Bringing Sustainability to Airports

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ACI-NA

- One of five regional offices of ACI – the voice of air carrier airports worldwide.
- Member airports represent 95% of domestic and virtually all international airline passenger and air cargo traffic in North America.
Overview

- Sustainability defined.
- The growth in sustainability across the airport industry.
- SAGA – Sustainable Aviation Guidance Alliance
- GRI – Global Reporting Initiative
- ACRP – Airport Cooperative Research Program
Sustainability Defined in the Airport Context

“Development that meets the needs of the present without compromising ability of future generations to meet their own needs.”
– Brundtland Commission

Measuring success by the triple-bottom line: economic, environmental, and social values

“A holistic approach to managing an airport so as to ensure the integrity of the economic viability, operational efficiency, natural resource conservation, and social responsibility of the airport (EONS).”
– ACI-NA Sustainability Working Group
The Evolution of Airport Sustainability

- Airport Development
- Fleet Management
- Public Safety
- Information Technology
- Real Estate
- Asset Management
- Customer Service
- Commercial Development
- Parking
- Marketing
- Revenue Management
- Energy Management
- Public Affairs
- Human Resources
- Finance
- Risk Management
- Procurement
Everyone Plays a Role in Sustainability

** I took this from a LAWA presentation.**
What’s the Motivation?

- Environmental benefits
- Cost savings
- Enhanced customer/community relations
- Board/city/community interest
- Mandates/directives
- It’s the right thing to do
Examples of Airport Sustainability Initiatives

- Passive lighting
- Emission reductions
- LEED certification
- Fuel hydrant systems
- 400Hz power
- Pre-conditioned air
- Life-cycle costing
- Local hiring and purchasing
- Building stakeholder relationships
- Recycling
- Noise management
- Employee well-being programs
- Community outreach
- Addressing indoor air quality
- Public transportation access
- Operational efficiencies
Airport Sustainability Programs
ACI-NA’s Role in Sustainability

- Providing a forum for information sharing and educating.
- Promoting sustainable concepts within the industry.
- Collaborated with other associations and FAA to develop a compendium of sustainability practices (SAGA).
- Examining next steps in airport sustainability tools (e.g., metrics, reporting - GRI).
- Supporting ACRP projects.
Sustainable Aviation Guidance Alliance (SAGA)

- Assists airports initiating or conducting sustainability programs by consolidating existing guidelines/practices into a central location.
- Provides a comprehensive, searchable resource that can be tailored to the unique requirements of individual airports.
- Identifies measures applicable to airports of all sizes and includes all airport activities – capital improvement programs, routine maintenance, and daily operations.
SAGA Participants

- Airports Council International-NA (ACI-NA)
- Airport Consultants Council (ACC)
- American Assoc. of Airport Executives (AAAE)
- Airports – ORD, BOS, RNO, LAWA, SEA
- Consultants
- Air Transport Association (ATA)
- Federal Aviation Administration (FAA)

http://www.airportsustainability.org
The Global Reporting Initiative (GRI) & the G3 Guidelines

- A global framework for reporting on sustainability performance
- Facilitates comparable reporting by organizations
- Can be used by organizations of any size, sector or location
- Developed using an international, multi-stakeholder consensus based approach
GRI Airport Operators Sector Supplement

- Sector specific reporting guidance integrated in the GRI G3 Guidelines for the Airports Sector.
- Developed by a multi-stakeholder geographically diverse working group
10 Airport Companies Participating
Non-industry Stakeholder Participation

- 10 representatives from:
  - transport workers unions (2)
  - non-governmental organizations covering social issues, noise, air quality & climate change (5)
  - United Nations Environmental Programme (GRI is a collaborating centre of UNEP) (1)
  - investment community (2)

- Stakeholders chosen to provide diverse regional geographical perspectives
Benefits of Sustainability Reporting

- Regular sustainability reporting helps to track progress.
- Stimulate communication with stakeholders.
- Demonstrate commitment to sustainability.
- Potentially demonstrate leadership in the industry.
Examples of Sustainability Reporting Information

- **Environment:**
  Management approach to noise; fuel spillage/deicing agent management; habitat management versus safety management

- **Social:**
  Policies to reduce staff turnover with access to secure areas; report on staff exposure to noise/pollutants

- **Economic:**
  Indirect economic impacts; report on service quality; approach to business continuity and emergency planning; airport development
Airport Input Needed

- **Public Comment Period**: ~ August – October 2010. This will allow all interested parties -- particularly airports and stakeholder groups -- to provide input on proposed indicators, commentaries and other language in the Sector Supplement.

- **GRI Workshop**: To be held in conjunction with the ACI-NA Annual Conference and Exhibition in Pittsburgh, PA on Friday, September 24. Provides an opportunity to learn more about GRI’s G3 Guidelines and the Sector Supplement, encouraging feedback during the public comment period.

ACRP Projects

- Synthesis - ACRP 11-03 (02-02): Sustainable Facilities and Practices
- ACRP 02-22: Incorporating Sustainability into Traditional Airport Projects
- ACRP 08-01: Sustainable Airport Construction Practices

www.trb.org/ACRP
Questions?

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