

Bipartisan Infrastructure Law (BIL) Industry Day Webinar Hosted by the Small Business Program

16 May 2022

- Insight into current plans for BIL & Air Traffic Facilities
- Potential areas of opportunity



**Federal Aviation
Administration**



AIR TRAFFIC



- Provides \$1 billion/yr over 5 years to address the physical condition of the FAA's air traffic control facilities.
 - Reduce the Sustainment Backlog
 - ATC Facilities Replacement
- Year 1 Funding
 - Air Route Traffic Control Center (ARTCC) Facility Sustainment Study
 - Long Range Radar Sustainment
 - ATCT/TRACON Sustainment
 - Unstaffed Infrastructure Sustainment
 - Power Systems and Fuel Sustainment
- Year 2-5 Funding
 - Continued Sustainment
 - ATC Facilities Replacement Ramps Up



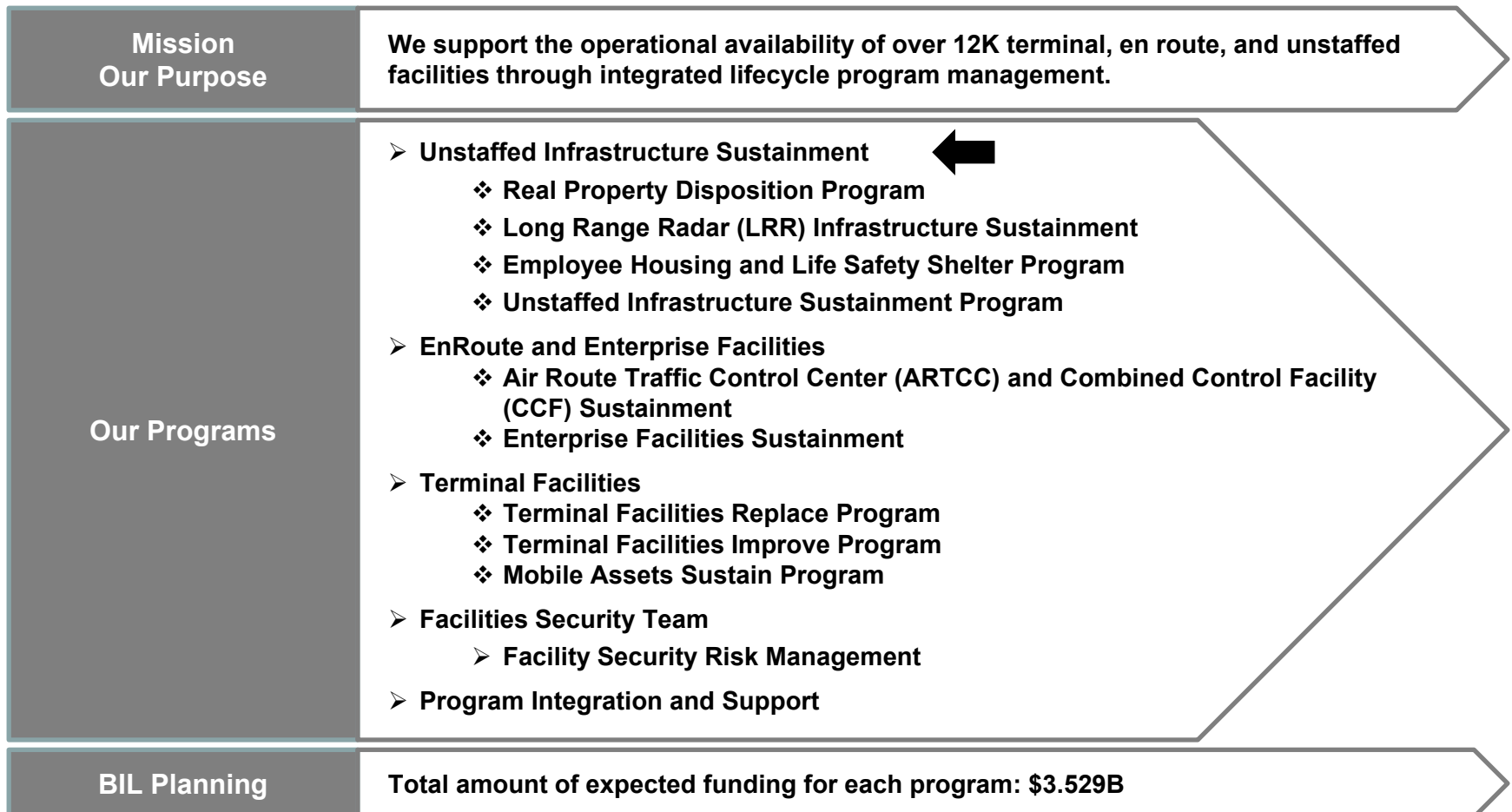
Opportunities – Equity

- **FAA ATC Facilities**

- In the first year of funding, we will leverage FAA acquisition programs and contracts with Small and Disadvantaged Businesses to maximize equity and inclusion.
- Collaborating with organizations to promote inclusion in planned acquisitions and seeking feedback from the public on how to best communicate and solicit interest in opportunities.
- Our facility replacement plan will include towers and other facilities in rural and underserved communities.



Facilities and Security Services Group Overview



Facilities and Security Services (FSG) FAA Unstaffed Site Sustainment

- **FSG has about 12,000 unstaffed sites in the National Airspace System (NAS)**
 - For example: Communications, Surveillance, Navigation, and Weather sites
- **FSG utilizes BIL and regularly appropriated funds to sustain the brick and mortar infrastructure at the NAS unstaffed sites**
- **Current BIL funding is being primarily focused on replacing communications sites and multimillion dollar approach lighting system support structures**
- **Regularly appropriated funds are primarily used to refurbish/replace: buildings, radio towers, and HVAC systems at the NAS unstaffed sites**
- **Currently, design and construct projects utilize internal FAA resources, existing large support contracts, a Qualified Vendor List (QVL), and individual locally awarded contracts**
 - The QVL is anticipated to reopen in the of Spring of 2023
 - Solicitations are advertised on [SAM.gov](https://sam.gov)



Examples of Unstaffed Sites (old versus new style)



Examples of Unstaffed Sites cont'd (old versus new style)



Power Services Group (PSG) Overview



<p>MISSION Our Purpose</p>	<p>Provide the best power systems by managing and executing programs to safely establish, replace, modernize, and sustain the NAS.</p>
<p>VISION Our Future State</p>	<p>Be the foremost organization for reliable and clean power systems in support of our customers and stakeholders to meet continuous power requirements of the NAS.</p>
<p>Our Programs</p>	<ul style="list-style-type: none"> ➤ Air Route Traffic Control Centers (ARTCC) Critical and Essential Power Systems (ACEPS) ➤ Alternative Energy Systems (AES) ➤ Critical Power Distribution System (CPDS) ➤ Direct Current BUS Power System (DC BUS) ➤ Electrical Line Distribution (ELD) ➤ Engine Generators (EG) ➤ Environmental Remote Monitoring System (ERMS) ➤ Fuel Storage Tank (FST) Replacement and Management ➤ Lightning Protection, Grounding, Bonding and Shielding (LPGBS) ➤ National Airspace System (NAS) Batteries ➤ Power Conditioning System and Uninterruptible Power Supply (PCS / UPS) ➤ Visual Navigational Aids (NAVAIDS) Cabling ➤ Program Management and System Engineering (PSG)



Bipartisan Infrastructure Law Planning

PSG is expecting to receive ~\$790M* of BIL funding to support Power Services projects. PSG is currently working on identifying and prioritizing projects in Corporate Work Plan (CWP)



*FY22 Capital Investment Plan Appropriation:
F35.08-01 IIJA Fuel Storage Tank Sustainment: \$82.9M (Total)
F35.13-01 IIJA Power Systems Sustainment: \$360.1M (Total through FY23; \$360M additional appropriation expected FY24 through FY28)





Needs from industry

To help execute that BIL funding, PSG is expecting support needs across all 13 program areas. This will include:

- **Program Management**
- **Engineering**
- **Acquisition, Installation and Life-Cycle Support**
 - Batteries
 - Electrical Line Distribution
 - UPS
 - DC Bus
 - EG / FST
- **Training**
- **Safety (i.e. Arc Flash Hazard Analysis)**

Currently that work is executed across several contracts and work order vehicles, including:

- National Airspace System (NAS) Integration Support Contract (NISC)
- Technical Support Service Contract (TSSC)
- Power Equipment Installation &
- Engineering IDIQ
- GNAS Battery Contract
- Training Contract
- Engine Generator
- EDE Phase 1
- Static Transfer Switch
- ACEPS Battery
- Arc Flash
- EDE Phase 2
- UPS II
- DC BUS
- Contract Support



Requirements and Compliance Assurance (RCA) Environmental Occupational Safety and Health (EOSH) Support

Facilities

- **Current Level of EOSH and FLS support on a project basis for Terminal projects (Towers and TRACONs), both improvements and replacements.**
 - Scoping Assessments (when requested), includes inspecting existing facilities to provide guidance regarding the existing conditions of EOSH and Fire Life Safety (FLS) items in an active facility.
 - Design Reviews
 - Review designs and provide comments using FLS and EOSH Subject Matter Experts (SMEs) at all stages of a design.
 - Follow up and ensure designs meet code, and comments are closed.
 - Construction and Electronics Install Site Visits
 - Perform site inspections to ensure the design is being followed and that construction is to code.
 - Inform the project team and program leaders of any deficiencies in construction, and potential solutions for shortfalls.
 - System Testing and Contractor Acceptance Inspection (CAI)
 - Ensure installed EOSH and FLS equipment is up to code and functioning as expected.
 - Instruct, as necessary local personnel, in the use of installed equipment, especially for FLS.
 - Quality Assurance and Quality Control (QA/QC)
- **Provide lessons learned to the Standard Design Group (funded by AJW-23 as programmatic support)**



Environmental Occupational Safety and Health (EOSH) Support

Systems

- **Serve as the EOSH Stakeholder to the Joint Resources Council for acquisition programs seeking Investment Analysis Readiness Decision (IARD*) and Final Investment Decisions (FID).**
 - **Checklist Item**
 - Environmental and Occupational Safety and Health (EOSH) requirements have been identified in the Business Case, Final Program Requirements Documents (FPRD), and Implementation Strategy Planning Document (ISPD).
- **Serve as the EOSH Stakeholder for acquisition programs seeking an In-Service Decision (ISD) as part of the In-Service Review (ISR) Checklist**
 - **Checklist Items:**
 1. Environmental (National Environmental Policy Act (NEPA) and Environmental Due Diligence Audit (EDDA)
 2. Occupational Safety and Health (Technical Instruction Booklets, Generic Site implementation Plan and Reutilization and Disposition Plan
 3. Facilities (Fuel Storage Tanks, Environmental Compliance, Indoor Air Quality and Drinking Water)
- **Review new and revised FAA Orders for EOSH considerations**
- **Review NAS Change Proposals for system technical manuals and facilities under configuration management for EOSH considerations**

