



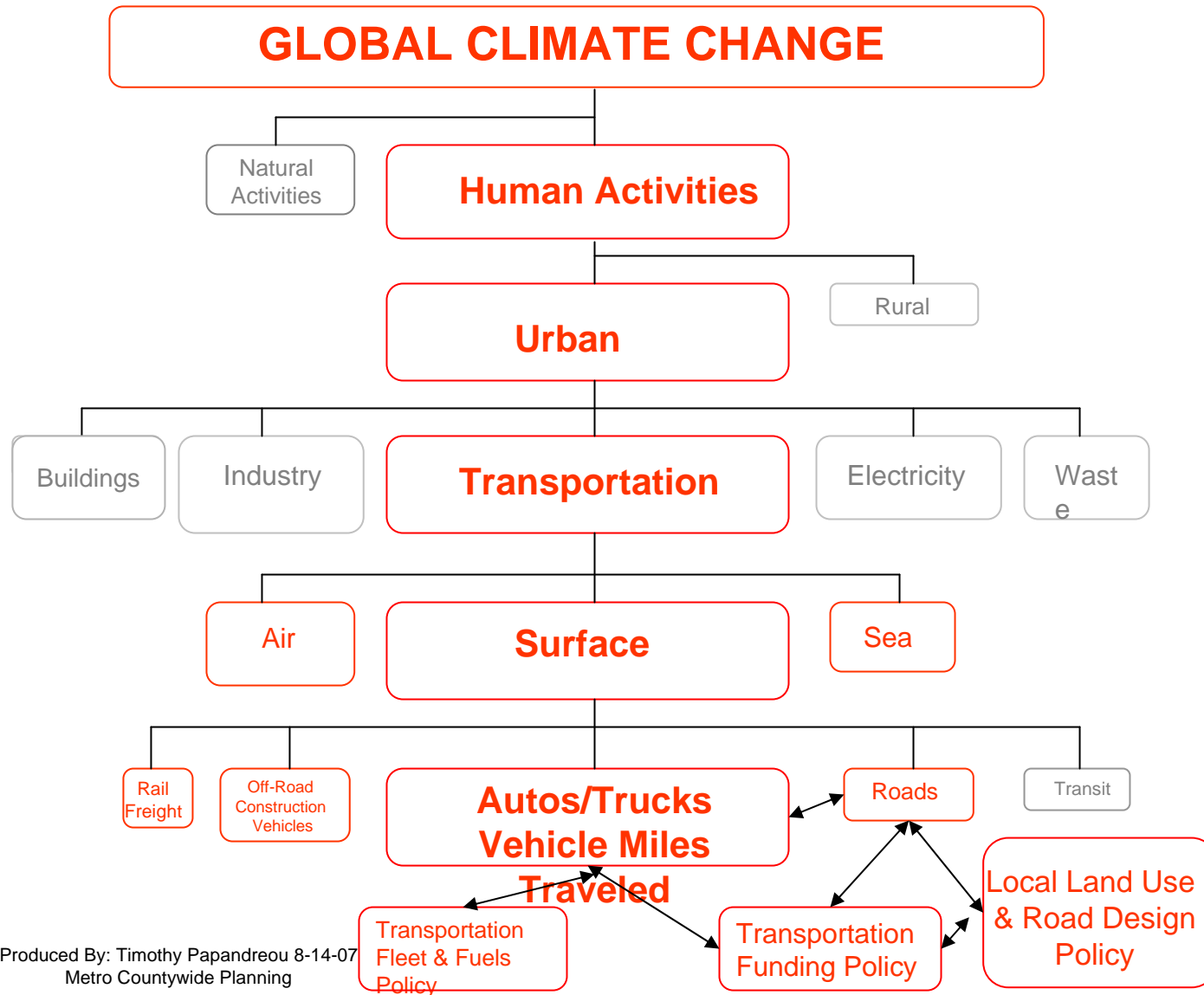
# Sustainability & Climate Change

Pam O'Connor  
Chair

Los Angeles County Metropolitan Transportation Authority  
May 28, 2008

# Transportation & Land-Use

## Key Drivers of Global Greenhouse Gas Emissions



# Urban Sustainability Strategies

Environment

Economy

Social Equity

## Sustainability Policies

### Energy & Resource Conservation

### Demand Management

#### Energy Efficiency

#### Sustainable Energy

#### Congestion Pricing

#### Parking Pricing

#### Smart Growth

Vehicle Technology

Green Operations

Fuel Technology

HOT Lanes

Area Road Pricing

Intelligent Transportation/ System Management

Pedestrian, Bike & Transit Green Streets

Pedestrian, Bike & Transit Mixed-Use Green Neighborhoods

Hybrid/Electric Propulsion

Energy/Waste Mgmt Systems

Low Carbon Fuels

New Stable Revenue Source

Mode Shifting

Green Design & Building Codes

Regenerative Braking

Green Construction/ Recycling

Energy Pricing

Walking

Car Sharing

Transit

Van/Car pool

Bicycling

Water Recycling/ Efficiency

Renewable Materials

Renewable Fuels/Power

Life Cycle Cost Savings

Performance Measures, Monitoring & Reporting

Produced By: Timothy Papandreou 5-8-08  
Metro Countywide Planning

Federal/State Policy

Local/State/Business Policy

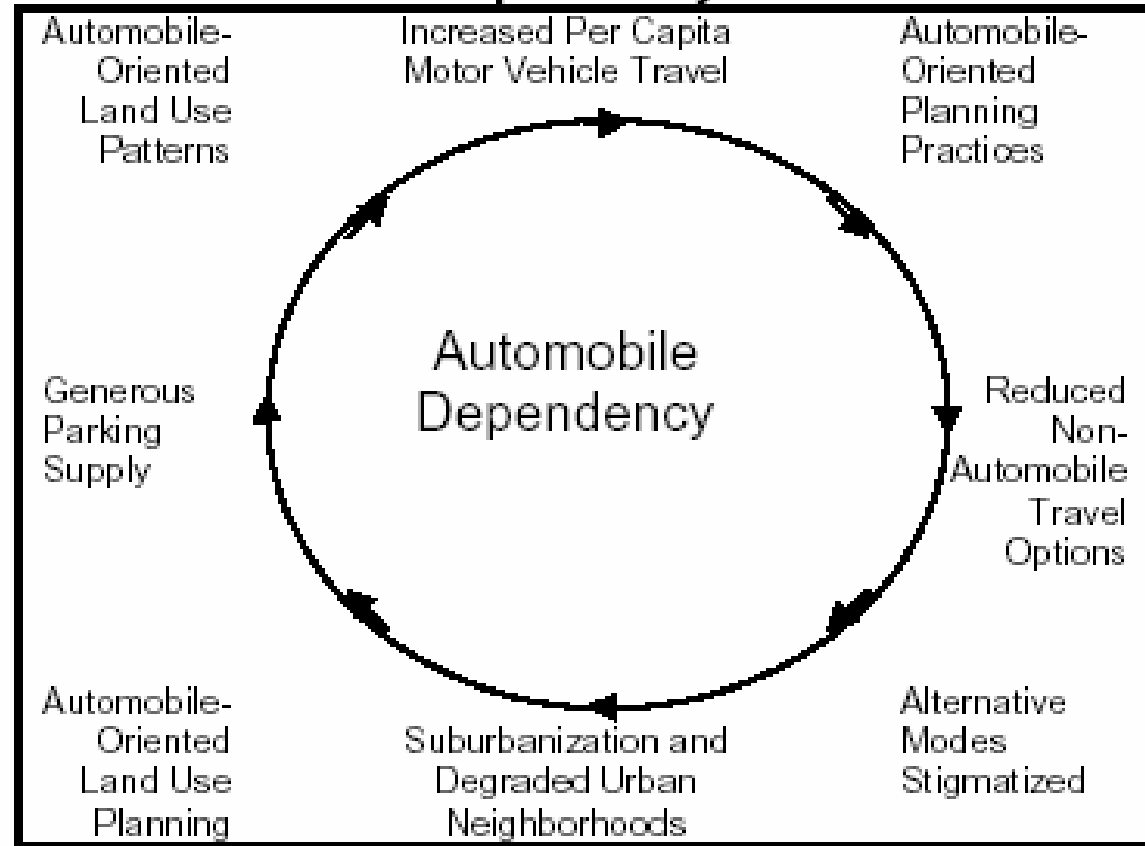
Local Land/Road Policy

Metro/Regional Agencies

The sum of all these policies reduces GHGE, Pollution and ensures the path to

# Challenge to Reducing GHG Emissions in Land Use/Transportation Planning & Programming

**Figure 3** Cycle of Automobile Dependency



© 1999-2007  
Todd Alexander Litman  
All Rights Reserved

*Individual market distortions reinforce the cycle of automobile dependency, leading to economically-excessive automobile ownership and use.*

## We have to break the Cycle!