

MAY 2019
FINANCIAL ADVISOR REPORT – THE AVIATION ENTERPRISE

INTRODUCTION

The Finance Committee has requested that the Financial Advisor provide a monthly report on the status of the financing of the Capital Construction Program (CCP) and any related issues concerning the Metropolitan Washington Airports Authority's (Airports Authority) Aviation Enterprise capital financing activities. The Financial Advisor presents this Monthly Report, focusing on the specific debt management projects underway, the debt policy framework guiding these projects and the financing of the CCP in general.

DISCUSSION SUMMARY

This paper is organized as follows:

- I. Executive Summary
- II. Action Items
 - A. Series 2019 Bond Transaction
- III. Informational Items
 - A. Refunding Update
- IV. Monthly Update
 - A. CCP: Actuals vs. Projections
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- C. Variable Rate Programs
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I. EXECUTIVE SUMMARY

Action Items

→ **Series 2019 Bond Transaction.** Under a separate agenda item, the finance team will present to the Finance Committee and the Board the authorizing resolution for the issuance of an amount not to exceed \$500 million for the Series 2019 Airport System Revenue and Refunding Bonds. The Series 2019 financing is expected to include the issuance of bonds to current refund the outstanding Series 2009B Bonds for savings and to fund capital construction project costs. Subject to market conditions, and the approval of the resolution and substantially final documents by the Finance Committee and Board, the bond sale is expected to occur on or about June 4 with a closing on July 3.

Informational Items

→ **Refunding Update.** The Series 2019 Bond financing is expected to include the issuance of bonds to current refund approximately \$183 million of outstanding Series 2009B Bonds for savings. The finance team is also evaluating whether to terminate existing interest rate swaps and fix out the associated variable rate debt.

II. ACTION ITEMS

(II.A) Series 2019 Bond Transaction

The Series 2019 financing is expected to include the issuance of bonds to current refund approximately \$183 million of outstanding Series 2009B Bonds for savings and to fund approximately \$250 million of project costs. Under a separate agenda item, the finance team requests the Finance Committee to approve and recommend to the Board of Directors the adoption of the proposed authorizing resolution for the issuance of the Bonds, approval of the substantially final documents and delegation of authority for the final terms and pricing of the bonds.

As part of the transaction process for the Series 2019 Bonds, the Airports Authority met with the rating agencies on May 3 and 6. The ratings are expected on or about May 16. Subject to market conditions and approval of the required documents by the Finance Committee and Board, the expected transaction schedule is:

Date	Task
May 3 and 6	Rating Agency Meetings
May 14	Board Bond Workshop
May 16	Receive Ratings
May 16	Post POS
June 4	Price Bonds/Sign the BPA
July 2	Pre-Close
July 3	Close

III. INFORMATIONAL ITEMS

(III.A) Refunding Update

The Series 2019 Bond financing is expected to include the issuance of bonds to current refund approximately \$183 million of outstanding Series 2009B Bonds. Under current market conditions, the refunding would produce about \$27.1 million of present value savings which is 14.8 percent of refunded par.

<i>Series</i>	<i>Callable Par/ Maturities</i>	<i>Range of Interest Rates</i>	<i>Call Date</i>	<i>Call Premium</i>	<i>Net PV Savings</i>
2009B PAB*	\$183,295,000 (‘20-’29)	4.125%-5.25%	10/01/19	0% (at par)	\$27.1 mm 14.8 percent

* Refunding bonds are split 35 percent/65 percent AMT/Non-AMT

For the Series 2019 Bond transaction, Finance Staff and the Financial Advisor are also evaluating whether to terminate portions of the Airports Authority’s swap portfolio to reduce risk.

45. MONTHLY UPDATES

(IV.A) CCP: Actuals vs. Projections

Exhibit A sets forth the major CCP projects underway at the Airports Authority, as well as historical CCP actual versus projected expenditures. The CCP expenditures for 2019 are budgeted at \$466.5 million including construction and capitalized interest costs. Expenditures in April 2019 totaled \$28.3 million.

2019 CCP Projections vs. Actuals (\$ millions)				
	<i>General Ledger Actual</i>	<i>Original Projection</i>	<i>Variance</i>	<i>Variance (%)</i>
Jan 2019	\$16.00	\$22.66	(\$6.66)	(29.4%)
Feb 2019	12.70	22.66	(9.96)	(43.9%)
Mar 2019	12.30	22.66	(10.36)	(45.7%)
Apr 2019	28.30	48.80	(20.50)	(42.0%)
2019 Totals (Thru April)	\$69.30	\$116.77	(\$47.47)	(40.7%)

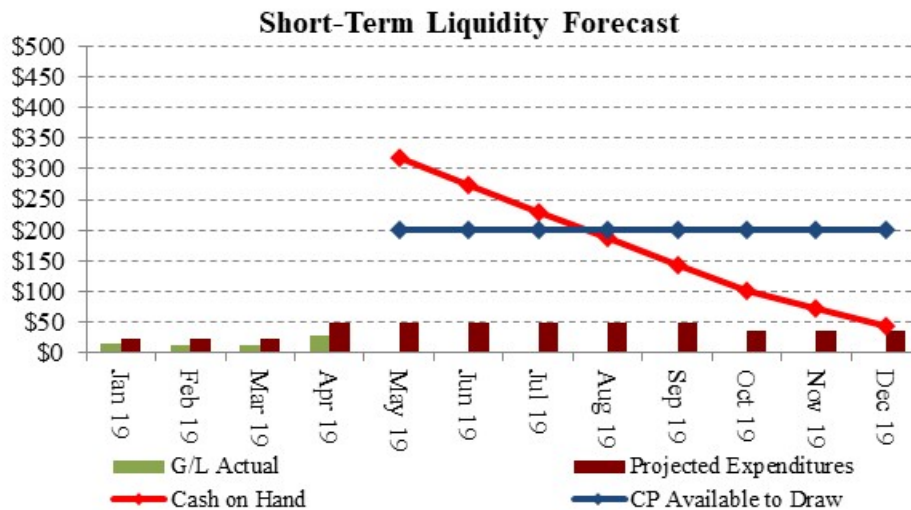
(IV.B) Short-Term Liquidity Forecast

The following (including the table and chart) is based on information provided to the Financial Advisor by Finance Staff.

At the beginning of May 2019, the Airports Authority had \$318.1 million of cash-on-hand¹ and \$200 million of additional available liquidity in the form of undrawn CP Series Two capacity.

Short-Term Liquidity Forecast (\$ millions)					
Beginning of Month	Cash Available	CP Available to Draw (End Bal)	PFCs	Grants	Projected Expenditures
May 2019	318.08	200.00	3.75	1.30	48.80
Jun 2019	274.33	200.00	3.75	1.30	48.80
Jul 2019	230.57	200.00	3.75	1.79	48.67
Aug 2019	187.44	200.00	3.75	1.79	48.67
Sep 2019	144.31	200.00	3.75	1.79	48.67
Oct 2019	101.18	200.00	3.75	2.38	35.35
Nov 2019	71.95	200.00	3.75	2.38	35.35
Dec 2019	42.73	176.31	3.75	2.38	35.35

The liquidity forecast does not include the proceeds of the planned 2019 new money bond transaction.



¹ Cash-on-hand includes proceeds of the Series 2018A Bonds and Funds 63 and 64.

(IV.C) Variable Rate Programs

In addition to approximately \$740.4 million of outstanding variable rate debt, the Airports Authority can issue up to \$200 million of CP Two Notes which are currently “on-the-shelf.”

Outstanding unhedged variable rate debt of \$222.6 million represents approximately 5.1 percent of the Airports Authority’s \$4.4 billion of outstanding indebtedness.

Gross Variable Rate Exposure

Fixed Rate Debt Percentage:			
Fixed Rate Debt		\$3,653,630,000	
2009D VRDOs (Hedged)		113,700,000	
2010C2 VRDOs (Hedged)		89,830,000	
2010D Index Floater (Hedged)		145,200,000	
2011A VRDOs (Hedged)		169,065,000	
	Fixed Rate	\$4,171,425,000	94.9%
Variable Rate Debt Percentage:			
2003D VRDOs		51,625,000	
2010C1 VRDOs		51,675,000	
2011B Index Floater		119,315,000	
CP Notes		0	
	Variable Rate	\$222,615,000	5.1%
Combined Total		\$4,394,040,000	100.0%

The Airports Authority’s current cash balances of \$958.4 million in short-term investments can be netted against variable rate debt exposure to produce a net variable rate exposure. Currently, unrestricted cash balances exceed the amount of unhedged short-term debt.

Exhibit C-2 illustrates the current year rolling three-month average spreads to the Securities Industry and Financial Markets Association index (SIFMA) of the Airports Authority’s variable rate programs, as well as historic spreads to SIFMA by quarter.

(IV.D) Swaps – Monthly Swap Performance

2002 Swap: Under the terms of the swap agreement, the Airports Authority pays to the counterparty a fixed rate of 4.445 percent on the outstanding notional amount of the swap. In return, the Airports Authority receives from the counterparty 72 percent of one-month London Inter-bank Offered Rate (LIBOR) based upon the outstanding notional amount of the swap. The 2002 Swap originally hedged the Series 2002C Bonds and now hedges the 2011A-2 which refunded the Series 2002C Bonds in full. On October 1, 2015, the Series 2011A-2 was converted from Index Floaters to Variable Rate Demand Obligations (VRDOs). **Exhibit D-2** provides the historical monthly cash flow of the 2002 swaps associated with the hedged VRDOs.

2009 Swaps: Under the terms of the swap agreements, the Airports Authority pays to the counterparties an average fixed rate of 4.099 percent on the outstanding notional amount

of the swap. In return, the Airports Authority receives from the counterparties 72 percent of one-month LIBOR based upon the outstanding notional amount of its respective swaps. The 2009 Swap originally hedged the Series 2009A Bonds and 2009D Bonds. The Series 2009A Bonds were partially refunded by the Series 2010C2 Bonds and the remaining portion was fully refunded by the Series 2011A-3 Bonds. The 2009 Swaps now hedge the 2011A-3, 2009D and 2010C2 VRDOs. On October 1, 2015, the Series 2011A-3 Bonds were converted from Index Floaters to VRDOs. **Exhibit D-2** provides the historical monthly cash flow of the 2009 Swaps associated with the hedged VRDOs.

2010 Swap: Under the terms of the swap agreement, the Airports Authority pays to the counterparty a fixed rate of 4.112 percent on the outstanding notional amount of the swap. In return, the Airports Authority receives from the counterparty 72 percent of one-month LIBOR based upon the outstanding notional amount of the swap. The 2010 Swap hedges the Series 2010D Index Floaters. **Exhibit D-2** provides the historical monthly cash flow of the 2010 Swap associated with the hedged Index Floaters.

2011 Swap: Under the terms of the swap agreement, the Airports Authority pays to the counterparty a fixed rate of 3.862 percent on the outstanding notional amount of the swap. In return, the Airports Authority receives from the counterparty 72 percent of one-month LIBOR based upon the outstanding notional amount of the swap. The 2011 Swap hedges the Series 2011A-1 Bonds. On October 1, 2015, the Series 2011A-1 Bonds were converted from Index Floaters to VRDOs. **Exhibit D-2** provides the historical monthly cash flow of the 2011 Swap associated with the hedged VRDOs.

Exhibit A
Airports Authority's CCP

Major projects under construction at Reagan National include:

- New Concourse Enabling Projects
- New Concourse
- Sanitary Sewer Main Reconstruction – Terminal C to North Pump Station
- Terminal C Bag Room Renovations
- Secure National Hall
- Secure National Hall Enabling Projects
- Hold Bay 4 Reconstruction and Reconfiguration

Major projects under construction at Dulles International include:

- Parking Access and Revenue Control System (PARCS)
- Concourse C/D Skylights, Roof Top Unit And Boiler Replacements
- Taxilane B Reconstruction and Widening, Middle Section
- Main Terminal Baggage Basement Improvements

Historical CCP Projections vs. Actuals (\$ millions)

	<i>General Ledger Actual</i>	<i>Projection²</i>	<i>Variance</i>	<i>Variance (%)</i>
2003 Totals	\$282.7	\$321.9	(\$39.2)	(12.2%)
2004 Totals	\$349.3	\$349.9	(\$0.6)	(0.2%)
2005 Totals ³	\$555.8	\$574.4	(\$18.6)	(3.2%)
2006 Totals	\$672.2	\$713.2	(\$41.0)	(5.7%)
2007 Totals	\$719.4	\$689.7	\$29.7	4.3%
2008 Totals	\$537.7	\$672.8	(\$135.1)	(20.1%)
2009 Totals	\$349.8	\$474.2	(\$124.3)	(26.2%)
2010 Totals	\$220.2	\$327.3	(\$107.1)	(32.7%)
2011 Totals	\$167.4	\$299.4	(\$131.9)	(44.1%)
2012 Totals	\$118.8	\$274.6	(\$155.8)	(56.7%)
2013 Totals	\$152.3	\$235.9	(\$83.6)	(35.4%)
2014 Totals	\$113.0	\$209.5	(\$96.5)	(46.1%)
2015 Totals	\$83.3	\$248.8	(\$165.5)	(66.5%)
2016 Totals	\$66.3	\$193.6	(\$127.3)	(65.8%)
2017 Totals	\$104.8	\$356.7	(\$251.9)	(70.6%)
2018 Totals	\$157.8	\$342.7	(\$184.9)	(53.9%)

² Historical projections for 2003 do not reflect periodic revisions. 2003: The last revision for 2003 projected a total of \$287.5 million.

³ Projection reflects December 2005 budget amendment.

Exhibit B-1

Airport System Revenue Bonds

Summary of Bonds Outstanding

Security: General Airport Revenue Bonds ("GARBs") are secured by the pledge of Net Airport Revenues
 Lien: Senior
 Ratings: Moody's Aa3 (Stable)
 S&P AA- (Stable)
 Fitch AA- (Stable)

Series	Date	Original Par Amount	Current Par Amount	Tax Status	Coupon	Credit Enhancement*	Purpose
2003D	10/01/03	150,000,000	51,625,000	AMT	Variable	TD LOC	New Money
2009B	04/01/09	236,825,000	194,835,000	Non-AMT	Fixed	BHAC (partial)	New Money
2009C	07/02/09	314,435,000	7,305,000	Non-AMT	Fixed	None	Refund PFC Notes
2009D**	07/02/09	136,825,000	113,700,000	Non-AMT	Variable	TD LOC	Refund PFC Notes
2010A	07/28/10	348,400,000	299,405,000	Non-AMT	Fixed	None	New Money/OMP
2010B	07/28/10	229,005,000	115,380,000	AMT	Fixed	None	Current Refunding
2010C***	09/22/10	170,000,000	141,505,000	C1 (AMT), C2 (Non-AMT)	Variable	Sumitomo LOC	Current Refunding
2010D**	09/22/10	170,000,000	145,200,000	Non AMT	Variable	Wells Fargo Index Floaters	New Money/Current Refunding
2010F-1	11/17/10	61,820,000	61,820,000	Non-AMT	Fixed	None	OMP
2011A**	09/21/11	233,635,000	169,065,000	AMT	Variable	Sumitomo LOC	New Money/Current Refunding
2011B	09/21/11	207,640,000	119,315,000	AMT	Variable	U.S. Bank Index Floaters	New Money/Current Refunding
2011C	09/29/11	185,390,000	130,575,000	AMT	Fixed	None	Current Refunding
2011D	09/29/11	10,385,000	7,585,000	Non-AMT	Fixed	None	Current Refunding
2012A	07/03/12	291,035,000	267,130,000	AMT	Fixed	None	Current Refunding
2012B	07/03/12	20,790,000	3,745,000	Non-AMT	Fixed	None	Advance Refunding
2013A	07/11/13	207,205,000	203,095,000	AMT	Fixed	None	New Money/Current Refunding
2013B	07/11/13	27,405,000	17,360,000	Taxable	Fixed	None	Current Refunding
2013C	07/11/13	11,005,000	11,005,000	Non-AMT	Fixed	None	Advance Refunding
2014A	07/03/14	539,250,000	456,705,000	AMT	Fixed	None	Current Refunding
2015A	01/29/15	163,780,000	163,780,000	AMT	Fixed	None	Refunding/Call Extension
2015B	07/15/15	279,235,000	258,145,000	AMT	Fixed	None	New Money/Current Refunding
2015C	07/15/15	35,975,000	27,975,000	Non-AMT	Fixed	None	Current Refunding/CP Takeout
2016A	07/07/16	362,655,000	362,655,000	AMT	Fixed	None	Current Refunding
2016B	07/07/16	23,370,000	23,370,000	Non-AMT	Fixed	None	Current Refunding
2017A	07/07/17	522,135,000	483,330,000	AMT	Fixed	None	New Money/Current Refunding
2018A	07/03/18	558,430,000	558,430,000	AMT	Fixed	None	New Money/Current Refunding
Total		5,496,630,000	4,394,040,000				

* Approximately 2 percent of the GARB portfolio is additionally secured through bond insurance.

** All of the Series 2009D, 2010D and 2011A are subject to a floating-to-fixed rate swap.

*** \$89.8 million of the Series 2010C is subject to a floating-to-fixed rate swap.

As % of Total Portfolio	
Insurer	Percentage
BHAC	2.2%
Uninsured	97.8%

As % of Insured Portfolio	
Insurer	Percentage
BHAC	100.0%

Average Fixed Rate Debt
3.93%

Exhibit B-2
Airport System Revenue Bonds
Refunding Monitor

Refunding Candidates – Governmental Purpose

There are no Governmental Purpose refunding candidates at this time.

Refunding Candidates – Private Activity

The Series 2009B Bonds with a call date on October 1, 2019 may be current refunded with tax exempt bonds as early as July 2019.

Refunding Candidates – Taxable

There are no taxable refunding candidates at this time.⁴

Below are the refunding guidelines previously accepted by the Board:

Time Between Call Date and Issuance of Refunding Bonds	Traditional Financing Products Minimum Present Value (PV) Percent Savings	Non-Traditional Financing Products Minimum PV Percent Savings
0 to 90-days (Current)	Greater of Call Premium or 1%	Call Premium + 1% - 2%
90-days to 1-year	Call Premium + 1%	Call Premium + 2% - 3%
1-year to 2-years	Call Premium + 2%	Call Premium + 3% - 4%
> 2-years	Call Premium + 3%	Call Premium + 4% - 5%

⁴ The Series 2013B Bonds are taxable and advance refundable. However, the Series 2013B Bonds can only be called prior to maturity with a make whole call provision.

**Exhibit C-1
Variable Rate Programs
Overview**

Summary of Dealers, Credit Enhancement and Bank Facilities

Details of Dealers

<i>Dealer</i>	<i>Program/ Series</i>	<i>Amount (\$ MM)</i>	<i>Remarketing Fees</i>
<i>BofA Merrill Lynch</i>	CP: Series Two*	Up to \$200	0.05%
<i>TD</i>	VRDO: 2003D1 Bonds	\$51.625	0.05%
<i>BofA Merrill Lynch</i>	VRDO: 2009D Bonds**	\$113.700	0.06–0.08%
<i>Barclays</i>	VRDO: 2010C Bonds	\$141.505	0.06%
<i>Wells Fargo</i>	Index Floater: 2010D Bonds	\$145.200	None
<i>RBC</i>	VRDO: 2011A Bonds	\$169.065	0.05%
<i>U.S. Bank</i>	Index Floater: 2011B Bonds	\$119.315	None

* The CP Series One has been suspended and the CP Series Two is authorized to be issued up to \$200 million effective March 6, 2014.

** The Series 2009D Bonds in a daily mode have a 0.08 percent remarketing fee and those bonds in a weekly mode have a 0.06 percent remarketing fee.

Details of Facilities

<i>Bank Provider</i>	<i>Facility</i>	<i>Program/ Series</i>	<i>Amount (\$ MM)</i>	<i>Fee/ Spread (bps)</i>	<i>Expiration Date</i>
ICBC	LOC	CP: Series Two	\$200.000	17.0	February 25, 2022
TD Bank	LOC	2003D1	\$51.625	26.0	October 4, 2022
TD Bank	LOC	2009D	\$113.700	35.0	February 28, 2021
Sumitomo	LOC	2010C	\$141.505	34.0	September 21, 2020
Wells Fargo	Index Floater	2010D	\$145.200	37.0*	September 22, 2020
Sumitomo	LOC	2011A	\$169.065	30.0	October 4, 2022
U.S. Bank	Index Floater	2011B	\$119.315	36.0*	April 1, 2020

* Fixed spread to 80 percent of LIBOR Index.

**Exhibit C-2
Variable Rate Programs
Historical Performance**

The following tables illustrate (i) rolling three-month average spreads to SIFMA and (ii) rolling 12-month average spreads to SIFMA including credit and remarketing fees.

2019 Interest Rates (quarterly)

Quarter	2003D1 TD Weekly ⁵	2009D1 BofA Weekly	2009D2 BofA Daily	2010C1 Barclays Weekly ⁶	2010C2 Barclays Weekly	2010D Wells Index	2011A RBC Weekly ⁷	2011B US Bank Index	CP 2 BofA ⁸	SIFMA
12-month Rolling Average	0.473%	0.409%	0.342%	0.417%	0.373%	0.679%	0.370%	0.671%	--	1.506%
Jan 19 – Mar 19	0.335%	0.452%	0.261%	0.431%	0.374%	0.824%	0.389%	0.817%	--	1.545%
Feb 19 – Apr 19	0.338%	0.458%	0.367%	0.436%	0.376%	0.677%	0.381%	0.676%	--	1.684%

Historical Interest Rates (annually)

Year	2003D1	2009D1	2009D2	2010C1	2010C2	2010D	2011A	2011B	CP 2	SIFMA
2018	0.495%	0.396%	0.359%	0.418%	0.383%	0.580%	0.363%	0.566%	--	1.41%
2017	0.245%	0.401%	0.379%	0.415%	0.404%	0.270%	0.357%	0.270%	--	0.84%
2016	0.245%	0.431%	0.401%	0.408%	0.401%	0.264%	0.343%	0.258%	--	0.41%
2015	0.708%	0.685%	0.700%	0.688%	0.680%	0.434%	0.773%	0.429%	--	0.03%
2014	0.761%	0.684%	0.703%	0.783%	0.780%	0.621%	0.881%	0.666%	0.597%	0.05%
2013	0.724%	0.662%	0.676%	0.707%	0.709%	0.696%	0.866%	0.749%	1.347%	0.09%
2012	0.415%	0.671%	0.682%	0.624%	0.629%	0.754%	0.828%	--	1.339%	0.16%
2011	0.405%	0.648%	0.668%	0.599%	0.606%	0.745%	--	--	1.468%	0.17%
2010	0.413%	1.243%	1.307%	--	--	--	--	--	0.323%	0.26%
2009	0.390%	--	--	--	--	--	--	--	0.791%	0.40%
2008	2.079%	--	--	--	--	--	--	--	0.116%	2.21%
2007	0.649%	--	--	--	--	--	--	--	0.281%	3.62%
2006	0.474%	--	--	--	--	--	--	--	0.381%	3.45%
2005	0.364%	--	--	--	--	--	--	--	0.306%	2.47%
2004	0.438%	--	--	--	--	--	--	--	0.258%	1.24%

⁵ On October 1, 2018, the 2003D-1 Bonds were converted from Wells Fargo Index Floaters to weekly VRDOs remarketed by TD Securities. On October 1, 2015, Wells Fargo purchased the 2003D-1 Bonds as Index Floaters. On December 18, 2012, Bank of America purchased the 2003D-1 Bonds as Index Floaters. On April 16, 2009, Wells Fargo took over the remarketing of the 2003D-1 Bonds from Goldman Sachs.

⁶ On September 22, 2015, the 2010C1 was converted from 2-day to weekly VRDOs.

⁷ On October 1, 2015, the 2011A was converted from Wells Fargo Index Floaters to weekly VRDOs remarketed by RBC Capital Markets.

⁸ On July 15, 2015, the Commercial Paper Series Two was refunded in its entirety.

The following tables illustrate (i) rolling three-month average spreads to SIFMA, and (ii) rolling 12-month average spreads to SIFMA excluding credit and remarketing fees.

2019 Interest Rates (quarterly)

Quarter	2003D1 TD Week ⁹	2009D1 BofA Weekly	2009D2 BofA Daily	2010C1 Barclays Week ¹⁰	2010C2 Barclays Weekly	2010D Wells Index	2011A RBC Week ¹¹	2011B US Bank Index	CP 2 BofA ¹²	SIFMA
12-month Rolling Average	0.132%	-0.001%	-0.088%	0.017%	-0.027%	0.309%	0.029%	0.311%	--	1.506%
Jan 19 – Mar 19	0.025%	0.042%	-0.169%	0.031%	-0.026%	0.454%	0.039%	0.457%	--	1.545%
Feb 19 – Apr 19	0.028%	0.048%	-0.063%	0.036%	-0.024%	0.307%	0.031%	0.316%	--	1.684%

Historical Interest Rates (annually)

Year	2003D1	2009D1	2009D2	2010C1	2010C2	2010D	2011A	2011B	CP 2	SIFMA
2018	0.132%	-0.014%	-0.071%	0.018%	-0.017%	0.210%	0.028%	0.206%	--	1.41%
2017	-0.070%	-0.009%	-0.051%	0.015%	0.004%	-0.048%	0.027%	-0.046%	--	0.84%
2016	-0.069%	-0.002%	-0.032%	0.009%	0.002%	-0.060%	0.014%	-0.061%	--	0.41%
2015	0.102%	-0.005%	-0.010%	0.012%	0.005%	0.109%	0.072%	0.109%	--	0.03%
2014	0.061%	-0.006%	-0.007%	0.003%	0.000%	0.060%	0.061%	0.019%	0.040%	0.05%
2013	0.047%	-0.004%	-0.010%	-0.003%	-0.001%	0.046%	0.046%	-0.001%	0.144%	0.09%
2012	0.054%	0.021%	-0.017%	-0.007%	-0.001%	0.007%	0.008%	--	0.189%	0.16%
2011	0.055%	0.004%	-0.033%	-0.033%	-0.024%	-0.013%	--	--	0.315%	0.17%
2010	0.063%	-0.014%	-0.000%	--	--	--	--	--	0.113%	0.26%
2009	0.040%	--	--	--	--	--	--	--	0.581%	0.40%
2008	1.673%	--	--	--	--	--	--	--	-0.094%	2.21%
2007	0.239%	--	--	--	--	--	--	--	0.032%	3.62%
2006	-0.026%	--	--	--	--	--	--	--	-0.099%	3.54%
2005	-0.046%	--	--	--	--	--	--	--	-0.084%	2.47%
2004	0.028%	--	--	--	--	--	--	--	-0.012%	1.24%

⁹ On October 1, 2018, the 2003D-1 Bonds were converted from Wells Fargo Index Floaters to weekly VRDOs remarketed by TD Securities. On October 1, 2015, Wells Fargo purchased the 2003D-1 Bonds as Index Floaters. On December 18, 2012, Bank of America purchased the 2003D-1 Bonds as Index Floaters. On April 16, 2009, Wells Fargo took over the remarketing of the 2003D-1 Bonds from Goldman Sachs.

¹⁰ On September 22, 2015, the 2010C1 was converted from 2-day to weekly VRDOs.

¹¹ On October 1, 2015, the 2011A was converted from Wells Fargo Index Floaters to weekly VRDOs remarketed by RBC Capital Markets.

¹² On July 15, 2015, the Commercial Paper Series Two was refunded in its entirety.

Exhibit D-1
Swap Program
Airports Authority Swap Profile

The table below summarizes the Airports Authority’s current swap portfolio. All of the Airports Authority’s swaps require payment of a fixed rate by the Airports Authority to the counterparty and the receipt of a variable rate by the Airports Authority based upon 72 percent of LIBOR.

Trade Date	Effective Date	Termination Date (“final maturity”)	Swap Providers	Ratings Moody’s/S&P/ Fitch	Outstanding Notional Amount (\$ millions)	Hedged Series	Current Termination Value (\$ millions) ¹³	Fixed Rate
07/31/01	08/29/02	10/01/21	Bank of America	Aa2/A+/AA-	\$18.3	2011A-2	(\$0.7)	4.445%
06/15/06	10/01/09	10/01/39	JPMorgan Chase Bank of America	Aa2/A+/AA Aa2/A+/AA-	\$157.9 <u>\$91.4</u> \$249.3	2011A-3 2009D 2010C2	(\$38.0) <u>(\$22.0)</u> (\$60.0)	4.099%
06/15/06	10/01/10	10/01/40	Wells Fargo	Aa2/A+/AA-	\$145.2	2010D	(\$36.7)	4.112%
09/12/07	10/01/11	10/01/39	Wells Fargo	Aa2/A+/AA-	<u>\$105.0</u>	2011A-1	<u>(\$20.7)</u>	3.862%
Aggregate Swaps					\$517.8		(\$118.2)	

¹³ Amounts as of April 30, 2019; A negative value represents a payment by the Airports Authority to the counterparty if the swap is terminated in the current market; a positive value represents a receipt by the Airports Authority if the swap is unwound in the current market.

Exhibit D-2
Swap Program
Swap Effective Interest Rate to-date and Monthly Performance

2002 Swap: The Airports Authority's 2002 Swap is a fixed-payor interest rate swap. Under the 2002 Swap, (a) the Airports Authority pays a fixed rate of interest, 4.445 percent, to the swap counterparty; and (b) the swap counterparty pays the Airports Authority a variable rate of interest equal to 72 percent of one-month LIBOR. The variable rate received from the counterparty is designed to closely correlate to the interest rate the Airports Authority pays on the underlying variable rate bonds, thereby creating essentially fixed rate debt ("synthetic" fixed rate debt). The Swap Agreement was dated July 31, 2001, and became effective August 29, 2002. The 2002 Swap counterparty is Bank of America. The 2002 Swap hedges the 2011A-2. The swap previously hedged the Series 2002C Bonds until these bonds were refunded by the 2011A-2 Bonds. On October 1, 2015, the Series 2011A-2 was converted from Index Floaters to VRDOs.

2009 Swap: The Airports Authority's 2009 Swap is a fixed-payor interest rate swap. Under the 2009 Swap: (a) the Airports Authority pays a fixed rate of interest, 4.099 percent, to the swap counterparty; and (b) the swap counterparty pays the Airports Authority a variable rate of interest equal to 72 percent of one-month LIBOR, thereby creating synthetic fixed rate debt. The Swap Agreement was dated June 15, 2006, and became effective on October 1, 2009. The 2009 Swap counterparties were Bear Stearns and Bank of America. However, Bear Stearns was bought by JP Morgan in March 2008. The 2009 Swap hedges the Series 2011A-3 Bonds, Series 2009D Bonds and the Series 2010C2 Bonds. The swap previously hedged the Series 2009A Bonds until these bonds were refunded by the 2011A-3 Bonds. On October 1, 2015, the Series 2011A-3 was converted from Index Floaters to VRDOs.

2010 Swap: The Airports Authority's 2010 Swap is a fixed-payor interest rate swap. Under the 2009 Swap: (a) the Airports Authority pays a fixed rate of interest, 4.112 percent, to the swap counterparty; and (b) the swap counterparty pays the Airports Authority a variable rate of interest equal to 72 percent of one-month LIBOR, thereby creating synthetic fixed rate debt. The Swap Agreement was dated June 15, 2006, and became effective on October 1, 2010. The 2010 Swap counterparty is Wells Fargo. The 2010 Swap hedges the Series 2010D Index Floaters.

2011 Swap: The Airports Authority's 2011 Swap is a fixed-payor interest rate swap. Under the 2011 Swap, (a) the Airports Authority pays a fixed rate of interest, 3.862 percent, to the swap counterparty; and (b) in return, the swap counterparty pays the Airports Authority a variable rate of interest equal to 72 percent of one-month LIBOR, thereby creating synthetic fixed rate debt. The Swap Agreement was dated September 12, 2007, and became effective October 1, 2011. The 2011 Swap counterparty is Wells Fargo. The 2011 Swap hedges the 2011A-1. On October 1, 2015, the Series 2011A-1 was converted from Index Floaters to VRDOs.

The following table presents the 72 percent of one-month LIBOR rate received from the counterparties, the average monthly interest rate on the hedged variable rate bonds paid by the Airports Authority, and the resulting effective all-in interest rate on the swap.

Hedged Variable Rate Debt and Swaps

Month	1-M LIBOR	72% 1-M LIBOR	2002 Swap (Rate 4.445%)			2009 Swap (Rate 4.099%)		
			Average All-In Interest Rate	Effective Interest Rate	All-In Effective Rate to Date	Average All-In Interest Rate	Effective Interest Rate	All-In Effective Rate to Date
Jan 2019	2.51%	1.81%	1.80%	4.44%	4.80%	1.73%	4.02%	4.76%
Feb 2019	2.50%	1.80%	2.00%	4.65%	4.80%	2.02%	4.33%	4.76%
Mar 2019	2.49%	1.79%	2.00%	4.65%	4.80%	1.98%	4.28%	4.75%
Apr 2019	2.48%	1.79%	2.20%	4.85%	4.80%	2.23%	4.54%	4.75%

Historical Data:

2018	2.01%	1.45%	1.78%	4.78%	4.82%	1.79%	4.44%	4.78%
2017	1.10%	0.79%	1.20%	4.85%	4.81%	1.23%	4.54%	4.82%
2016	0.49%	0.35%	0.75%	4.82%	4.67%	0.81%	4.54%	4.84%
2015	0.20%	0.14%	--	--	--	0.71%	4.66%	4.91%
2014	0.16%	0.11%	--	--	--	0.78%	4.77%	4.95%
2013	0.19%	0.14%	--	--	--	0.78%	4.74%	4.99%
2012	0.24%	0.17%	--	--	--	0.82%	4.75%	5.06%
2011	0.23%	0.17%	--	--	--	0.87%	4.80%	5.21%
2010	0.27%	0.20%	--	--	--	1.41%	5.31%	5.35%
2009	0.24%	0.17%	--	--	--	1.59%	5.52%	5.52%

Hedged Variable Rate Debt and Swaps

Month	2010 Swap (Rate 4.112%)				2011 Swap (Rate 3.862%)			
	1-M LIBOR	72% 1-M LIBOR	Average All-In Interest Rate	Effective Interest Rate	All-In Effective Rate to Date	Average All-In Interest Rate	Effective Interest Rate	All-In Effective Rate to Date
Jan 2019	2.51%	1.81%	2.38%	4.68%	4.65%	1.80%	3.86%	4.22%
Feb 2019	2.50%	1.80%	2.37%	4.68%	4.66%	2.00%	4.07%	4.22%
Mar 2019	2.49%	1.79%	2.36%	4.68%	4.66%	2.00%	4.07%	4.21%
Apr 2019	2.48%	1.79%	2.36%	4.68%	4.66%	2.20%	4.27%	4.21%

Historical Data:

2018	2.01%	1.45%	1.99%	4.65%	4.66%	1.78%	4.19%	4.24%
2017	1.10%	0.79%	--	--	--	1.20%	4.27%	4.24%
2016	0.49%	0.35%	--	--	--	0.76%	4.26%	4.09%