NANTUCKET MEMORIAL AIRPORT

Master Plan Working Group Meeting

Tuesday, November 12, 2013
MEETING AGENDA

- Welcoming Remarks
- Introductions
- Role of the Master Plan Working Group
- Overview of the Master Plan & Schedule
- Recent Airport Projects & Updates
- Existing Conditions Review
- Q&A/ General Discussion/ Issues and Concerns
- Next Steps/Milestones/Schedule
WORKING GROUP MEMBERS

- Tom Quigley  Surfside Association
- Carol Dunton  Resident
- Diane Archer  Resident
- Leslie Johnson  Resident
- P.J. Martin Smith  Chamber of Commerce
- Sam Bailey  Airport Business
- Allen Reinhard  Nantucket Civic League
- Ernest Steinauer  Massachusetts Audubon
- Andrew Vorce, AICP  Town Planner
- Arthur Gasbarro  Airport Commissioner
- Tom Rafter  Airport Manager
- David Sylvia  Airport Compliance Officer
- Bob Egan  Nantucket Flying Association
- Armando Cardenas  Island Airlines
- Peter Farrell  Cape Air
ROLE OF THE WORKING GROUP

“Provide advisory input to the Airport Commission, who will be the Master Plan decision makers, and to serve as a liaison with Community Leaders and Advocacy Groups on Master Plan issues and concerns.”
The Master Plan Process

Inventory & Forecasts
- Aviation Activity
- Facility Existing Conditions
  - Facilities
  - Environmental
  - FAA Standards
- Demand/Capacity

Airport Alternatives
- Master Plan Concept/Financial Analysis
- Airport Layout Plan (ALP) Drawing Set
- Environmental Overview

Public Outreach
- Working Group
- Public Information Meetings
- Web Site & Other Media
## ACK Master Plan Schedule

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<tr>
<th>Phase/Task</th>
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RECENT AIRPORT PROJECTS AND UPDATES

- Terminal Building Renovations
- New FBO Building
- Gravel Parking Lot
- New ARFF Building
- Runway 33 Extension
- Taxiway ‘J’
Recent Airport Projects and Updates

Airport Rescue and Fire Fighting (ARFF) Building

- New ARFF building (2012)
- Required by Federal Aviation Regulation
Terminal Building Expansion & Renovations

- Renovation and rehab of the Passenger Terminal Building, 2008-2010
- Added 18,000 sq. ft. - total area = 30,000 sq. ft.
- Accommodates passenger processing and TSA security requirements
- Capacity constraints during peak summer season
RECENT AIRPORT PROJECTS AND UPDATES

Runway 33 Extension

• 500 ft. extension completed in 2012
• Enables more Runway 33 over-water landings
• Enhances operational flexibility
• Approach path lights & taxiway to be constructed
• Newly constructed Taxiway ‘J’ meets new FAA taxiway design standards
• Enhances operational flexibility and safety
Recent Airport Projects and Updates

Gravel Parking Lot

- Newly graded gravel auto parking lot - 107 spaces
- Accommodates seasonal rental car overflow
New FBO/Airport Administration Building

- New Airport Administration and FBO offices
- Consolidates airport management + provides economies of scale
- New Aviation Gateway to the Island
Snow Removal Equipment (SRE) Building

Consider additional storage space options
Ground Service Equipment (GSE) - Storage Building

Options for additional GSE storage space
Runway Safety Area (RSA) on Runway 12-30

- Large land elevation difference on either side of the runway
- Compliance with FAA standards to be determined
Nantucket Airport Layout Plan (ALP)
Airport uses geothermal heating and cooling at terminal.

Airport is studying potential for solar power.

ACK’s history of sustainable practices for “Carbon Neutral” program by MassDOT to become nation’s first carbon neutral airport.

Electric vehicle charging station at Hangar 2.
Ecological Management Plan to help guide airport best practices for habitat management and enhancement.

ACK has ongoing commitment to reducing, reusing, retrofitting, and recycling.

Consider habitat enhancement program to coordinate all Town projects.

Rare species monitoring and management under MESA Permit.
EXISTING CONDITIONS

Between 2000 and 2012 aircraft operations (takeoffs and landings) decreased by 22%
EXISTING CONDITIONS

- Air taxi operations declined by 26%
- Still represent the majority of commercial operations at ACK
- The decline is due to various factors:
  - The recession of 2008-2010
  - Shift of passengers to high-speed ferry service
AVIATION ACTIVITY TRENDS

Passenger Enplanements
Nantucket Memorial Airport

- Cape Air Begins Service
- Post 9/11
- Recession
YEAR-ROUND AIR SERVICE AT NANTUCKET

• Very Short Haul
• High Frequency
• FAR Part 135 Air Taxi
• Primarily Origin & Destination (O&D)
• ACK-HYA; ACK-BOS Primary Markets
• Compete against SSA & Hy-Line ferries
SEASONAL AIR SERVICE AT NANTUCKET

- Mainline Connections
- Short Haul
- Hub Feed & Beyond Markets
- FAR Part 121
- Not competing with ferries
- RJ market shifting rapidly:
  - 50-seat A/C retired
  - 70-100 seat jet replacements
LARGER AIRCRAFT AT NANTUCKET

- Require More Ramp Space
- May Impact Service Frequency
- Impact of Mainline Mergers on ACK
Business Jet Operations
Nantucket Memorial Airport

Source: FAA TFMSC
LARGER AIRCRAFT AT NANTUCKET
NEXT STEPS, MILESTONES & SCHEDULE

- Air Service Trends
- Aviation Forecasts
- Airport Facility Needs
- Alternative Concepts

- Late Winter/Early Spring 2014
Questions and Discussion