



Airline Sustainability Initiatives Challenges and Opportunities

**Airports Going Green Conference
November 17, 2010**

Tiffany Goebel, PE

Airline Sustainability Initiatives:

- Fuel Conservation
- Alternative Fuels
- Energy Efficiency
- Recycling
- Water Conservation
- Community Outreach
- Overall

Challenges

- Most properties leased not owned
- Often part of a larger facility
- Implementation

Opportunities

- Cooperative initiatives



Challenges

- Ability to off-load onboard recyclables
 - Availability
 - Consistency of procedures
 - Onboard
 - Different ground handlers
- Metrics, tracking, and economics

Opportunities

- Improvements in local markets
- Potential to work within airport programs
 - Promotion of recycling in common-use areas
 - Other materials on case-by-case basis

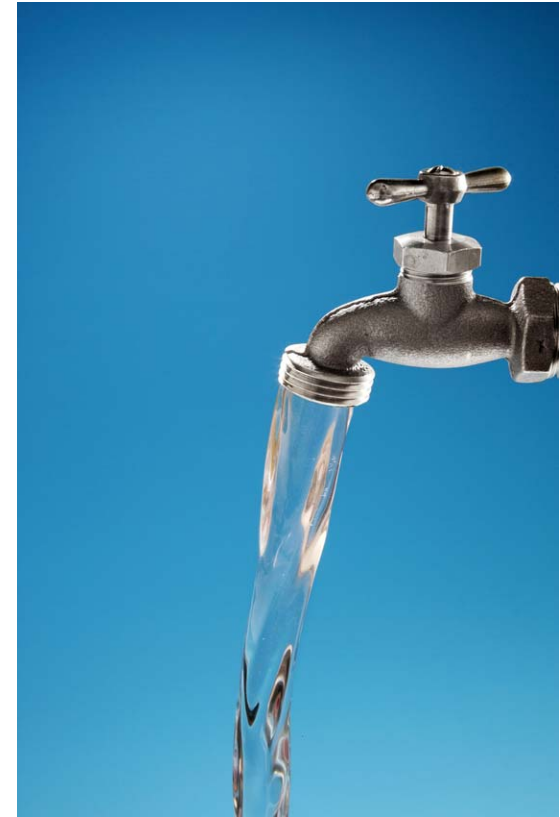


Challenges

- Similar to energy efficiency
 - Leased not owned
 - Part of larger facility
 - Implementation
- Not a lot of use (no driver/ROI)
- Less glycol = more water

Opportunities

- Installations as part of remodeling
- Improved capture/reuse options for wash water



Challenges

- Great geographical distribution
- Magnitude of requests
- Limited discretionary spending

Opportunities

- Great geographical distribution
- Unique opportunity as service industry
- Employee volunteerism
 - Interest
 - Schedule flexibility



Challenges

- Communication
 - Local versus Corporate
 - Property & Facilities and Environmental
- Data Tracking
 - Capture
 - Avoid double counting

Opportunities

- Interest
- Partnerships
 - Facility upgrades as part of other projects
 - Terminal/Airport recycling program enhancements
 - Identify local community outreach opportunities

