

PUBLIC NOTICE

NANTUCKET MEMORIAL AIRPORT

Intention to File Passenger Facility Charge (PFC) Notice of Intent 20-02-C-00-ACK

The Town of Nantucket, as owner and operator of the Nantucket Memorial Airport (ACK), is posting this public notice as part of the Passenger Facility Charge (PFC) Notice of Intent process under 14 CFR §158.24. ACK intends to file PFC Notice of Intent #2 with the Federal Aviation Administration (FAA) which includes 16 "Impose & Use" projects where ACK will request approval to collect and expend the PFC funds.

The following 16 projects are included in the application as Impose & Use:

Project 1: Construct Aircraft Rescue & Fire Fighting Building – Design & Construction (2009)

PFC Revenue (Pay-As-You-Go): \$ 173,654 (2.5% of Total Project Cost)

Description: The project included the design and construction of a new Aircraft Rescue Fire Fighting (ARFF) Building. The building measures approximately 10,400 square foot in building footprint size and includes three bays to garage three existing ARFF vehicles.

Justification: The objective of the Nantucket Memorial Airport Commission is to complete construction of the ARFF Building in conformance with requirements necessary to maintain a safe, secure and operational airport. The building allows all three existing ARFF vehicles to be located under one facility as well as provide well needed space for ARFF equipment, apparatus, and training rooms. The building enhances the airport's ability to provide more efficient firefighting rescue service to an airfield that generates both commercial and general aviation aircraft activity and is also the second busiest airport in the Commonwealth.

Project 2: Rehabilitate a Portion of Runway 24 and Construct Runway 33 Extension (2011)

PFC Revenue (Pay-As-You-Go): \$ 109,904 (2.4% of Total Project Cost)

Description: Runway 15-33 was previously 4,000 feet in length. The last time an improvement was completed on Runway 33 was in 1995 when roughly 3,200 feet of runway was rehabilitated and narrowed from 150 feet to 100 feet in width. The 500-foot runway extension for Runway 33 had been identified on the airport layout plan since 2001. The overlay segment of the project included a 1,500-foot segment of Runway 24. This same area of runway required light adjustments for existing centerline and touchdown zone in-pavement fixtures.

Justification: The 500-foot extension increased the runway length from approximately 4,000 feet to 4,500 feet allowing "land and hold short" operations for air taxi service type

aircraft. The last time this section of Runway 24 was improved was 1991 under AIP-11. Since that time, the pavement had held up well but had shown sign of deterioration as it had been 19 years since the last overlay. It was agreed by all parties at the design scoping meeting that it would be best to include the overlay as part of this project to correct deficiencies and to take advantage of costs while a contractor is on-site to build the 500-foot runway extension to Runway 33.

Project 3: Security Enhancements - Replace Perimeter Fencing, Security Door, Gate Access Devices & Security Lights (2014)

PFC Revenue (Pay-As-You-Go): \$18,133 (5% of Total Project Cost)

Description: This project included the replacement of sections of security/perimeter fencing, upgrading security door and gate access devices, and adding a security floodlight pole.

Justification: The elements of this project enhanced, as well as maintained, airfield security practices by introducing modern matching technology access devices for three security doors inside the terminal building, maintaining a robust security/perimeter fence, and adding a light to a dark apron area where commercial airline aircraft park.

Project 4: Acquire Aircraft Rescue & Fire Fighting Vehicle (2014)

PFC Revenue (Pay-As-You-Go): \$ 32,145 (5% of Total Project Cost)

Description: This project included the purchase of a new ARFF Vehicle.

Justification: The Airport strives to make improvements to the airport that will enhance its safety. This new vehicle supported existing equipment that was outdated and assisted the airport staff in enhancing firefighting capabilities at the airport thereby improving safety.

Project 5: Acquire Aircraft Rescue & Fire Fighting Vehicle (2015)

PFC Revenue (Pay-As-You-Go): \$ 4,681 (5% of Total Project Cost)

Description: This project created a procurement package to purchase ARFF Tools & Equipment associated with the newly purchased ARFF Vehicle. ARFF tools and equipment to compliment the new ARFF truck had to be bid separately from the actual truck.

Justification: The Airport strives to make improvements to the airport that will enhance its safety. To this end, the Airport requested funding to purchase ARFF Tools & Equipment associated with and to compliment the newly purchased ARFF Vehicle.

Project 6: Reconstruct Portion of Commercial North Apron (2015)

PFC Revenue (Pay-As-You-Go): \$ 103,177 (5% of Total Project Cost)

Description: This project includes the reconstruction of a portion of the commercial north apron. The area of apron is currently used for several commercial airliners, mostly seasonal, but heavier loaded than what had been used in the past. This project also included the construction of a concrete hard stand.

Justification: The apron is used for aircraft such as E190 that are much heavier than what the ramp was originally design for many years ago. The aged apron pavement had exceeded its expected pavement life, was showing signs of surface distress, and was in need of rehabilitation. This project also included the construction of a concrete hard stand for the heavier aircraft to avoid future depressions in the pavement from the loads it has to endure.

Project 7: Security Enhancements – Install PA & FID System; Employee Interactive Training (2016)

PFC Revenue (Pay-As-You-Go): \$ 49,222 (7.1% of Total Project Cost)

Description: This project consisted of designing, furnishing, installing, configuring, setup and training of all necessary components to install a new and fully functioning Interactive Automated Employee Training System for the Nantucket Memorial Airport. This system is a stand-alone, interactive computer-based training system for Airport employees, consultants, contractors, and all personnel requiring access to secure areas of the Airport as required by the TSA. Additionally, the project including improvements to the terminal building public address (PA) system and flight information display system (FIDS).

Justification: Upon completion of the project, Nantucket Memorial Airport had a more thorough and efficient security training system in place resulting in a safer airfield. Additionally, training is more convenient for the trainees and requires less time involvement by the sponsor's employees which has provided long term financial savings for the sponsor. The clarity of the previous PA system has deteriorated over the years and a portion of the system had run off of old telephone lines. Upgrading the PA and FIDS at the same time will address ADA compliance concerns and provide the Airport with a better and clearer public address and flight information display system.

Project 8: Airfield Electrical Vault Modifications (2016)

PFC Revenue (Pay-As-You-Go): \$ 73,399 (5% of Total Project Cost)

Description: The project included the construction of a new airfield electrical vault on the northwest portion of the commercial apron adjacent to the Summer Arrivals Terminal. The previous vault would not safely house the proposed CCR's or future vault improvements, therefore a new structure was included in the bid package.

Justification: The previous CCR's were prone to frequent breakdown and had gone beyond their expected lifespan. The airfield lighting equipment is more modern, more dependable, easier to control/maintain, safer and more efficient.

Project 9: Acquire Snow Removal Equipment (Snow Blower) (2015)

PFC Revenue (Pay-As-You-Go): \$ 34,647 (5% of Total Project Cost)

Description: The project includes the purchase of a new snow blower with chassis. The new piece of SRE included a blower, runway broom, and plow.

Justification: The Airport strives to make improvements to the airport that will enhance its safety. To this end, the Airport received funding to purchase a new snow blower with chassis to replace an aging one in the previous fleet. The previous snow blower had exceeded its useful life and was in need of replacement.

Project 10: Install Perimeter Fencing/Reconstruct Apron (2017)

PFC Revenue (Pay-As-You-Go): \$ 130,122 (5% of Total Project Cost)

Description: This project included the reconstruction of the southerly portion of the commercial north apron. This project also included the construction of two concrete hard stands for the heavier aircraft to avoid future depressions in the pavement from the loads it has to endure. The Airport also replaced segments of its perimeter security fence, with this segment totaling approximately 7,300 CF.

Justification: The apron is used by commercial jet aircraft such as E190 that are much heavier than the original design aircraft. The aged apron pavement had exceeded its expected pavement life, was showing signs of surface distress, and was in need of reconstruction. This project also continued the airport's practice of replacing segments of perimeter security fence.

Project 11: Install Emergency Generator (2018)

PFC Revenue (Pay-As-You-Go): \$ 24,437 (5% of Total Project Cost)

Description: This project includes the installation of a new emergency back-up generator at the southern edge of the commercial North ramp, which is to be placed on a concrete pad that will be constructed as part of an ongoing project. This project also includes the installation of power cables connecting the generator to existing lighting systems, as well as any ancillary work required to bring the generator to working order.

Justification: The Airport continues to make improvements to the airport that will enhance its safety. This generator will allow airport operations to continue in the event of a power outage.

Project 12: Conduct Environmental Study (2018)

PFC Revenue (Pay-As-You-Go): \$ 26,415 (5% of Total Project Cost)

Description: The Airport recently completed a Master Plan Update. This project is to prepare and submit the National Environmental Policy Act (NEPA) Environmental Assessment (EA) and the Massachusetts Environmental Policy Act (MEPA) Environmental Notification Form (ENF), Draft Environment Impact Report (EIR), and Final EIR for the Master Plan projects anticipated to be undertaken within the next five years. Projects include Replace Airfield Lighting Home-Run Cables, Taxiway E Reconstruction, Stub Taxiway Relocations, Replace MITLs on Taxiway C, Runway 24 High Speed Taxiway, and Design and Construct South Apron Extension Phase 1 through 5.

Justification: This project is the first step in facilitating the implementation of the Master Plan recommendations.

Project 13: PFC Program Administration

PFC Revenue (Pay-As-You-Go): \$ 72,884 (100% of Total Project Cost)

Description: The project includes necessary costs associated with the administration of the proposed PFC program at ACK from February 11, 2016 through June 30, 2020. The project includes compilation of PFC Application (Notice of Intent) materials, confirmation of enplanement forecasts, required air carrier and public coordination, assistance with collections monitoring and the development of documentation to ensure all air carriers are collecting and remitting PFCs, the completion of annual audits, and quarterly reporting.

Justification: 14 CFR 158 and FAA Order 5500.1, *Passenger Facility Charges*, states that an airport's costs of administering the PFC program are eligible for PFC reimbursement. These PFC administration costs, which can include the costs of preparing, coordinating, and submitting a PFC application, as well as maintaining an existing program, must be identified as a separate PFC project.

Project 14: Security & Safety Upgrades - (Perimeter Fencing, Fingerprinting Equipment, Terminal Access Control and Cameras, and Badging Equipment) (2019)

PFC Revenue (Pay-As-You-Go): \$ 40,237 (0.7% of Total Project Cost)

Description: The project includes an upgrade to existing airport security and IT systems for the Airport Terminal, Administration Building, ARFF Building, and Gates at the Airport. Improvements will occur to the access control systems, video monitoring and the badging system. Improvements will include replacement of access control panels, installation of improvement video monitoring systems, and replacement of the badging system. The improvements are being made to replace outdated or non-serviceable

equipment that has exceeded its useful life, to improve compliance with FAA and TSA regulations, to improve security, and to improve the overall integration of the Access Control System. Existing access controls at secure identification display area (SIDA) access points will include separate biometric reader, keypad, and proximity card reader. Additional building improvements will occur to accommodate these improvements. This project will include selection and purchase of fingerprinting hardware, software, and appurtenances. Minor building modifications like electrical and data connections as well as data transmission upgrades may also be required. The project also includes the replacement of approximately 1,400 LF of perimeter fencing including new poles, arms, cross poles, barbed wire, etc. including new signage generally located along the approach to Runway 6.

Justification: The security and IT improvements are being made to replace outdated, non-serviceable equipment (some of which has failed) and to comply with FAA and TSA regulations. The TSA has determined that the current Access Control System does not meet the minimum requirements on 49 CFR Part 1542. The Airport does not have functional fingerprinting equipment for background checks. The Airport's badging equipment has exceeded its design life and is frequently non-functional. Due to continued shoreline erosion and the age of the fence, it requires relocation and replacement. The Airport's Wildlife Hazard Management Plan calls for this fence to be 8' chain link fence with barbed wire on top.

Project 15: Acquire Deicing Truck (2018)

PFC Revenue (Pay-As-You-Go): \$ 158,990 (100% of Total Project Cost)

Description: This project is for the purchase of a 2018 GSS - 700 Deicing Vehicle with a 600-gallon fluid tank (de-ice) and a 200-gallon fluid tank (anti-ice) and 32-foot working height, and a boom designed to service aircraft with Type I/IV deicing/anti-icing fluids.

Justification: This project provides a deicing truck of adequate size to accommodate all aircraft utilizing the Airport. In order to safely deice aircraft, the airport needs to have a dedicated vehicle capable of properly applying deice fluid to all aircraft that utilize the airport. The airport identified vehicle functional requirements commensurate with ADG-III elements, specifically tail height. The critical design aircraft at ACK was the E190, with a tail height of 32.3', which necessitated a 32' boom. Commercial large air carrier aircraft typically require use of 500-1,000 gallons of diluted aircraft deicing fluid. The 600-gallon de-icing tank was a suggested engineering specification to complete deicing of a single E190, using best practices.

Project 16: Acquire Mobile Boarding Bridge

PFC Revenue (Pay-As-You-Go): \$ 77,844 (100% of Total Project Cost)

Description: This project includes the purchase of one aircraft switchback manually operated boarding ramp.

Justification: The passenger terminal does not presently utilize any passenger boarding bridges, requiring the use of other devices, including mobile boarding ramps, to enable access to both scheduled and non-scheduled airline aircraft serving the Airport. This mobile boarding bridge is owned and operated by the Airport and is available for use by all air carriers operating at the Airport.

The proposed PFC level of collection is **\$4.50** per eligible enplaned passenger for all projects. The estimated charge effective date for PFC Notice of Intent #2 is **May 1, 2024**, and the estimated charge expiration date is **June 1, 2029**. The estimated PFC revenue to be imposed during this period is approximately **\$1,129,890**.

As required under 14 CFR §158.24, the Town of Nantucket will be accepting public comments on the proposed requests until **5:00pm** on **Monday, May 18, 2020**. Questions and comments regarding the proposed PFC Notice of Intent, including agreement or disagreement with any of the proposed projects, or requests for additional information, should be addressed to:

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