



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**

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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"**

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AIRPORT MASTER PLAN
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Air Quality Management Program:

Initial Steps

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

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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



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Electric Baggage Tug Connected to Charging Station



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SDCRAA Vehicle Inventory

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

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Taxi and Shuttle Inventory

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

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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**



AIRPORT MASTER PLAN
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Agency Coordination

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



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Emissions Inventory

- **Vehicular Traffic**

- **Passenger Aircraft**
 - **Number of operations**
 - **At-Gate Scenario**
 - **GSE**

- **Air Cargo Activities**
 - **Truck Trips**
 - **GSE Data**



AIRPORT MASTER PLAN
SAN DIEGO INTERNATIONAL AIRPORT

Facility Requirements

Consistent with Airport Master Plan



Airfield Facility Requirements



Terminal Facility Requirements



Ground Transportation Facility Requirements



Airport Support Facility Requirements



AIRPORT MASTER PLAN
SAN DIEGO INTERNATIONAL AIRPORT

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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Questions

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