:00 Purpose of the Meetings and Charge to the Panel – Frank Spielberg**
- 9:15 User Applications for the Model and Key Issues – Charles Baber**
  - **Coordinating Committee**

■ **Local/State Users**

**Anne Arundel County: George Cardwell**

**Howard County: Benjamin Pickar**

**Maryland Department of Transportation:**

**Ron Spalding**

■ **Citizen Advisory Committee/Public**

■ **BMC Staff**

**10:00 BREAK**





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- 10:15** Demographic Forecasting Process and Trends – Paul Gilliam
- 10:30** Current Modeling Practice – BMC Staff
- Model Overview – (20 minutes)
  - Transportation Network – (20 minutes)
  - Truck/Commercial Vehicle Model (20 minutes)
  - Trip Generation – (15 minutes)
- 12:00** LUNCH
- 12:30** Current Modeling Practice (Continued)
- Trip Distribution – (10 minutes)
  - Post Distribution Stratification – (10 minutes)
  - Mode Choice –(25 minutes)
  - Trip Assignment – (15 minutes)
- 1:30** Questions from Panel
- 1:45** Overview of Model Validation Results – Matthew de Rouville
- 2:30** BREAK
- 2:45** Overview of Emissions Modeling Process – Charles Baber
- 3:15** Current Model Development Work Plan – BMC Staff
- 4:00** Question/Answer Session between Panel, BMC Staff and Others
- 5:00** Adjournment





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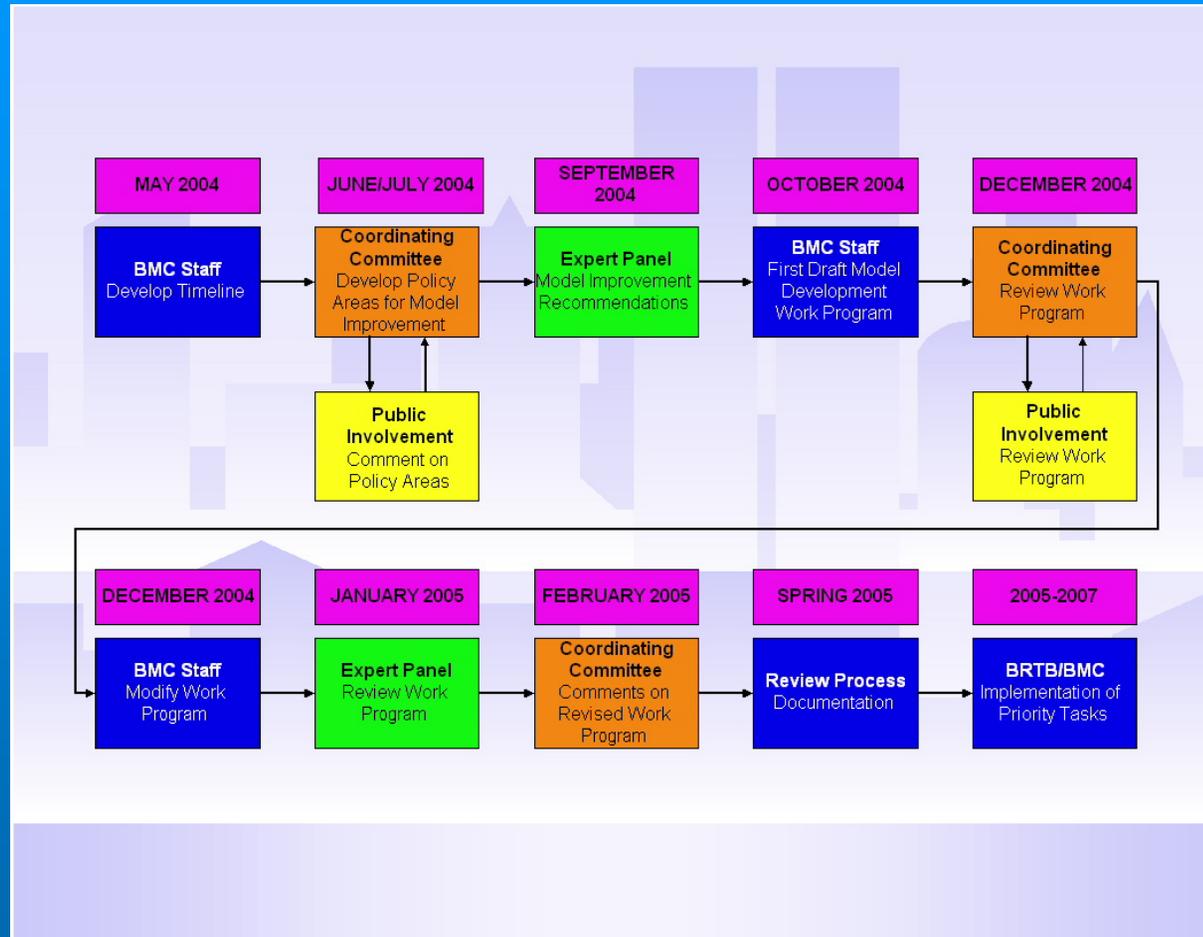
***Agenda***

**Friday, September 24th**

- 8:30 Panel Deliberation (Executive Session)**
- 11:00 Presentation of Panel Recommendations**
- 12:15 LUNCH**
- 1:00 Open Forum/Exchange of Ideas**
- 2:30 Adjournment**

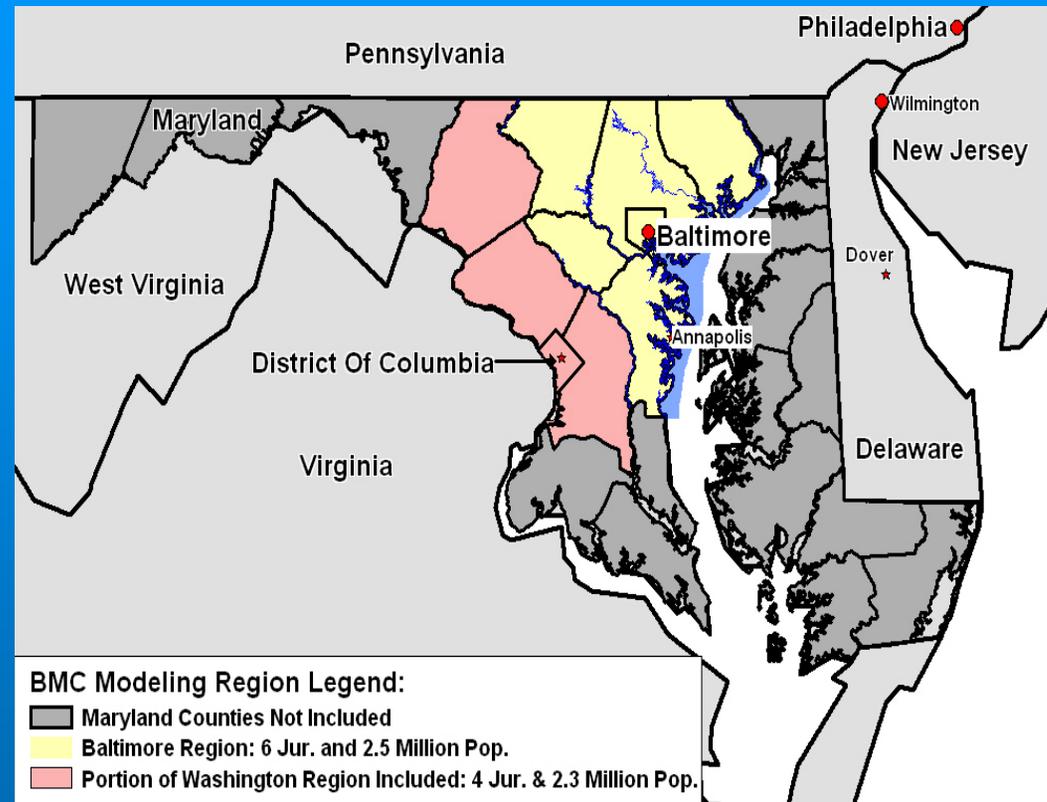


# Model Peer Review Process



# Baltimore Modeling Region

- 6 Member Jurisdictions
- 10 County Model Region
- Severe 1 Hour Ozone Non-Attainment Area
- Moderate 8 Hour Ozone Non-Attainment Area
- Proposed PM 2.5 Non-Attainment Area



# The Baltimore Region

**2,240 Square Miles**

**2.5 Million People**

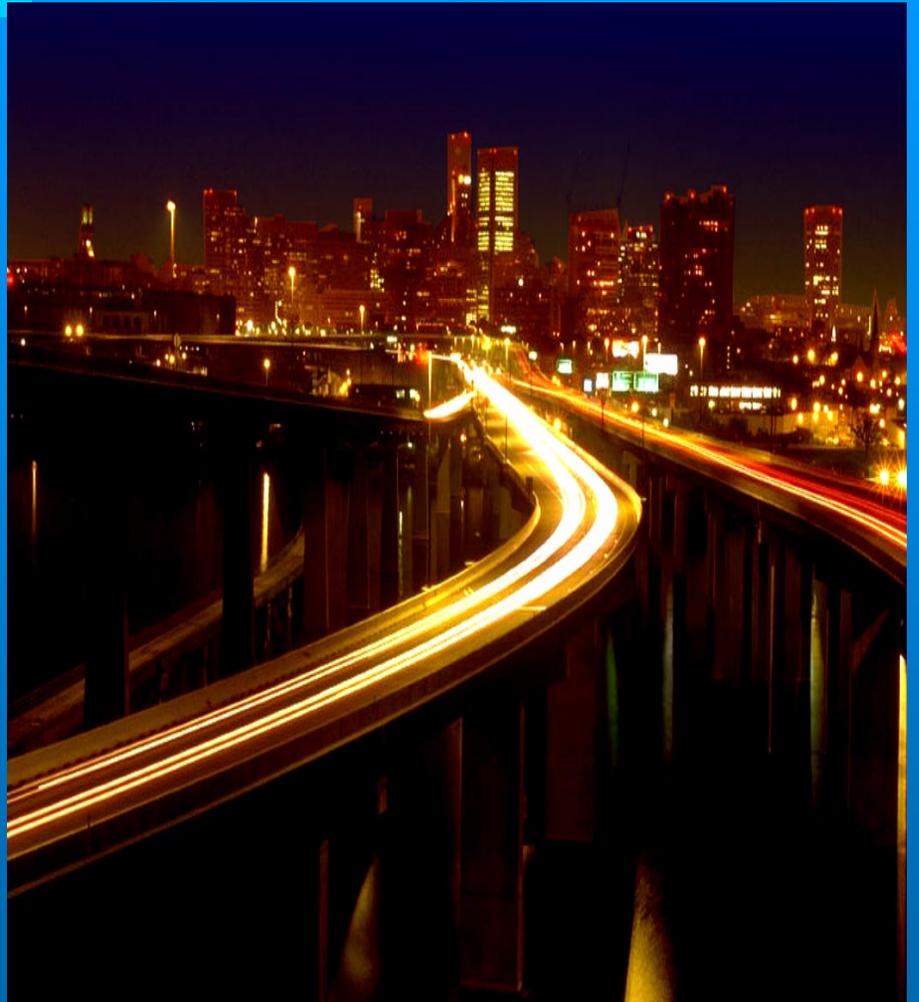
**960,000 Households**

**10,700 Centerline Highway  
Miles**

**3.2% Interstate/Freeway  
Which Carry 45% of Regional  
VMT**

**24.9 Daily Vehicle Miles  
Traveled per Capita**

**44 Daily Vehicle Minutes  
Traveled per Capita**



# Highway Network



# Baltimore Region Transit

## Maryland Mass Transit Administration - Regional Transit Provider

- Local bus
- Light Rail (29 miles)
- Heavy Rail (15 miles)
- MARC Commuter Rail (112 miles) to Baltimore and Washington

## 2000 Average Weekday Boardings

- Heavy Rail - 48,000
- Light Rail – 27,000
- Commuter Rail – 23,000
- Bus – 239,000

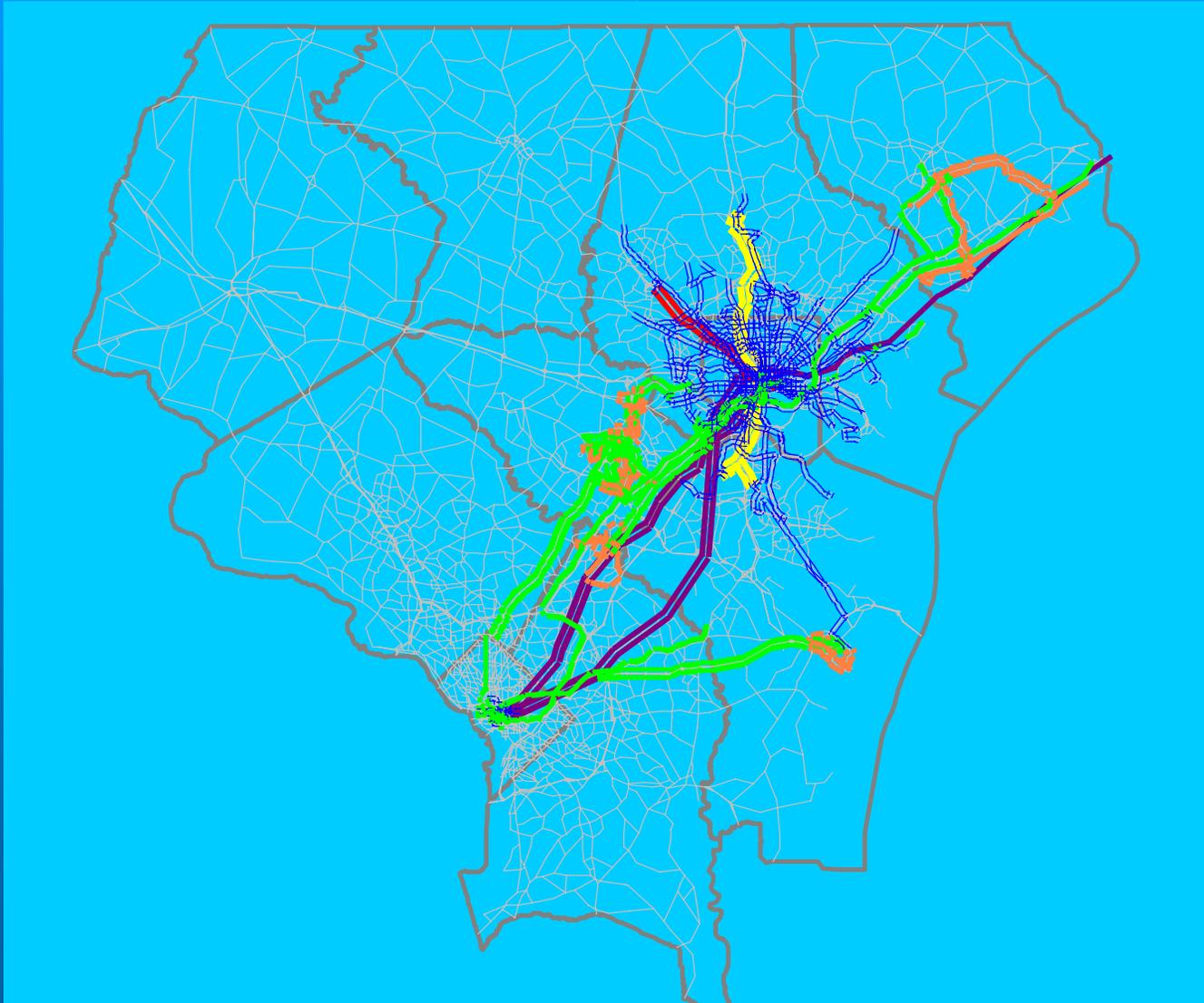
## Three Local Transit Systems – 2000 Average Weekday Boardings

- Harford - 600
- Howard - 800
- City of Annapolis - 2,900

Howard Transit



# Transit Network



# Baltimore Regional Transportation Board (BRTB)

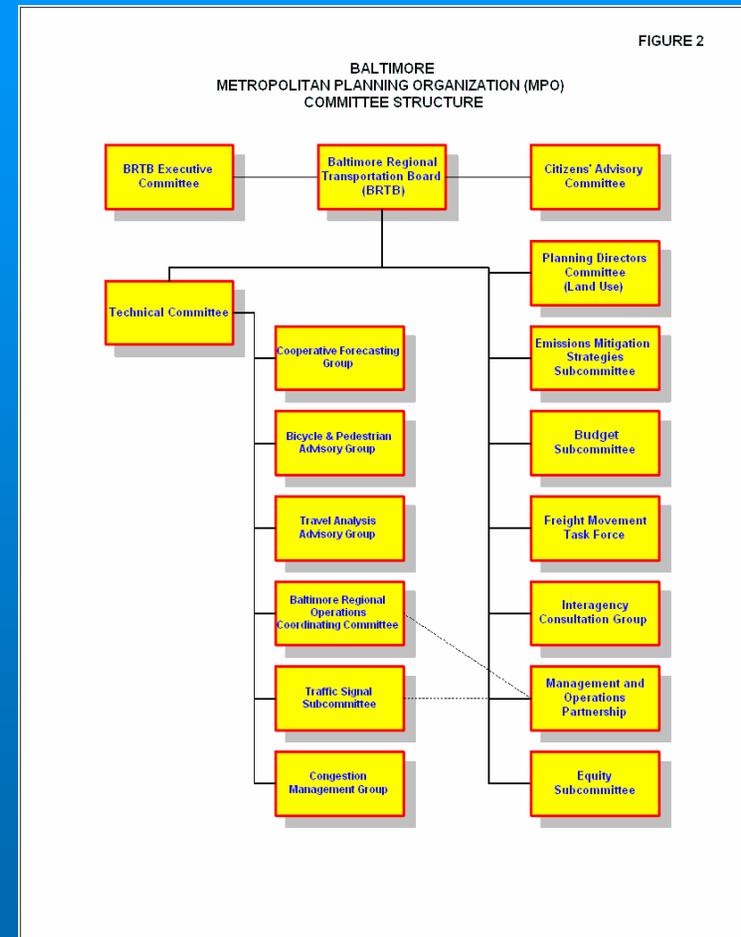
Designated MPO for the Baltimore Region

8 Voting Members and 2 Non-Voting Members

Elected Officials Meet Four Times a Year

Technical, Cooperative Forecasting, and Interagency Consultation Group Meet Monthly

Other Committees Meet Quarterly or as Needed



# BMC Staff

## Three Sections

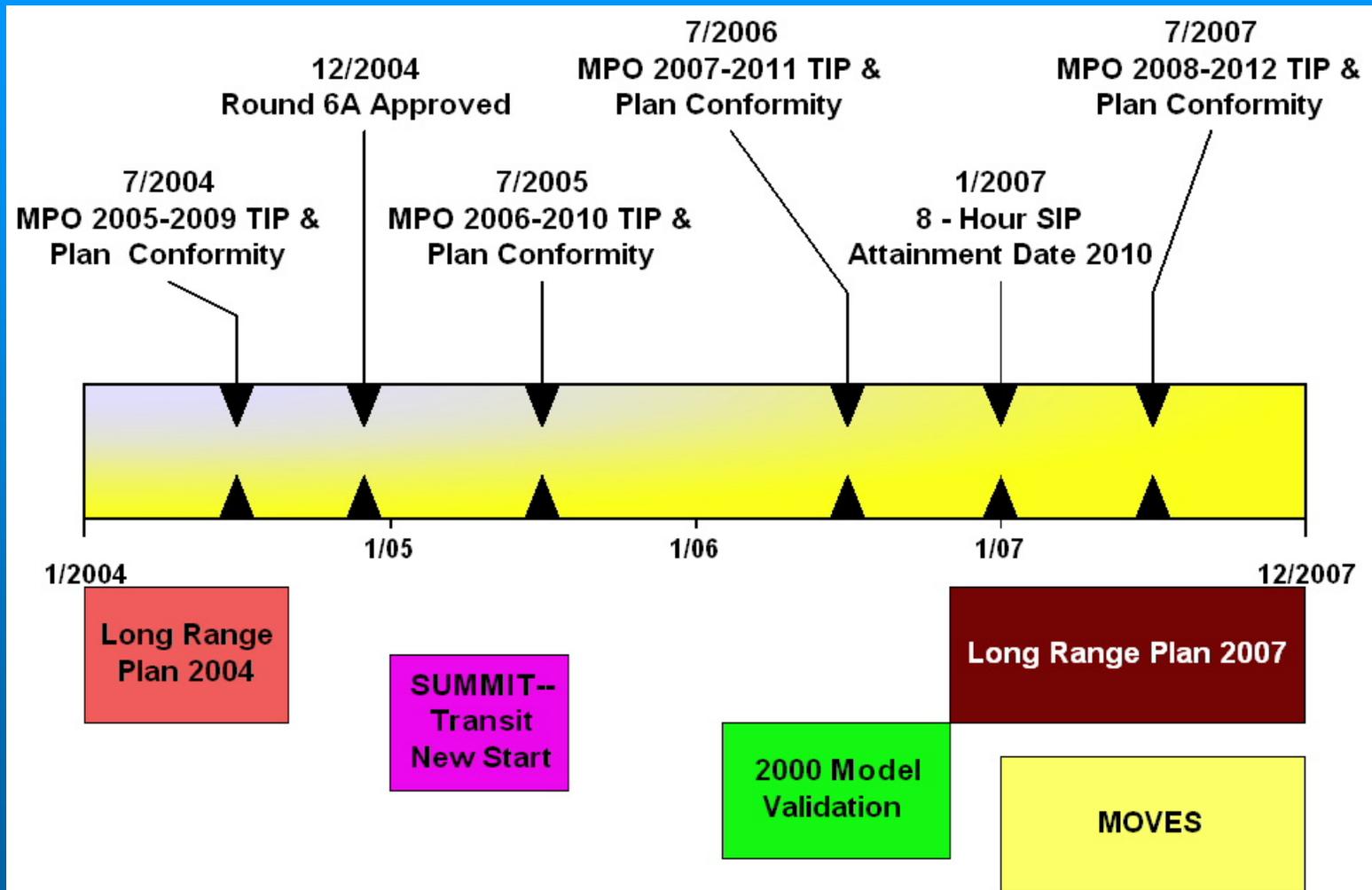
- Plan and Policy
- Technical Services
- Data Development

## Major Activities

- Long/Short Range Planning
- Air Quality Emission Modeling
- Data Collection & Analysis
- GIS Application and Mapping



# Timeline



# Timeline (Continued)

## Panel Recommendations Should Be Two-phased

- Short term
  - Improvements completed within 1-2 years
  - Coinciding with 8 Hour Ozone SIP, which for classified moderate non-attainment areas is due 2007
- Longer term
  - Beyond 2-year horizon
  - Procedures and methods to best meet local/state/public needs

