



ITEM C

AIR QUALITY MANAGEMENT PLAN AND COMPLIANCE WITH ATTORNEY GENERAL MEMORANDUM OF UNDERSTANDING UPDATE

Update on Implementation Schedule for Authority Commitments
Under the Attorney General Memorandum of Understanding

MARCH 3, 2011

Presented by:

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AQMP Background

Feb 08

- Authority adopts Sustainability Policy

May 08

- Authority signs MOU with CA Attorney General, Final EIR certified for "The Green Build"

Feb 09

- Airport adopts ACI-NA environmental goals

May 09

- First in series of AQMP landside stakeholder workshops held

Jul 09

- First in series of AQMP airside stakeholder workshops held

Aug 09

- Coastal Permit sets emission goals for Green Build

Dec 09

- Authority adopts AQMP, except for Vehicle Incentive Program

Mar 10

- Authority adopts Vehicle Incentive Program

Jul 10

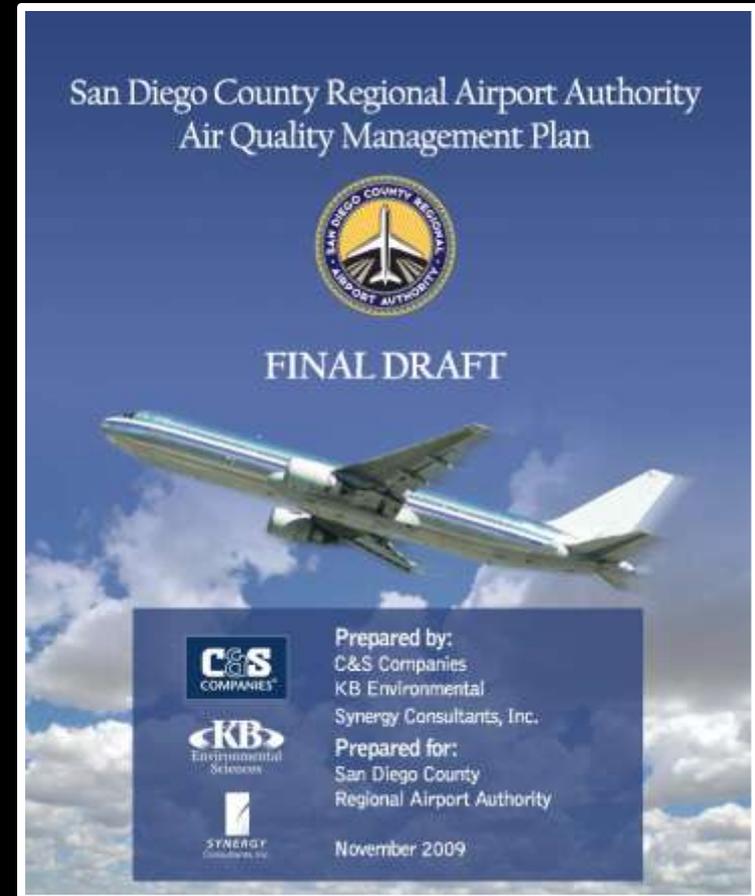
- Vehicle Incentive Program takes effect

Feb 11

- CA grant funds awarded (\$750,000) solely for commercial vehicle conversions at SAN

Air Quality Management Plan (AQMP)

- AQMP adopted Dec 2009 (except for Vehicle Incentive Program)
- Vehicle Incentive Program adopted Mar 2010
- AQMP Elements
 - Baseline Emissions Inventory
 - Emissions Reductions Opportunities
 - Vehicle Incentive Program
 - Addressing Attorney General (AG) MOU Specific Measures



A Living Document

AG-MOU Specific Measures

1 Provide power & pre-conditioning (PCA) at all gates

2 Reduce on-ground emissions by 20%

3 Replace Company Vehicles

4 Replace Company Vehicles

5 Achieve 10% energy conservation through maintenance & renovation

6 Use green cleaning products

7 Engage tenants in emissions reduction efforts

Track
greenhouse
gas emissions
reductions and
report out

1 Power & PCA at All Gates

■ MOU commitment applies to:

- Green Build 10 gate expansion
- New proposed cargo facility
- New General Aviation/FBO facility
- Major renovations at existing gates

■ Current status:

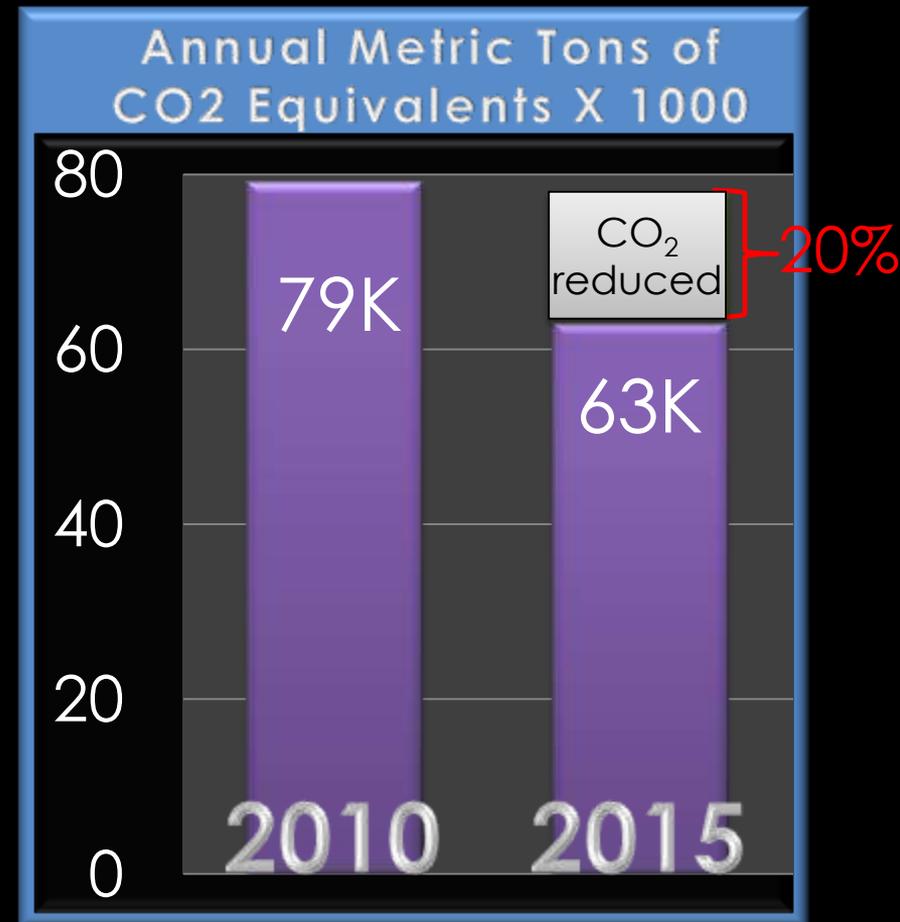
- All 41 existing gates have 400Hz power
- Only 13 gates have PCA (1a, 1-10, 35-36)
- Pursuing FAA VALE grant funding for infrastructure

2 Aircraft Emissions On-Ground

- Requires 20% reduction in all ground-based aircraft GHG emissions by 2015

■ Current Status:

- AG-MOU referenced and included as exhibit in AOA – Jun 2009
- Analysis completed & recommendations included in AQMP – Dec 2009



2 Aircraft Emissions On-Ground

■ Next Steps:

- Meet with Air Carriers to develop & promote pilot awareness program – Apr 2011
- Develop compliance procedures – Jun 2011

3 Replace GSE with Electric or AFVs

- MOU requires all push back tractors replaced with electric or alternative fuel vehicles (AFVs) at end of useful life
- GSE electric charging or AFV fueling infrastructure developments needed
- Current status:
 - GSE survey in process - Mar 2011
 - Pursuing FAA VALE grant funding for charging infrastructure development –Jul 2011
- Next Step:
 - Develop GSE identification (placard) program – Jul 2011

4 Replace shuttles with electric or AFVs

■ AG-MOU allowed for 2 options:

- Mandatory conversion by 2015, or
- Authority developed incentive-based vehicle conversion program

■ Current status:

■ Vehicle Incentive Program adopted Mar 2010

- Expanded to include Taxis and Limos
- 100% vehicle conversion goal set for 2017
- Currently 17 of 1105 (1.5%) vehicles are converted

■ Grant funds awarded

- CA Reformulated Gas Settlement Fund Grant (\$750K)
- Grant Program administered by CA Center for Sustainable Energy (CCSE) – Apr 2011

4 Replace shuttles with electric or AFVs

- Conversion of Authority-owned and/or operated ground vehicles & GSE:
 - 100% conversion of all Authority's shuttles by 2015
- Current status:
 - 86% (25 of 29) of shuttles converted to CNG
- Next Steps:
 - Develop conversion strategy for Authority's fleet
 - Expand on-site CNG fueling capabilities – Possibly Jun 2013



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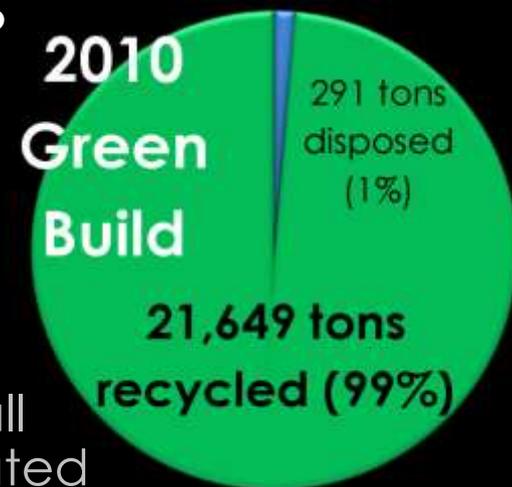
LEED Certification (\geq Silver)

- MOU commitment applies to:
 - Green Build 10 gate expansion
 - New proposed CRDC facility
 - New proposed cargo facility
 - New proposed CONRAC facility
 - New general aviation/FBO facility

- Current status:
 - Green Build on track for LEED Silver or better
 - Facilities Maintenance in evaluation period for LEED Silver
 - AG-MOU and Sustainability Policy referenced in CRDC RFP and FBO RFQ

6 Green Construction Practices

- MOU commitment applies to Green Build and all new development projects
 - All construction equipment must run on alternative fuels and/or approved emissions controls
- Recycling and reporting mandates for construction and demolition wastes
- Current status:
 - Green Build project has set:
 - Emissions specifications for all construction equipment
 - Recycling and reporting requirements for all construction and demolition wastes generated



7 Tenants/Contractor Engagement

- Expand recycling programs to include all Airport tenants, businesses, concessions and airlines
- Encourage existing and require future GA operations not to sell leaded aviation gas
- Work with all tenants, businesses concessions to reduce carbon emissions
- Current status:
 - Waste Reduction Team (WRT) has developed waste reduction plan with tenant training component
- Next Steps:
 - Develop sustainability guidelines for tenants – Dec 2011
 - Address lead Avgas (Mogas) in FBO RFP – 2011
 - Provide language in all RFPs/RFQs, contracts and lease agreements that address Airport's AG-MOU commitments and Sustainability Policy

GHG Emissions Reduction Monitoring & Reporting

- Conduct 2012 Greenhouse Gas (GHG) emissions inventory
- Evaluate effectiveness and feasibility of GHG reduction measures including:
 - Vehicle Conversion Incentive Program
 - On-Ground Aircraft Emission Reduction Measures and Pilot Awareness Program
 - Green Build Sustainable Design & Construction Methods (also required by Coastal Permit)
 - Waste Reduction, Energy Efficiency and Water Conservation Programs
- Publish results and recommendations for improvement in 2012 updates to AQMP available on SAN website – Dec 2012

Next Steps

- Conduct 2012 GHG Emissions Inventory
- Study and report on implementation and effectiveness of AG-MOU specific measures and Coastal Permit requirements
- Provide recommendations for improvements
- Seek additional grant funds for Airport Authority and tenants that assist in meeting AG-MOU commitments and GHG reduction goals
- Report progress to Authority Board and Attorney General on annual basis

Questions

