

**AIRPORT PLANNING ADVISORY COMMITTEE (APAC) MEETING
FRIDAY, NOVEMBER 18, 2022 2:30 P.M.
CITY HALL, COUNCIL CHAMBERS, VERO BEACH, FLORIDA**

A G E N D A

- 1. SWEARING IN OF NEW MEMBERS – CITY CLERK**
- 2. SUNSHINE LAW BRIEFING – CITY ATTORNEY**
- 3. ELECTION OF OFFICERS**
 - A) Chairman
 - B) Vice Chairman
- 4. NEW BUSINESS**
 - A) [Airport Staff to go over the mission of the APAC – \(Power Point Presentation\)](#)
- 5. OLD BUSINESS**
- 6. MEMBER’S MATTERS**
- 7. CHAIRMAN’S MATTERS**
- 8. SETTING NEXT MEETING DATE**
- 9. ADJOURNMENT**

This is a Public Meeting. Should any interested party seek to appeal any decision made by the Commission with respect to any matter considered at such meeting or hearing, he will need a record of the proceedings made which includes the testimony and evidence upon which the appeal is to be based. Anyone who needs a special accommodation for this meeting may contact the City’s Americans with Disabilities (ADA) Coordinator at 978-4920 at least 48 hours in advance of the meeting.

Planning Advisory Committee Meeting 1

November 18, 2022



VERO BEACH
REGIONAL AIRPORT



HANSON

Agenda

- Introductions
- Sunshine Law review
- Overview of airport
- Overview of airport master planning process
- Project deliverables
- Advanced air mobility
- Planning Advisory Committee (PAC) role
- Committee input and discussion
- Project website – public comment

The “Sunshine” Law

Also known as the Open Meetings Law, it was established in Florida in 1967. It states that all meetings held by a state or municipal organization must be open to the public.

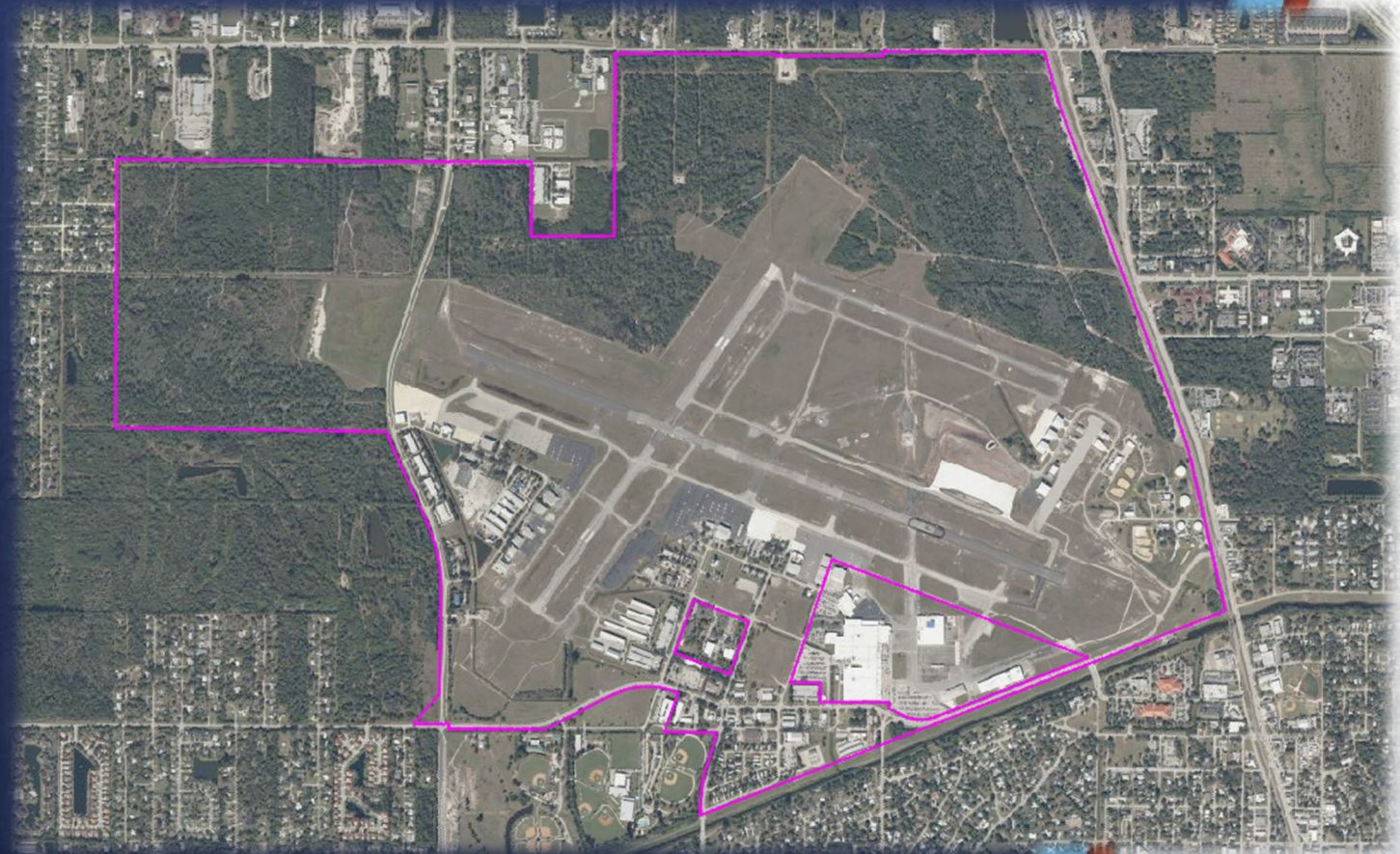
Basic requirements:

- Meetings of public boards or commissions must be open to the public
- Reasonable notice of such meetings must be given
- Minutes of the meetings must be taken, promptly recorded and open to public inspection
- May not discuss matters of the committee with other members outside of public meetings

Source: [Florida Sunshine and Public Record Laws \(floridadep.gov\)](http://floridadep.gov)

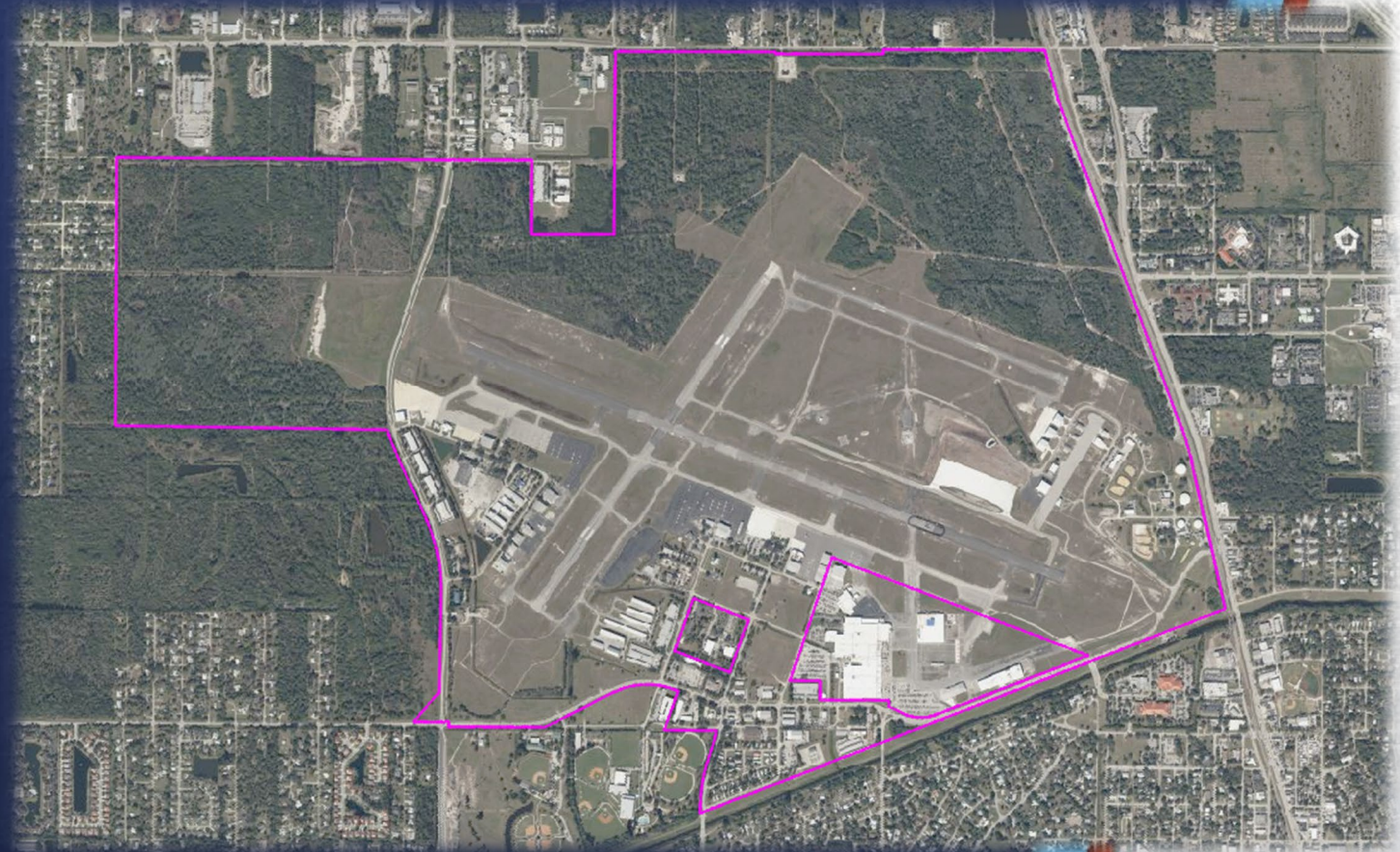
Vero Beach Regional Airport

- Deeded to the city by the U.S. government
- Total airport property: 1,707 acres
- Three runways — longest is 7,314 feet
- Air traffic control tower
- Supports general aviation (GA) and flight training
- Scheduled commercial service (CS) flights: Breeze Airways



Vero Beach Regional Airport

- Two fixed-base operators (FBOs)
- Aircraft manufacturing
- Two flight training facilities
- Several nonaeronautical support facilities
- 214 based aircraft (2021 airport records)
- 134,000 operations (FAA Air Traffic Activity System FY 2022)



Airport Master Plan

- What is an airport master plan?
 - A comprehensive study of the airport that typically describes short-, medium- and long-term plans for airport development
- What is an airport layout plan?
 - A set of drawings depicting existing conditions and recommended development
- What will not be included in this airport master plan?
 - Noise study, evaluation of aircraft traffic patterns and flight paths

Sources: FAA AC 150/5070-6B, Airport Master Plans
FDOT, 2021-2022 Guidebook for Airport Master Planning

Airport Master Plan

- What are the Federal Aviation Administration (FAA) and Florida Department of Transportation (FDOT) roles?
 - “FAA reviews all elements of the master plan to ensure that sound planning techniques have been applied.” The FAA only approves the aviation forecast and airport layout plan elements.
 - FDOT developed the Guidebook for Airport Master Planning “with the intent to help the user understand the development, preparation, and use of airport master planning documents in Florida ...”

Sources: FAA AC 150/5070-6B, Airport Master Plans
FDOT, 2021-2022 Guidebook for Airport Master Planning



Project Deliverables

- Working Paper 1 – Inventory
 - *Anticipated November 2022*
- Working Paper 2 – Aviation Activity Forecasts
 - *Anticipated February 2023*
 - Requires FAA concurrence before proceeding
- Working Paper 3 – Facility Requirements
 - *4 months after FAA forecast concurrence*
- Working Paper 4 – Alternatives Identification and Evaluation
 - *8 months after FAA forecast concurrence*

Project Deliverables

- Working Paper 5 – Facilities Implementation Plan
 - *12 months after FAA forecast concurrence*
- Airport layout plan drawing set
 - *14 months after FAA forecast concurrence*
 - Requires FAA review and conditional approval
- Stakeholder and public involvement
 - Planning Advisory Committee meetings
 - Public information workshop
 - Project website: www.vrbmasterplan.com

Aviation Activity Forecasts

- Commercial Passenger Service

- Enplanements
- Operations

- 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 vs itinerant
- instrument activity
- day/night splits
- operational fleet mix

- Critical Aircraft

Aviation Forecasts based on unconstrained conditions
(i.e. projected demand with no facility limitations)

Advanced Air Mobility

- Advanced air mobility (AAM)
 - Electric vertical takeoff and landing (eVTOL) aircraft
 - Increased opportunities for moving freight and passengers
- FDOT published Florida Advanced Air Mobility Planning
 - Reviews consideration for VRB
- AAM aircraft types
 - Multicopter
 - Lift and cruise
 - Vectored thrust

Examples of eVTOL aircraft categories



Multicopter



Lift and Cruise



Vectored Thrust

State of AAM

- Over the past five years, there has been high interest in the AAM industry, driven by **technological advancements** in areas such as electric propulsion and advanced flight controls, along with a growing societal focus on sustainability and the emergence of mobility as a service.
- AAM can transport goods and passengers within and between urban centers in a **green and efficient** manner at lower cost than traditional modes of transportation.
- There are over **500 prototypes** in various stages of development worldwide, with the top 50 having a high potential for commercial success.
- Morgan Stanley estimates that the AAM market will exceed **\$1 trillion dollars by 2040**.

State of AAM

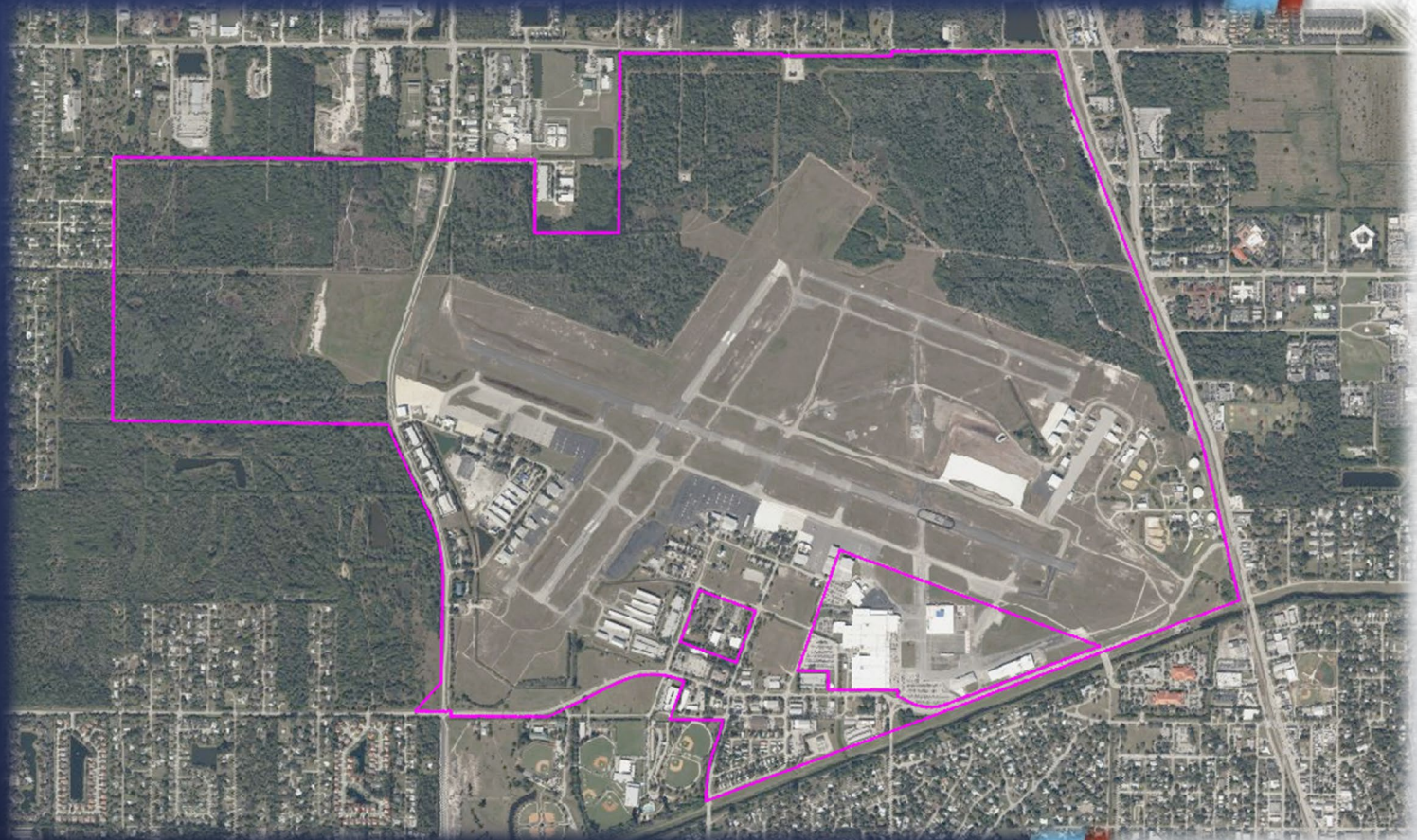
- Currently, there are roughly **10,000 letters of intent** and firm orders from commercial operators, airlines and air cargo companies for AAM aircraft.
- The **Advanced Aviation Infrastructure Modernization Act** has directed the FAA to take an active role in the planning and funding of vertiports in the U.S.
- Stakeholders have identified that the biggest challenge for AAM is ***infrastructure*** (electrical charging, airspace, support infrastructure).
- The advent of AAM will most likely allow smaller airports direct access to airline service at the larger airports via a single flight leg. This travel change represents a “**new economic geography**” for these locations.

PAC Role

- To get the word out
 - Share information about the process with interested individuals
- To serve as a resource
 - Access to specialized information
- To provide critical review
 - Review documents for accuracy, clarity of thought and intellectual integrity
- To provide feedback
 - Serve as a sounding board for the study team
- To function as a think tank
 - Encourage comments and additions during study process
- To make it happen
 - Input is critical in the decision-making process to proceed with recommendations of this study process

Committee Engagement

- Provide input to study process from your perspective
 - Overall goals
 - Airport strengths
 - Potential areas of improvements



Project Website – Public Comment

- For additional information regarding the VRB airport master plan, please visit <https://www.vrbmasterplan.com/>
- A link to project website is also on the airport's website
- Website contains FAQ to be updated during study
- Presentations as they occur
- Draft working papers as prepared
- **Opportunity to submit comments**
- In addition to the website, there will be a public information workshop