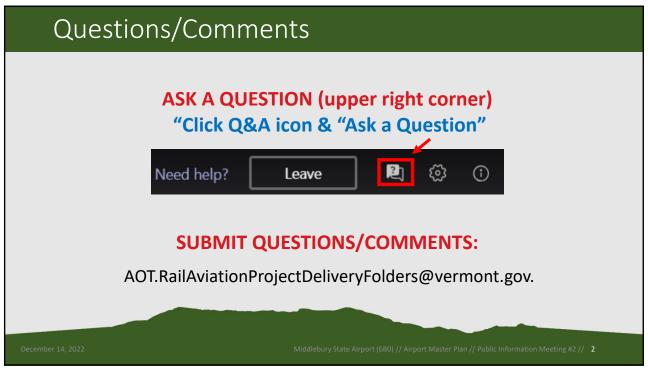


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Today's Agenda

- Overview of Master Plan Process
- Review of Study Findings
- Draft Recommended Plan
- Draft Airport Layout Plan
- Next Steps
- Open Discussion/Questions



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What is the Purpose of this Meeting?

- Community Engagement:
 - · Present the study findings
 - Answer questions
 - Collection input/comments
- Public Outreach Activities:
 - 2 Public Meetings
 - 3 Technical Advisory Committee (TAC) meeting

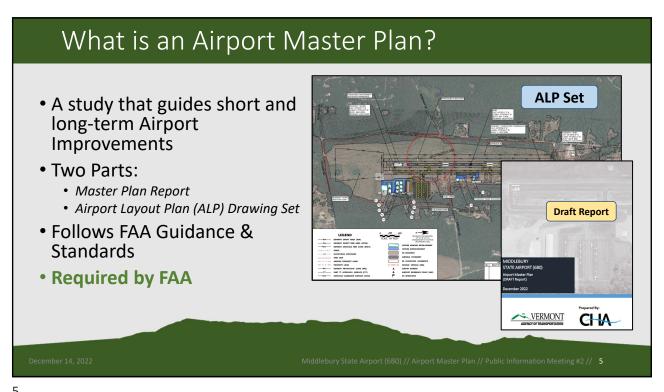




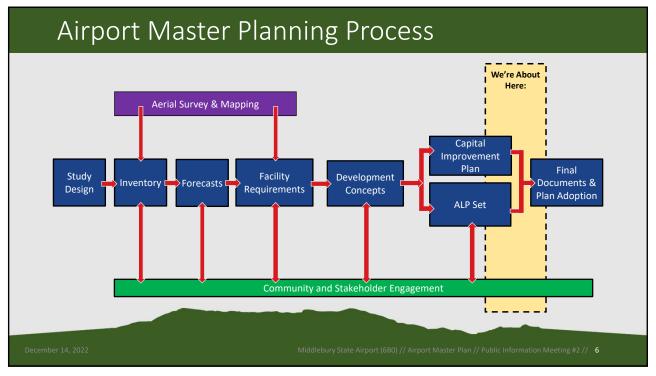
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Airport Master Plan – Focus Areas

- Focus Areas:
 - Airport Survey & Mapping
 - Airfield Needs & FAA Design Standards
 - Airspace Obstruction Considerations
 - Potential Improvements
 - Airfield
 - Hangars/Terminal Concepts
 - Phasing and Development Costs
- Follow up to the Vermont Aviation System Plan (VASP)



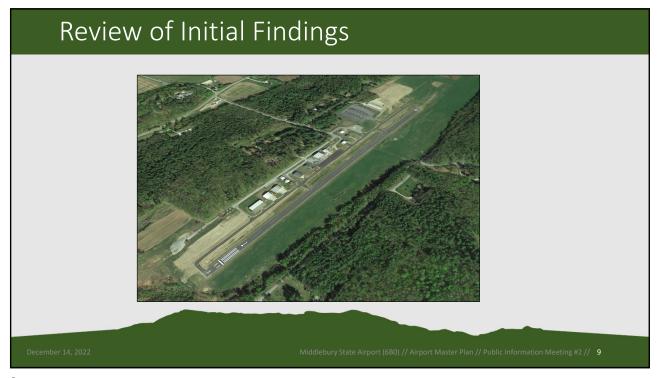


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Vermont Aviation System Plan (VASP) Statewide Aviation Study (2021) Identified recommendations for all public-use airports Considering location/distribution Project Needs/Justifications Feasibility December 14. | D



Key Airport Features - Airfield

- Approximately 156 acres
- Runway: 1-19 (3,200' in length)
- Full Parallel Taxiway

- Automated Weather Station
- Security Fencing
- No Runway/Taxiway Lighting









6B0 Master Plan Forecasts

Recommended Forecasts*

Based Aircraft

• VASP High Growth forecast, 9 additional aircraft by 2041

Based Aircraft

Year	Recommended Forecast	
2020	30	
2021	30	
2026	32	
2031	34	
2036	36	
2041	39	

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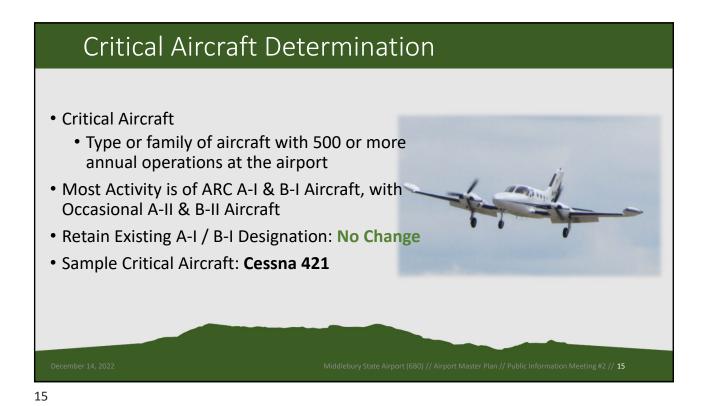
Airport Operations

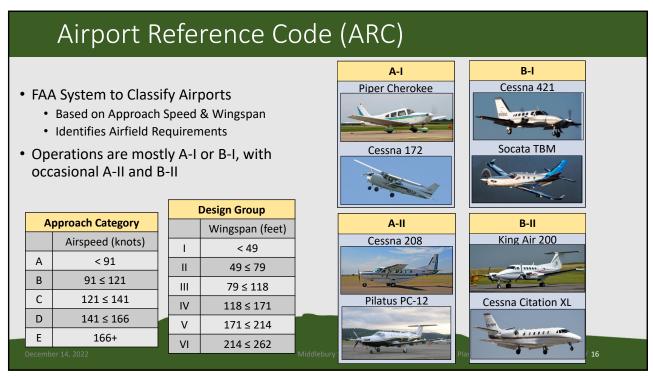
- VASP High Growth forecast
- 1,220 additional annual operations
- Does not exceed FAA parameters

Airport Operations

Year	6B0 TAF	Recommended Forecast	Recommended Forecast vs. FAA TAF
2020	6,350	6,350	0.0%
2021	6,350	6,403	0.8%
2026	6,350	6,677	5.1%
2031	6,350	6,962	9.6%
2036	6,350	7,259	14.3%
2041	6,350	7,569	19.2%

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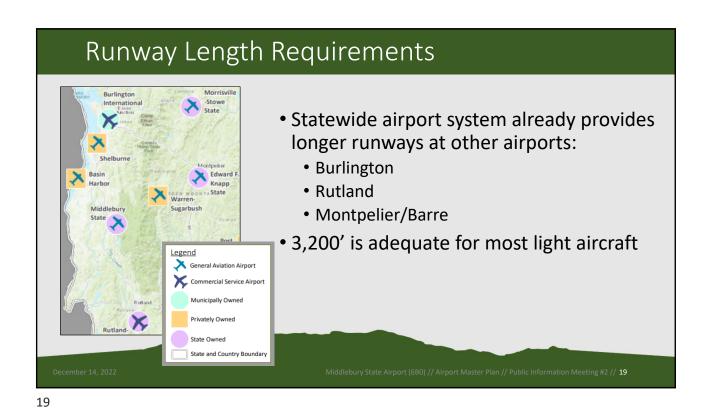




Runway & Taxiway Requirements

- Existing: 3,200' Long by 60' wide:
 - Adequate for Critical Aircraft & ARC B-I
 - No expansion required/recommended
- Full Parallel Taxiway: 25' wide





Instrument Approaches

• No Current Instrument Approach Procedure (IAP):

• Provides electronic guidance to the airport

• Use during low clouds or visibility <3 miles

• With GPS, no ground equipment is needed

• LAP Recommended

Sample:

• GPS Procedure

• E.F. Knapp Airport

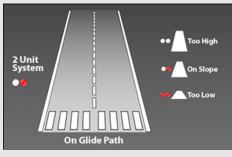
E.F. Knapp Airport

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- 2-Box Precision Approach Path Indicator PAPI-2
 - · Visual aid for pilots
 - Indicates if aircraft is on the ideal glide path
 - PAPI Recommended on both ends





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Precision Approach Path Indicator - MVL

- Ground view of 2-box PAPI
 - Image from 150' away
 - View from Munson Road would be 1,900' away



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Hangar and Apron Requirements

- Hangars:
- Existing Hangars are at Capacity (i.e., full)
- · Based Aircraft Growth is Anticipated
- Several Hangars in design/application phase
- Additional Hangars Recommended
- Aircraft Parking Apron:
 - Adequate positions available



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Terminal / Administration Building

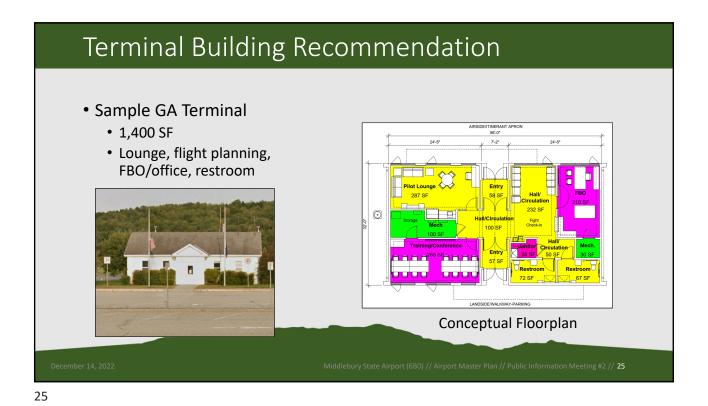
- Airport does <u>not</u> have a general aviation Terminal Building
- Desired Uses:
 - Flight planning & instruction
 - · Passenger waiting area
 - · Pilot lounge
 - Offices/conference/management space
 - Public Restrooms
 - Small Terminal Building Recommended



Sample: Morrisville-Stowe State Airport

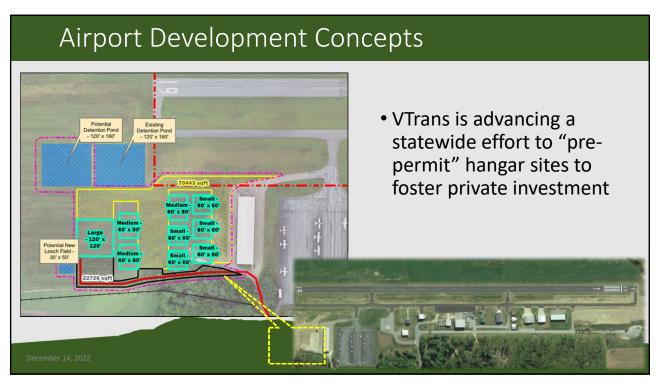
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Act 250 Permitting Process – for Hangars

Statewide Program for Airports:

- · Identify potential hangar locations
- Sites for small, medium & large hangars
- Complete 'Master Permitting':
 - General & Construction Stormwater
 - · Water & Wastewater
 - Act 250

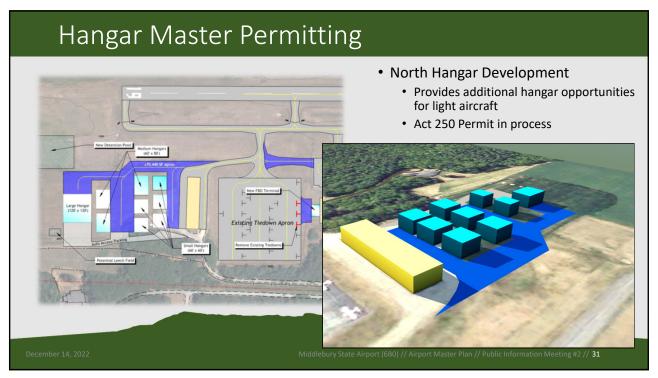
Status for Middlebury Airport

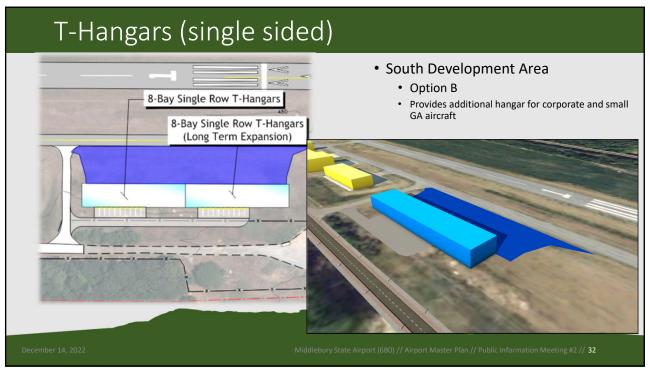
- Act 250 Amendment submitted (No. 9A0158-12)
- A 'major determination' is likely with a public hearing

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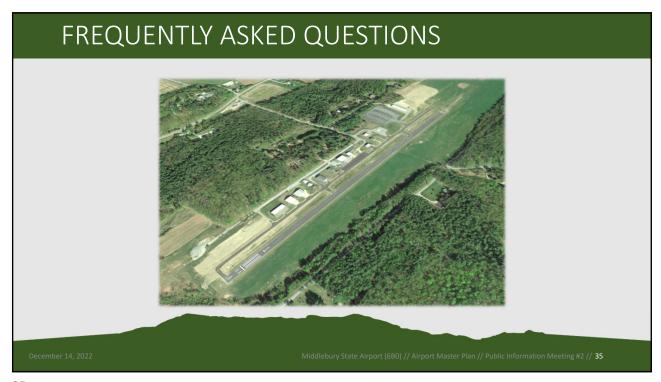




Recommendations
 Instrument Approach Procedures
 PAPI-2 Installation
 Tree Obstruction Removal
 Incorporate Proposed Hangars
 North Hangar Development
 South Hangar Development
 New Terminal Building, with vehicle parking and apron

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FAQs — Airport Activity/Operations Question A: Why is there a lack of data sources for current and forecasted activity levels? Question B: Why is the forecasted activity so high?

FAQs – Airport Activity/Operations

Question C: Will the proposed developments depicted in the Recommended Plan result in higher activity at the airport?

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FAQs – Act 250 – Hangar Permitting

Question D: Why is the Act 250 Master Permitting project being conducted in advance of the Master Plan?

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FAQs – Airport Lighting & Visual Aids

Question F: Does the Master Plan recommend airfield lighting for night operations?

Question G: Will the PAPI have visual effects on the neighboring communities?

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FAQs – Future Airport Facilities

Question H: Will all proposed developments depicted on the Recommended Plan be constructed?

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Other FAQs — Water Quality Question: Is the airport activity contaminating the local aquifer? Question: Does the Master Plan limit the use of herbicides?

