



NANTUCKET MEMORIAL AIRPORT

Master Plan Working Group Meeting

Tuesday, November 12, 2013



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



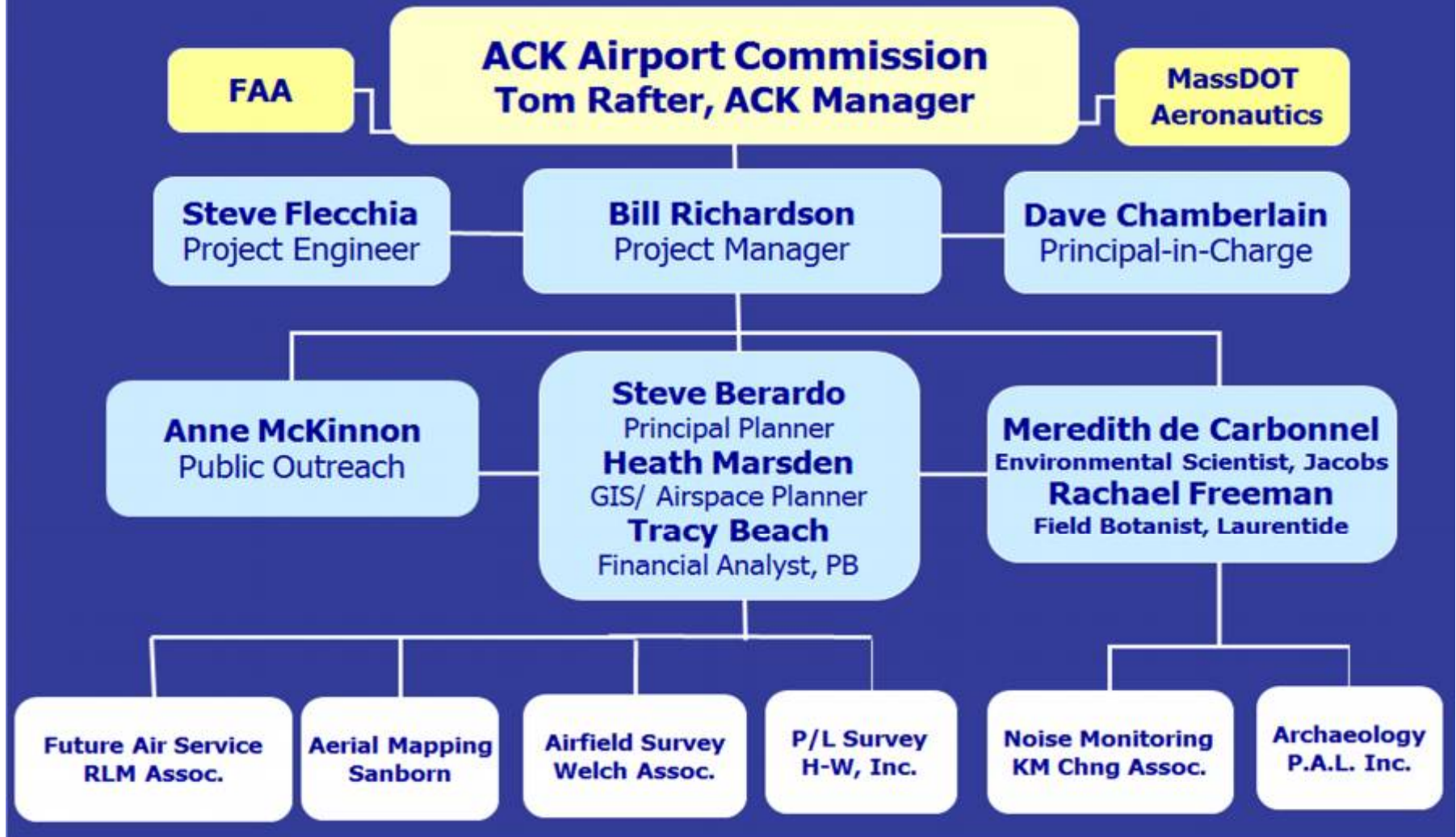


ROLE OF THE WORKING GROUP

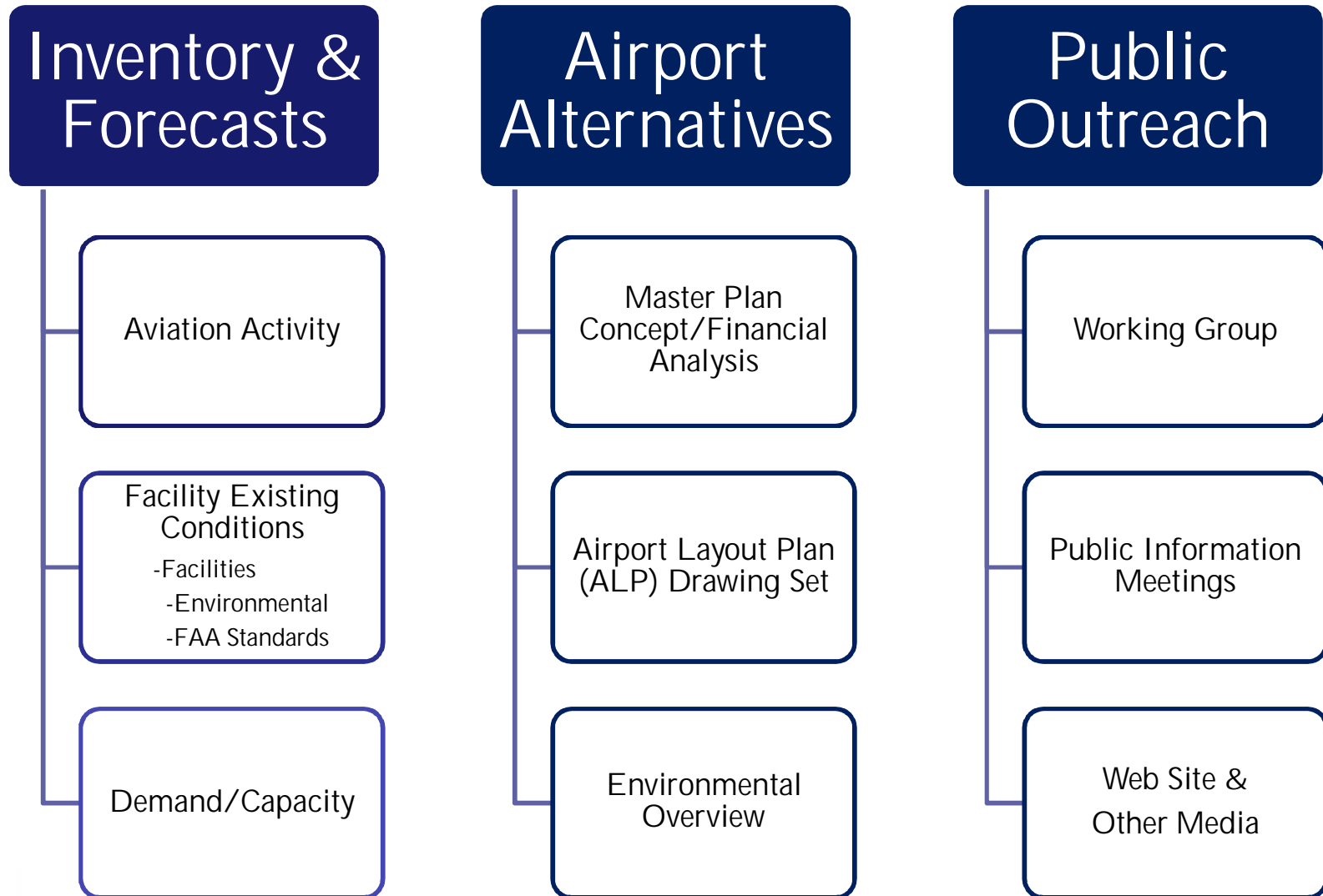
“Provide advisory input to the Airport Commission, who will be the Master Plan decision makers, and to serve as a liaison with Community Leaders and Advocacy Groups on Master Plan issues and concerns.”



Master Plan Team



The Master Plan Process



ACK Master Plan Schedule

Phase/Task	Summer '13	Fall '13	Winter '13	Spring '14	Summer '14
Inventory/ GIS Mapping/ Air Service Trends					
Environmental Sustainability					
Forecasts/ Fleet Mix					
Coastal Process Analysis					
Alt. Concepts Potential Impacts					
Implementations Plan/ ALP					
Financial Feasibility Plan					
Environmental Overview					
Public Outreach					



RECENT AIRPORT PROJECTS AND UPDATES

TERMINAL BUILDING RENOVATIONS

RUNWAY 33 EXTENSION

NEW FBO BUILDING

TAXIWAY 'J'

GRAVEL PARKING LOT

NEW ARFF BUILDING



RECENT AIRPORT
PROJECTS AND UPDATES

Airport Rescue and Fire Fighting (ARFF) Building



- New ARFF building (2012)
- Required by Federal Aviation Regulation



RECENT AIRPORT
PROJECTS AND UPDATES

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



RECENT AIRPORT PROJECTS AND UPDATES

Taxiway 'J'



- 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



RECENT AIRPORT
PROJECTS AND UPDATES

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



EXISTING CONDITIONS

Environmental & Sustainability

- 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.



EXISTING CONDITIONS

Environmental & Sustainability

- 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

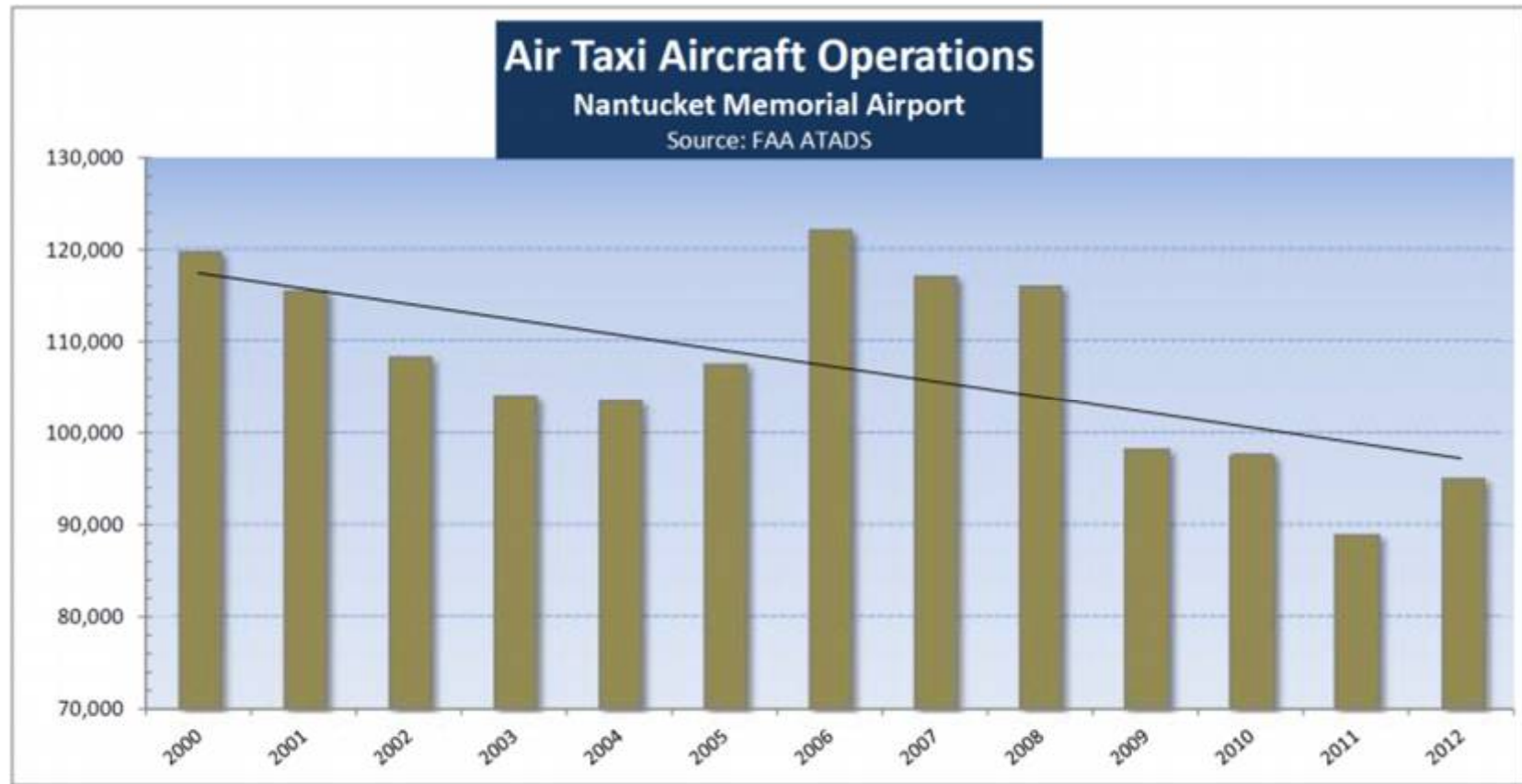
EXISTING CONDITIONS



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



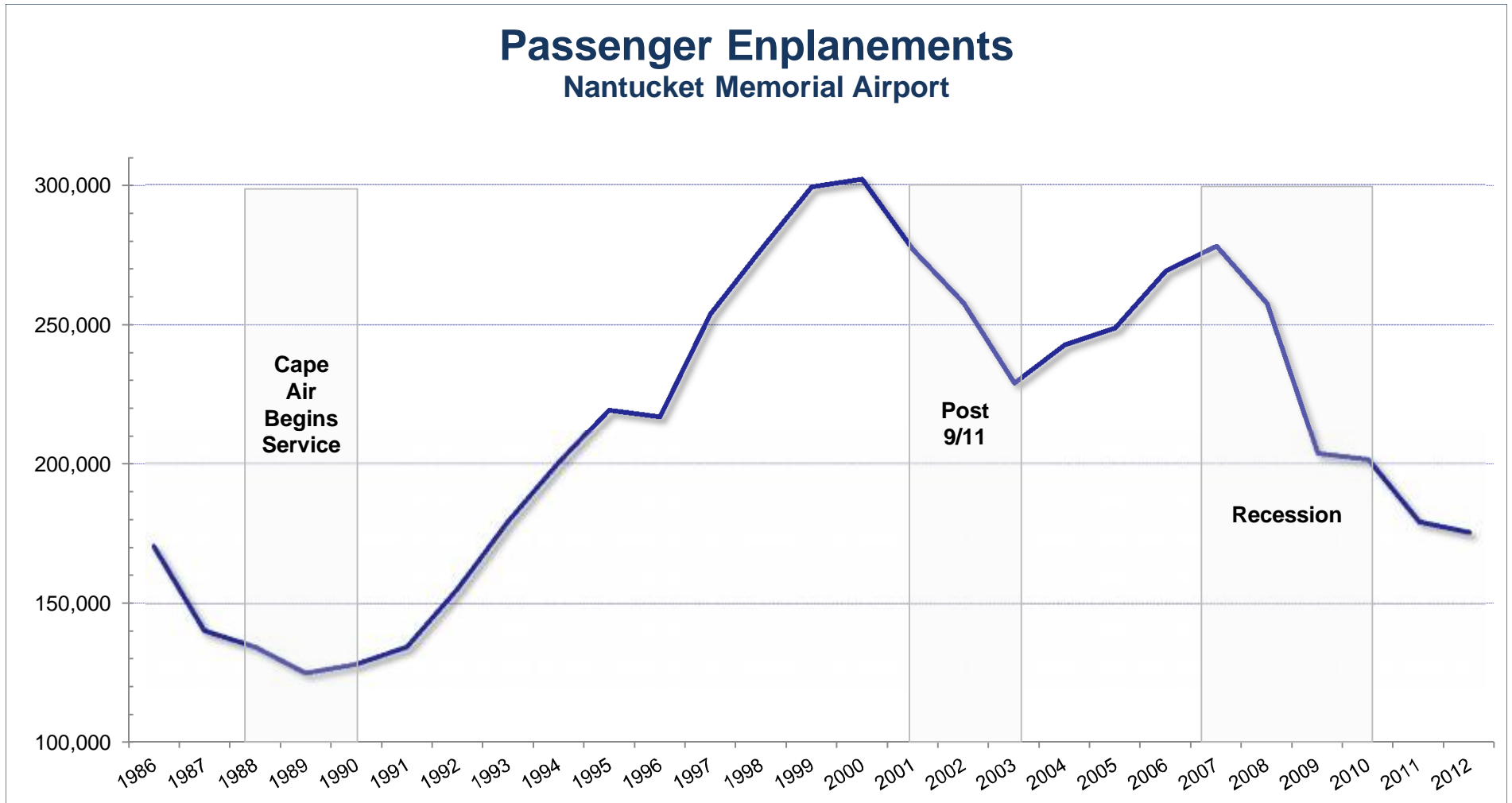
EXISTING CONDITIONS



- 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



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



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- 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 TFMS

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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

