

September 3, 2008

# The Intermodal Container Transfer Facility (ICTF) Modernization Project

*An Innovative Path Forward*

## JPA Board Meeting



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# Agenda

- Introduction
- Community Outreach
- Air Emissions Plan
- Health Risk Assessment (HRA) Mitigation Plan
- Electric Truck Pilot Program
- Alternative Container Conveyance (Maglev)
- Summary

# Union Pacific's Community Outreach

- Recognizing the power of conversation as our learning tool, we've engaged in conversations with over 100 community members, including:
  - Educators, representatives from non-profit organizations and businesses
  - Environmental justice advocates
  - Commissioners, Port staff, City staff
  - Elected officials



# Community Involvement

- In 2007, contributions = \$92,000, including Community Giving Budget, UP Foundation Grants, and the “Principal Partnership” Program
- In 2008, contributions = \$150,000 YTD (63% increase)



# Community Involvement

- Union Pacific has provided funding for many local nonprofit organizations:
  - Boys and Girls Clubs of Long Beach
  - Cabrillo Marine Aquarium
  - Cambodian Coordinating Council
  - Carson Coordinating Council
  - Children Today
  - Harbor Interfaith Services
  - International City Theatre
  - LA Harbor Boys & Girls Club
  - Long Beach Chamber of Commerce
  - Regional Hispanic Chamber of Commerce
  - San Pedro Chamber of Commerce
  - San Pedro Shakespeare by the Sea
  - San Pedro TopSail Youth Program
  - Wilmington Chamber of Commerce



# Increased Community Involvement

Based on our increased knowledge of community needs, UP will:

- Provide full support (\$30,000) of the Long Beach Midnight Basketball Program, 2008-09 season
- “Adopt Silverado Park,” by supporting Community Center aesthetic improvements
- Conduct community outreach to communicate with our neighbors, including Open Houses and Community Clean-ups

# Air Emissions Reduction Plan

## *ICTF Improvements – Completed to Date*

| <u>Completed to Date (2006-2007)</u>  | <u>Cost</u>       | <u>Improvement</u>  | <u>DPM<br/>Reduction<br/>Tons/Yr</u> |
|---|-------------------|---------------------|--------------------------------------|
| Replaced all LHP diesel locomotives with ULEL gensets (12) (Switch Engines) | \$12.0            | Reduced DPM by 85%  | 4.73                                 |
| Replaced 20% of HHP diesel locomotives with Tier II locomotives             | \$40.0            | Reduced DPM by 60%  | 0.74                                 |
| Eliminated 15 diesel hostling tractor engines                               | \$0.0             | Reduced DPM by 100% | 0.20                                 |
| <b>SUBTOTAL - COMPLETED</b>   | <b>\$52.0 mil</b> |                     | <b>5.67</b>                          |

## 25% Reduction in Diesel Particulate Matter

# Health Risk Assessment (HRA) Mitigation Plan

- Union Pacific submitted Early Mitigation Plan in January 2006.
- HRA Mitigation Plan was posted by ARB last week.
- Community meeting to discuss Mitigation Plan will be held later this month.
- Ideas and suggestions are welcome.



# Electric Truck Pilot Program

- Union Pacific will implement an Electric Truck Pilot Program by the end of 2008.
  - UPRR Electric Truck Pilot Program
    - Yard Hostling
    - Port Drayage
    - Install Charging Station at ICTF
    - UPRR Pilot to determine feasibility and applicability to ICTF Modernization Plan
  - Ports' Electric Truck Pilot Program
    - UPRR will partner with Ports to determine the feasibility and extent of electric truck usage.

# Alternative Container Conveyance

- Magnetic Levitation (Maglev)
  - Union Pacific will work with manufacturer and both Ports to:
    - Determine feasibility of system
    - Develop origin/destination methods to support the loading and unloading of containers
  - Coordinate with the Ports or other private entities to secure the financing of a pilot project if/when the design can support an actual operation

# Summary

Union Pacific....

- has and will continue to support the communities in which we operate in the LA Basin.
- has made a 25% reduction in diesel particulate matter (DPM), improving air quality in the LA Basin.
- is committed to working with communities, Ports, governmental agencies, and other parties to develop alternative systems that improve air quality.