



SAN DIEGO  
INTERNATIONAL  
AIRPORT



## Air Quality Management Program: Initial Steps

Faster Freight Cleaner Air Conference

February 28, 2007



AIRPORT MASTER PLAN  
SAN DIEGO INTERNATIONAL AIRPORT

## San Diego International Airport

Single Runway/17.5 MAP/661 Acres





## **San Diego County Regional Airport Authority**

- **Established by state law to operate SDIA and to address the region's long-term air transportation needs**
- **Governed by a nine-member appointed Board**
- **Nation's busiest single-runway commercial service airport**
- **17.5 million passengers in 2006**

Page 3



## **Overview of Reasons for Air Quality Management Program:**

- **Required to address future impacts under NEPA/CEQA**
- **We are not mandated but want to be proactive**
- **We want to work both in a regulatory framework and with business incentives  
"Carrot and Stick"**

Page 4



## **Air Quality Management Program:**

### **Initial Steps**

- **GSE Inventory**
- **SDCRAA Vehicle Inventory**
- **Taxi and Shuttle Inventory**
- **Alternative Fuel Vehicle Program**
- **Emissions Inventory**
- **Agency Coordination**



## **GSE Inventory**

- **362 Gasoline/Diesel GSE**
- **45 Electric GSE (11%)**
- **407 Total GSE**
- **Approximately 10 pieces of GSE per gate**



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## Diesel Push Back Tug



Page 7



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## Electric Baggage Tug Connected to Charging Station



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Page 8



## **SDCRAA Vehicle Inventory**

- **Gasoline/Diesel Vehicles**
- **CNG/Electric Vehicles**
- **Age of Vehicles**
- **Fueling Scenario**



## **Taxi and Shuttle Inventory**

- **Inventory**
- **Conventional/Alternative Fuel**
- **Age of Vehicles**
- **Create Incentives**
- **Monitoring System**
- **Retirement of Aging Vehicles**



## **Alternative Fuel Vehicle Program**

- **New Shuttle Bus Fleet**
- **Airside Fuel**
- **Landside Fuel**
- **Create Incentives**
- **Funding Opportunities**



## **Alternative Fuel Vehicle Program**

- **New Shuttle Bus Fleet**
- **Airport Flyer: CNG, 40-foot, low-floor bus**
- **CNG Vehicles/Fuel Scenario**
- **GSE**
- **Carl Moyer Program**



## Agency Coordination

- **APCD of San Diego County**
- **Marine Corps Recruit Depot**
- **Airlines**
- **Airport Stakeholders**
- **Taxi/Shuttle**
- **Rental Cars**



## Emissions Inventory

- **Vehicular Traffic**
  
- **Passenger Aircraft**
  - **Number of operations**
  - **At-Gate Scenario**
  - **GSE**
  
- **Air Cargo Activities**
  - **Truck Trips**
  - **GSE Data**



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# Facility Requirements

Consistent with Airport Master Plan



## Airfield Facility Requirements



## Terminal Facility Requirements



## Ground Transportation Facility Requirements



## Airport Support Facility Requirements



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# EIR Issues

Aesthetic/Visual	Minerals	Toxics/Hazardous
Agricultural Land	Noise	Traffic/Circulation
Air Quality	Parks/Recreation	Vegetation
Archaeological/ Historical	Public Services	Water Quality
Coastal Zone	Schools	Water Supply
Economics	Septic Systems	Wetland/Riparian
Fire Hazard	Sewer Capacity	Wildlife
Flood/Drainage	Social	Growth Inducing
Geologic/Seismic	Soil Erosion	Incompatible Land Use
Jobs/Housing	Solid Waste	Cumulative Effects





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# Air Quality Management Program

## Next Steps

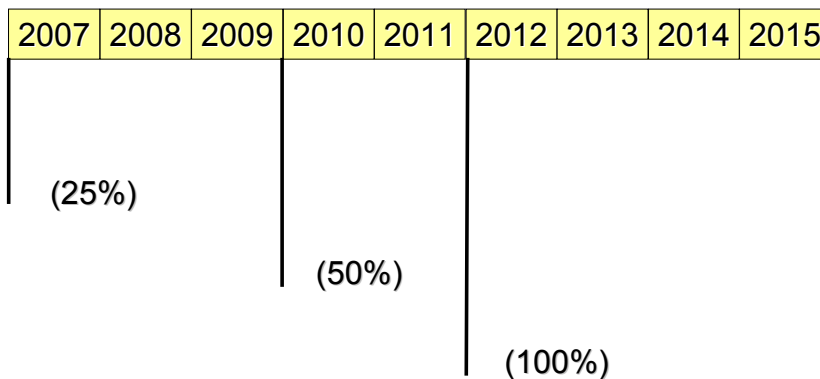
- Continue Agency Coordination
- Airline/Stakeholder Involvement
- Phase In Alternative Fuel Vehicles
- Alternative Fuel Vehicle Phasing
  - Authority Vehicles
  - Airlines/GSE
  - Taxis and Shuttle Buses

Page 17



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## Alternative Fuel Vehicle Program Phasing Timeline - Sample:



Page 18



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# Questions

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