

Notice and Opportunity for Public Comment

**PFC Application 8 and Amendments to PFC Applications 5, 6 and 7
Maryland Aviation Administration
Baltimore/Washington International Thurgood Marshall Airport**

December 19, 2008



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Overview

- The Maryland Aviation Administration (MAA) intends to submit a PFC Application to the Federal Aviation Administration (FAA) to:
 - Remove one project from impose only authority
 - Obtain impose and use authority for six new projects
 - Amend and obtain use authority for one project
 - Amend seven projects approved in PFC Applications 5, 6 and 7
 - Recover PFC eligible costs that were expended by the Airport
 - Consolidate PFC Application 7 into PFC Application 8 for administrative purposes
- MAA's proposed PFC application is summarized as follows:
 - PFC Level: composite \$4.50 per eligible enplaned passenger
 - Estimated charge effective date for new PFC Application 8: April 2017
 - Estimated charge expiration date for Applications 5 through 8 after amendments: March, 2019
 - Estimated PFC revenue to be collected under the new PFC Application: \$44,332,000 in impose and use projects.
- MAA currently has authority from FAA to collect a \$4.50 PFC through March 2017. If approved, this application extends this authority until March 2019.



Public Comment Period

- In accordance with FAA regulations (Section 158.24 of 14 CFR Part 15), the public is given an opportunity for comment on proposed projects through January 20, 2009.
- Comments should be sent to:

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Terminology

- “Impose and Use” projects allow MAA to collect PFCs and apply them towards approved projects.
- “Impose Only” projects allow MAA to collect PFCs for approved projects, but require MAA to file an additional application to expend collections on projects.
 - Pursuant to FAA guidelines, MAA will identify alternate uses for PFC revenues in its application to the FAA in the event that impose only projects are not implemented.
- Further information regarding the nationwide PFC program is available at:
<http://www.faa.gov/arp/financial/pfc/index.cfm>
- A list of acronyms follows at the end of this document.



Projects Affected by This PFC Application

- Remove Existing Impose-only Project
 - Northwest Quadrant Perimeter Road
- New Impose and Use Projects
 - Terminal Modernization Plan (Design)
 - Airfield Pavement Improvement (Design)
 - Security Improvements
 - Public Safety Improvements
 - Snow Melters
 - Airport Emergency Systems
- Project to Amend and Obtain Use-only Authority
 - Runway Safety Area Environmental Assessment
- Other Projects to be Amended
 - Equipment and Safety Training Systems
 - Concourses C/D and D/E Apron Rehabilitation
 - Concourse B/C Apron Rehabilitation
 - Terminal Roadway Resurfacing
 - Taxiway Rehabilitation Project
 - Glycol Collection Tanks
 - Terminal D/E Baggage Handling System Upgrades (Construction)



Remove Impose-only Project Northwest Quadrant Perimeter Road

Project description: This project addresses one quadrant of a proposed perimeter roadway at the Airport. The northwest sector will provide direct airside access from Concourse A to the Midfield Cargo Complex area.

Project justification: The perimeter roadway will increase the capacity and safety of the airfield by removing unnecessary ground operations vehicle movement from the aircraft operations area.

Reason for removal: Project did not progress from impose only to use status in required time frame. Evaluation continues under the Airport Master Plan.

Estimated start date: n/a

Estimated end date: n/a

Project	PFC Financing	AIP Grants	Trust Fund	Total Project Cost
Original Application PFC 06-05-C-00-BWI	\$3,775,000	\$5,617,000	\$25,000	\$9,417,000
Amended as PFC 06-05-C-01-BWI	\$3,775,000	\$75,000	\$-0-	\$3,850,000
After Removal	\$-0-	\$-0-	\$-0-	\$-0-



New Impose and Use PFC Projects

Terminal Modernization Plan (Design)

- Project description:** Planning, architectural and engineering design, project management and construction management services to design terminal security and circulation improvements including widening and relocation of the Concourse D passenger security screening checkpoint, creation of a sterile corridor between Concourses D and E, moving walkways, and modification of passenger hold rooms.
- Project justification:** The existing width of Concourse D at the passenger security screening checkpoint and the Concourse “throat” should be improved to meet current fire and life safety codes. The resulting improvements will also provide a secure connection and sterile corridor to facilitate domestic and international service connections.
- PFC Level:** \$4.50
- Estimated start date:** FY 2009
- Estimated end date:** FY 2013

PFC pay-as-you-go	AIP Grants	Trust Fund	Total Project Cost
\$17,500,000	\$-0-	\$-0-	\$17,500,000



New Impose and Use PFC Projects

Airfield Pavement Improvement (Design)

- Project description:** Engineering design, project management and construction management services to design pavement rehabilitation and safety area improvements that address existing deviations from FAA standards. Specific improvements include pavement rehabilitation to runways, taxiways, and taxi lanes including airfield lighting, electrical cabling, emergency power and other support systems.
- Project justification:** Existing runways must be upgraded to meet current FAA Runway Safety Area requirements by 2015, and current modifications to FAA standards must be eliminated. In addition, pavement rehabilitation is necessary in critical areas identified by independent pavement analysis.
- PFC level:** \$4.50
- Estimated start date:** FY 2011
- Estimated end date:** FY 2015

PFC pay-as-you-go	AIP Grants	Trust Fund	Total Project Cost
\$10,000,000	\$-0-	\$-0-	\$10,000,000



New Impose and Use PFC Projects

Security Improvements

Project description: This project is comprised of two initiatives to enhance security in the terminal, including (1) Design and installation of access control cages to prevent counter flow of individuals from the unsecured baggage claim area to the Security Identification Display Area through the inbound baggage handling system conveyors, and (2) Expansion of security office space to handle additional interactive training units and other security badging functions.

Project justification: 14 CFR 139.335 and 14 CFR 1542.201 require MAA to provide adequate safeguards to prevent unauthorized entry to secure areas. The proposed improvements will allow MAA to remotely monitor the locations for unauthorized SIDA access. Redesign of individual badging stations and Interactive Employee Training areas will improve the productivity of the training and badging process.

PFC Level: \$4.50

Estimated start date: FY 2009

Estimated end date: FY 2010

PFC pay-as-you-go	AIP Grants	Trust Fund	Total Project Cost
\$1,566,000	\$-0-	\$-0-	\$1,566,000



New Impose and Use PFC Projects

Public Safety Improvements

Project description: Improvements to the Consolidated Dispatch Center, which controls 16 different airport security and life-safety monitoring systems. Improvements include upgrade of legacy alarm systems, automation of dispatch functions and integration into Computer Aided Dispatch system, and relocation of offices.

Project justification: 14 CFR 139.335 and 14 CFR 1542.201 requires MAA to provide adequate safeguards to prevent unauthorized entry to secure areas. The proposed improvements will ensure that unauthorized access to secured areas is detected and increase the efficiency of response. Response to calls involving public safety issues will be similarly improved.

PFC Level: \$4.50

Estimated start date: FY 2009

Estimated end date: FY 2011

PFC pay-as-you-go	AIP Grants	Trust Fund	Total Project Cost
\$9,000,000	\$-0-	\$-0-	\$9,000,000



New Impose and Use PFC Projects Public Safety Improvements

Specific systems include: Local Area Network/Wide Area Network (LAN/WAN)
Telephony system
Digital audio recording system
Radio system
MODUCOM system replacement
Master time clock
Controlled Access Security System (CASS)
Closed Circuit Television (CCTV)
Fire alarm
Computer Aided Dispatch (CAD)
Records management
Law enforcement (MILES, NCIC)
Audio visual and television



New Impose and Use PFC Projects

Snow Melters

Project description: Purchase of five 350-ton snow melting machines.

Project justification: To reduce costs of snow removal plan by replacing contractor equipment. Multiple melting units will reduce potential for runway incursions by snow removal trucks and decrease their collection cycle time.

PFC Level: \$3.00

Estimated start date: FY 2009

Estimated end date: FY 2010

PFC pay-as-you-go	AIP Grants	Trust Fund	Total Project Cost
\$4,000,000	\$-0-	\$-0-	\$4,000,000



New Impose and Use PFC Projects

Airport Emergency Systems

Project description: Design and installation of emergency backup system for the Airport's Central Utility Plant and Airport complex. System includes the purchase of two portable generators with one sized for the Central Utility Plant and the other for any terminal system that loses power plus "quick connect" installations to use the auxiliary power.

Project justification: Emergency backup systems provide continuity of power to support life safety systems, lighting, emergency egress, public address communication systems, runway lighting and other critical terminal systems.

PFC Level: \$4.50

Estimated start date: FY 2009

Estimated end date: FY 2011

PFC pay-as-you-go	AIP Grants	Trust Fund	Total Project Cost
\$2,266,000	\$-0-	\$-0-	\$2,266,000



Project to Amend and Obtain Use Authority Runway Safety Area Environmental Assessment

Project description: Supporting pre-design work for the environmental assessment of the Runway Safety Area improvement alternatives and other interim Airport Layout Plan (ALP) improvements. Project scope is being amended to include interim ALP environmental assessment federal planning grant match.

Reason for amendment: The amendment recognizes the decreased cost to perform the environmental assessment and related pre-design of Airport Layout Plan projects based on accepted contract. A federal AIP grant has been executed and PFC funding will now provide only the grant match.

Estimated start date: FY 2009

Estimated end date: FY 2011

Project	PFC pay-as-you-go	AIP Grants	Total Project Cost
Original Application (PFC 06-05-C-00-BWI)	\$6,000,000	\$ -0-	\$6,000,000
Proposed Amendment	\$541,000	\$1,122,000	\$1,663,000



Other Projects to Be Amended

Equipment and Safety Training Systems

- Project description:** This project consists of interactive training systems for maintenance, operational, and security personnel in equipment, fire rescue, airfield operating, general safety, and security. Fifteen AAAE interactive employee training systems and related facilities will be added to the existing seven units that provide annual training for all badged Airport employees. The driving simulator provides the Airport with customized on-site equipment training for operators, supervisors and others on the proper skills and knowledge pertaining to job functions and proper airfield procedures.
- Reason for amendment:** The actual cost of the simulator and facility have increased over the amended estimate.
- Estimated start date:** FY 2007
- Estimated end date:** FY 2009

Project	PFC pay-as-you-go	Trust Fund	Total Project Cost
Original Application (PFC No. 06-05-C-00-BWI)	\$1,496,000	\$ 4,000	\$1,500,000
Amended as 06-05-C-01-BWI	\$2,080,000	\$79,000	\$2,159,000
Proposed Amendment	\$2,304,000	\$ -0 -	\$2,304,000



Other Projects to Be Amended

Concourses C/D and D/E Apron Rehabilitation

- Project description:** This project consisted of the rehabilitation of apron pavement areas between Concourses C and D, D and DY, and D and E, as well as affected areas north of Concourse E and south of the cargo ramp. Other project components include glycol infrastructure improvements at the gates and apron lighting.
- Reason for amendment:** Federal funding assumptions for this project have been reduced by almost \$42.1 million. Cost estimates have increased due to the delay in Concourse C/D apron rehabilitation start.
- Estimated start date:** FY 2006
- Estimated end date:** FY 2014

Project	PFC pay-as-you-go	AIP Grants	Trust Fund	Total Project Cost
Original Application (PFC No. 06-05-C-00-BWI)	\$12,806,000	\$ 38,424,000	\$ -0-	\$51,230,000
Amended as 06-05-C-01-BWI	\$27,023,000	\$49,768,000	\$21,000	\$76,812,000
Proposed Amendment	\$75,283,000	\$7,675,000	\$ -0-	\$82,958,000



Other Projects to Be Amended

Concourse B/C Apron Rehabilitation

- Project description:** Work to be performed is based on a survey of pavement condition. The rehabilitation work involves the reconstruction and overlay of the apron, the upgrade of the airfield pavement constructed over 20 years ago, and the replacement of passenger loading bridges. The current amendment will extend the apron pavement area to sections adjacent to taxiway A, E and P.
- Reason for amendment:** To include an additional section of pavement that independent analysis found to be deficient. The pavement is within the environmental assessment area of the original project.
- Estimated start date:** FY 2006
- Estimated end date:** FY 2010

Project	PFC pay-as-you-go	AIP Grants	Trust Fund	Total Project Cost
Original Application PFC 06-05-C-00-BWI	\$9,965,000	\$10,326,000	\$ -0-	\$20,291,000
Amended as PFC 06-05-C-01-BWI	\$9,965,000	\$10,543,000	\$1,043,000	\$21,551,000
Proposed Amendment	\$18,220,000	\$ 9,846,000	\$ -0-	\$28,066,000



Other Projects to Be Amended

Terminal Roadway Resurfacing

- Project description:** Final resurfacing of 320,000 square feet of terminal complex roadway from the loop road around terminal to the daily parking garage. The project will result in a final uniform roadway surface.
- Reason for amendment:** The actual cost of the terminal roadway resurfacing increased over the original estimate due to unforeseen sub-surface conditions.
- Estimated start date:** FY 2007
- Estimated end date:** FY 2008

Project	PFC pay-as-you-go	Other Funds	Total Project Cost
Original Application (PFC No. 06-05-C-00-BWI)	\$969,000	\$-0-	\$969,000
Proposed Amendment	\$1,163,000	\$-0-	\$1,163,000



Other Projects to Be Amended

Taxiway Rehabilitation Program

- Project description:** This project provided for the rehabilitation of Taxiways A, B, D, and P; the Commuter Concourse areas; Runway 4-22; and related duct bank improvements. Amendment 06-05-C-01-BWI added additional pavement area and transferred certain project elements from the airfield lighting and signage PFC project.
- Reason for amendment:** Federal AIP funds for this project decreased almost \$2.6 million, changing the financial plan and increasing the PFC amount.
- Estimated start date:** FY 2006
- Estimated end date:** FY 2009

Project	PFC pay-as-you-go	AIP Grants	Trust Fund	Total Project Cost
Original Application (PFC No. 06-05-C-00-BWI)	\$7,354,000	\$8,408,000	\$100,000	\$15,862,000
As Amended 06-05-C-01-BWI	\$16,141,000	\$14,896,000	\$40,000	\$31,077,000
Proposed Amendment	\$19,100,000	\$12,304,000	\$ -0-	\$31,404,000



Other Projects to Be Amended

Glycol Collection Tanks

- Project description:** The project will add a third and fourth 600,000 gallon deicing fluid recovery tank in the same area as the existing glycol tanks.
- Reason for amendment:** Addition of a fourth glycol collection tank to supplement the capacity of tank #3 when tanks #1 and #2 are replaced or repaired. Tank #1 was constructed in 1994 and is nearing the end of its useful life, and tank #2 is in need of repair. The fourth tank is within the environmental assessment area of the original project.
- Estimated start date:** FY 2006
- Estimated end date:** FY 2010

Project	PFC pay-as-you-go	Trust Fund	Total Project Cost
Original Application (PFC No. 06-05-C-00-BWI)	\$1,220,000	\$175,000	\$1,395,000
Amended 06-05-C-01-BWI	\$2,761,000	\$167,000	\$2,928,000
Proposed Amendment	\$3,710,000	\$ -0-	\$3,710,000



Other Projects to Be Amended

Terminal Area D/E Baggage Handling System Upgrades (Construction)

Project description: This project will reconfigure the existing baggage screening and baggage makeup system located between Concourses D and E and serving Concourse D to a more integrated system. Work will also include expansion of the baggage claim area, sort loop, baggage makeup area modifications, and curbside check-in.

Reason for amendment: The project is being amended to reflect the addition of TSA grant funding to the financial plan, which reduces the PFC funded portion. Total project cost increase is due to acceptance of construction and construction management contracts.

Estimated start date: FY 2008

Estimated end date: FY 2010

Project	PFC project cost	PFC bond financing and interest	Total PFC revenues	TSA grants	Trust Fund	Total project cost
Original Application (PFC No. 06-05-C-00-BWI)	\$23,416,000	\$26,216,000	\$49,632,000	\$8,999,000	\$ -0-	\$58,631,000
Amended as 06-05-C-01-BWI	\$32,415,000	\$31,857,000	\$64,272,000	\$ -0-	\$10,000	\$64,282,000
Proposed Amendment	\$23,963,000	\$31,857,000	\$55,820,000	\$10,800,000	\$ -0-	\$66,620,000



List of Acronyms

AEEE	American Association of Airport Executives
AIP	Airport Improvement Program
BWI	Baltimore/Washington International Thurgood Marshall Airport
CFR	Code of Federal Regulations
FAA	Federal Aviation Administration
MAA	Maryland Aviation Administration
PFC	Passenger Facility Charge
SIDA	Secure Identification Display Area
TSA	Transportation Security Administration

