

# **PUBLIC NOTICE**

## **DATE OF POSTING MARCH 14, 2024**

Pursuant to Title 14 Code of Federal Regulations Part 158, Passenger Facility Charges, effective June 28, 1991, St. Louis Lambert International Airport (the "Airport") hereby provides notice of its intention to file a new Passenger Facility Charge (PFC) application #16 (PFC #16) with the Federal Aviation Administration (the "FAA") to impose and use PFCs on fourteen (14) new capital projects at the Airport at a \$4.50 PFC collection rate.

The Airport is also providing notice of its intention to file applications to amend PFC # 11 to increase the PFC collection rate for fourteen (14) of fourteen projects from \$3.00 to \$4.50 and to amend PFC #12 to increase the PFC collection rate from \$3.00 to \$4.50 for six of eight projects.

### **Request for Comments:**

As required by 14 CFR §158.24, the Airport will be accepting the public's comments and support for the new projects and the new projects in PFC #16 and the increase in the collection rate for the projects in PFC #11 and PFC # 12 and will review all comments submitted in writing by no later than April 15, 2024. Please address any questions or comments to:

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The proposed effective date for the new PFC #16 application is November 1, 2026, and the estimated charge expiration date is February 1, 2028. The PFC #16 application requests \$39,018,364 of PFC collection and use authority. The PFC collection and use authority for PFC #11 will remain unchanged at \$15,122,946. The collection and use authority for PFC #12 will remain unchanged at \$7,073,036.

### **PFC #16 Request for Public Comments**

The Airport is seeking public comments on the application and on the following projects:

#### **Project No. & Title: 16.01 – Reconstruct Taxilane C, C6 to C2 (Design & Construct)**

**Project Description:** This project is to reconstruct Taxilane Charlie from Taxiways C6 (P) to C2 (D1) and realign/reconstruct the connector taxiways between Taxilane Charlie and Taxiway Delta to conform to the latest design Advisory Circular. It is anticipated approximately 64,700 SY of taxiway will be reconstructed. The pavement structure consists of 16.5 inches of Portland Cement Concrete (PCC) on top of 6 inches of drainage base. Below the drainage base is 18 inches of concrete rubble. Approximately thirteen (13) guidance signs will be installed, along with 49,820 LF of underground cable. For grading and erosion control, approximately 16 acres of land will be disturbed. For drainage, approximately 1,650 LF of reinforced concrete pipe (RCP) and 7,400 LF of 6" underdrain pipe will be installed. For pavement markings, approximately 66,350 SF of paint will be installed.

Estimated costs for major elements of the project are set forth below.\*

Design Work	\$ 3,032,294
Demolition	\$ 2,713,402
Drainage/Piping	\$ 838,595
Permits/Mobilization	\$ 2,011,879
Landscaping/erosion control	\$ 650,576
Pavement Construction	\$11,250,558
Lighting/Electrical	\$ 825,211
Marking	\$ 226,739
Signage	\$ 124,234
Quality Control/CM costs	\$ 2,805,566
Other Construction	<u>\$ 924,885</u>
Total Project Cost:	\$25,403,938

\*Sum and total do not match due to rounding

#### **Project Justification:**

The 2018 Pavement Inspection indicated the existing Taxilane Charlie between Taxiways C6 (P) and C2 (D1) had pavement condition indices (PCIs) between 40 (poor) and 79 (satisfactory). Preliminary data from the 2022 inspection has the PCI between 30 (very poor) and 55 (fair). The connecting taxiways between Taxilane Charlie and Taxiway Delta have PCI values that range from 25 (very poor) to 69 (fair) based on the 2022 preliminary data. The realigned connecting taxiways, between Charlie and Delta, will eliminate direct access to runway 12R-30L from the apron.

The majority of pavement in this area was reconstructed in the 1980s. The major distresses throughout these sections are Alkali-Silica Reaction (ASR), patching, and spalling. Due to the age of the pavement, Field Maintenance needs to repair the area frequently to eliminate FOD.

#### **PFC Collection Level \$4.50**

#### **Project Funding:**

PFC Pay-As-You-Go	\$ 2,561,296
PFC Bond Capital	\$ 3,610,795
PFC Bond – Finance & Interest	\$ 3,425,502
AIP Funding	\$18,305,273
Local Airport Funds	<u>\$ 926,574</u>
Total Project Funding	\$28,829,440

#### **Project No. & Title: 16.02 – Reconstruct Taxilane C from TW C to RW 6-24 (Construction)**

**Project Description:** This project is to reconstruct Taxilane Charlie at Taxiway C6 (P) and from C2 (D1) to G and realign/reconstruct the connector taxiways between Taxilane Charlie and Taxiway Delta to conform to the latest design Advisory Circular. It is anticipated approximately 80,360 SY of taxiway will be reconstructed. The pavement structure consists of 16.5 inches of PCC on top of 6 inches of drainage base. Below the drainage base is 18 inches of concrete rubble. Approximately thirty (30) guidance signs will be installed, along with 13,960 LF of underground cable. For grading and erosion control, approximately 20 acres of land will be disturbed. For drainage, approximately 1,605 LF of RCP and 6,592 LF of 6" underdrain pipe will be installed. For pavement markings, approximately 124,460 SF of paint will be installed

Estimated costs for major elements of the project are set forth below.

Demolition	\$ 3,308,039
Drainage/Piping	\$ 1,645,114
Permits/Mobilization	\$ 2,011,238
Landscaping/erosion control	\$ 368,529

Pavement Construction	\$13,635,150
Lighting/Electrical	\$ 1,255,656
Marking	\$ 372,553
Signage	\$ 240,142
Quality Control/CM costs	\$ 2,852,940
Other Construction	<u>\$ 1,156,905</u>
Total Project Cost:	\$26,846,265

\*Sum and total do not match due to rounding

**Project Justification:** The 2018 Pavement Inspection indicated the existing Taxilane Charlie at Taxiway C6 (P) and between Taxiways C2 (D1) and G had PCIs between 39 (very poor) and 58 (fair). Preliminary data from the 2022 inspection has the PCI between 17 (serious) and 36 (very poor). The connecting taxiways between Taxilane Charlie and Taxiway Delta have PCI values that range from 28 (very poor) to 84 (satisfactory), based on the 2022 preliminary data. The realigned connecting taxiways between Charlie and Delta, will eliminate direct access to runway 12R-30L from the apron. The majority of pavement in this area was reconstructed in the 1990s. The major distresses throughout these sections are ASR, patching, and spalling.

#### **PFC Collection Level \$4.50**

#### **Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 3,745,081
<b>PFC Bond Capital</b>	\$ 2,678,875
<b>PFC Bond – Finance &amp; Interest</b>	\$ 2,541,404
<b>AIP Funding</b>	\$19,271,868
<b>Local Airport Funds</b>	<u>\$ 1,150,441</u>
<b>Total Project Funding</b>	\$29,387,669

#### **Project No. & Title: 16.03 – Reconstruct Taxilane C, S to C6 (Design & Construct)**

**Project Description:** This project is to reconstruct Taxilane Charlie from Taxiways S to C6 (P) and realign/reconstruct the connector taxiways between Taxilane Charlie and Taxiway Delta to conform to the latest design Advisory Circular. It is anticipated approximately 56,310 SY of pavement will be reconstructed. The pavement structure consists of 16.5 inches of PCC on top of 6 inches of drainage base. Below the drainage base is 18 inches of concrete rubble. Approximately twenty-three (23) guidance signs will be installed, along with 9,781 LF of underground cable. For grading and erosion control, approximately 17 acres of land will be disturbed. For drainage, approximately 1,125 LF of RCP and 4,619 LF of 6" underdrain pipe will be installed. For pavement markings, approximately 87,211 SF of paint will be installed.

Estimated costs for major elements of the project are set forth below.

Design Work	\$ 503,633
Demolition	\$ 2,063,826
Drainage/Piping	\$ 1,154,650
Permits/Mobilization	\$ 2,014,530
Landscaping/erosion control	\$ 1,074,168
Pavement Construction	\$ 9,570,048
Lighting/Electrical	\$ 881,302
Marking	\$ 261,482
Signage	\$ 168,548
Quality Control/CM costs	\$ 2,230,085
Other Construction	<u>\$ 874,537</u>
Total Project Cost:	\$20,796,807

\*Sum and total do not match due to rounding

**Project Justification:** The 2018 Pavement Inspection indicated the existing Taxiway Charlie between Taxiways S and C6 (P) had PCIs between 36 (very poor) and 64 (fair). Preliminary data from the 2022 inspection has the PCI between 27 (very poor) and 67 (fair). The connecting taxiways between Taxiway Charlie and Taxiway Delta have PCI values that range from 20 (serious) to 30 (very poor), based on the 2022 preliminary data. The realigned connecting taxiways, between Charlie and Delta, will eliminate direct access to runway 12R-30L from the apron. The majority of pavement in this area was reconstructed in the 1980s and 1990s. The major distresses throughout these sections are ASR, patching, and spalling.

**PFC Collection Level \$4.50**

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 3,371,815
<b>PFC Bond Capital</b>	\$ 1,485,330
<b>PFC Bond – Finance &amp; Interest</b>	\$ 1,409,108
<b>AIP Funding</b>	\$14,571,434
<b>Local Airport Funds</b>	<u>\$ 1,368,229</u>
<b>Total Project Funding</b>	<b>\$22,205,916</b>

**Project No. & Title: 16.04 – Reserved**

**Project No. & Title: 16.05 – West Deicing Pad (Design only)**

**Project Description:** This project is for the design of the west deice pad and connecting taxiways only. This new Deicing apron and connecting taxiways include approximately 23 acres of pavement. Approximately twelve ADG III aircraft will be able to fit within the proposed layout. Appropriate lighting and signage will be included as part of this project. Aircraft deicing runoff will be collected and disposed of by a connection to the airport's existing system which meters this waste to the sanitary sewer line.

**Project Justification:** This project is needed to service current and future deicing operations in a centralized location. This location will provide a more efficient method of aircraft deicing and will reduce aircraft congestion and deicing around the terminal building.

**PFC Collection Level \$4.50**

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 5,400,000
<b>Total Project Funding</b>	<b>\$ 5,400,000</b>

**Project No. & Title: 16.06 – Replace 2 Deicer Trucks (#174, #175)**

**Project Description:** This project involves purchasing a 1,250-gallon runway and taxiway deicer truck with 24' plow, to replace unit 174 and unit 175, a 2000 and a 1999 Oshkosh deicer, respectively. Both vehicles are over 20 years old; the equipment has a history of being underpowered and unreliable with mechanical problems and will be auctioned off on Govdeals.com, per City policy.

**Project Justification:** The new deicer will be a replacement of unit 174 and 175 which is in our FAA approved Snow and Ice Control Plan (SICP). The project is consistent with our systematic plan to replace aging equipment, and is part of our Strategic Plan for Operational Efficiency.

At over 20 years old, the vehicles have exceeded their useful life; have a history of being underpowered and unreliable; and can no longer serve their intended function. Therefore, they must be replaced.

**PFC Collection Level \$4.50**

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 1,000,000
<b>Total Project Funding</b>	\$ 1,000,000

**Project No. & Title: 16.07 – Replace 3 Snow Brooms (#190, #192, #195)**

**Project Description:** This project consists of purchasing three snow removal Multi-Tasking Equipment (MTE) units with at least a 24' pow, 18' broom and small deicer tank, to replace front mounted Oshkosh broom trucks 190, 192, and 195, acquired in 1997, 1998, and 2010, respectively. All three vehicles are over 13 years old. The equipment has a history of being underpowered and unreliable, and will be auctioned off on Govdeals.com, per City policy.

**Project Justification:** The new Multi-Tasking Equipment will replace units 190, 192, and 195 which are in FAA approved in our SICP. The project is consistent with our systematic plan to replace aging equipment and is part of our Strategic Plan for Operational Efficiency. At 26, 25 and 13 years old, the vehicles have exceeded their useful life; have a history of being underpowered and unreliable; and can no longer serve their intended function. Therefore, they must be replaced.

**PFC Collection Level \$4.50**

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 3,600,000
<b>Total Project Funding</b>	\$ 3,600,000

**Project No. & Title: 16.08 – Replace Airfield Sweeper**

**Project Description:** This project involves purchasing a runway and taxiway FOD sweeper unit to replace FOD sweeper 149, a 2014 ISUZU. The vehicle being replaced is 10 years old. The equipment has a history of being underpowered and unreliable with mechanical problems and will be auctioned off on Govdeals.com, per City policy.

**Project Justification:** The new sweeper will be a replacement for unit 149, which is FAA approved in our Airport Certification Manual for FOD removal. The project is consistent with our systematic plan to replace aging equipment and is part of our Strategic Plan for Operational Efficiency. At 10 years old, the vehicle has exceeded its useful life; has a history of being underpowered and unreliable; and can no longer serve its intended function. Therefore, it must be replaced.

**PFC Collection Level \$4.50**

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 212,500
<b>VALE Grant</b>	\$ 637,500
<b>Total Project Funding</b>	\$ 850,000

**Project No. & Title: 16.09 – Replace Mini-Sweeper w/ Multifunction Tractor Sweeper (#730)**

**Project Description:** This project involves purchasing a runway and taxiway FOD sweeper unit with a minimum hopper volumetric capacity of 6 cubic yards and gutter brooms with a minimum of 47" in diameter, to replace FOD sweeper 730, a 2008 MADVAC sweeper. The vehicle is over 15 years old, and the equipment has a history of being underpowered and unreliable with mechanical problems and will be auctioned off on Govdeals.com, per City policy.

**Project Justification:** The new sweeper will be a replacement of unit 730 which is FAA approved in our Airport Certification Manual for FOD removal. The project is consistent with our systematic plan to replace aging equipment and is part of our Strategic Plan for Operational Efficiency. At over 15 years old, the vehicle has exceeded its useful life; has a history of being underpowered and unreliable; and can no longer serve its intended function. Therefore, it must be replaced.

**PFC Collection Level \$4.50**

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 750,000
<b>Total Project Funding</b>	\$ 750,000

**Project No. & Title: 16.10 – Replace Snow Broom (#194)**

**Project Description:** This project consists of purchasing a snow removal Multi-Tasking Equipment (MTE) unit with at least a 24' plow, 18' broom and small deicer tank, to replace front mounted broom #194, a 2005 Oshkosh truck. The vehicle is approximately 19 years old. The equipment has a history of being underpowered and unreliable, and will be auctioned off on Govdeals.com, per City policy.

**Project Justification:** The new Multi-Tasking Equipment will replace unit 194, which is in our FAA approved Airport SICP. The project is consistent with our systematic plan to replace aging equipment and is part of our Strategic Plan for Operational Efficiency. At over 18 years old, the vehicle has exceeded its useful life; has a history of being underpowered and unreliable; and can no longer serve its intended function. Therefore, it must be replaced.

**PFC Collection Level \$4.50**

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 1,320,000
<b>Total Project Funding</b>	\$ 1,320,000

**Project No. & Title: 16.11 – Replace Small Deicer (#178)**

**Project Description:** This project involves purchasing a 1,500-gallon runway and taxiway deicer truck, to replace unit 178, a 2008 GMC deicer. This vehicle is approximately 15 years old; the equipment has a history of being underpowered and unreliable with mechanical problems and will be auctioned off on Govdeals.com, per City policy.

**Project Justification:** The new deicer will be a replacement for unit 178 which is in our FAA approved Airport SICP. The project is consistent with our systematic plan to replace aging equipment and is part of our Strategic Plan for Operational Efficiency. At approximately 15 years old, the vehicle has exceeded its useful life, and has a history of being underpowered and unreliable, and can no longer serve its intended function; therefore, it must be replaced.

**PFC Collection Level: \$4.50**

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 250,000
<b>Total Project Funding</b>	\$ 250,000

**Project No. & Title: 16.12 – Replace LED Ramp Lighting**

**Project Description:** This project consists of replacing approximately 317 area lighting fixtures on the main terminal ramp. The existing light kits are no longer available. This project is only for lighting fixtures. No new conduit or cable is anticipated for the completion of this project.

**Project Justification:** This project is needed to replace outdated and unavailable lighting equipment. The new fixtures will be energy efficient LED fixtures. The existing lights were installed at various times from 1985 to 1997. These light bulbs are going out creating a safety issue for airline ramp users. There are no replacements in stock and STL is unable to procure any replacements as the manufacturer went out of business several years ago. Due to the last round of retrofitting, the existing heads cannot be retrofitted again. Consequently, we can no longer repair any airline ramp mast light outages.

**PFC Collection Level:** \$4.50

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 709,858
<b>Total Project Funding</b>	\$ 709,858

**Project No. & Title: 16.13 – Ground Transportation Center – Refurbish Bus Port**

**Project Description:** This project is a refresh of the existing bus port. It will include new finishes, lighting upgrades, reconstruction of the entry drive, improved signage, and new pedestrian shelters.

**Project Justification:** The bus port was originally constructed in 1989 and was added on in 1990. This project will address known deficiencies and will research and address any ADA compliance items that may be needed.

**PFC Collection Level:** \$4.50

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 525,000
<b>Local Airport Funds</b>	\$ 194,549
<b>Total Project Funding</b>	\$ 719,549

**Project No. & Title: 16.14 – Airfield Electric Sweeper**

**Project Description:** This project involves purchasing a runway and taxiway FOD sweeper unit to replace FOD sweeper 145, a 2014 ISUZU. The vehicle being replaced is over 9 years old. The equipment has a history of being underpowered and unreliable with mechanical problems and will be auctioned off on Govdeals.com, per City policy.

**Project Justification:** The new sweeper will be a replacement of unit 145, which is FAA approved in our Airport Certification Manual for FOD removal. The project is consistent with our systematic plan to replace aging equipment and is part of our Strategic Plan for Operational Efficiency. At 10 years old, the vehicle has exceeded its useful life; has a history of being underpowered and unreliable. and can no longer serve its intended function. Therefore, it must be replaced.

**PFC Collection Level:** \$4.50

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	\$ 171,800
<b>VALE Grant</b>	\$ 515,396
<b>Total Project Funding</b>	\$ 687,196

**Project No. & Title: 16.15 – VALE – Airfield Electric Sweeper**

**Project Description:** This project involves purchasing a runway and taxiway FOD sweeper unit to replace FOD sweeper 144, a 2010 Freightliner. The vehicle being replaced is 14 years old. The equipment has a history of being underpowered and unreliable with mechanical problems and will be auctioned off on Govdeals.com, per City policy.

**Project Justification:** The new sweeper will be a replacement of unit 144, which is FAA approved in our Airport Certification Manual for FOD removal. The project is consistent with our systematic plan to replace aging equipment and is part of our Strategic Plan for Operational Efficiency. At 14 years old, the vehicle has exceeded its useful life; has a history of being underpowered and unreliable; and can no longer serve its intended function. Therefore, it must be replaced.

**PFC Collection Level:** \$4.50

**Project Funding:**

<b>PFC Pay-As-You-Go</b>	<b>\$ 250,000</b>
<b>VALE Grant</b>	<b>\$ 500,000</b>
<b>Total Project Funding</b>	<b>\$ 750,000</b>



## PFC #11 Amendment Request for Comments

The Table below shows the PFC #11 Projects and proposed amendments.

PFC #	Project Title	Approved Rate	Requested Rate	Approved Amount	Requested Amount	Change in Amount
11.01	Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment	\$3.00	\$4.50	\$ 777,000	\$ 777,000	\$0
11.02	Acquire Replacement Airfield Deicer Truck, 5000 gal with 75' boom	\$3.00	\$4.50	\$ 388,500	\$ 388,500	\$0
11.03	Acquire Replacement Class VI Snow Blower (Rotary Plow) TW's 231 1997	\$3.00	\$4.50	\$ 1,087,800	\$ 1,087,800	\$0
11.04	Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment	\$3.00	\$4.50	\$ 828,800	\$ 828,800	\$0
11.05	Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment	\$3.00	\$4.50	\$ 847,808	\$ 847,808	\$0
11.06	Deicing Systems Infrastructure Rehabilitation - Phase 1 (Design)	\$3.00	\$4.50	\$ 635,856	\$ 635,856	\$0
11.07	Replace Chiller 2, West Plant (construction only)	\$3.00	\$4.50	\$ 1,846,855	\$ 1,846,855	\$0
11.08	Replace Misc. HVAC Equipment, T1 and Concourses – CAHUs, Smoke Fans (Phase 1)	\$3.00	\$4.50	\$ 1,231,236	\$ 1,231,236	\$0
11.09	Replace Misc. HVAC Equip., T2–E AHU, Hub Server Rm, (Phase 1)	\$3.00	\$4.50	\$ 881,455	\$ 881,455	\$0
11.10	Reactivate Gates C29 and C30 (building, 2 new boarding bridges)	\$3.00	\$4.50	\$ 409,067	\$ 409,067	\$0
11.11	Reconstruct Lambert International Blvd (Natural Bridge Rd) Bridge over Coldwater Creek	\$3.00	\$4.50	\$ 2,119,520	\$ 2,119,520	\$0
11.12	Acquire Replacement Deicer Truck, 5000 gal and 75' boom	\$3.00	\$4.50	\$ 397,410	\$ 397,410	\$0
11.13	Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment	\$3.00	\$4.50	\$ 900,796	\$ 900,796	\$0
11.14	Replace T1 and Concourse Mechanical Systems	\$3.00	\$4.50	\$ 2,770,843	\$ 2,770,843	\$0
<b>Application Total</b>		<b>\$3.00</b>	<b>\$4.50</b>	<b>\$ 15,122,946</b>	<b>\$ 15,122,946</b>	<b>\$0</b>

The Airport proposes to amend 14 out of 14 projects in PFC #11 from a \$3.00 collection rate to a \$4.50 collection rate. No changes to the approved PFC amount for each project and for the application as a whole are proposed.

The justification and PFC objective for each project likewise remain unchanged.

The justification for the increase in the PFC collection rate is that due to changes in the law governing PFCs, the projects being amended now qualify for the higher \$4.50 rate. This amendment will allow the airport to maintain a constant \$4.50 collection rate for the life of our PFC program.

The project descriptions remain unchanged, as well. Brief descriptions of each project being amended are provided below for reference.

### 11.01 Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment

The project consists of purchasing a snow removal Multi-Tasking Equipment (MTE) unit with at least a 24' plow, 22' broom, air blast and small deicer tank, to replace plow truck #118, a 1993 Oshkosh dump truck with a 14' plow. Truck #118 is 24 years old, and due to its age, can no longer reliably perform its intended function. Truck #118 will be auctioned off on Govdeals.com, per City policy. The new MTE will be a replacement of #118, which is FAA approved in our Snow and Ice Control Plan (SICP).

### 11.02 Acquire Replacement Airfield Deicer Truck, 5000 gal with 75' boom

The project consists of purchasing a large airfield deicer truck with at least 75' boom, to replace 1996 deicer truck #171. Truck #171 is 21 years old, and due to its age can no longer reliably perform its intended function. Truck #171 will be auctioned off on Govdeals.com, per City policy. The new deicer unit will be a replacement of #171, which is FAA approved in our SICP.

### 11.03 Acquire Replacement Class VI Snow Blower (Rotary Plow)

The project consists of purchasing a Class VI high speed snow blower (rotary plow) unit, to replace snow blower unit #237, a 1997 Oshkosh high speed Class V snow blower. Unit #237 is 20 years old and can no longer reliably perform its intended function. Unit #237 will be auctioned off on Govdeals.com, per City policy. The new snow blower will be a replacement of #237, which is FAA approved in our Snow and Ice Control Plan (SICP).

### 11.04 Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment

The project consists of purchasing a snow removal MTE unit with at least a 24' plow, 22' broom, air blast and small deicer tank to replace plow truck #110, a 1997 Oshkosh dump truck with a 14' plow. Truck #110 is 20 years old, and can no longer reliably perform its intended function. Truck #110 will be auctioned off on Govdeals.com, per City policy. The new MTE will be a replacement of #110, which is FAA approved in our SICP.

#### **11.05 Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment**

The project consists of purchasing a snow removal MTE unit with at least a 24' plow, 22' broom, air blast and small deicer tank to replace Truck #212, a 1991 M-B with a 20' front mounted runway broom. Truck #212 is 26 years old and due to its age can no longer reliably perform its intended function. Truck #212 will be auctioned off on Govdeals.com per City policy. The new MTE will be a replacement of #212, which is FAA approved in our SICP.

#### **11.06 Deicing Systems Infrastructure Rehabilitation – Design (Phase 1)**

The Airport's deicing system consists of almost 3 miles of ductile iron pipe force-main, four subgrade pump stations, a 1.6 million gallon above-ground storage tank, and a metering station that allows the collected deicing materials to be released to the local Publicly Owned Treatment Works at a permitted rate based upon chemical oxygen demand.

The system was installed in 1998 at a cost then of approximately \$15M. The system is reaching the end of its useful life. Because of the nature of the system and location of components – many of them underground, routine maintenance and repair are not a feasible means to maintain the operational capabilities of the system. Rather, a complete rehabilitation of the system is required. This project is the first step in the design process for this rehabilitation undertaking. This project will allow for the complete inspection of the system by qualified engineering and technical personnel, including resistance reading of all medium voltage cabling and inspection of subgrade tanks, vaults, pumps, etc. This project will produce a recommended scope of work needed to rehabilitate the system. The scope of work will form the basis for development of the final design documents ((Design (Phase II)) for a rehabilitation project to produce a restored system and extend its life by at least 10 years.

#### **11.07 Replace Chiller 2, West Plant (construction only)**

This project includes the replacement of West Power Plant Chiller No. 2, which provides chilled water to Terminal 1 and Concourses A, B & C HVAC units and replacement of four (4) chilled water pumps. The existing Chiller No. 2 is a 1200 ton chiller installed in 1986 and converted to 134A refrigerant in 2002. Three (3) of the existing 250hp chilled water pumps were installed in 1974 and the fourth 250hp chilled water pump was installed in 1984. Both the chiller and the pumps have reached the end of their useful life and will be replaced with a variable speed 1300 ton centrifugal water chiller and 7 smaller variable speed chilled water pumps. This work will also replacement of branch piping and installing refrigerant leak detection system to meet current building codes.

#### **11.08 Replace Misc. HVAC Equipment, T1 and Concourses – C AHUs, Smoke Fans (Phase 1)**

This project will replace HVAC equipment in Terminal 1 as well as on Concourses A, B, and C. Specifically, approximately 22 existing smoke exhaust fans and their controls would be replaced in total throughout the Terminal 1 complex. Additionally, five (5) roof top air handling units would be replaced on the eastern third of Concourse C.

#### **11.09 Replace Misc. HVAC Equip., T2–E AHU, Hub Server Rm, (Phase 1)**

This project will replace three (3) air handling units in the area of gates E29, E31 and E33 of the old East Terminal. These units, which supply tempered air to publicly occupied areas of the terminal, were installed in 1984, and have reached the end of their useful life. They nominally provide volumes of 6,000 cubic feet per minute (CFM), 16,000 CFM, and 19,000 CFM. The project will also provide enhanced cooling capacity to room D-1432C on the apron level of the D Concourse. This room is a computer hub room utilized by the Airport's Information Technology department to house critical servers. Room D-1432C is the main hub room for the Terminal 2 complex.

#### **11.10 Reactivate Gates C29 and C30**

This project entails installing two (2) new passenger boarding bridges, Ground Power Units and Pre-Condition Air Units at Gates C29 and C30. The project will allow the reopening of Concourse C between east of C28 and west of C32. Work will also include updates to the electrical, plumbing, and lighting systems and architectural updates that include new flooring, signage, wall and ceiling paint, bathroom repairs, and the installation of 325 holdroom seats including updated seat upholstery, making the area usable for passengers. Currently, Terminal 1 has one (1) spare passenger boarding bridge at Concourse A and two (2) spare passenger boarding bridges at Concourse C. Concourse C spare bridges are occupied daily by irregular operations from the current Concourse C airlines, leaving no additional gates for new entrant airlines.

#### **11.11 Reconstruct Lambert International Boulevard (Natural Bridge Road) Bridge over Coldwater Creek**

This project is for the Rehabilitation of the Lambert International Blvd (Natural Bridge Roadway) bridge over Cold Water Creek, part of the west entrance roadway to Terminals 1&2. The project includes the complete superstructure replacement of the 4-lane concrete roadway, existing abutment repairs, and replacement of the bridge approach slabs. The bridge is 120 foot long by 50 foot wide. Based on the most recent bridge inspection report performed by the City of St. Louis, Board of Public Service (2007), the following deficiencies were noted:

- 1) Settlement of the safety barrier on (n)orth side of bridge
- 2) Cracks in the bent caps
- 3) Water seepage through cracks in the bridge deck
- 4) Water seepage through opening in the approach slab joints.
- 5) Settlement of east and west approach slabs
- 6) Electrical conduit attached to bridge in need of repair.

Subsequent inspections (the most recent on April 5, 2016) indicate a continual worsening of the noted deficiencies. This project will address the bridge deficiencies noted above by replacing the entire bridge deck, repairing the bent caps, replacing guard rails and conduits attached to the bridge, and replacing approach slabs to the east and west of the bridge.

#### **11.12 Acquire Replacement Deicer Truck, 5000 gal and 75' boom**

The project consists of purchasing a large airfield deicer truck with at least 75' boom, to replace 1997 deicer truck #176. Truck #176 is 20 years old, and will be auctioned off on Govdeals.com, per City policy. The new deicer unit will be a replacement of #176, which is FAA approved in our SICP.

#### **11.13 Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment**

The project consists of purchasing a snow removal MTE unit with at least a 24' plow, 22' broom, air blast and small deicer tank, to replace unit #126, a 1997 Oshkosh dump truck with a 14' plow. Truck #126 is 20 years old, and will be auctioned off on Govdeals.com, per City policy. The new MTE will be a replacement of #126, which is FAA approved in our SICP.

#### **11.14 Replace T1 and Concourse Mechanical Systems**

This project is only being amended to increase the PFC collection rate to \$4.50. There is no change to the approved PFC revenue amount or to the original project description, as set forth below.

This project includes the replacement of air handling units (AHU) and hot water heaters.

Element A, Air Handling Units: This element will replace three (3) air handling units that exist on the apron level of Terminal 1, Units 12, 16 and 17. These units, which supply tempered air to public and airport employee occupied areas of this terminal were installed in the late 1970's, and have reached the end of their useful life. Due to their age, the units require substantial maintenance efforts, and replacement parts are scarce. Of the existing units, AHU 12 supplies nominally 18,000 CFM, AHU 16 supplies 7,400 CFM, and AHU 17 supplies 3,400 CFM. The three (3) units will be replaced by three (3) new AHUs of similar capacity.

Element B, Domestic Hot Water Heaters: This element will replace domestic hot water heaters in Concourses A, B, and C. The heaters were installed in the late 1970's. Due to their age, the heaters require substantial maintenance efforts and replacement parts are scarce.

Two (2) new water heaters with heating capacities of 235 gallons per hour (GPH) and 180 GPH will be installed in Concourse A; one new water heater with a heating capacity of 180 GPH will be installed in Concourse B; and two new water heaters with heating capacities of 235 GPH and 180 GPH will be installed in Concourse C. Replacement of the hot water heaters will also include replacement of circulating pumps, valves, and valve actuators associated with this system.

## PFC #12 Amendment Request for Comments

The Table below shows the PFC #12 Projects and proposed amendments.

PFC #	Project Title	Approved Rate	Requested Rate	Approved Amount	Requested Amount	Change in Amount
12.01	Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment	\$3.00	\$4.50	\$ 921,808	\$ 921,808	\$0
12.02	Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment	\$3.00	\$4.50	\$ 1,192,928	\$ 1,192,928	\$0
12.03	Reconstruct Taxiway K from Runway 12L-30R to Cargo Facility - Design	\$4.50	n/a	\$ 136,000	\$ 136,000	\$0
12.04	Reconstruct Taxiway K from Runway 12L-30R to Cargo Facility - Construction	\$4.50	n/a	\$ 1,526,000	\$ 1,526,000	\$0
12.06	Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment	\$3.00	\$4.50	\$ 969,500	\$ 969,500	\$0
12.07	Acquire Replacement Airfield Deicer Truck, 5000 gal with 75' boom	\$3.00	\$4.50	\$ 443,200	\$ 443,200	\$0
12.08	Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment	\$3.00	\$4.50	\$ 941,800	\$ 941,800	\$0
12.09	Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment	\$3.00	\$4.50	\$ 941,800	\$ 941,800	\$0
Application Total		\$3.00	\$4.50	\$ 7,073,036	\$ 7,073,036	\$0

The Airport proposes to amend six out of 8 projects in PFC #12 from a \$3.00 collection rate to a \$4.50 collection rate. No changes to the approved PFC amount for each project and for the application as a whole are proposed.

The justification and PFC objective for each project likewise remain unchanged.

The justification for the increase in the PFC collection rate is that due to changes in the law governing PFCs, the projects being amended now qualify for the higher \$4.50 rate. This amendment will allow the airport to maintain a constant \$4.50 collection rate for the life of our PFC program.

The project descriptions remain unchanged, as well. Brief descriptions of each project being amended are provided below for reference.

### 12.01 Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment

The project consists of purchasing a snow removal Multi-Tasking Equipment (MTE) unit with at least a 24' plow, 22' broom, air blast and small deicer tank, to replace plow truck #131, a 1998 Oshkosh dump truck with 14' plow. Truck #131 is 20 years old and was acquired using local Airport funds. The equipment has a history of being underpowered and unreliable, and will be auctioned off on Govdeals.com, per City policy. The new MTE will be a replacement of #131, which is FAA approved in our SICP.

### 12.02 Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment

The project consists of purchasing a snow removal MTE snow blower unit with at least a rotary snow blower, a 20' broom and air blast, to replace rotary snow blower #230, a 1997 Oshkosh rotary snow blower. Truck #230 is 21 years old and was acquired using local Airport funds. The equipment has a history of being unreliable and underpowered, and will be auctioned off on Govdeals.com, per City policy. The new MTE will be a replacement of #230, which is FAA approved in our SICP.

### 12.06 Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment

The project consists of purchasing a snow removal MTE unit with at least a 24' plow, 22' broom, air blast and small deicer tank, to replace plow truck #119, a 1999 Oshkosh dump truck with 14' plow. Truck #119 is 19 years old and was acquired using local Airport funds. The equipment has a history of being underpowered and unreliable, and will be auctioned off on Govdeals.com, per City policy. The new MTE will be a replacement of #119, which is FAA approved in our SICP.

### 12.07 Acquire Replacement Airfield Deicer Truck, 5000 gal with 75' boom

The project consists of purchasing a large airfield deicer truck with at least 75' booms, to replace a 1999 deicer truck, #175. Truck #175 is 19 years old and was acquired using local Airport funds. Due to its age, it is difficult to find replacement parts, and the truck can no longer reliably perform its intended function. The old unit will be auctioned off on Govdeals.com, per City policy. The new deicer unit will be a

replacement of #175, which is FAA approved in our SICP. The existing unit #175 was purchased with local funds.

**12.08 Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment**

The project consists of purchasing a snow removal MTE unit with at least a 24' plow, 22' broom, air blast and small deicer tank, to replace plow truck #132, a 1998 Oshkosh dump truck with 14' plow. Truck #132 is 20 years old and was acquired using local Airport funds. The equipment has a history of being underpowered and unreliable, and will be auctioned off on Govdeals.com, per City policy. The new MTE will be a replacement of #132, which is FAA approved in our SICP.

**12.09 Acquire Replacement Snow Plow/Snow Broom Multi-Tasking Equipment**

The project consists of purchasing a snow removal MTE unit with at least a 24' plow, 22' broom, air blast and small deicer tank, to replace plow truck #121, a 1997 Oshkosh dump truck with 14' plow. Truck #121 is 21 years old and was acquired using local Airport funds. The equipment has a history of being underpowered and unreliable, and will be auctioned off on Govdeals.com, per City policy. The new MTE will be a replacement of #121, which is FAA approved in our SICP.