



Sustaining Los Angeles: A Metro Perspective

National Conversation on Climate Action

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Metro

Outline

- **L.A.'s Mobility Challenges**
- **Metro's Environmental Program**
- **Policies and Climate Change Management**
- **Sustainable Capital Projects**
- **Regional Sustainability Outreach**
- **Questions/Discussions**

Transportation Challenges

- The Los Angeles region has its unique mobility challenges



OVER THE NEXT 25 YEARS:

- > 2-3 million more people
- > 1 million more jobs
- > 30 percent more trips
- > More complex travel patterns
- > Changing demographics
- > Doubling of cargo traffic
- > Highway speeds less than 20 mph (32 kph)

Who is the Los Angeles County Metropolitan Transportation Authority (Metro)?

Metro is the.....



regional transportation
planner



regional builder



regional transit operator

for Los Angeles County.

Metro's Programmatic Approach to the Environment

- The Environment is a closed system
- Four-pronged approach to environmental protection and enhancement
 - Environmental clearance and project impact mitigation
 - Remediation, restoration and enhancement of impacted sites
 - Accounting and reduction of environmental liabilities
 - Development, implementation and promotion of sustainable operations
- Reduced financial obligations and exposure
- Create value through more efficient operations
- Leads to our region's overall sustainability



Sustainable Policies and Initiatives

POLICIES

- Metro Environmental Policy (April 23, 2009)
- Metro Energy and Sustainability Policy
- Metro Construction and Demolition Debris Recycling and Reuse Policy
- Metro Environmental Liabilities Reduction and Reporting Policy
- Metro Sustainability Design Guidelines (Under Development)
- Metro Water Conservation Policy (Under Development)

BOARD DIRECTED INITIATIVES

- Metro Sustainability Ad Hoc Committee
- Metro Clean Air Task Force
- Metro Congestion Reduction Task Force
- Measure R Coordinating Committee



Defining Metro's Carbon Footprint

- **Metro Greenhouse Gas Inventory Report**
 - Completed in December 2008
 - **Methods**
 - Used 2007 as the baseline year
 - Used The Climate Registry General Protocol
 - Inventory was conducted on the basis of operational control
 - Report on carbon dioxide, methane, and nitrous oxide
 - **Follow-up Sustainability Report to be completed in June 2009**



Clean Air and Climate Change Management

- Emissions Reduction Initiatives
 - Nation's 1st and Largest Compressed Natural Gas (CNG) Fleet - 2,500 and growing
 - 97% less criteria pollutants compared to retired diesel buses
 - Newer vehicle technologies are always considered
 - Bus Idling Reduction program
 - Expansion of rail system that tap “Green” Power
 - All system vehicles have multi-mobility capabilities

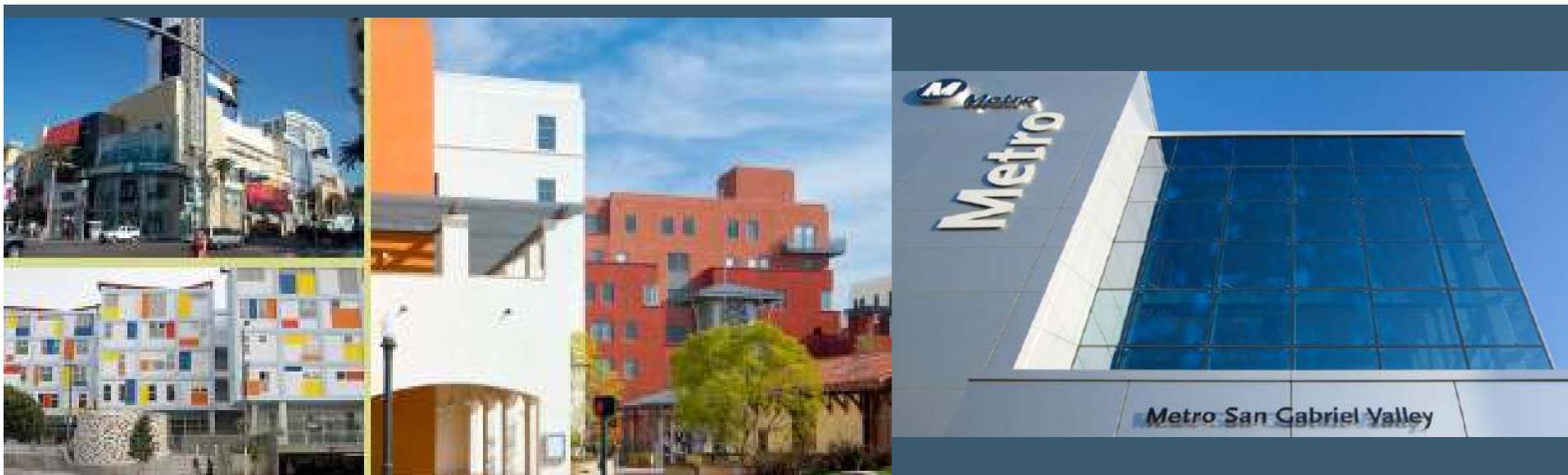


Alternative Commuting Initiatives



- Rideshare partnerships with employers, businesses & groups
- Promoting transit, carpooling, vanpooling, walking, biking, car-sharing & telecommuting among employees & students

Sustainable Buildings & Developments



- Leadership in Energy and Environmental Design-New Construction (LEED®-NC) Silver rating minimum goal on all new Metro projects and Transit-Oriented Developments
- LEED-Existing Buildings Operations and Maintenance (LEED®-EBOM) for retrofitting existing buildings

Metro's Renewable Energy Portfolio

Chatsworth



Sun Valley



Carson



Downtown LA



213KW

+

213KW

+

417KW

+

1000KW

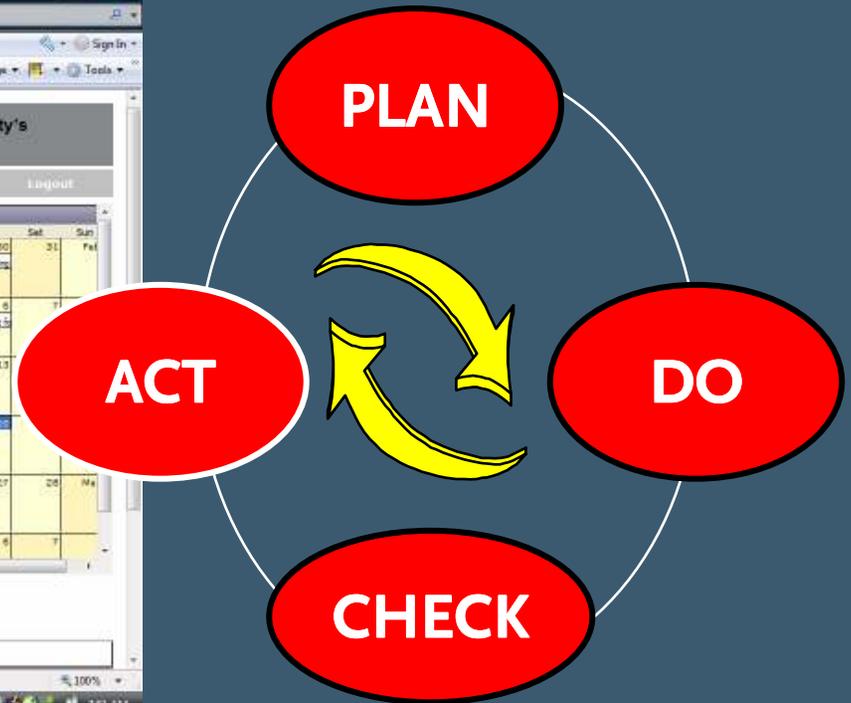
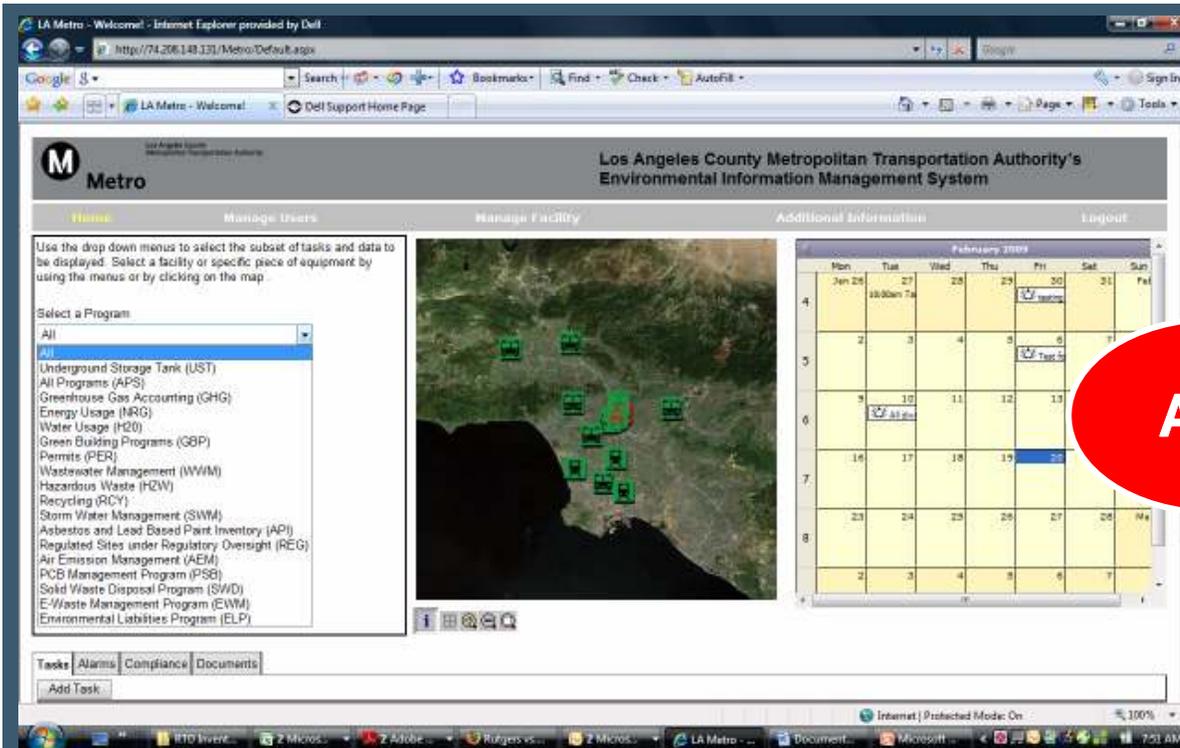
- Metro Facilities/Operations
- About 1.8 Megawatts of Power
- Power used by about 1,600 homes
- Largest Installation in the Transit Industry

Sustainable Capital Projects



- **Metro Orange Line (MOL) and MOL Canoga Extension**
 - Implementation of “LEED-like” sustainability principles
 - Integrated Pedestrian and Bicycle Paths
 - Landscaping and Transit Oriented Developments
- **Commitment in the Measure R Implementation to Incorporate Sustainability/Environmental Elements**

Environmental Management Systems



- System under development to integrate Metro's environment, safety, and quality best management practices
- Calls for continuous improvement & positive impact on the environment, employees & customers
- Pilot Effort at our Bus Division 10 and Red Line Yard

Regional Sustainability Outreach

- Recognition of and preparation for AB 32 Early Implementation Strategies
- Participation in SB 375 State and Regional Discussions
- Update Call for Project application to include sustainability criteria
 - Encourage use of “Green” principles and strategies
- Community Outreach
- Partnership with Local Colleges and Universities



Regional Sustainability Outreach

- **Regional Sustainability Survey**
 - Baseline Survey Report completed in December 2008
 - Began 2nd Annual Sustainability Survey
- **Green Chemicals Procurement Collaboration**
- **Sustainability Summit: May 6-7, 2009**
 - Co-Hosted with Metropolitan Water District of Southern California
 - Follow-up discussions are planned
- **Sustainability hotline: 213/922-1100 or sustainability@metro.net**



Questions/Discussions

For additional information:

www.metro.net/sustainability

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