

# William J. Hughes Technical Center Inside the Fence

FAA WILLIAM J. HUGHES TECHNICAL CENTER

**Presented to:** Small Business Fair  
**By:** Mike Greco, Manager, Enterprise Services T&E Division, ANG-E6  
**Date:** October 30, 2014

# Topics

- William J. Hughes Technical Center
- Tenants/Aviation Partners



# 55+ Years of NAFEC History

- **New Jersey: Long History of High Technology Involvement**
  - Birthplace of the Industrial Research Laboratory (Menlo Park, Bell Laboratories, Sarnoff Laboratory)
- **Rich History of Aviation in South Jersey**
  - First Air “Carnival” in 1910
- **Established 1 July 1958**
  - Formerly NASAC
  - Unique National Asset
  - Federal/State Agencies Co-Located
  - Key Participant in National Air Traffic Control System Development/Testing



# The FAA William J. Hughes Technical Center

- Support the advancement of the Next Generation Air Transportation System by
  - Being the nation's leading federal laboratory for Research, Development, Test, and Evaluation and In-Service Management
  - Integrating systems and capabilities through collaboration with Industry, Academia, and Government
- Provide the gateway for National Airspace System upgrades, improvements, and operational sustainment



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# WJHTC Quick Facts

- **5,000 Acres**
- **250+ Buildings**
- **4,500 employees (3,000 FAA/Contractor)**
- **500,000+ sq. ft. laboratories**
- **“NAS under one roof”**



# William J. Hughes Technical Center



Atlantic City International Airport (ACY) SJTA



ACY Tower (ATM)



Safety



Systems Engineering



Information & Technology



Modeling and Simulation



177th Fighter Wing NJ Air National Guard



Research & Development



Test and Evaluation



Flight Inspections



United States Coast Guard Air Station AC



Laboratories



Center Operations



Federal Air Marshal Service



Transportation Security Laboratory



Engineering/Program Management



Concept Development and Validation



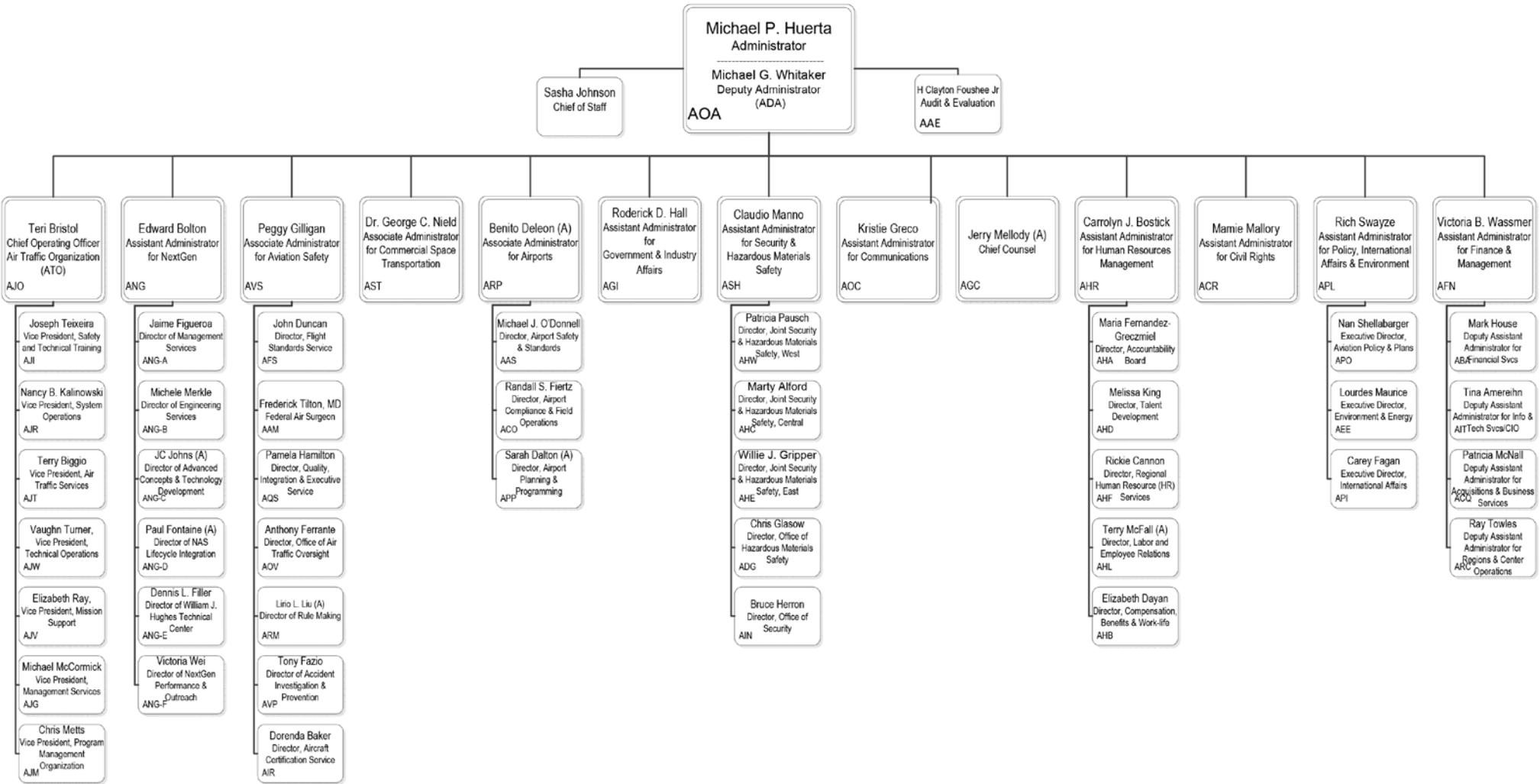
Operations Support

# Estimated Economic Impact

<b>Impact</b>	<b>New Jersey</b>
<b>Economic Output</b>	<b>\$ 1.2 Billion</b>
<b>Employment</b>	<b>4,500 Jobs</b>
<b>Workforce</b>	<b>\$382.5 Million</b>



# FAA Organizational Chart



As of: 3/25/2014



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# Technical Center: Multiple FAA Missions



Concept Development and Validation



Modeling and Simulation



Information & Technology



Systems Engineering



Research & Development



Test and Evaluation



ACY Tower



Laboratories



Center Operations



Engineering/Program Management



Flight Inspections



Safety



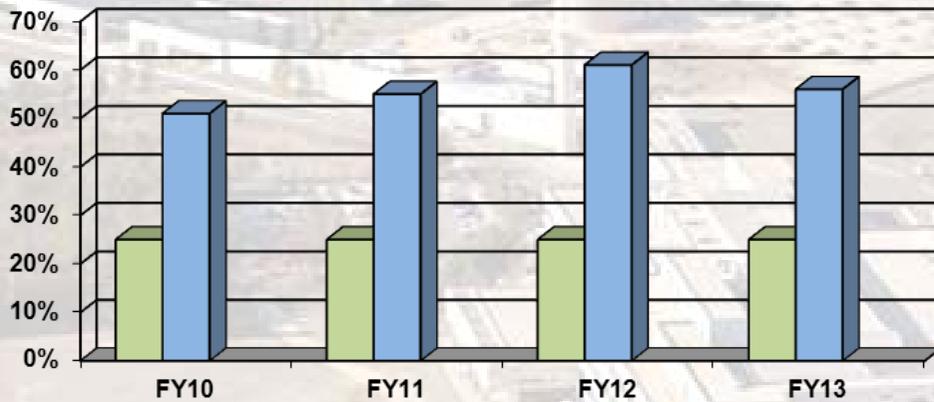
Operations Support

## ACT-wide Major Procurement Program Goals/Accomplishments (Direct Contracts)

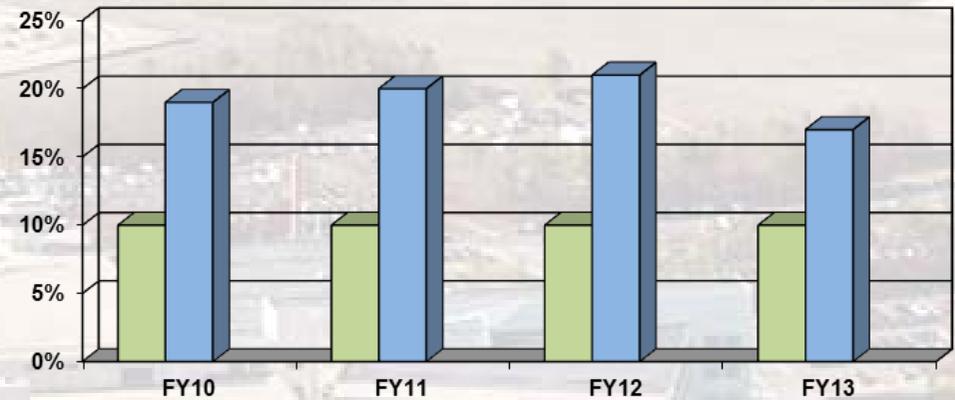


	FY 10	FY 11	FY 12	FY 13
<b>Total Procurement Obligations</b>	<b>\$211M</b>	<b>\$204M</b>	<b>\$225M</b>	<b>\$206M</b>
<b>Total Small Business Obligations</b>	<b>\$108M</b>	<b>\$112M</b>	<b>\$136M</b>	<b>\$115M</b>

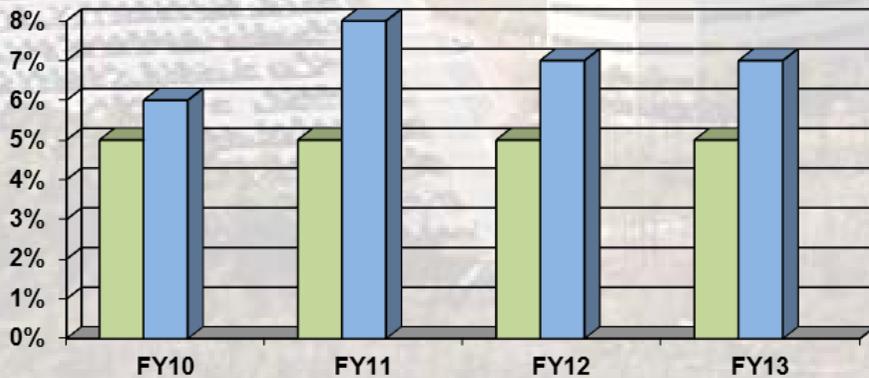
*Small Business*



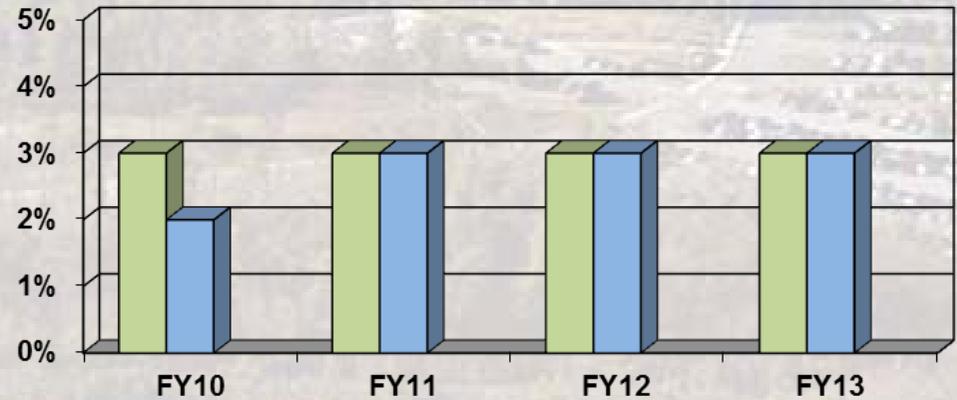
*Small Disadvantaged Business*



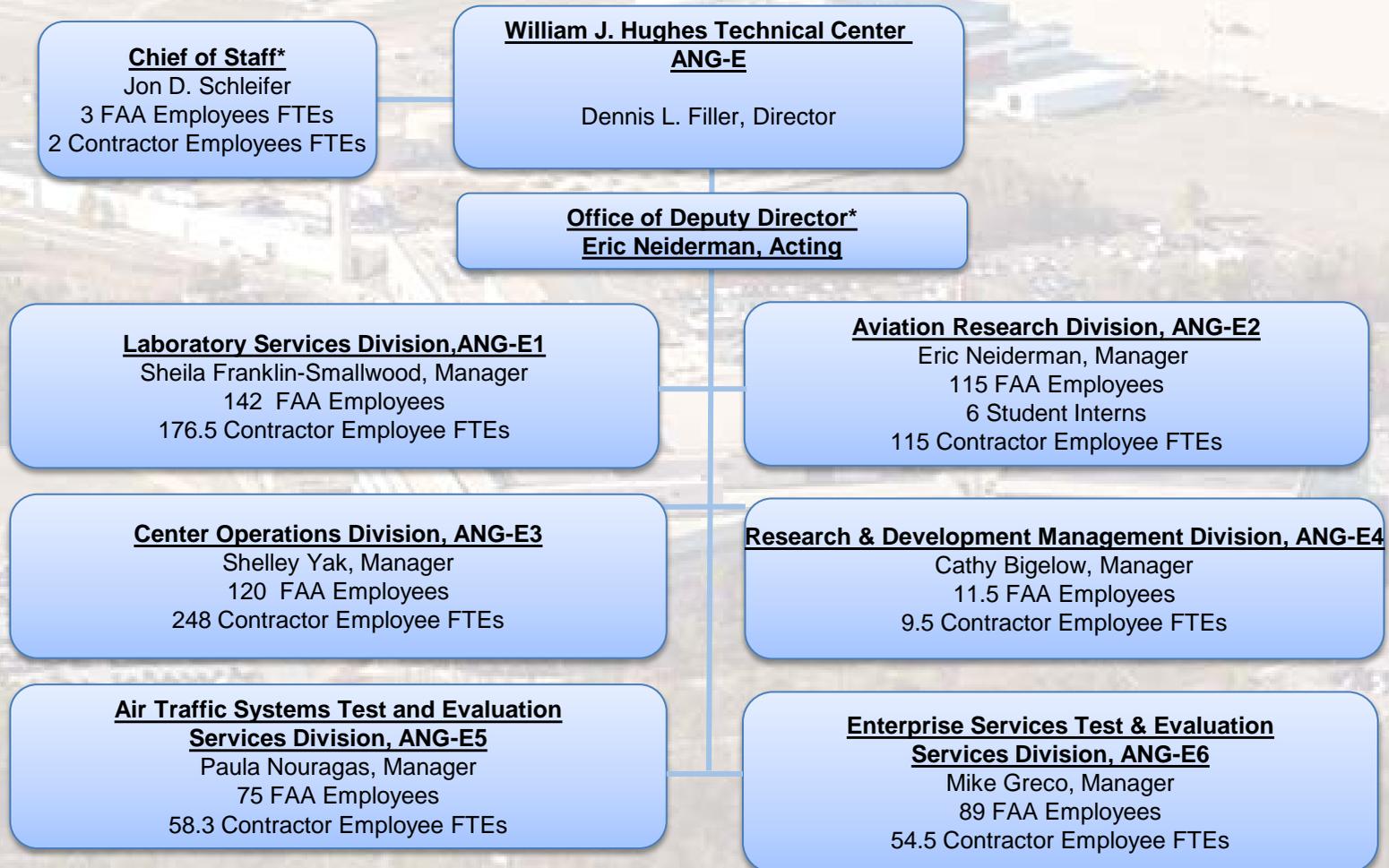
*Women-Owned Small Business*

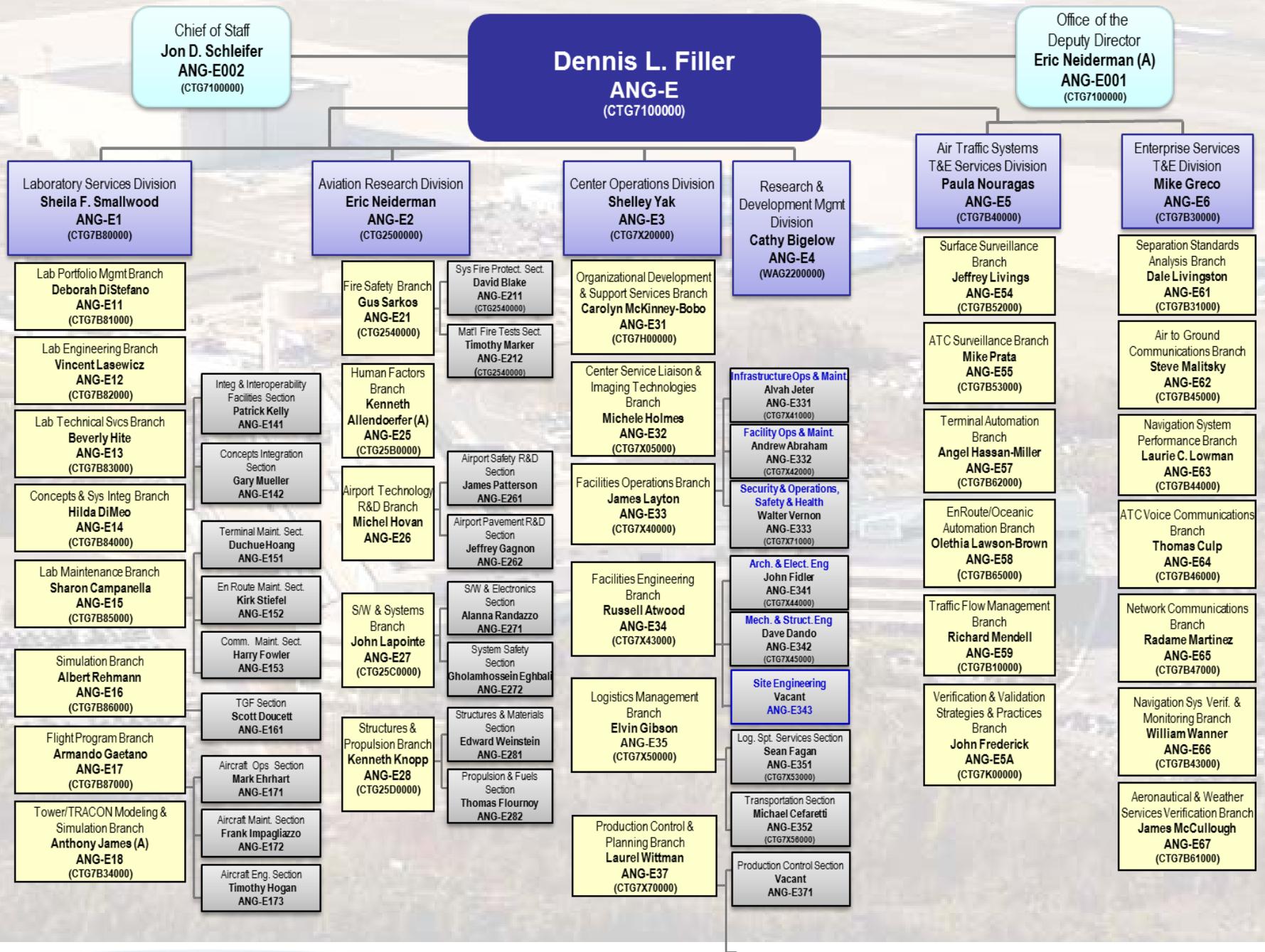


*Service-Disabled Veteran-Owned Small Business*



# William J. Hughes Technical Center, ANG-E





# Future Opportunities

- **ANG-E1: Laboratory Services Division**
  - NAS Lab Support Services
  - NAS Lab Tech Services
  - Concepts & Systems Integration Support Contracts
- **ANG-E2: Aviation Research Division**
  - Airports R&D
  - Fire Safety R&D



# Future Opportunities cont'd

- **ANG-E3: Center Operations Division**
  - Janitorial contract
  - Center Operations & Maintenance Services (COMS)
  - Environmental A&E Engineering Services
  - Security Guards
- **ANG-E5: Air Traffic Systems T&E Services Division**
  - Surface Surveillance T&E Support
  - ATC Surveillance T&E Support
  - Traffic Flow Management T&E Support
  - Verification and Validation Support



# Future Opportunities cont'd

- **ANG-E6: Enterprise Services T&E Division**
  - **Aeronautical & Weather T&E Support**
  - **Network Communications T&E Support**
  - **Air to Ground Communications and DataComm T&E Support**



# William J. Hughes Technical Center: Partners

- 177th Fighter Wing NJ Air National Guard
- United States Coast Guard Air Station AC
- Transportation Security Laboratory
- Federal Air Marshal Service
- Atlantic City International Airport (ACY) SJTA
- Aviation Research and Technology Park



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# 177th Fighter Wing NJ Air National Guard



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# US Coast Guard Air Station Atlantic City



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# Transportation Security Lab



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# Federal Air Marshal Service



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# Atlantic City International Airport (ACY) South Jersey Transportation Authority



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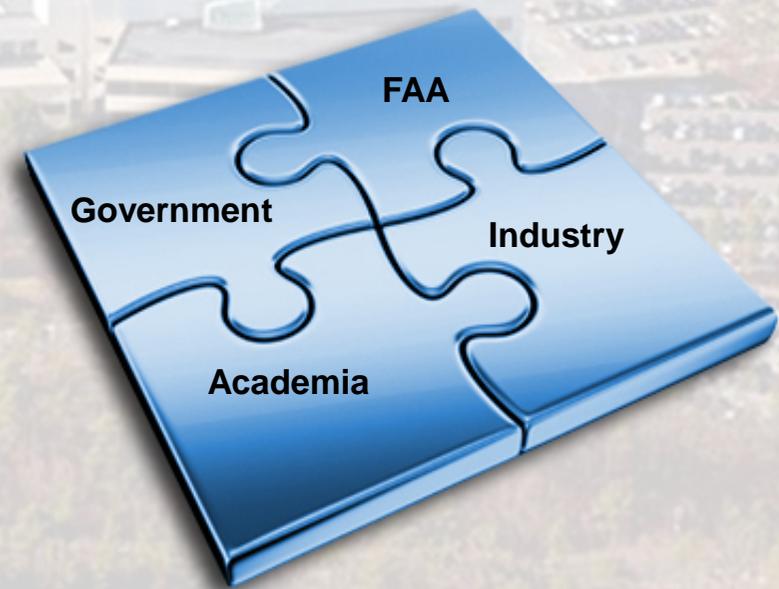
# Aviation Research and Technology Park



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# William J. Hughes Technical Center Summary

- One-of-a-kind Laboratory Environment
- World Class Expertise
- Partnerships – domestic and international
  - Industry
  - Academia
  - Government





FEDERAL AVIATION ADMINISTRATION

TECHNICAL CENTER

**CAUTION**

TAXI AIRCRAFT  
WITH CARE  
ON THE APRON

**ALL AIRCRAFT STOP HERE**  
FOR PARKING DIRECTIONS CALL  
**FAA OPS FREQUENCY 123.4 OR**  
**USCG OPS FREQUENCY 381.8 (UHF)**

# Questions/Discussion



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