



# **Information Session for PA Senate Aviation Caucus**

**Prepared by: PennDOT's Bureau of Aviation**

**October 6, 2015**

# Session Overview

- Opening Remarks
- FAA Overview
- Bureau's Mission/Goals/Initiatives
- Safety/Licensing
- Planning/Programming
- Engineering
- Flight Services
- Closing
- Facility Tour

# Information Session

## Harrisburg ADO

Presented to: PA Senate Aviation Caucus

By: Lori Pagnanelli, Harrisburg ADO Manager

Date: October 6, 2015



Federal Aviation  
Administration



# Overview

- ✓ **Partner with PENNDOT Bureau of Aviation's Knowledgeable and Dedicated Team**
- ✓ **Administer Airport Improvement Program Funds**
- ✓ **Summary of Federal Fiscal Year 2015**
  - 59 grants totaling over \$105 Million  
(37 grants in PA for over \$77.8 Million)
  - 68 grants closed out (41 in PA)
- ✓ **AIP Focus in Pennsylvania**
  - Overall Funding
  - State Block Grant Program
  - Grant Projects





# *AIP Focus in Pennsylvania*

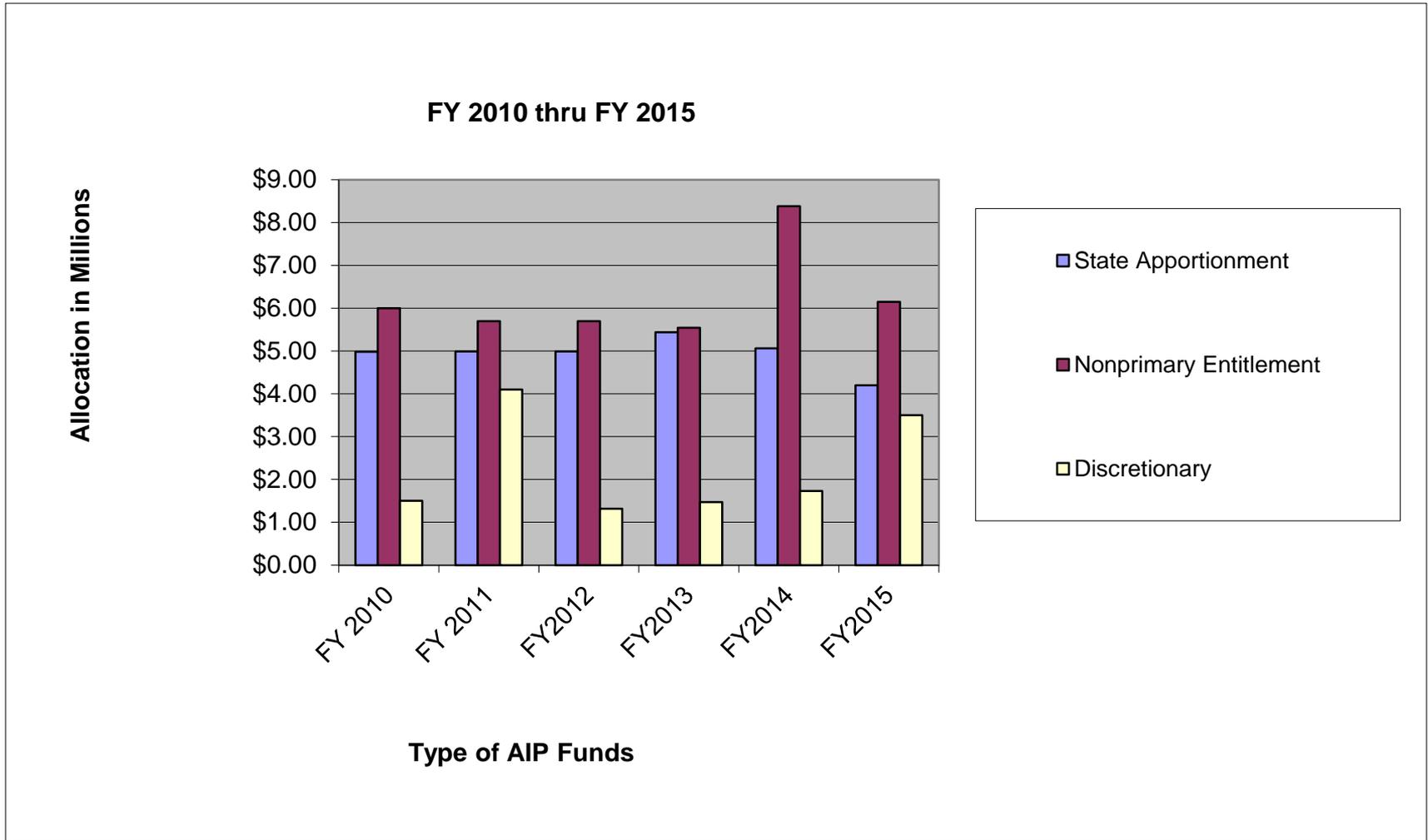
## Overall FY 2015 AIP Funding

- **NPE - \$ 9.28 M\***
- **State Apportionment – \$6.62 M**
- **Passenger Entitlement - \$27.76 M\***
- **Cargo Entitlement - \$2.17 M**
- **Discretionary - \$ 32.95M (\$45 M from FY 2014)**

**\*Includes Carryover Entitlement from previous fiscal years**

# AIP Focus in Pennsylvania

## State Block Grant Program



# *AIP Focus in Pennsylvania*

## Grant Projects



- ✓ **2015 National RSA GOAL for Part 139 Airports**
  - **ABE EMAS installation completed Sept. 2015**
- ✓ **PHL – LOI for Capacity Enhancement Program, including Runway Extension and Land Acquisition**
- ✓ **PIT – Continue Runway Rehabilitation**
- ✓ **AVP – Taxiway Extension**
- ✓ **Pavement Rehab – BFD, LNS, RDG, IPT, UNV, Gettysb**
- ✓ **Acquire Equipment (ARFF/SRE) - DUJ, ERI, JST, LBE**
- ✓ **Approach Acquisition/Obstruction Removal – AOO,AGC**
- ✓ **Airport Master Planning – ERI, AVP**
- ✓ **BG Projects w/Discretionary – New Garden**

# Bureau of Aviation

## Bureau of Aviation Overview

**Bureau Director**  
**Mr. Anthony McCloskey**  
**717-705-1212**  
**[amccloskey@pa.gov](mailto:amccloskey@pa.gov)**

# Bureau's Mission/Goals/Initiatives

## Bureau of Aviation

- 32 Positions/6 vacancies
- 3 Divisions
  - Flight Services and Safety Division
    - Aviation Specialists
    - Pilots/Aircraft Mechanic
  - Engineering and Planning Division
  - Multimodal Administration Division
    - Grants

# Bureau's Mission/Goals/Initiatives

**Vision** – To provide a safe, compliant, and reliable aviation transportation system for public and private operations by partnering with government, industry and community.

**Mission** – Provide expertise and assistance in the development, promotion, and preservation of aviation in partnership with government, business and community to provide a safe and reliable air system.

# Bureau's Mission/Goals/Initiatives

- Goals
  - Identify, Assess and Promote Aviation Safety
  - Preserve and Improve Aviation Facilities
  - Efficiently and Effectively Invest Federal and State Aviation Funding
  - Promote PA Aviation
  - Integrate PA Aviation into PA's Multimodal Transportation

# Bureau's Mission/Goals/Initiatives

- **Initiatives**

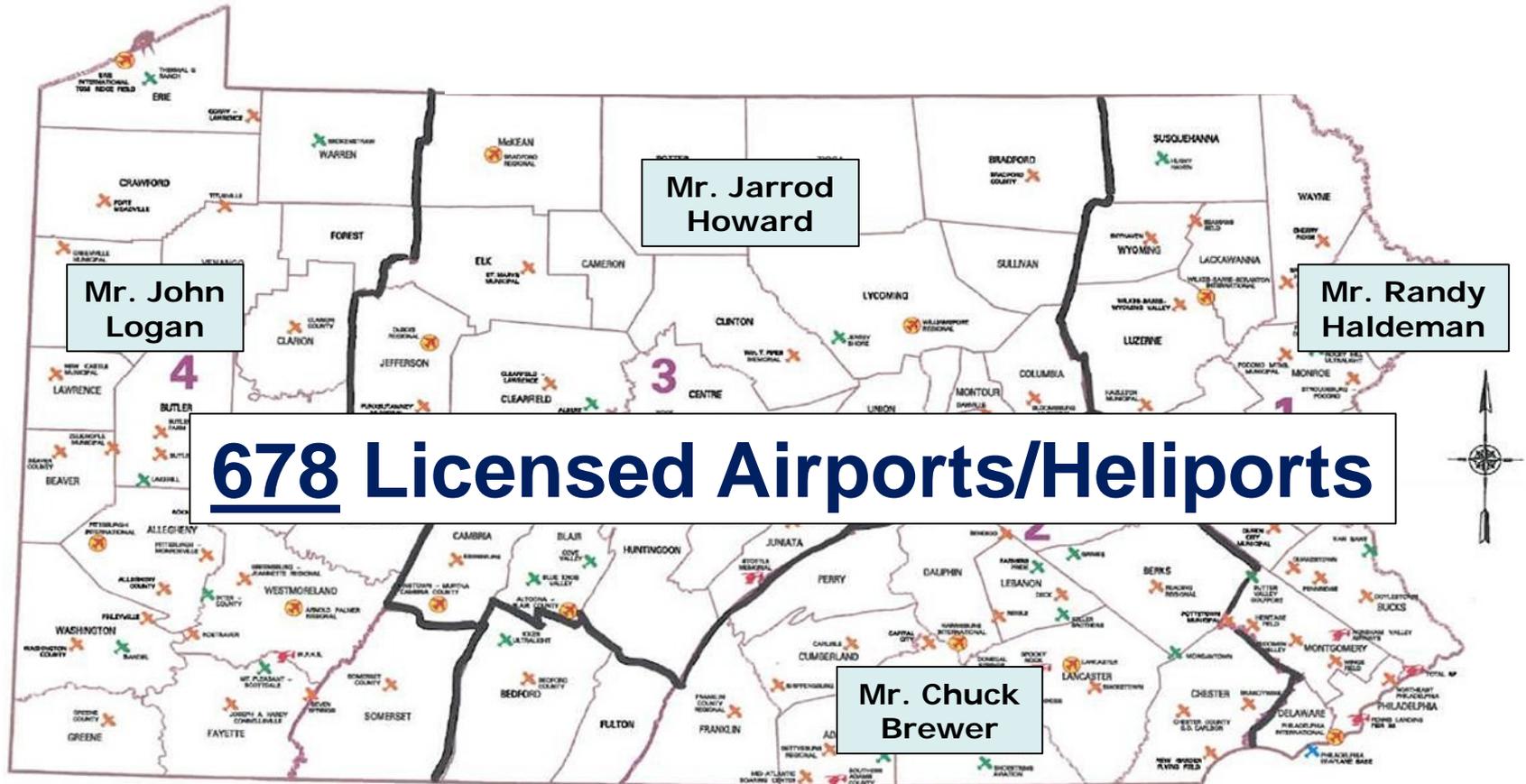
- Foster relationships with Multimodal Transportation, FAA, NASAO, Senate Aviation Caucus, PA Aviation Council, other state agencies (internal/external), airports, sponsors, industries, and communities
- Aviation Advisory Committee
- Revisit selection criteria for Non-NPIAS airport projects
- Re-engineer/Deploy Aviation 101 Training
- Develop Aviation Outreach Committee

# Bureau of Aviation

## Aviation 'Safety' & Licensing Section

Mr. John Melville  
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jmelville@pa.gov

# Aviation Safety and Licensing Section



John Melville – Supervisor  
Alesia Johnson – Lic. Coordinator

# Aviation Safety and Licensing Section

- **All Airports/Heliports Require Licensing**

- 130 Public Airports/Heliports

- 16 Scheduled Service
- Inspected Annually
- FAA contract to collect data



- 548 Private Airports/Heliports

- 100+ Hospitals / Medical Centers
- Inspected every 5 years

# Aviation Safety and Licensing Section

## → Assessing Facilities for Safety Compliance

- Airports



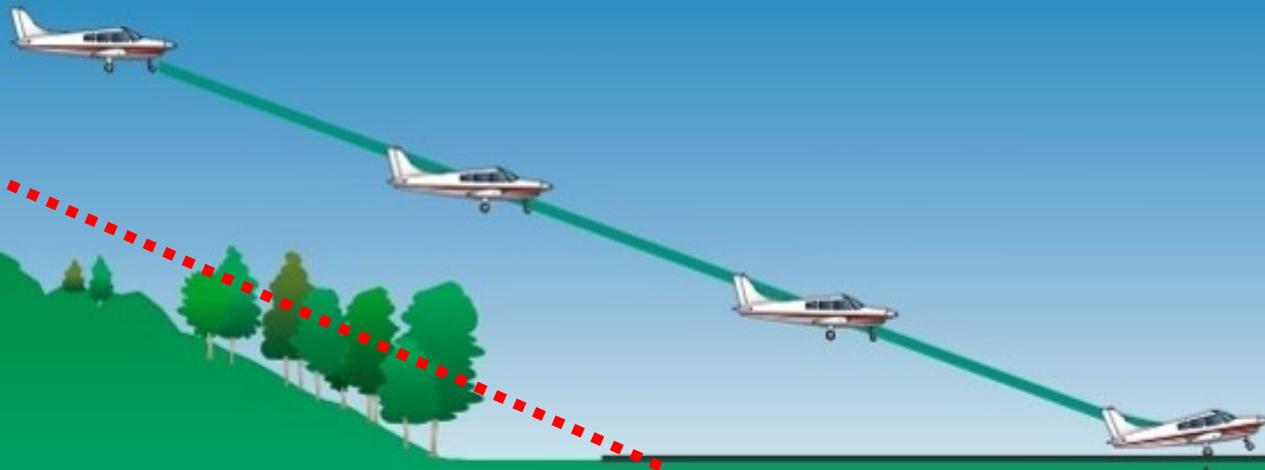
- Heliports



Inspection data used to help prioritize State investment...  
-- Safety projects first --

# Aviation Safety and Licensing Section

## Key Inspection Area - Navigable Airspace



Obstacle Clearance

Effective Runway  
Length

# Aviation Safety and Licensing Section

## Other Inspection Areas

- Marking



- Lighting



-- To FAA Standards --

# Aviation Safety and Licensing Section

## Other Inspection Areas

- Fueling Equipment
- Emergency Preparedness



-- To NFPA and FAA Standards --

# Aviation Safety and Licensing Section

## ➔ New Airport / Heliport Development



-- To FAA Standards --

# Aviation Safety and Licensing Section

## → Evaluate Proposed Structures

- Cell Towers

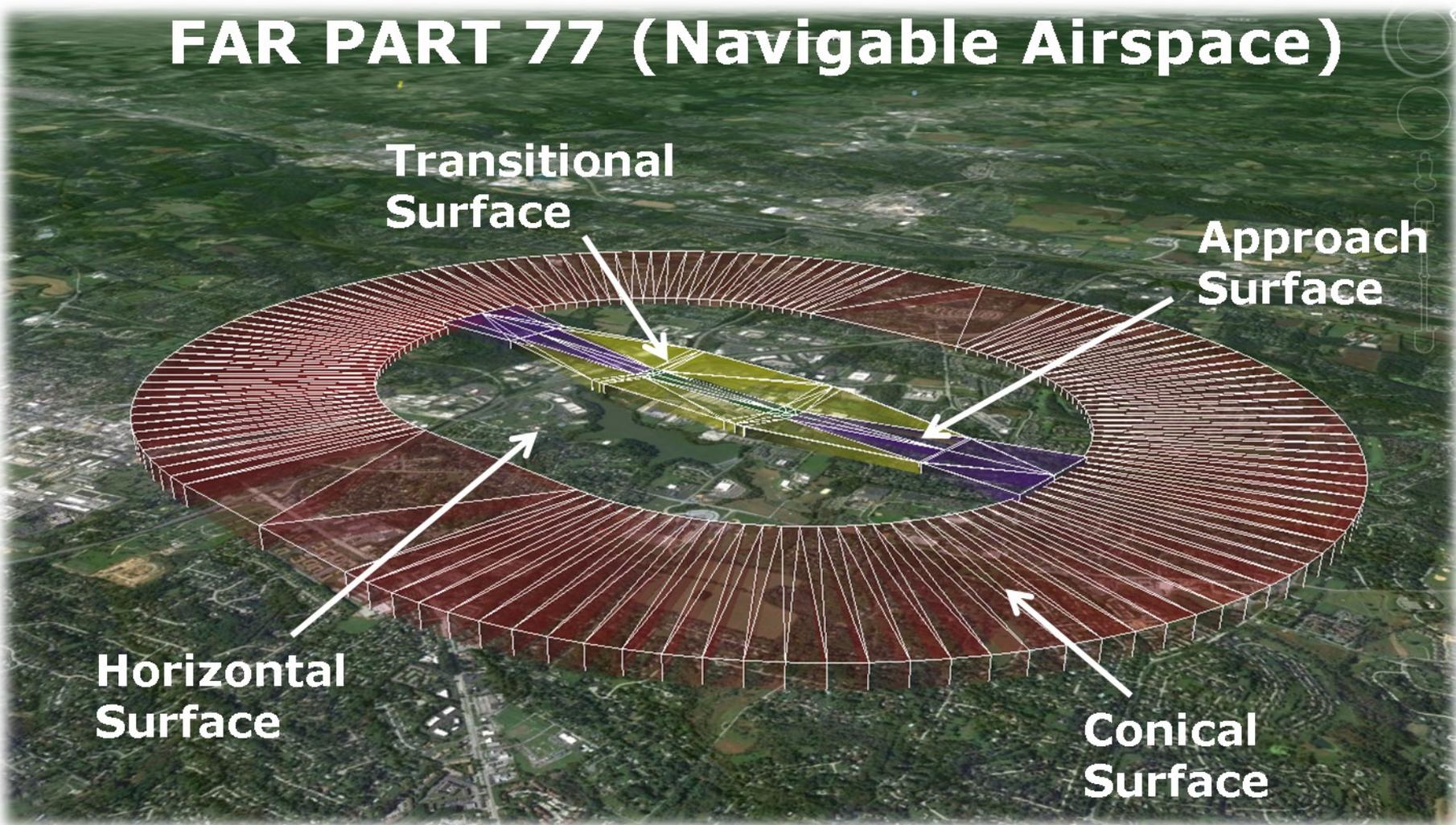


- Building/Structures



# Aviation Safety and Licensing Section

## FAR PART 77 (Navigable Airspace)



# Aviation Safety and Licensing Section

## Meteorological (MET) Towers Interactive Map

### MET Towers Structures

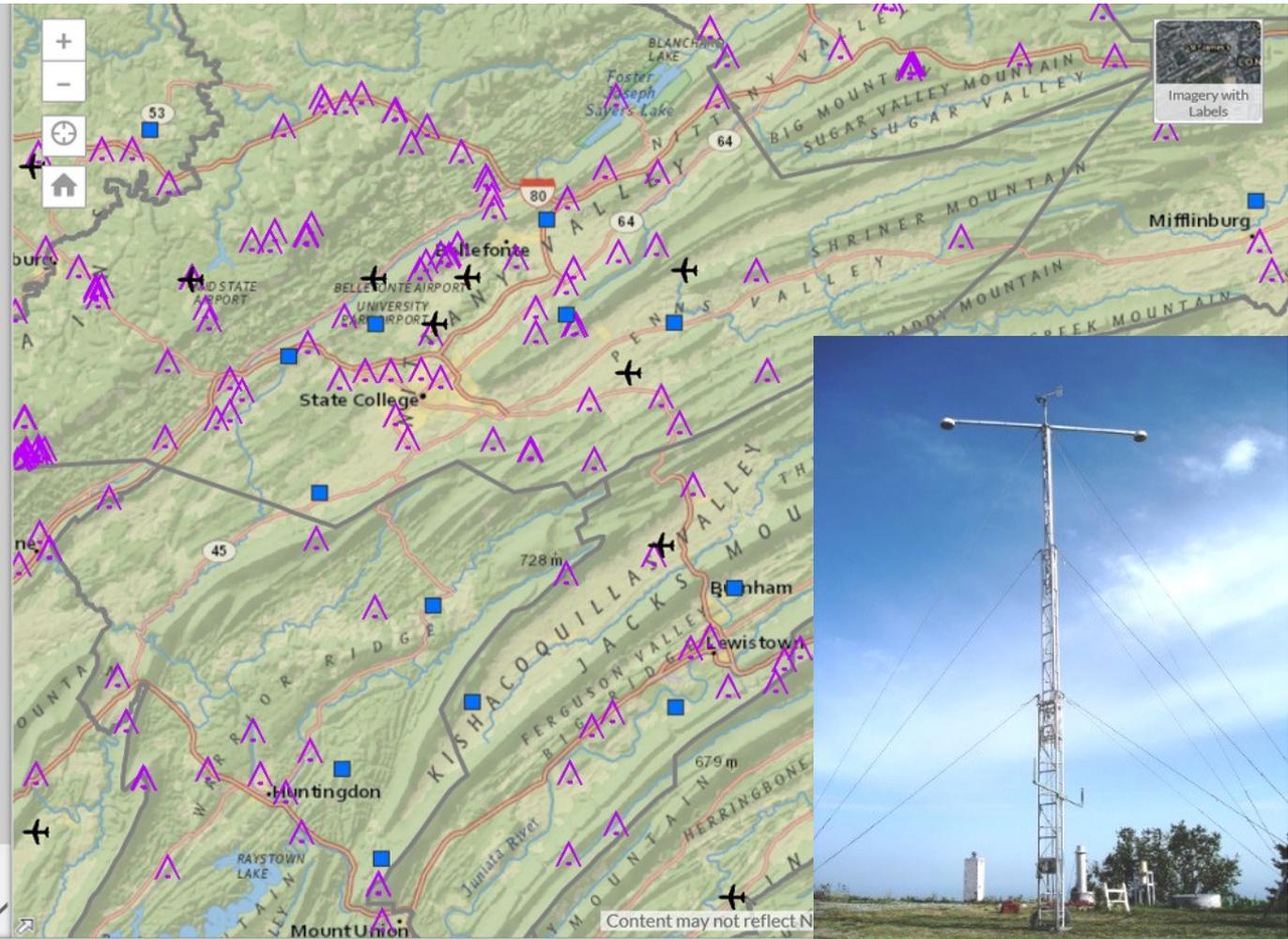
This map depicts registered MET towers, antennas, wind turbines and other tall structures in Pennsylvania. Structures listed are obtained from Federal Aviation Administration (FAA) archives and from notices provided to the PA Bureau of Aviation. Information is updated monthly or when notified of new MET towers. Data on this map is up to date as of 6/03/15.

This service is provided for pilots with low altitude flight requirements for hazard awareness. Information provide herein is intended to supplement not replace flight information obtained by other sources.

Begin by zooming into an geographic area of interest. Click on a tower icon to learn more about the structure. For more information about towers in Pennsylvania please visit [dot.state.pa.gov](http://dot.state.pa.gov) or direct questions and comments to: [RA-pdBurofAviation@pa.gov](mailto:RA-pdBurofAviation@pa.gov)

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445 views.



# Aviation Safety and Licensing Section

→ Investigate  
& Mediate  
Complaints



→ Aviation Liaison to PEMA



# Partners



**Airport  
Mngt**



**FAA**



**Local Govt**



**PennDOT**

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Google earth

[www.dot.state.pa.us](http://www.dot.state.pa.us)

# Aviation Safety and Licensing Section

## Pennsylvania Airport Manager's Safety Handbook



# Bureau of Aviation

## Aviation Planning Section

Mr. Tom Tomczyk  
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# Aviation Planning Section Functions



- **OVERSEE AIRPORT PLANNING**
- **REVIEW PLANNING STUDIES**
- **ENSURE THAT FUNDED AIRPORT PROJECTS ARE JUSTIFIED AND FEASIBLE**
- **DEVELOP 4 YEAR PROGRAM FUNDING PLAN**
- **ADDRESS SPECIAL AND UNIQUE ISSUES**



# Aviation Grant Programs

## **STATE BLOCK GRANT: \$10 - \$15 million annually**

- Administration of FAA Airport Improvement Program Funds
- Airports must be designated by the FAA for eligibility.
- Focus is on national priorities: safety, standards and airfield infrastructure preservation;
- 90% funding
- Documented justification for runway extensions.

## **AVIATION DEVELOPMENT PROGRAM: \$6 million annually**

- Funding from state Jet Fuel tax.
- Public-use aviation facilities in PA are eligible.
- Relied upon by FAA\SBG airports for ineligible AIP projects and state match
- Non-FAA\SBG airports for all projects; typically 75% state funding for non-match projects.

# Aviation Grant Program Differences

## **CAPITAL BUDGET: \$10 million annually**

- Limited to public-owned airports
- Eligibility requires a line item and 12-year plan project
- Typically 50% state funding;
- Mostly used for economic development type projects.

## **MULTIMODAL AVIATION**

- Available to all public-use airports;
- Typically 70% state funding;
- Mostly used for economic development type projects.

# Bureau of Aviation

## Airport Engineering Section

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# Airport Engineering Section

## Five Regions

**Regional Engineers/Project Managers**, are responsible for the management of all airport development projects including:

- providing technical guidance to airports through all stages of project development
- reviewing project documentation for adherence to requirements, accuracy and completion

# Schuylkill County Airport



## **New Hangar: 83'D x96'W x28'H**

- Total Cost \$950,000
- State share \$475,000(50% Cap. Bdg Funds)
- Completed August 18, 2014.

# YORK AIRPORT

## Mitigate Obstructions RW 35 Approach

- ADP Funding \$185,650 – Total Project Cost
- May 9, 2014 – Completion Date



# Arnold Palmer Airport Westmoreland County



**Public Safety Building [Completed - July 31, 2014]  
Accomplished with public/private funding scenario:**

**\* Total Cost: \$2,423,079**

- State ACB & ADP      \$612,500 & \$60,579**
- FEMA                      \$900,000**
- Mellon Foundation      \$850,000**

# POCONO MOUNTAINS MUNICIPAL AIRPORT

**RW Extension to 5001 Feet**  
**4501' - AIP Eligible**  
**500' - Local Funding**



# Bureau of Aviation

## Flight Services

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**kdoersom@pa.gov**



# Flight Services



- Transportation of Government Officials
- Provide pilots services for photogrammetry mapping
- Wildlife tracking and surveying for PA Game Commission



## Beechcraft Kingair 350

- Used for transportation of government officials.
- Seats 9 passengers.
- Cruises at 330 MPH.



# Pennsylvania

30 Minutes

60 Minutes





## Piper Navajo

- Used for photographic mapping.
- Backup to Kingair
- Seats two passengers



# Flight Services



## Cessna 182

- Used for tracking of animals with PA Game Commission
- Also transportation of state officials during good weather and trips of shorter distances.

# Bureau of Aviation

## Bureau of Aviation Summary

# CLOSING

## **Aviation Economic Development and Community Linkages**

DuBois Regional Airport (Clearfield-Jefferson Counties Regional Airport Authority) Strategic Plan:

### Erie Regional Multimodal Strategic Plan

Being developed co-jointly to guide the Erie Regional Area for future expenditures of all federal and state transportation funds

- Erie Metropolitan Transit Authority (EMTA)
- Erie Regional Airport Authority (ERAA)
- Erie-Western PA Port Authority (EWPPA)
- Develop Erie PA Economic Development Corporation

Economic Impact of Aviation (every 10 years)

# CLOSING

- **Aviation Education and Awareness/Research and Technology**
  - Aviation Advisory Committee
  - Aviation Outreach (Schools, Community, Facebook, Twitter, Welcome Centers)
  - Technology/License Renewals/Inspection
- **General Aviation**
  - Partnering with GA Airports for Growth and Development
  - Updating State Airport System Plan
- **Air Service Development**
  - Assure airports and heliports have the services and equipment to be able to accommodate air service