

**Los Angeles County
Metropolitan Transportation Authority**

Staff Report on Metro's Current Sustainability Efforts



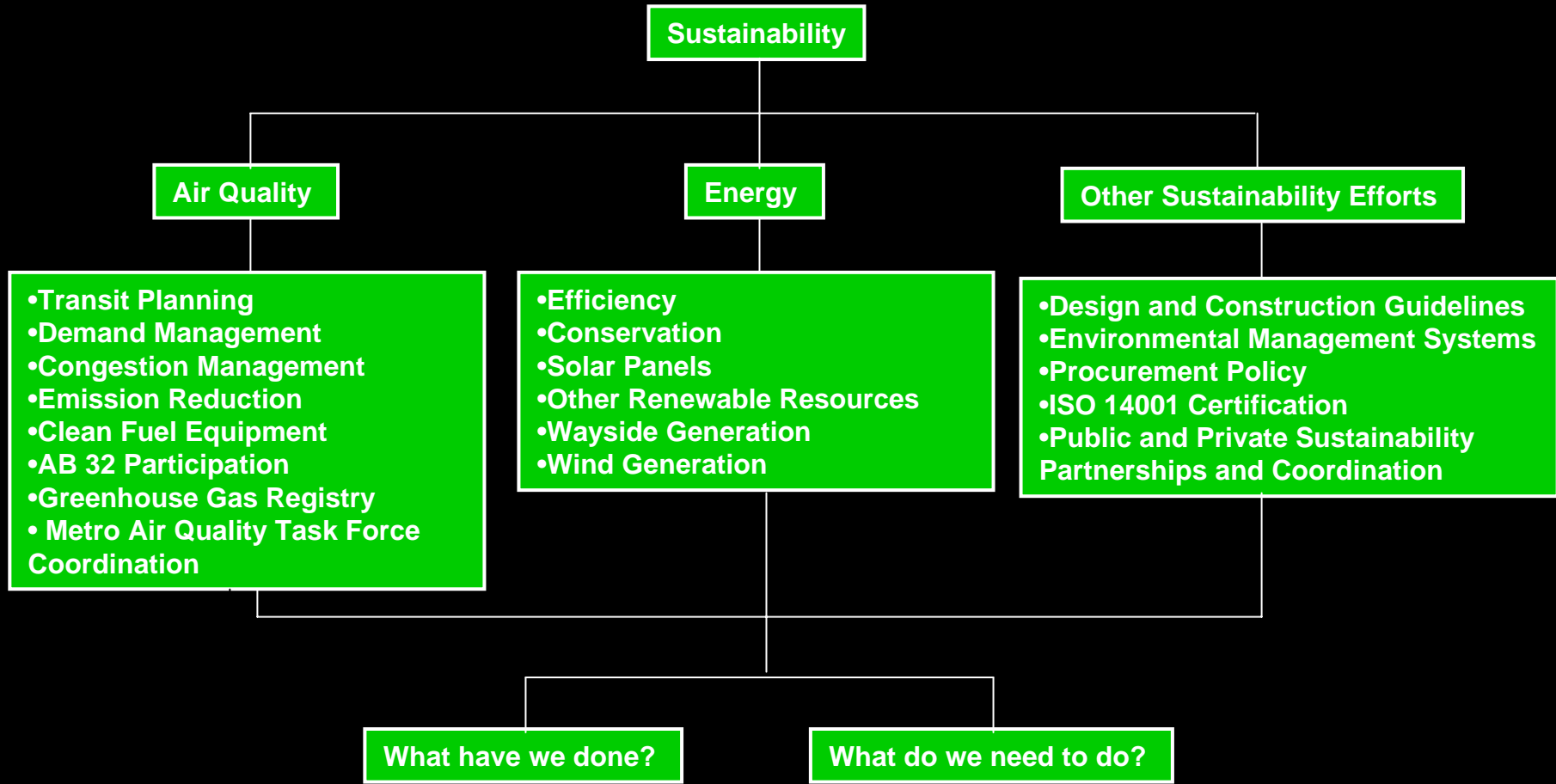
**Ad Hoc Sustainability and Climate Change
Committee: October 24, 2007**



Topics of Discussion

- **Elements of sustainability implementation in Metro**
- **Greenhouse gas reduction activities**
- **Renewable energy projects**
- **Environmental management systems**
- **Design criteria**
- **Path forward**

Elements of Sustainable Implementation



Greenhouse Gas Reduction Efforts

- Continued discussions with California Climate Registry
- Participated in APTA Conference Calls
 - Goal is to develop multi-agency protocol for subtracting vehicle miles traveled (VMT) prior to registering emissions footprint
 - Completion of protocol is critical prior to registering
- Coordination meeting with Metro Clean Air Task Force
- Continued to gather Greenhouse gas (GHG) emissions records and started calculations
- Interagency coordination and sharing
 - Staff attended October 2007 L.A. City Council Sustainability briefings
 - Learn other agency best practices regarding climate change registration and GHG reductions

Status of Recent Energy and Efficiency Projects

- **Division 9 is open for business as of October 2007**
 - **LEED Silver (Metro's first)**
- **Division 18 Solar Panel Project**
 - **All panels installed and inverter installation in progress. Will be complete late-November 2007.**



Recently Completed Energy and Efficiency Projects

- **RRC Solar and Energy Conservation Project**
 - 1 megawatt of Solar panels
 - Replace lighting, HVAC, compression
 - Partnership with LADWP, Gas Company and AQMD
 - Negotiations ongoing, scheduled for January 2008 Board
- **Escalator Motor Controllers**
 - Facilities has completed 120 of 122 escalators and project will complete November 2007
 - Controllers save 35% less electricity



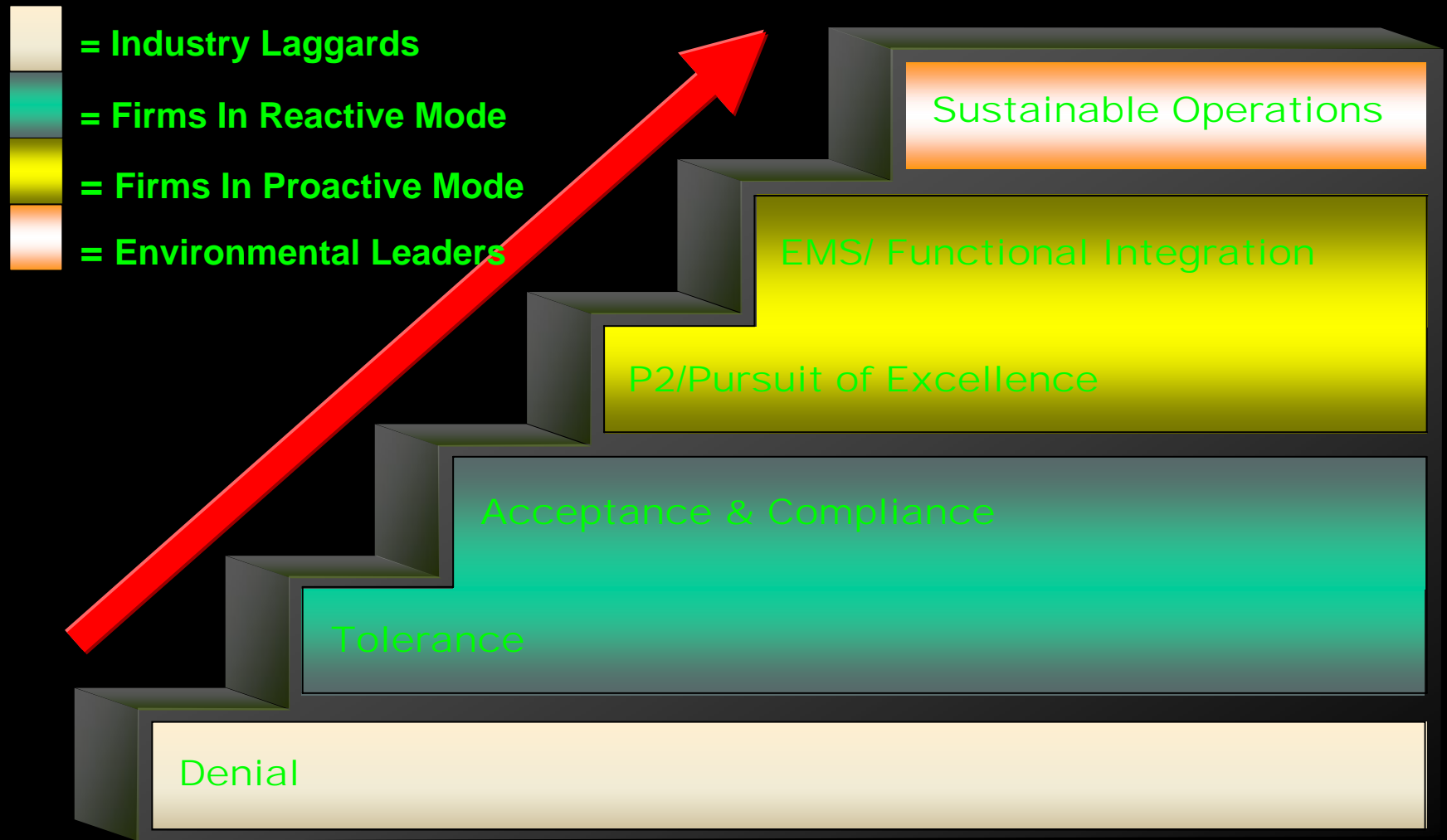
Metro

*Coordination with LADWP regarding energy rebates*⁶

Environmental Management System

- **Review of EMS in other transit organizations**
 - Hampton Roads Transit, MBTA, City of Phoenix Transit, River City, UT Transit, BART, WMATA, Community Transit
- **Metro received FTA's acknowledgement letter for EMS Training and Assistance Grant Application**
 - EMS training to be conducted by Shaw Environmental (Seattle, WA)
 - Interviews: Fall 2007
 - Notice and implementation: Spring 2008
- **EMS Pilot Study discussions with consultant**

Evolution of Environmental Management

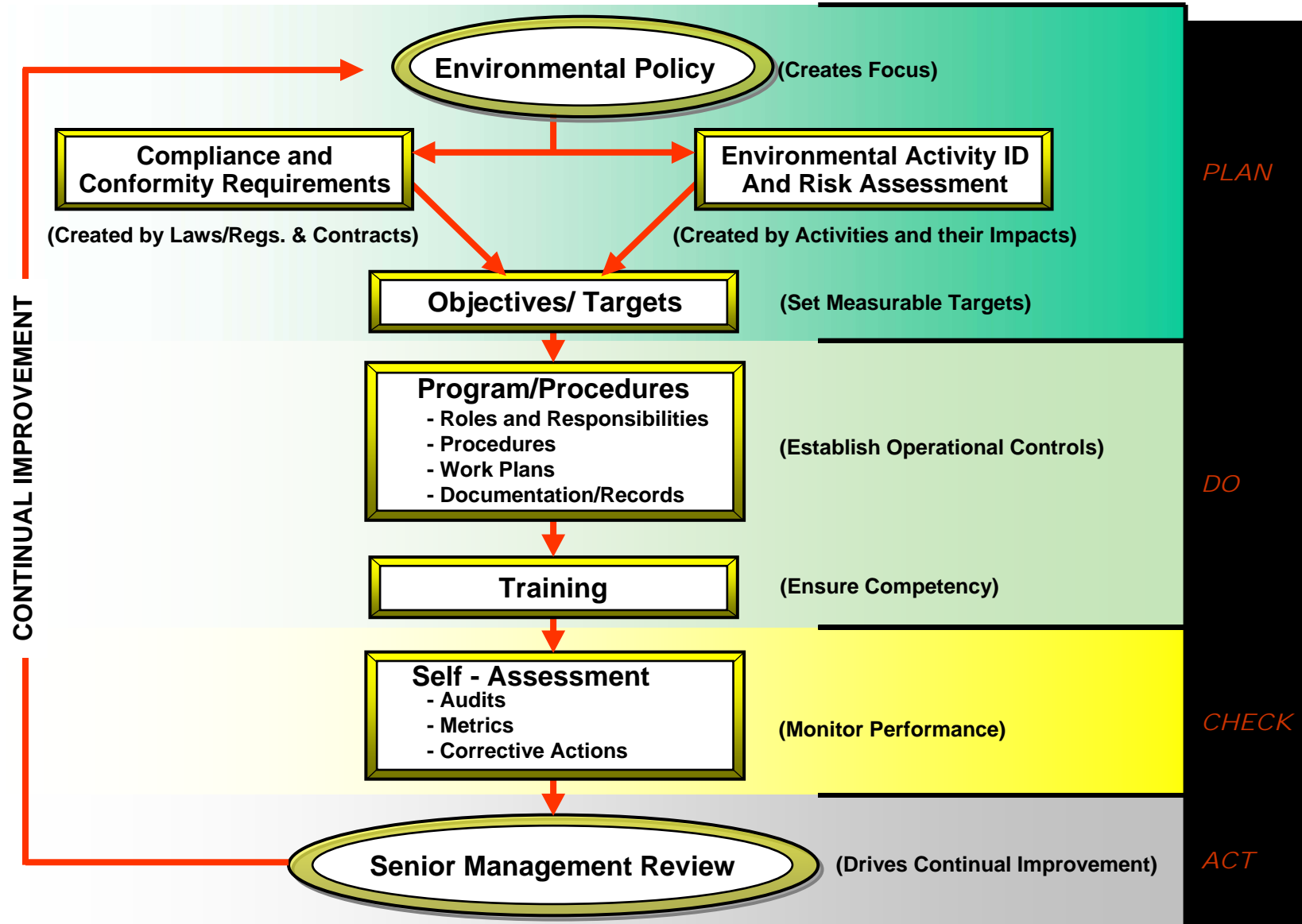


Adapted from ALCOA, "Our Story," Pentagon, March 2001

An EMS takes this...



And Turns it into this ... An Environmental Management System (EMS)



Design Criteria Coordination

- **Met with Los Angeles World Airport**
- **Review of Los Angeles County Sustainability Efforts**
- **Coordinating with various transit agencies**
 - **BART, NY MTA, MARTA, Portland, Vancouver**

Path Forward

- **Continue existing efforts**
 - Greenhouse gas (GHG) Footprint (registration and reduction)
 - Renewable Energy Projects
 - Environmental Management Systems
 - Design Criteria Updates
- **Develop a Draft Work Plan with timetable of implementation**
 - Short-term and long-term tasks and goals
 - Performance indicators and metrics
 - Continue meeting with advisory team members
 - Identify leaders and form interdepartmental teams
- **Learn the best practices of local, statewide, and national sustainability efforts already underway**

