AGENDA

City Hall Council Chambers
735 Eighth Street South
Naples, FL 34102

Thursday, January 18, 2018
1:30 p.m.

Commissioner Donna M. Messer – Chair and NCC Liaison
Commissioner Michael Lenhard – Vice Chair and Consultant Selection Committee Member
Commissioner James Rideoutte – Audit Committee Chair
Commissioner Ted Brousseau – Legal Liaison and Audit Committee Member
Commissioner Kerry C. Dustin
Executive Director: Christopher A. Rozansky
Authority Attorney: William L. Owens, Esq. of Bond, Schoeneck & King, PLLC

Welcome. If you wish to address the City of Naples Airport Authority Board of Commissioners and Noise Compatibility Committee regarding an item listed on the Agenda, please complete a Speaker Registration form (available at the rear of the room) and hand it to the Executive Assistant prior to consideration of that item. We ask that speakers limit comments to 5 minutes and that large groups name a spokesperson whenever possible. All written, audio-visual, and other materials distributed to Committee members or staff during this meeting will become the property of NAA and will be a public record. Thank you for your interest and participation.

NOTICE

No formal action may be taken on any item listed on the Agenda below, or added to the Agenda before or during the Workshop meeting. Also, the sequence of items may be changed as the meeting progresses. Any person who decides to appeal a recommendation made by the Board of Commissioners or the NCC with respect to any matter considered at this meeting may do so at the next NCC or City of Naples Airport Authority Regular Meeting.

Any person with a disability requiring auxiliary aids or services in order to participate in this proceeding for meetings at the City Council Chamber may call the City Clerk’s Office at 213-1015, or for meetings at the Airport Office Building, the NAA Executive Assistant’s Office at 643-0733, with requests at least two business days before the meeting.

Information which has been provided in advance of this meeting may be inspected at the office of the Executive Assistant, General Aviation Terminal Building, 2nd Floor, 160 Aviation Drive North. Minutes of this meeting will be prepared for Board and NCC approval, usually at the next Regular Meeting.

Two or more Commissioners or Committee members may be in attendance. Florida Statute 286.011 states, “any gathering, whether formal or casual, of two or more members of the same Board or commission to discuss some matter on which foreseeable action will be taken by the public Board or Commission must be conducted in accordance with the Sunshine Law.”
A. ROLL CALL

B. PLEDGE OF ALLEGIANCE

C. AGENDA (Add, delete or re-sequence items)

D. PRESENTATIONS AND TIME CERTAIN ITEMS

   1. Master Plan Update Presentation - Environmental Science Associates (ESA)
      a. Introductions
      b. Need for New Study
      c. Study Goals and Objectives
      d. Planning Process
      e. Schedule
      f. Participation
      g. Question and Answer Period

E. PUBLIC COMMENTS ON GENERAL TOPICS NOT ON THE CURRENT AGENDA

F. DISCUSSION ITEMS (Public comments accepted for each item; 5-minute limit)

   1. Master Plan Update

G. PUBLIC COMMENTS

H. ADJOURNMENT
PROJECT INCEPTION
What is an Airport Master Plan?

- Comprehensive Study of the Airport
  - Local Level Planning
  - 20-Year Timeframe
  - Detailed Documentation of Process
  - Presented in Written and Graphic Form

- Collaborative Effort

- Required by the Federal Aviation Administration (FAA) and the Florida Department of Transportation (FDOT)
Project Timeline to Date

- January 2017 – RFP Advertisement
  - Current Airport Master Plan is 20 years old
  - Completely new study needed for next 20 years
- March 2017 - ESA Team’s Integrated Approach
- August 2017 - FAA Grant Offered
- December 2017 – Notice to Proceed
Integrated Approach

Traditional planning with an issue-based approach.

- Airport Survey and Mapping
- Development, Redevelopment, and Real Estate Strategies
- Airfield Environment and Surrounding Community
- Sustainability and Resiliency Elements
- Stakeholder and Public Outreach
AIRPORT OVERVIEW
Airport History

- **1943**
  - Naples Army Airfield opens
  - Air Corps Base for training bomber crews and fighter pilots

- **1947**
  - Airport is returned to the City and County
  - Operated jointly until 1958

- **1969**
  - Naples Airport Authority formed
Airport History (continued)

1997
- Current Master Plan Update Completed

1999
- Airport is first in the country to successfully ban Stage 1 aircraft

2001
- First Part 161 Study leads to ban of Stage 2 Jet Aircraft
Airport at a Glance

- Approximately 732 acres
- Runways
  - 5/23 – 6,600' x 150'
  - 14/32 – 5,000' x 100'
  - NE/SW Turf – 1,850' x 100'
- Taxiway System Improvements
- Based Aircraft = ±380
- Total Operations (calendar year)
  - 2016 = 91,996
  - 2016 (thru Nov.) = 84,259
  - 2017 (thru Nov.) = 85,971
NEED FOR A NEW MASTER PLAN
Transition from 1\textsuperscript{st} to 2\textsuperscript{nd} Generation Growth
Address New Guidance
PROJECT OVERVIEW
Study Objectives

- Ensure orderly development: consider short term needs and long term plans;
- Ensure compliance with latest FAA/FDOT design criteria, grant assurances, and policies;
- Maximize level of service to airport customers and operators while maintaining low operating costs;
- Provide flexibility to allow the airport to respond to changes in the aviation industry;
- Meet FAA Airports Geographic Information System (AGIS) mandate;
- Create a new Airport Layout Plan (ALP) drawing set;
Study Objectives (continued)

- Incorporate environmental elements such as noise and stormwater into the analyses;
- Integrate sustainability (including solar feasibility) and resiliency concepts to ensure long term viability;
- Refine land and commercial real estimate development strategies;
- Diversify revenue streams and increase regional economic impact;
- Align with the airport’s strategic plan, including any potential rebranding; and
- Serve the air transportation needs of the community through the operation, development, and maintenance of an airport with a commitment to the same community’s quality of life.
Airport Master Planning Process

**Project Initiation**
- Stakeholder and Public Outreach
- Airport Mapping and AGIS

**Existing Conditions**
- Facilities, Operational, and Environmental Data
- Conduct Tenant and Customer Interviews

**Aviation Forecast**
- Passengers, Operations, and Based Aircraft
- FAA and FDOT Approval

**Facility Requirements**
- Capacity Assessment and Design Standards
- Airside, Terminal, and Landside Needs
Airport Master Planning Process (cont.)

Environmental
- Natural Resources, Noise Analyses, and Waste Audit
- Sustainability, Resiliency, and Stormwater

Alternatives Analysis
- Develop Concepts and Evaluate Options
- Recommended Alternatives

Airport Layout Plan (ALP)
- ALP Drawing Set and Exhibit "A" Property Map
- FAA and FDOT Approval

Development Program
- Financial Analyses, Costs Estimating, and Funding Options
- Capital Improvement Program

Key Deliverables
- AGIS Database
- 20-Year Aviation Forecasts (including passenger service analysis)
- Capital Improvement Program
- Master Plan Document
- ALP Drawing Set
- Exhibit "A" Property Map
- General Aviation Terminal Building Assessment
- Solar Feasibility Study
Aviation Activity Forecasts

- Commercial Passenger Service
  - historic retention and leakage
  - catchment area defined
- Air Taxi / Charter Operations
- Based Aircraft
- General Aviation Operations
- Military Operations

- Peaking Characteristics
  - peak month
  - average day of the peak month
  - peak hour of the average day
- Categories of Operations
  - local versus itinerant
  - instrument activity
  - day/night splits
  - operational fleet mix
- Critical Aircraft
Airport Design Standards

Airport Reference Code (ARC) represents the airport's critical design aircraft and is comprised of the following elements:

Aircraft Approach Category (AAC)

<table>
<thead>
<tr>
<th>AAC</th>
<th>Approach Speed (Knots)</th>
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<tbody>
<tr>
<td>A</td>
<td>&lt; 91</td>
</tr>
<tr>
<td>B</td>
<td>91 - &lt; 121</td>
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<tr>
<td>C</td>
<td>121 - &lt; 141</td>
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<tr>
<td>D</td>
<td>141 - &lt; 166</td>
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<tr>
<td>E</td>
<td>166 or more</td>
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Airplane Design Group (ADG)

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<thead>
<tr>
<th>ADG</th>
<th>Wingspan (feet)</th>
<th>Tail Height (feet)</th>
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<tbody>
<tr>
<td>I</td>
<td>&lt; 49</td>
<td>&lt; 20</td>
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<tr>
<td>II</td>
<td>49 - &lt; 79</td>
<td>20 - &lt; 30</td>
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<td>III</td>
<td>79 - &lt; 118</td>
<td>30 - &lt; 45</td>
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<td>IV</td>
<td>118 - &lt; 171</td>
<td>45 - &lt; 60</td>
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<td>V</td>
<td>171 - &lt; 214</td>
<td>60 - &lt; 66</td>
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<tr>
<td>VI</td>
<td>214 - &lt; 262</td>
<td>66 - &lt; 80</td>
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Representative Aircraft by ARC

- **A-I**  Beechcraft Bonanza
- **A-II**  Cessna Grand Caravan
- **B-I**  Cessna Citation Mustang
- **B-II**  Cessna Citation Sovereign
Representative Aircraft by ARC

- C-I  Bombardier Learjet 60
- C-II  Bombardier Challenger 650
- C-III Bombardier Global 5000
- D-II  Gulfstream IV
Environmental Elements

Infrastructure Challenges
- FEMA Elevations
- Stormwater Management

Sustainability Issues
- Define Goals and Objectives
- Waste Audit and Solar Feasibility

Resiliency Planning
- Vulnerability Assessment
- Mitigation of Risk

Update Noise Contours
- New 20-year Activity Forecasts
- NextGen and Metroplex Influences
Capital Development Program

Comprehensive plan that can be easily adapted to change.

- Airport Financial Analysis
- Realistic Cost Estimates
- Grant and Non-Traditional Funding Sources
- Financial Feasibility
- Implementation Schedule and Phasing
PROJECT TIMELINE
## Naples Municipal Airport Master Plan Study Schedule

### Project Schedule

<table>
<thead>
<tr>
<th>TASK</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
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<tbody>
<tr>
<td>1 - Project Initiation</td>
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<td>2 - Existing Conditions</td>
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<td>3 - Aviation Forecasts</td>
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<td>4 - Facility Assessment and Requirements</td>
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<td>5 - Environmental Analyses</td>
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<td>6 - Alternatives for Airport Development</td>
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<td>7 - Airport Layout Plan Drawing Set</td>
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<td>8 - Recommended Development Program</td>
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<td>8.1 - FAA/Airport Management Coordination</td>
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<td>8.2 - Project Team Meetings</td>
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<td>8.3 - Agency Coordination</td>
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<tr>
<td>8.4 - Public Outreach Meetings &amp; Meetings</td>
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<tr>
<td>10 - Report Preparation</td>
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<td>11 - Project Administration</td>
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**Legend:**

- **A**: Public Outreach Kick-Off Meetings
- **B**: Public Outreach Open Houses - 1A & 1B
- **C**: Public Outreach Open Houses - 2A & 2B
- **D**: Public Outreach Open Houses - 3A & 3B

*Updated: January 2018*
Stakeholder and Public Involvement

Proactive Engagement of Stakeholders and Public

- Kick-off Meetings
- Tenant and Customer Interviews
- Public Outreach Open Houses
WELCOME!

Open House Purpose

- Introduce the Naples Municipal Airport (APF) Master Plan study
- Understand why Naples Airport Authority is conducting a new Master Plan for APF
- Opportunity to Provide Input:
  - your opinions and ideas
  - your experiences
  - your suggestions and vision

Project Overview

- The Airport Master Planning Process
- Project Timeline
- How to Participate
  - where to find additional information www.flynaples.com
  - access to working papers and other study materials
  - upcoming meetings and open houses
SUBMIT YOUR COMMENTS!

You may provide written comments during this public open house. Comment and survey forms are available for your convenience, to submit here or by mail to:

Douglas DiCarlo
ESA
4200 West Cypress Street, Suite 450
Tampa, FL 33607

Additional information on the Airport Master Plan is available at:
www.flynaples.com

Thank You for Your Participation!