

Introduction to PFM

Independent Financial Advisory Services

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November 12, 2021



What is an Independent Financial Advisor?

- In its simplest terms, an Independent Financial Advisor **represents the Issuer's best interests** throughout the entire process of any debt issuance
 - Selection of financing type (bond issue, bank loan etc.)
 - Method of sale (competitive, negotiated, hybrid, etc.)
 - Negotiations of interest rates, commissions, and loan provisions
 - Ultimate recommendation whether or not to proceed based on current market conditions
- PFM (collectively, Public Financial Management, Inc. and PFM Financial Advisors LLC) has a <u>fiduciary</u> duty to the Issuer and no one else. **Underwriters have no fiduciary duty to the Issuer**.





PFM Overview to

PFM's #1 Rankings for 2020[‡]

Type

- Overall
- Negotiated
- Tax-exempt
- Taxable
- Revenue
- General Obligation
- Bank Qualified
- Refunding
- Variable Rate

Sector

- Primary/ Secondary Education
- Higher Education
- Airports
- Public Power
- Utilities
- Industrial Development
- Tobacco Settlement

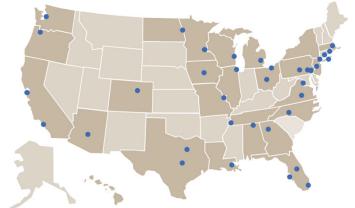
Region

- Pennsylvania
- Midwest
- Southeast

Nation's #1 ranked Independent Financial Advisor ‡

 Leading financial advisor to state and local governments in the nation, and advised on over \$75 billion of bond issuance in 2020. ‡

Approximately 37 PFM Group locations across the U.S.*



^{*}As of December 31, 2020

PFM's First Place Ranking Overall Long Term 1998 - 2020

	Par Amount	# of
0000	(millions)	Transactions
2020	75,941	922
2019	78,407	1,003
2018	63,501	791
2017	84,137	923
2016	94,580	1,192
2015	81,916	1,040
2014	69,911	852
2013	68,045	824
2012	79,032	957
2011	56,072	804
2010	90,405	1,065
2009	87,986	984
2008	69,791	841
2007	64,968	769
2006	52,832	783
2005	50,546	961
2004	43,353	875
2003	45,752	946
2002	37,840	902
2001	34,630	876
2000	20,896	571
1999	12,070	409
1998	13,947	423
	Source: Inre	00

Source: Ipreo

[†] Collectively Public Financial Management, Inc. and PFM Financial Advisors LLC [‡]Ranked by Ipreo for calendar year 2020, based on principal amount and number of transactions.



Pennsylvania Experience - Overall

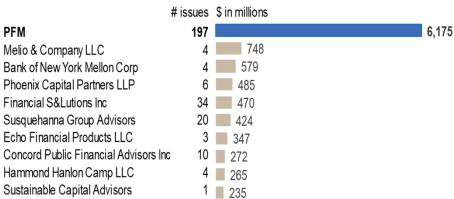
- PFM has been the #1 ranked financial advisor in Pennsylvania for over 20 years [1]
- Our clients include a wide spectrum of small and large tax-exempt issuers across the Commonwealth
- PFM advises on more debt issuances annually than any other financial advisor or underwriter

Pennsylvania Year Ending 2020 PFM vs. Financial Advisors

Pennsylvania
Year Ending 2020
PFM vs. Underwriters

2020 Full Year Pennsylvania Overall Long Term Municipal New Issues

Municipal Financial Advisory Ranking - Equal to Each Financial Advisor Source: Refinitiv



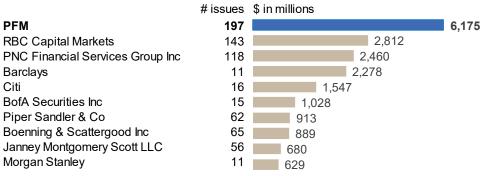
2020 Full Year Pennsylvania Long Term Municipal New Issues

PFM vs. Underwriter

Municipal Financial Advisory vs Underwriter Ranking

Equal to Each Financial Advisor; True Economics to Each Bookrunner

Source: Refinitiv





Select Regional Clients*

Small sample of local PFM clients listed below – Full client list available upon request

School Districts

- Baldwin Whitehall SD
- 2. Belle Vernon ASD
- 3. Brentwood Borough SD
- 4. Canon-McMillan SD
- 5. Carlynton SD
- 6. Duquesne City SD
- 7. Franklin Regional SD
- 8. Freeport ASD
- 9. Greater Latrobe SD
- 10. Homer-Center SD
- 11. Jefferson Morgan SD
- 12. Marion Center ASD
- 13. New Brighton ASD
- 14. Norwin SD
- 15. Pittsburgh SD
- 16. Ringgold
- 17. Quaker Valley SD
- 18. South Fayette Twp SD
- 19. West Jefferson Hills SD

Technical Schools

- 1. A.W. Beattie Career Center
- 2. Admiral Peary AVTS
- 3. Bethlehem Area Vo-Tech
- 4. Bucks CTC
- 5. Butler County Vo-Tech
- Career Institute of Technology
- 6. Columbia-Montour Vo-Tech
- 7. Cumberland Perry AVTS
- 8. Dauphin County Technical School
- 9. Eastern Westmoreland CTC
- 10. Franklin County CTC
- 11. Indiana County Technology Center
- 11. Lebanon County CTC
- 12. Lehigh CTI
- 13. Middle Bucks Institute of Technology
- 14. Mon Valley CTC
- 15. North Montco CTC
- 16. Upper Bucks County AVTS
- 17. Venango Technology Center
- 18. Western Center for Technical Studies

IU/Community Colleges

- 1. Allegheny IU #3
- 2. Community College of Allegheny County
- 3. Bucks County Community College
- 4. Butler County Community College
- 5. Capital Area IU #15
- 6. Colonial IU #20
- 7. HACC, Central Pennsylvania's Community College
- 8. Lehigh Carbon Community College
- 9. Montgomery County Community College
- 10. Northampton Community College
- 11. Pennsylvania Highlands Community College
- 12. Seneca Highlands IU #29



Credit Ratings

- The majority of bond issues in the capital markets have credit ratings from one or more of the three major credit rating agencies
 - a) Standard & Poor's, Moody's or Fitch

MOODY'S DESCRIPTION OF RATINGS										
de	Aaa	Strongest								
Investment Grade	Aa1/Aa2/Aa3	Very Strong								
westine.	A1/A2/A3	Above-Average								
Ţij.	Baa1/Baa2/Baa3	Average								
ale .	Ba1/Ba2/Ba3	Below-Average								
Below towestness Crade	B1/B2/B3	Weak								
westne.	Caa1/Caa2/Caa3	Very Weak								
dow in	Ca	Extremely Weak								
Be	С	Weakest								

S&P DESCRIPTION OF RATINGS										
86	AAA	Strongest								
In estrent Crade	AA+/AA/AA-	Very Strong								
Westner	A+/A/A-	Above-Average								
III.	BBB+/BBB/BBB-	Average								
, de	BB+/BB/BB-	Below-Average								
art Grise	B+/B/B-	Weak								
vestrie.	CCC+/CCC/CCC-	Very Weak								
Bolow Unestruent Crade	СС	Extremely Weak								
Be.	С	Weakest								



What is EFFECTIVE long range planning?



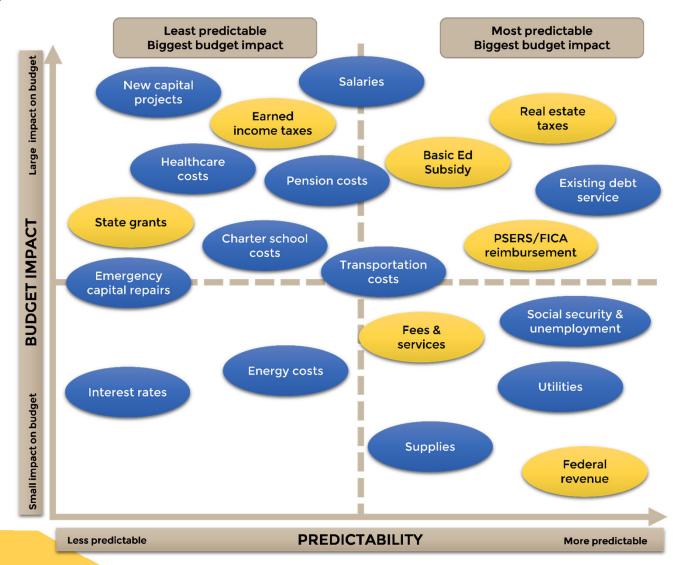
- A guide for the general fiscal direction for an entity
- A planning tool for seeing "what-if" certain events happen
- An early warning system for major fiscal events and challenges
- 4) A living dynamic document



- 5) <u>NOT</u> an absolute predictor of future events
- 6) NOT a stale, static document
- NOT a replacement of the BusinessManager's job/purpose
- 8) NOT (that) difficult to do

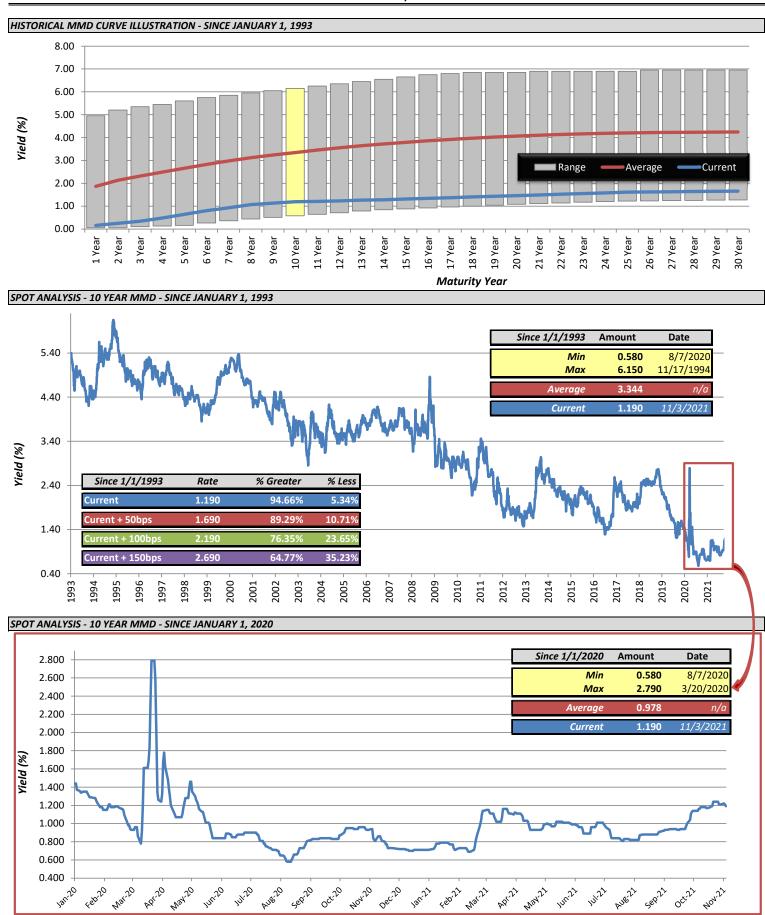


Budget Quadrant



MUNICIPAL MARKET UPDATE

November 3, 2021



Steel Center Career and Technology Center Topics of Discussion

Debt Service Structure

> Illustration assumes pro-rata share of bond issue to be split between member districts based on STEB values. Must confirm provisions in Articles of Agreement.

				Share Stage	Share Stage	
Member District	Moody's	S&P	Share (%)*	1 & 2A (\$)*	2B & 2C (\$)*	Borrowing Capacity
Baldwin-Whitehall	A1	A+	18.70%	\$3,081,480	\$2,392,441	\$90,884,242 (2021)
Bethel Park	Aa2	NA	24.94%	\$4,109,738	\$3,190,774	\$86,596,623 (2016)
Brentwood Borough	NA	A	3.70%	\$609,705	\$473,371	\$31,256,143 (2020)
Clairton City	NA	NA	1.35%	\$222,460	\$172,716	
Duquesne City***	A2 Intercept	NA	0.92%	\$151,602	\$117,703	\$31,850,705 (2021)
Elizabeth Forward	A2	A-	8.25%	\$1,359,476	\$1,055,489	\$71,968,927 (2021)
South Allegheny	NA	A	3.26%	\$537,199	\$417,078	\$28,653,161 (2021)
South Park	NA	A	7.64%	\$1,258,957	\$977,446	\$24,579,681 (2021)
Steel Valley	A2 Intercept	NA	6.81%	\$1,122,186	\$871,258	\$52,904,392 (2019)
West Jefferson Hills**	Aa2	NA	15.02%	\$2,475,071	\$1,921,629	\$16,617,218 (2021)
West Mifflin	Ba1	BBB-	9.41%	\$1,550,627	\$1,203,897	\$35,309,003 (2021)
Total	NA	NA	100.00%	\$16,478,500	\$12,793,800	NA

^{*} Based on 2020 STEB

- Any District has the option to pay cash for their share of the project. Typically, the Technical School would set a date certain for the cash to be deposited into a construction account at the Technical School.
- > Typically, Technical School financings are done as a single issue to share on costs of issuance (1 set vs 11 sets of duplicate costs)
 - Based on Draw Schedule and Reasonable Expectations tests, may require 2 borrowings to align projects with IRS regulations
 - ♦ May utilize a Reimbursement Resolution to assist with early cash flow needs
 - A reimbursement resolution allows the issuer to pay itself back from the bond proceeds for costs related to the project

^{**}Reflects credits against gross indebtedness for a portion of the principal of debt estimated to be reimbursed by State aid.

^{***} Currently under state recievership which may have implications for any borrowing.

Sample Legal Structure- Issue School Lease Revenue Bonds through an Authority

- Pro-rata shares subject to annual appropriation by member districts but does not count against member district's borrowing capacity
- > If one Member District fails to pay, all Member Districts responsible to ensure payment gets made to bond holders
- Pro-rata share may not count against member districts' bank-qualified capacity for the calendar year
- ➤ Higher interest rate than a GO Bond issue

Sample Financing Team

>	Conduit Issuer (if needed)	State Public School Building Authority or other local Authority
>	Borrower	Steel Center Career and Technology Center
>	Bond Counsel	TBD
>	Solicitor	Weiss, Burkhardt, Kramer LLC
>	Financial Advisor	PFM Financial Advisors LLC
>	Underwriter	TBD
>	Trustee	TBD

Sample Timeline – This is for illustrative purposes only

<u>Step 1</u>	
August-September 2022	Districts Approve Borrowing Resolutions
	If a District plans to pay cash, adopt Resolution acknowledging their
	share of the project and acknowledging the CTC financing
August- September 2022	JOC Approves Borrowing Resolution
September- October 2022	Prepare the Preliminary Official Statement for Step 1
November 2022	Bond Pricing (Lock in rates on Step 1)
December 2022	Bond Settlement (Step 1)/ Cash Districts Deposit their Share at the CTC

Sten 2

<u>Step 2</u>	
October-November 2023	Districts Approve Borrowing Resolutions
	If a District plans to pay cash, adopt Resolution acknowledging their
	share of the project and acknowledging the CTC financing
October- November 2023	JOC Approves Borrowing Resolution
November- December 2023	Prepare the Preliminary Official Statement for Step 2
January 2024	Bond Pricing (Lock in rates on Step 2)
February 2024	Bond Settlement (Step 2)/ Cash Districts Deposit their Share at the CTC



Sample Single Borrowing

SERIES OF 2022

Strengthening the Pathways to Success

9/15/2022 Settled 9/15/2022 Dated

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
										PRO-RA	TA LOCAL E	FFORT					
						Baldwin-Whitehall	Bethel Park	Brentwood	Clairton	Duquesne		S. Allegheny	S. Park		V. Jefferson Hills	W. Mifflin	Total
				Semi-Annual	Fiscal Year	SD	Area SD	Boro SD	City SD	,	Forward SD	SD	SD	SD	SD	SD	Local
<u>Date</u>	<u>Principal</u>	Rate**	Interest	Debt Service	Debt Service	Local Effort	Local Effort	Local Effort	Local Effort I	Local Effort	Local Effort	Local Effort	Local Effort	Local Effort	Local Effort	Local Effort	<u>Effort</u>
11/15/2022			178,240.67	178,240.67													
5/15/2023			534,722.00	534,722.00	712,962.67	133,324.02	177,812.89	26.379.62	9.625.00	6.559.26	58.819.42	23.242.58	54.470.35	48.552.76	107.086.99	67.089.79	712.962.67
11/15/2023	1,030,000	3.220		,	,	,	,	,	-,	-,	,		- 1, 11 - 11 - 1	,	,	,	,
5/15/2024			518,139.00	518,139.00	2,082,861.00	389,495.01	519,465.53	77,065.86	28,118.62	19,162.32	171,836.03	67,901.27	159,130.58	141,842.83	312,845.72	195,997.22	2,082,861.00
11/15/2024	1,070,000	3.230	518,139.00	1,588,139.00													
5/15/2025			500,858.50	500,858.50	2,088,997.50	390,642.53	520,995.98	77,292.91	28,201.47	19,218.78	172,342.29	68,101.32	159,599.41	142,260.73	313,767.42	196,574.66	2,088,997.50
11/15/2025	1,100,000	3.230	500,858.50	1,600,858.50													
5/15/2026			483,093.50	483,093.50	2,083,952.00	389,699.02	519,737.63	77,106.22	28,133.35	19,172.36	171,926.04	67,936.84	159,213.93	141,917.13	313,009.59	196,099.88	2,083,952.00
11/15/2026	1,140,000	3.240		1,623,093.50													
5/15/2027 11/15/2027	1 175 000	3.240	464,625.50 464,625.50	464,625.50 1,639,625.50	2,087,719.00	390,403.45	520,677.12	77,245.60	28,184.21	19,207.01	172,236.82	68,059.64	159,501.73	142,173.66	313,575.39	196,454.36	2,087,719.00
5/15/2028	1,175,000	3.240	464,625.50	445,590.50	2,085,216.00	389,935.39	520,052.87	77 152 00	28,150.42	19,183.99	172,030.32	67,978.04	159,310.50	142,003.21	313,199.44	196,218.83	2,085,216.00
11/15/2028	1,220,000	3.290		1,665,590.50	2,000,210.00	309,933.39	320,032.07	77,132.99	20,130.42	19, 100.99	172,030.32	07,970.04	139,310.30	142,005.21	313,199.44	190,210.00	2,003,210.00
5/15/2029	1,220,000	3.230	425,521.50	425,521.50	2,091,112.00	391,037.94	521,523.33	77,371.14	28 230 01	19,238.23	172,516.74	68,170.25	159,760.96	142,404.73	314,085.02	196,773.64	2,091,112.00
11/15/2029	1,255,000	3.350		1,680,521.50	2,001,112.00	001,001.01	021,020.00	,0	20,200.0.	10,200.20	2,00	00,170.20	.00,.00.00	2,	011,000.02	100,110.01	2,001,112.00
5/15/2030	,,200,000	0.000	404,500.25	404,500.25	2,085,021.75	389,899.07	520,004.42	77,145.80	28.147.79	19.182.20	172,014.29	67.971.71	159,295.66	141.989.98	313.170.27	196,200.55	2,085,021.75
11/15/2030	1,300,000	3.420		1,704,500.25	,,-	,	,	,	-,	,	,-	,,,	,	,	,	,	,,-
5/15/2031			382,270.25	382,270.25	2,086,770.50	390,226.08	520,440.56	77,210.51	28,171.40	19,198.29	172,158.57	68,028.72	159,429.27	142,109.07	313,432.93	196,365.10	2,086,770.50
11/15/2031	1,350,000	3.500	382,270.25	1,732,270.25													
5/15/2032			358,645.25	358,645.25	2,090,915.50	391,001.20	521,474.33	77,363.87	28,227.36	19,236.42	172,500.53	68,163.85	159,745.94	142,391.35	314,055.51	196,755.15	2,090,915.50
11/15/2032	1,395,000	3.580		1,753,645.25													
5/15/2033			333,674.75	333,674.75	2,087,320.00	390,328.84	520,577.61	77,230.84	28,178.82	19,203.34	172,203.90	68,046.63	159,471.25	142,146.49	313,515.46	196,416.81	2,087,320.00
11/15/2033	1,450,000	3.650		1,783,674.75													
5/15/2034	4 505 000	0.000	307,212.25	307,212.25	2,090,887.00	390,995.87	521,467.22	77,362.82	28,226.97	19,236.16	172,498.18	68,162.92	159,743.77	142,389.40	314,051.23	196,752.47	2,090,887.00
11/15/2034 5/15/2035	1,505,000	3.690	279.445.00	1,812,212.25 279,445.00	2.091.657.25	391,139.91	521.659.32	77 201 22	20 227 27	19.243.25	172.561.72	68.188.03	159.802.61	142.441.86	314.166.92	196.824.95	2 004 657 25
11/15/2035	1,550,000	3.740	-,	1,829,445.00	2,091,057.25	391,139.91	521,059.32	77,391.32	20,231.31	19,243.23	172,561.72	00,100.03	159,602.61	142,441.00	314,100.92	190,024.93	2,091,657.25
5/15/2036	1,000,000	3.740	250,460.00	250,460.00	2,079,905.00	388,942.24	518,728.31	76 956 49	28,078.72	19,135.13	171,592.16	67,804.90	158,904.74	141,641.53	312,401.73	195,719.06	2,079,905.00
11/15/2036	1.610.000	3.800		1,860,460.00	2,070,000.00	000,042.24	010,720.01	70,000.40	20,010.12	10, 100. 10	17 1,002.10	07,004.00	100,004.74	141,041.00	012,401.70	100,1 10.00	2,070,000.00
5/15/2037	,,		219,870.00	219,870.00	2,080,330.00	389,021.71	518,834.30	76,972.21	28,084.46	19,139.04	171,627.23	67,818.76	158,937.21	141,670.47	312,465.57	195,759.05	2,080,330.00
11/15/2037	1,680,000	3.850	219,870.00	1,899,870.00	,,		,	-,-	-,	.,	,-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	,-	,	,	,,
5/15/2038			187,530.00	187,530.00	2,087,400.00	390,343.80	520,597.56	77,233.80	28,179.90	19,204.08	172,210.50	68,049.24	159,477.36	142,151.94	313,527.48	196,424.34	2,087,400.00
11/15/2038	1,745,000	3.890	187,530.00	1,932,530.00													
5/15/2039			153,589.75	153,589.75	2,086,119.75	390,104.39	520,278.27	77,186.43	28,162.62	19,192.30	172,104.88	68,007.50	159,379.55	142,064.75	313,335.19	196,303.87	2,086,119.75
11/15/2039	1,815,000	3.930															
5/15/2040			117,925.00	117,925.00	2,086,514.75	390,178.26	520,376.78	77,201.05	28,167.95	19,195.94	172,137.47	68,020.38	159,409.73	142,091.65	313,394.52	196,341.04	2,086,514.75
11/15/2040	1,880,000	3.970		1,997,925.00	0.070.500.00	000 005 40	540 005 00	70.005.00	00 000 10	10 100 10	474 470 00	07 700 44	450 700 04	444 540 00	040 405 54	405 500 00	0.070.500.00
5/15/2041	1.060.000	4.040	80,607.00	80,607.00	2,078,532.00	388,685.48	518,385.88	76,905.68	28,060.18	19,122.49	171,478.89	67,760.14	158,799.84	141,548.03	312,195.51	195,589.86	2,078,532.00
11/15/2041 5/15/2042	1,960,000	4.010	41.309.00	2,040,607.00 41,309.00	2,081,916.00	389,318.29	519,229.85	77,030.89	28 105 97	19,153.63	171.758.07	67.870.46	159,058.38	141.778.48	312.703.78	195,908.30	2,081,916.00
11/15/2042	2,045,000	4.040	,	2,086,309.00	2,001,910.00	309,310.29	018,228.05	11,030.09	20,100.07	18, 133.03	17 1,730.07	01,010.40	108,000.38	141,110.48	312,103.18	190,900.30	۷۵۱٫۵۱ و,۱۵۷
5/15/2043	2,040,000	7.070	+1,000.00	2,000,000.00	2,086,309.00	390.139.78	520.325.46	77 193 43	28.165.17	19.194.04	172.120.49	68.013.67	159.394.01	142.077.64	313.363.61	196,321.68	2,086,309.00
0,10,2040					_,000,000.00	000,100.70	520,525.40	. 1,100.40	_5,100.17	.5,101.04	. , 2, , 20.70	30,010.01	. 50,00-1.01	. 12,011.04	010,000.01	. 50,02 1.00	2,000,000.00
TOTALS	29,275,000	1	3,157,418.67	42,432,418.67	42,432,418.67	7,934,862.29	10,582,645.22	1,569,999.49	572,837.65	390,378.25	3,500,674.54	1,383,296.85	3,241,836.79	2,889,647.71	6,373,349.28	3,992,890.60	42,432,418.67
					'												

Actual rates to be determined at the time of pricing

Depending on draw schedule, borrowing may be split into 2 issuances to comply with IRS reasonable expectations tests.

Estimated Pro-Rata Share* 18.70% 24.94% 3.70% 1.35% 0.92% 8.25% 3.26% 7.64% 6.81% 15.02% 9.41% * Based on 2020 STEB Market Values AR% (2021-2022) or 50% 57.48% 65.57% 63.88% 50.00% 74.26% 86.80% 90.48% 68.06% 81.71% 63.37% 62.64% ** For illustrative planning purposes. Not a rate quote. 0.00% PE% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%



Sample 2 Step Plan

	1	2	3	4	5	6	7	8	9	10	11	
					A SHARE							
	Baldwin-Whitehall Bethel Park Brentwood Clairton Duquesne Elizabeth Forwa					Elizabeth Forward	S. Allegheny	S. Park	Steel Valley	W. Jefferson	W. Mifflin	
Est. Bond Proceeds	\$5,474,425	\$7,301,185	\$1,083,175	\$395,213	\$269,330	\$2,415,188	\$954,365	\$2,236,610	\$1,993,628	\$4,397,105	\$2,754,778	
Est. Pro Rata Share	18.70%	24.94%	3.70%	1.35%	0.92%	8.25%	3.26%	7.64%	6.81%	15.02%	9.41%	
20077071414 071470	10.7070	21.0170	0.1070	1.0070	0.0270	0.2070	0.2070	7.0170	0.0170	10.0270	0.1170	
											<u> </u>	
12	13	14	15	16	17	18	19	20	21	22	23	
Fiscal	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	
Year	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	
Ending	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	
6/30/2022												
6/30/2023	75,061	100,108	14,852	5,419	3,693	33,115	13,086	30,667	27,335	60,290	37,771	
6/30/2024	219,306	292,486	43,392	15,832	10,789	96,753	38,232	89,599	79,865	176,148	110,357	
6/30/2025	328,761	438,465	65,049	23,734	16,174	145,042	57,313	134,317	119,725	264,064	165,435	
6/30/2026	389,757	519,815	77,118	28,138	19,175	171,952	67,947	159,238	141,938	313,056	196,129	
6/30/2027	389,732	519,781	77,113	28,136	19,174	171,940	67,943	159,227	141,929	313,036	196,116	
6/30/2028	389,485	519,452	77,064	28,118	19,162	171,831	67,899	159,126	141,839	312,837	195,992	
6/30/2029	389,909	520,018	77,148	28,149	19,183	172,019	67,973	159,300	141,994	313,178	196,205	
6/30/2030	390,014	520,157	77,169	28,156	19,188	172,065	67,992	159,343	142,032	313,262	196,258	
6/30/2031	389,761	519,820	77,118	28,138	19,175	171,953	67,948	159,239	141,940	313,059	196,131	
6/30/2032	390,936	521,388	77,351	28,223	19,233	172,472	68,153	159,719	142,368	314,003	196,722	
6/30/2033	389,772	519,835	77,121	28,139	19,176	171,958	67,950	159,244	141,944	313,068	196,137	
6/30/2034	390,911	521,353	77,346	28,221	19,232	172,461	68,148	159,709	142,358	313,983	196,710	
6/30/2035	390,591	520,927	77,283	28,198	19,216	172,320	68,092	159,578	142,242	313,726	196,549	
6/30/2036	390,692	521,062	77,303	28,205	19,221	172,364	68,110	159,620	142,279	313,807	196,600	
6/30/2037	390,257	520,482	77,217	28,174	19,200	172,172	68,034	159,442	142,120	313,458	196,381	
6/30/2038	390,204	520,412	77,206	28,170	19,197	172,149	68,025	159,420	142,101	313,415	196,354	
6/30/2039	389,575	519,573	77,082	28,124	19,166	171,872	67,915	159,163	141,872	312,910	196,038	
6/30/2040	391,119	521,631	77,387	28,236	19,242	172,552	68,184	159,794	142,434	314,150	196,814	
6/30/2041	390,144	520,331	77,194	28,165	19,194	172,122	68,014	159,396	142,079	313,367	196,324	
6/30/2042	390,387	520,656	77,242	28,183	19,206	172,230	68,057	159,495	142,168	313,563	196,446	
6/30/2043	389,942	520,061	77,154	28,151	19,184	172,033	67,979	159,313	142,006	313,205	196,222	
6/30/2044	170,806	227,802	33,796	12,331	8,403	75,356	29,777	69,784	62,203	137,193	85,951	
6/30/2045	170,746	227,722	33,784	12,327	8,400	75,329	29,766	69,759	62,181	137,144	85,921	
TOTAL	7,987,868	10,653,339	1,580,487	576,664	392,986	3,524,060	1,392,537	3,263,493	2,908,951	6,415,924	4,019,564	

Notes:

Assumes borrowing is split into 2 issuances to comply with IRS reasonable expectations tests.

Bonds must be issued in \$5,000 increments. Therefore totals may vary slightly from cash allocations.

^{*} Based on 2020 STEB Market Values

^{**} For illustrative planning purposes. Not a rate quote.

Actual rates to be determined at the time of pricing

SERIES OF 2022

Strengthening the Pathways to Success- Stage 1 & 2A

																Dated Dated	9/15/2022
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	_	_	•	_	_		-			PRO-RA	TA LOCAL E						1
					Proposed	Baldwin-Whitehall	Bethel Park	Brentwood	Clairton	Duquesne	Elizabeth	S. Allegheny	S. Park	Steel Valley W	/. Jefferson Hills	W. Mifflin	Total
				Semi-Annual	Fiscal Year	SD	Area SD	Boro SD	City SD	City SD	Forward SD	SD	SD	SD	SD	SD	Local
<u>Date</u>	<u>Principal</u>	Rate**	Interest	Debt Service	Debt Service	Local Effort	Local Effort	Local Effort	Local Effort	Local Effort	Local Effort	Local Effort	Local Effort	Local Effort	Local Effort	Local Effort	<u>Effort</u>
																	l
11/15/2022			100,349.33	100,349.33													l
5/15/2023	=00.000		301,048.00	301,048.00	401,397.33	75,061.30	100,108.49	14,851.70	5,418.86	3,692.86	33,115.28	13,085.55	30,666.76	27,335.16	60,289.88	37,771.49	401,397.33
11/15/2023 5/15/2024	580,000	3.220	301,048.00 291,710.00	881,048.00	1 170 750 00	240 205 75	292,485.85	43,392.05	15 020 02	10 700 27	96,752.54	38,231.91	89,598.71	79,864.82	176 140 05	110 256 52	1,172,758.00
11/15/2024	600.000	3.230	291,710.00	291,710.00 891,710.00	1,172,758.00	219,305.75	292,400.00	43,392.05	15,832.23	10,789.37	96,752.54	30,231.91	09,590.71	79,004.02	176,148.25	110,356.53	1,172,756.00
5/15/2025	000,000	3.230	282,020.00	282,020.00	1,173,730.00	219,487.51	292,728.26	43 428 N1	15,845.36	10 708 32	96,832.73	38,263.60	89,672.97	79,931.01	176,294.25	110,447.99	1,173,730.00
11/15/2025	620,000	3.230	282,020.00	902,020.00	1,170,700.00	213,407.51	232,720.20	40,420.01	10,040.00	10,730.02	30,002.73	30,203.00	05,072.57	73,331.01	170,254.25	110,447.55	1,170,700.00
5/15/2026	,		272,007.00	272,007.00	1,174,027.00	219,543.05	292,802.33	43,439.00	15,849.36	10,801.05	96,857.23	38,273.28	89,695.66	79,951.24	176,338.86	110,475.94	1,174,027.00
11/15/2026	640,000	3.240	272,007.00	912,007.00	, ,-	.,.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	.,.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		,	-,	.,	,	
5/15/2027			261,639.00	261,639.00	1,173,646.00	219,471.80	292,707.31	43,424.90	15,844.22	10,797.54	96,825.80	38,260.86	89,666.55	79,925.29	176,281.63	110,440.09	1,173,646.00
11/15/2027	660,000	3.240	261,639.00	921,639.00													
5/15/2028			250,947.00	250,947.00	1,172,586.00	219,273.58	292,442.95	43,385.68	15,829.91	10,787.79	96,738.35	38,226.30	89,585.57	79,853.11	176,122.42	110,340.34	1,172,586.00
11/15/2028	685,000	3.290	250,947.00	935,947.00	== ==	040.040.00	000 004 00	10 100 15	45.070.05	40.045.70	00 000 10	00 005 40	00 017 01	00 000 11	170 570 00		
5/15/2029	705.000	0.050	239,678.75	239,678.75	1,175,625.75	219,842.02	293,201.06	43,498.15	15,870.95	10,815.76	96,989.12	38,325.40	89,817.81	80,060.11	176,578.99	110,626.38	1,175,625.75
11/15/2029 5/15/2030	705,000	3.350	239,678.75	944,678.75	4 470 540 75	040 000 00	200 422 66	40 004 00	45 000 44	40 707 45	00 705 07	20 225 20	00 500 70	70.050.57	470 440 00	440 000 04	4 470 540 75
11/15/2030	730,000	3.420	227,870.00 227,870.00	227,870.00 957,870.00	1,172,548.75	219,266.62	292,433.66	43,384.30	15,829.41	10,787.45	96,735.27	38,225.09	89,582.72	79,850.57	176,116.82	110,336.84	1,172,548.75
5/15/2031	730,000	3.420	215,387.00	215,387.00	1,173,257.00	219,399.06	292,610.30	43,410.51	15,838.97	10,793.96	96,793.70	38,248.18	89,636.83	79,898.80	176,223.20	110,403.48	1,173,257.00
11/15/2031	760,000	3.500	215,387.00	975,387.00	1,170,207.00	210,000.00	202,010.00	40,410.01	10,000.01	10,700.00	00,700.70	00,240.10	00,000.00	70,000.00	110,220.20	110,100.10	1,170,207.00
5/15/2032	. 00,000	0.000	202,087.00	202,087.00	1,177,474.00	220,187.64	293,662.02	43,566.54	15,895.90	10,832.76	97,141.61	38,385.65	89,959.01	80,185.98	176,856.59	110,800.30	1,177,474.00
11/15/2032	785,000	3.580	202,087.00	987,087.00		,	,	,	,	,	,	•	,	ŕ	,	,	1
5/15/2033			188,035.50	188,035.50	1,175,122.50	219,747.91	293,075.55	43,479.53	15,864.15	10,811.13	96,947.61	38,308.99	89,779.36	80,025.84	176,503.40	110,579.03	1,175,122.50
11/15/2033	815,000	3.650	188,035.50	1,003,035.50													
5/15/2034			173,161.75	173,161.75	1,176,197.25	219,948.89	293,343.59	43,519.30	15,878.66	10,821.01	97,036.27	38,344.03	89,861.47	80,099.03	176,664.83	110,680.16	1,176,197.25
11/15/2034	845,000	3.690	173,161.75														l
5/15/2035	075 000	0.740	157,571.50	157,571.50	1,175,733.25	219,862.12	293,227.87	43,502.13	15,872.40	10,816.75	96,997.99	38,328.90	89,826.02	80,067.43	176,595.13	110,636.50	1,175,733.25
11/15/2035 5/15/2036	875,000	3.740	157,571.50 141,209.00		1 172 700 E0	240 406 05	202 740 96	42 420 00	15 046 04	10 700 70	06 036 00	20 205 24	00 676 02	70.024.45	176 201 02	110 450 75	1 172 700 50
11/15/2036	910,000	3.800	,	141,209.00 1,051,209.00	1,173,780.50	219,496.95	292,740.86	43,429.88	15,846.04	10,798.78	96,836.89	38,265.24	89,676.83	79,934.45	176,301.83	110,452.75	1,173,780.50
5/15/2037	310,000	0.000	123,919.00	123,919.00	1,175,128.00	219,748.94	293,076.92	43,479.74	15,864.23	10,811.18	96,948.06	38,309.17	89,779.78	80,026.22	176,504.23	110,579.54	1,175,128.00
11/15/2037	945,000	3.850	123,919.00	1.068.919.00	1,170,120.00	210,140.04	200,070.02	40,470.74	10,004.20	10,011.10	00,040.00	00,000.11	00,770.70	00,020.22	170,004.20	110,010.04	1,170,120.00
5/15/2038	,		105,727.75	105,727.75	1,174,646.75	219,658.94	292,956.90	43,461.93	15,857.73	10,806.75	96,908.36	38,293.48	89,743.01	79,993.44	176,431.94	110,534.26	1,174,646.75
11/15/2038	980,000	3.890	105,727.75	1,085,727.75		·											1
5/15/2039			86,666.75	86,666.75	1,172,394.50	219,237.77	292,395.19	43,378.60	15,827.33	10,786.03	96,722.55	38,220.06	89,570.94	79,840.07	176,093.65	110,322.32	1,172,394.50
11/15/2039	1,025,000	3.930	86,666.75	1,111,666.75													l
5/15/2040			66,525.50	66,525.50	1,178,192.25	220,321.95	293,841.15	43,593.11	15,905.60	10,839.37	97,200.86	38,409.07	90,013.89	80,234.89	176,964.48	110,867.89	1,178,192.25
11/15/2040	1,065,000	3.970	•	1,131,525.50													l
5/15/2041		4 0 4 0	45,385.25	45,385.25	1,176,910.75	220,082.31	293,521.54	43,545.70	15,888.30	10,827.58	97,095.14	38,367.29	89,915.98	80,147.62	176,771.99	110,747.30	1,176,910.75
11/15/2041 5/15/2042	1,105,000	4.010	45,385.25 23,230.00	1,150,385.25 23,230.00	1,173,615.25	219,466.05	292,699.64	43,423.76	15,843.81	10,797.26	96,823.26	38,259.86	89,664.21	79,923.20	176,277.01	110,437.20	1,173,615.25
11/15/2042	1,150,000	4.040	23,230.00		1,173,015.25	219,400.05	292,099.04	43,423.76	15,043.01	10,797.20	90,023.20	30,239.00	09,004.21	79,923.20	170,277.01	110,437.20	1,173,015.25
5/15/2043	1, 100,000	7.040	20,200.00	1,170,200.00	1,173,230.00	219,394.01	292.603.56	43 409 51	15,838.61	10.793.72	96.791.48	38,247.30	89.634.77	79,896.96	176 219 15	110,400.94	1,173,230.00
5, 15, 2040					1,110,200.00	210,004.01	202,000.00	-10,-100.01	10,000.01	10,100.12	55,751.40	55, <u>≥</u> ∓1.50	55,554.11	70,000.00	110,210.10	110, 100.04	., 17 0,200.00
																	l
TOTALS '	16,480,000		7,412,000.83	23,892,000.83	23,892,000.83	4,467,804.16	5,958,665.01	884,004.03	322,542.01	219,806.41	1,971,090.07	778,879.23	1,825,348.86	1,627,045.26	3,588,578.53	2,248,237.28	23,892,000.83
							-										

Actual rates to be determined at the time of pricing

Depending on draw schedule, borrowing may be split into 2 issuances to comply with IRS reasonable expectations tests.

Settled

9/15/2022

Estimated Pro-Rata Share* 18.70% 24.94% 3.70% 1.35% 0.92% 8.25% 3.26% 7.64% 6.81% 15.02% 9.41% AR% (2021-2022) or 50% 63.88% 57.48% 65.57% * Based on 2020 STEB Market Values 50.00% 74.26% 86.80% 90.48% 68.06% 81.71% 63.37% 62.64% ** For illustrative planning purposes. Not a rate quote. PE% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%

SERIES OF 2024

Strengthening the Pathways to Success- Stage 2B & 2C

Settled 2/15/2024 Dated 2/15/2024

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
										PRO-RA	TA LOCAL E	FFORT					
						Baldwin-Whitehall	Bethel Park	Brentwood		Duquesne		S. Allegheny	S. Park	,	V. Jefferson Hills	W. Mifflin	Total
				Semi-Annual	Fiscal Year	SD	Area SD	Boro SD	City SD	City SD	Forward SD	SD	SD	SD	SD	SD	Local
<u>Date</u>	<u>Principal</u>	Rate**	<u>Interest</u>	Debt Service	Debt Service	Local Effort	Local Effort	Local Effort	Local Effort L	ocal Effort	Local Effort	Local Effort	<u>Effort</u>				
11/15/2024			350,610.75	350,610.75													
5/15/2025			233,740.50	233,740.50	584,351.25	109,273.68	145,737.20	21,621.00	7.888.74	5.376.03	48,208.98	19,049.85	44.644.44	39.794.32	87.769.56	54,987.45	584,351.25
11/15/2025	450,000	3.220	233,740.50	683,740.50	ŕ	•	,	,	,	•	,	,	,	,	ŕ	•	,
5/15/2026			226,495.50	226,495.50	910,236.00	170,214.13	227,012.86	33,678.73	12,288.19	8,374.17	75,094.47	29,673.69	69,542.03	61,987.07	136,717.45	85,653.21	910,236.00
11/15/2026	465,000	3.230	226,495.50	691,495.50													
5/15/2027			218,985.75	218,985.75	910,481.25	170,259.99	227,074.02	33,687.81	12,291.50	8,376.43	75,114.70	29,681.69	69,560.77	62,003.77	136,754.28	85,676.29	910,481.25
11/15/2027	480,000	3.230	218,985.75	698,985.75													
5/15/2028			211,233.75	211,233.75	910,219.50	170,211.05	227,008.74	33,678.12	12,287.96	8,374.02	75,093.11	29,673.16	69,540.77	61,985.95	136,714.97	85,651.65	910,219.50
11/15/2028	495,000	3.240	211,233.75	706,233.75													
5/15/2029	E4E 000	0.040	203,214.75	203,214.75	909,448.50	170,066.87	226,816.46	33,649.59	12,277.55	8,366.93	75,029.50	29,648.02	69,481.87	61,933.44	136,599.16	85,579.10	909,448.50
11/15/2029 5/15/2030	515,000	3.240	203,214.75 194,871.75	718,214.75 194,871.75	012 096 50	170.747.18	227.723.77	33.784.20	12.326.67	8.400.40	75 220 64	29.766.62	69.759.81	60 101 10	137.145.59	85,921.44	913,086.50
11/15/2030	530,000	3.290	194,871.75	•	913,086.50	170,747.10	221,123.11	33,764.20	12,320.07	0,400.40	75,329.64	29,766.62	09,759.61	62,181.19	137,145.59	05,921.44	913,000.50
5/15/2031	530,000	3.290	186,153.25	724,871.75 186,153.25	911,025.00	170,361.68	227,209.64	33,707.93	12,298.84	8,381.43	75,159.56	29,699.42	69,602.31	62,040.80	136,835.96	85,727.45	911,025.00
11/15/2031	550,000	3.350	186,153.25	736,153.25	311,020.00	170,001.00	227,200.04	55,767.55	12,230.04	0,001.40	70,100.00	20,000.42	03,002.31	02,040.00	100,000.00	05,727.40	311,023.00
5/15/2032	330,000	3.330	176,940.75	176,940.75	913,094.00	170,748.58	227,725.64	33,784.48	12,326.77	8.400.46	75,330.26	29,766.86	69,760.38	62,181.70	137,146.72	85,922.15	913,094.00
11/15/2032	565.000	3.420	176,940.75	741,940.75	310,004.00	170,740.00	221,120.04	33,704.40	12,020.77	0,400.40	70,000.20	23,700.00	03,700.30	02,101.70	107,140.72	00,022.10	310,034.00
5/15/2033	000,000	0.120	167,279.25	167,279.25	909,220.00	170,024.14	226,759.47	33,641.14	12.274.47	8,364.82	75,010.65	29,640.57	69,464.41	61,917.88	136,564.84	85,557.60	909,220.00
11/15/2033	590,000	3.500	167,279.25	757,279.25	000,==0.00	,	,	,	,	-,	,			.,	,		,==
5/15/2034	,		156,954.25	156,954.25	914,233.50	170,961.66	228,009.83	33,826.64	12,342.15	8,410.95	75,424.26	29,804.01	69,847.44	62,259.30	137,317.87	86,029.37	914,233.50
11/15/2034	610,000	3.580	156,954.25	766,954.25													
5/15/2035			146,035.25	146,035.25	912,989.50	170,729.04	227,699.58	33,780.61	12,325.36	8,399.50	75,321.63	29,763.46	69,752.40	62,174.58	137,131.02	85,912.31	912,989.50
11/15/2035	635,000	3.650	146,035.25	781,035.25													
5/15/2036			134,446.50	134,446.50	915,481.75	171,195.09	228,321.15	33,872.82	12,359.00	8,422.43	75,527.24	29,844.71	69,942.81	62,344.31	137,505.36	86,146.83	915,481.75
11/15/2036	655,000	3.690	134,446.50	789,446.50													
5/15/2037			122,361.75	122,361.75	911,808.25	170,508.14	227,404.98	33,736.91	12,309.41	8,388.64	75,224.18	29,724.95	69,662.15	62,094.14	136,953.60	85,801.16	911,808.25
11/15/2037	680,000	3.740	122,361.75	802,361.75													
5/15/2038	705.000	2 000	109,645.75	109,645.75	912,007.50	170,545.40	227,454.67	33,744.28	12,312.10	8,390.47	75,240.62	29,731.44	69,677.37	62,107.71	136,983.53	85,819.91	912,007.50
11/15/2038	705,000	3.800	109,645.75	814,645.75	040 000 50	470 007 05	007 477 50	22 702 47	40 007 40	0 200 25	75 440 00	00 005 00	00 500 40	CO 020 05	400 040 05	05 745 00	040 000 50
5/15/2039 11/15/2039	735,000	3.850	96,250.75 96,250.75	96,250.75 831,250.75	910,896.50	170,337.65	227,177.59	33,703.17	12,297.10	8,380.25	75,148.96	29,695.23	69,592.49	62,032.05	136,816.65	85,715.36	910,896.50
5/15/2040	733,000	3.000	82,102.00	82,102.00	913,352.75	170,796.96	227,790.18	33,794.05	12,330.26	8.402.85	75,351.60	29,775.30	69,780.15	62,199.32	137,185.58	85,946.49	913,352.75
11/15/2040	760.000	3.890	82,102.00	842,102.00	010,002.70	170,730.30	221,130.10	33,734.03	12,000.20	0,402.00	70,001.00	25,775.50	03,700.10	02,133.02	107,100.00	00,040.40	310,002.70
5/15/2041	700,000	0.000	67,320.00	67,320.00	909,422.00	170,061.91	226,809.85	33,648.61	12,277.20	8,366.68	75,027.32	29,647.16	69,479.84	61,931.64	136,595.18	85,576.61	909,422.00
11/15/2041	795,000	3.930	67,320.00	862,320.00		,	,	,	,	-,	,			.,	,		,
5/15/2042			51,698.25	51,698.25	914,018.25	170,921.41	227,956.15	33,818.68	12,339.25	8,408.97	75,406.51	29,796.99	69,830.99	62,244.64	137,285.54	86,009.12	914,018.25
11/15/2042	825,000	3.970	51,698.25	876,698.25													
5/15/2043			35,322.00	35,322.00	912,020.25	170,547.79	227,457.85	33,744.75	12,312.27	8,390.59	75,241.67	29,731.86	69,678.35	62,108.58	136,985.44	85,821.11	912,020.25
11/15/2043	860,000	4.010	35,322.00	895,322.00													
5/15/2044			18,079.00	18,079.00	913,401.00	170,805.99	227,802.21	33,795.84	12,330.91	8,403.29	75,355.58	29,776.87	69,783.84	62,202.61	137,192.83	85,951.03	913,401.00
11/15/2044	895,000	4.040	18,079.00	913,079.00													
5/15/2045					913,079.00	170,745.77	227,721.90	33,783.92	12,326.57	8,400.33	75,329.02	29,766.38	69,759.24	62,180.68	137,144.47	85,920.73	913,079.00
TOTALS 1	2 705 000		6 020 072 25	10 000 070 05	18,823,872.25	3,520,064.11	4,694,673.74	606 402 27	25/ 122 20 -	172 170 62	1 552 060 46	613,658.24	1 120 112 01	1 201 005 70	2,827,345.61	771 226 20	10 000 070 05
TOTALS 1	2,730,000		0,020,012.25	10,023,012.23	10,023,012.23	3,020,004.11	4,094,073.74	030,403.27	204, 122.20	113,118.02	1,552,808.40	013,030.24	1,430,143.04	1,201,800.70	2,021,340.01	,111,320.30	10,023,012.23

* Based on 2020 STEB Market Values	
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Estimated Pro-Rata Share* 18.70% 24.94% 3.70% 1.35% 0.92% 8.25% 3.26% 7.64% 6.81% 15.02% 9.41% AR% (2021-2022) or 50% 65.57% 63.88% 50.00% 74.26% 86.80% 90.48% 81.71% 63.37% 62.64% 57.48% 68.06% ** For illustrative planning purposes. Not a rate quote. 0.00% 0.00% 0.00% 0.00% PE% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%

Actual rates to be determined at the time of pricing

Depending on draw schedule, borrowing may be split into 2 issuances to comply with IRS reasonable expectations tests.



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