

Planning

Chicago Department of Aviation Sustainable Airport Manual Version 2.0 Working Session

Aviation Administration Building
April 28, 2010



Richard M. Daley
Mayor



Rosemarie S. Andolino
Commissioner

Welcome

■ Introductions

- **Chair: James Crites**, Dallas-Fort Worth International Airport
- **Co-Chair: Todd Welty**, Reno-Tahoe International Airport
- **Coordinator: Adam Rod**, Chicago Department of Aviation
 - Assistant: Sara Hassert, Landrum & Brown

■ Committee Member Roll Call

- 36 members representing Airport Executives, IL State Aeronautical Division, & Industry Experts



What's Happened so far?

- Chapter Committee held working sessions June-August 2009
 - Presented chapter outline to Commissioner of Aviation at plenary working session, July 9, 2009
- SAM unveiled Aug. 5, 2009 by Mayor Richard M. Daley at 2nd Annual *Airports Going Green* conference
 - Design & Construction Chapter is in use with 5 projects moving through the process to-date
 - Planning chapter remained in-process, with others
- Planning working draft developed by Committee Coordinator
 - Incorporates all materials/information/thoughts to-date
 - Details will be discussed during our call today



Committee Purpose

- Build on existing materials and work products to-date in order to develop the Planning Chapter for SAM v. 2.0 that will include:
 - Purpose statement/Introduction
 - General guidance
 - Pre-requisite checklist
 - Project rating system
 - Case studies



Chapter Format

- Intent
- Requirements
- Submittals
- Technology/Strategy
 - Standard
 - Recommended
 - Best Available Practice
- Case Study



Committee Responsibilities

- Build on existing working draft to:
 - Further define chapter Purpose Statement
 - Determine elements of the pre-requisite check-list
 - Define parameters of the project rating system
- Review current SAM to determine areas of overlap with Planning Chapter
 - Determine appropriate cross-referencing
- Provide examples from other airports/entities
- Provide case study examples
- Review draft chapter and provide comments to CDA



Schedule and Important Events

- *Join the Movement: Airports Going Green* – SAM Working Session (in-person only) May 18, 2010, 1-3 pm, Dallas (in conjunction with AAAE national conference)
- Time available for periodic chapter committee working sessions, May-September, 2010
- SAM Version 2.0, incorporating Planning Chapter, to be unveiled at 3rd annual *Airports Going Green* Conference, November 15-17, 2010, Chicago, IL,
- 3rd Annual *Airports Going Green* Conference, Chicago, IL, November 15-17, 2010
 - Call to Speakers
 - Conference updates: visit www.airportsgoinggreen.org



Immediate Needs

- Provide examples from other airports/entities
 - Thanks to DFW for extensive examples provided
- Provide case study examples
- Review current SAM to determine areas of overlap with Planning Chapter
 - Determine appropriate cross-referencing
- Submit to: saminfo@cityofchicago.org



Questions Previously Identified by the Committee

- What is Sustainable Planning?
- What value does sustainability bring to construction, renovation, ops, maintenance, procurement, etc?
- How do you identify sustainable standards/actions?
- Who is involved with sustainable planning?
- What is the purpose of the SAM Planning Chapter?
 - Provide guidance and policy
 - Provide a measurable checklist
 - What items would be would be prerequisites? Why/why not?



Planning Chapter Working Draft

- Sustainable Airport Planning (SAP) definition
- Purpose of SAP
- Blueprint for SAP
 - More than EMS
 - Understand sustainable principles & strategies as related to Triple Bottom Line
 - Develop sustainability schematic to guide the planning process
 - Consider goals/objectives and apply sustainability process to initial plan, D&C, and facility operation
 - Assures a broad approach



Planning Chapter Working Draft

- Working draft now ready for enhancement:
 - Specific guidance & measures to consider, as related to the four categories of projects that SAM currently evaluates:
 - Civil Airside
 - Civil Landside
 - Occupied Buildings
 - Unoccupied Buildings
 - Point rating system
 - Case study examples



For example:

Civil Airside	Civil Landside	Occupied Buildings	Unoccupied Buildings
<ul style="list-style-type: none">• Populate this table with checklist items for consideration that would be applicable to planning of each category of project<ul style="list-style-type: none">• What is applicable from SAM D&C?• Other Airport examples?<ul style="list-style-type: none">• DFW has provided excellent examples (discussed next)• Other industry examples?<ul style="list-style-type: none">• These also lend themselves to case study development• Which checklist items would be pre-requisites? Which would have points awarded? Why/why not?			



DFW Project Development Process Flowchart

- An integrated approach to sustainable airport development
- Various different applicable elements are represented within each category and phase
 - Some overlap with SAM D&C
 - New elements that SAM D&C doesn't address
 - Ph 2 – Funding Sources
 - Ph 3 – Step 2 – Bid Process
 - Ph 3 – Step 4 – Training
 - Ph 4 – Step 2 – Best Practices for Wrap-Up



DFW *Environmental Management Primer*

- EMS
- DFW's platform for design and implementation of sustainability through environmental compliance and leadership
- DFW encourages users of the Primer to use it as a roadmap to create their own written compendium detailing the environmentally-regulated aspects tailored to their specific daily tasks



DFW *Environmental Management Primer*

- Examples of specific checklist items included
 - Chapter IV – DFW Planning Process
 - Appendix A – Federal & State Laws and Regulations
 - Appendix D – Strategic Objectives and Key Performance Indicators
 - Appendix G – Response Action Matrix



LAWA *Sustainable Airport Planning, Design & Construction Guidelines*

■ Part 3: Sustainable Planning & Design

- Breaks down elements into Required (pre-requisite) vs. points awarded
- Also some additional new items to add to checklist that aren't included in SAM D&C, for example:
 - GHG impact evaluation
 - Outlines methodologies
 - Outlines percentage reduction required over baseline



Committee Responsibilities (Re-Cap)

- Build on existing working draft to:
 - Further define chapter Purpose Statement
 - Determine elements of the pre-requisite check-list
 - Define parameters of the project rating system
- Review current SAM to determine areas of overlap with Planning Chapter
 - Determine appropriate cross-referencing
- Provide examples from other airports/entities
- Provide case study examples
- Review draft chapter and provide comments to CDA



Thank You!

- Send all example documents and case study examples to: saminfo@cityofchicago.org
- New Committee members: send contact information to: saminfo@cityofchicago.org and identify the Committee(s) joined



Thank You!

- ***Join the Movement: Airports Going Green – SAM Working Session (in-person only) May 18, 2010, 1-3 pm, Dallas (in conjunction with AAAE national conference)***
- Visit: www.airportsgoinggreen.org for updates on SAM v. 2.0 process and the 3rd Annual *Airports Going Green* conference, Nov. 15-17, in Chicago

