

## SAVINGS

### Philadelphia Water Department Water and Wastewater Revenue Bonds, Series 2023BC FINAL NUMBERS

<i>Date</i>	<i>Prior Debt Service</i>	<i>Refunding Debt Service</i>	<i>Savings</i>	<i>Present Value to 09/28/2023 @ 3.5618677%</i>
06/30/2024	2,704,367.26	1,992,293.75	712,073.51	714,000.70
06/30/2025	8,808,061.76	8,539,000.00	269,061.76	237,697.11
06/30/2026	10,166,471.06	9,896,625.00	269,846.06	225,573.43
06/30/2027	10,161,819.18	9,892,375.00	269,444.18	216,604.15
06/30/2028	7,812,135.50	7,539,000.00	273,135.50	217,814.84
06/30/2029	37,312,267.93	37,042,250.00	270,017.93	50,295.43
06/30/2030	7,037,566.03	6,766,750.00	270,816.03	195,388.23
06/30/2031	7,990,525.15	7,718,125.00	272,400.15	186,760.57
06/30/2032	6,675,811.38	6,404,750.00	271,061.38	181,413.12
06/30/2033	5,216,676.51	4,943,250.00	273,426.51	182,479.21
06/30/2034	2,125,869.41	1,852,125.00	273,744.41	189,089.68
06/30/2035	2,081,471.53	1,810,375.00	271,096.53	180,865.55
06/30/2036	6,427,078.88	6,156,125.00	270,953.88	165,954.70
06/30/2037	7,495,134.86	7,225,125.00	270,009.86	157,383.18
06/30/2038	7,498,841.03	7,226,250.00	272,591.03	153,251.08
	129,514,097.47	125,004,418.75	4,509,678.72	3,254,570.99

#### Savings Summary

PV of savings from cash flow	3,254,570.99
Plus: Refunding funds on hand	1,583.78
	3,256,154.77
Net PV Savings	3,256,154.77

## SUMMARY OF BONDS REFUNDED

### Philadelphia Water Department Water and Wastewater Revenue Bonds, Series 2023BC FINAL NUMBERS

<i>Bond</i>	<i>Maturity Date</i>	<i>Interest Rate</i>	<i>Par Amount</i>	<i>Call Date</i>	<i>Call Price</i>
Water and Wastewater Revenue Bonds, Series 2019A, 2019A, BOND:					
	10/01/2024	3.117%	2,390,000.00		
	10/01/2025	3.185%	3,845,000.00		
	10/01/2026	3.305%	3,975,000.00		
	10/01/2027	3.399%	1,720,000.00		
	10/01/2028	3.549%	185,000.00		
	10/01/2029	3.599%	1,435,000.00		
	10/01/2030	3.719%	2,460,000.00	10/01/2029	100.000
	10/01/2031	3.899%	1,215,000.00	10/01/2029	100.000
	10/01/2032	3.999%	1,210,000.00	10/01/2029	100.000
	10/01/2033	4.049%	1,210,000.00	10/01/2029	100.000
	10/01/2034	4.099%	1,215,000.00	10/01/2029	100.000
			20,860,000.00		
Water and Wastewater Revenue Bonds, Series 2019A, 2019A, TERM37:					
	10/01/2037	4.189%	20,090,000.00	10/01/2029	100.000
Water and Wastewater Revenue Refunding Bonds, Series 2020B, 2020B, BOND:					
	11/01/2024	1.011%	3,770,000.00		
	11/01/2025	1.261%	3,815,000.00		
	11/01/2026	1.486%	3,860,000.00		
	11/01/2027	1.586%	3,920,000.00		
	11/01/2028	1.734%	35,325,000.00		
	11/01/2029	1.884%	4,175,000.00		
	11/01/2030	1.934%	4,255,000.00		
	11/01/2031	2.034%	4,340,000.00	11/01/2030	100.000
	11/01/2032	2.134%	3,010,000.00	11/01/2030	100.000
			66,470,000.00		
			107,420,000.00		

## SAVINGS

### Philadelphia Water Department Tender Refunding

<i>Date</i>	<i>Prior Debt Service</i>	<i>Refunding Debt Service</i>	<i>Savings</i>	<i>Present Value to 11/13/2024 @ 3.6682692%</i>
06/30/2025	6,767,274.05	4,422,300.00	2,344,974.05	2,318,569.06
06/30/2026	13,534,548.10	14,741,000.00	-1,206,451.90	-1,163,211.13
06/30/2027	13,534,548.10	14,741,000.00	-1,206,451.90	-1,121,687.28
06/30/2028	19,410,562.50	17,188,250.00	2,222,312.50	2,047,258.97
06/30/2029	17,539,034.85	17,901,250.00	-362,215.15	-286,594.09
06/30/2030	39,361,992.80	39,758,000.00	-396,007.20	-404,638.59
06/30/2031	45,880,007.50	45,748,125.00	131,882.50	15,395.99
06/30/2032	50,414,674.78	50,706,375.00	-291,700.22	-336,890.25
06/30/2033	30,574,882.23	27,376,250.00	3,198,632.23	2,418,369.52
06/30/2034	29,047,836.90	25,999,500.00	3,048,336.90	2,218,059.18
06/30/2035	35,360,209.98	31,861,250.00	3,498,959.98	2,486,179.85
06/30/2036	29,873,892.83	26,817,250.00	3,056,642.83	2,128,818.13
06/30/2037	15,297,141.45	12,827,625.00	2,469,516.45	1,641,194.85
06/30/2038	34,548,865.00	32,076,500.00	2,472,365.00	1,661,036.34
06/30/2039	37,229,761.30	34,182,375.00	3,047,386.30	1,942,714.36
06/30/2040	29,800,805.85	27,119,500.00	2,681,305.85	1,670,472.51
06/30/2041	17,360,319.30	15,088,000.00	2,272,319.30	1,338,897.06
	465,536,357.52	438,554,550.00	26,981,807.52	18,573,944.51

### Savings Summary

PV of savings from cash flow	18,573,944.51
Plus: Refunding funds on hand	837.21
	18,574,781.72
Net PV Savings	18,574,781.72

**SUMMARY OF BONDS REFUNDED****Philadelphia Water Department  
Water and Wastewater Revenue Bonds, Series 2024C  
FINAL NUMBERS**

<i>Bond</i>	<i>Maturity Date</i>	<i>Interest Rate</i>	<i>Par Amount</i>	<i>Call Date</i>	<i>Call Price</i>
Water and Wastewater Revenue Bonds, Series 2015B, 2015B, BOND:					
	07/01/2028	5.000%	3,755,000	11/13/2024	101.465
	07/01/2029	5.000%	4,590,000	11/13/2024	101.465
	07/01/2030	5.000%	5,375,000	11/13/2024	101.465
	07/01/2031	5.000%	5,705,000	11/13/2024	101.465
	07/01/2032	5.000%	2,955,000	11/13/2024	101.465
	07/01/2033	5.000%	3,040,000	11/13/2024	101.465
	07/01/2034	4.000%	9,250,000	11/13/2024	100.813
	07/01/2035	4.000%	<u>12,110,000</u>	11/13/2024	100.813
			46,780,000		
Water and Wastewater Revenue Bonds, Series 2016, 2016, BOND:					
	10/01/2029	5.000%	3,495,000	11/13/2024	105.061
	10/01/2030	5.000%	3,290,000	11/13/2024	105.061
	10/01/2031	4.000%	5,240,000	11/13/2024	103.054
	10/01/2032	4.000%	5,565,000	11/13/2024	103.054
	10/01/2033	4.000%	<u>3,455,000</u>	11/13/2024	103.054
			21,045,000		
Water and Wastewater Revenue Bonds, Series 2016, 2016, BOND02:					
	10/01/2034	4.000%	285,000	11/13/2024	103.054
Water and Wastewater Revenue Bonds, Series 2017A, 2017A, BOND:					
	10/01/2032	5.000%	3,580,000	11/13/2024	107.836
	10/01/2033	5.000%	4,450,000	11/13/2024	107.836
	10/01/2034	5.000%	6,650,000	11/13/2024	107.836
	10/01/2035	5.000%	7,980,000	11/13/2024	107.807
	10/01/2036	5.000%	5,365,000	11/13/2024	107.778
	10/01/2037	5.000%	<u>4,700,000</u>	11/13/2024	107.750
			32,725,000		
Water and Wastewater Revenue Bnds, Series 2017B, 2017B, BOND:					
	11/01/2029	5.000%	18,695,000	11/13/2024	108.014
	11/01/2030	5.000%	25,625,000	11/13/2024	108.014
	11/01/2031	5.000%	30,170,000	11/13/2024	108.014
	11/01/2032	5.000%	2,430,000	11/13/2024	108.014
	11/01/2033	5.000%	3,055,000	11/13/2024	108.014
	11/01/2034	5.000%	<u>2,435,000</u>	11/13/2024	108.014
			82,410,000		
Water and Wastewater Revenue Bonds, Series 2018A, 2018A, BOND:					
	10/01/2032	5.000%	4,630,000	11/13/2024	110.153
	10/01/2033	5.000%	4,225,000	11/13/2024	110.153
	10/01/2034	5.000%	<u>6,420,000</u>	11/13/2024	110.153
			15,275,000		
Water and Wastewater Revenue Bonds, Series 2019A, 2019A, BOND:					
	10/01/2038	4.289%	7,660,000	11/13/2024	93.585
	10/01/2039	4.289%	<u>400,000</u>	11/13/2024	93.585
			8,060,000		
Water and Wastewater Revenue Bonds, Series 2020B, 2020B, BOND:					
	11/01/2033	2.234%	1,050,000	11/13/2024	84.761
	11/01/2034	2.334%	825,000	11/13/2024	83.545
	11/01/2035	2.434%	<u>1,335,000</u>	11/13/2024	82.193
			3,210,000		
Water and Wastewater Revenue Bonds, Series 2021B, 2021B, BOND:					
	07/01/2027	1.486%	5,920,000	11/13/2024	93.733
	07/01/2028	1.686%	435,000	11/13/2024	92.088
	07/01/2030	1.939%	540,000	11/13/2024	89.169
	07/01/2031	2.039%	115,000	11/13/2024	87.748
	07/01/2032	2.189%	3,725,000	11/13/2024	86.860
	07/01/2033	2.289%	<u>3,060,000</u>	11/13/2024	85.752
			13,795,000		
Water and Wastewater Revenue Bonds, Series 2021B, 2021B, TERM36:					
	07/01/2034	2.539%	3,905,000	11/13/2024	82.408
	07/01/2035	2.539%	4,005,000	11/13/2024	82.408

## SUMMARY OF BONDS REFUNDED

### Philadelphia Water Department Water and Wastewater Revenue Bonds, Series 2024C FINAL NUMBERS

<i>Bond</i>	<i>Maturity Date</i>	<i>Interest Rate</i>	<i>Par Amount</i>	<i>Call Date</i>	<i>Call Price</i>
Water and Wastewater Revenue Bonds, Series 2021B, 2021B, TERM36:					
	07/01/2036	2.539%	6,210,000	11/13/2024	82.408
			14,120,000		
Water and Wastewater Revenue Bonds, Series 2021B, 2021B, TERM45:					
	07/01/2037	2.926%	26,850,000	11/13/2024	78.045
	07/01/2038	2.926%	27,650,000	11/13/2024	78.045
	07/01/2039	2.926%	28,475,000	11/13/2024	78.045
	07/01/2040	2.926%	17,110,000	11/13/2024	78.045
			100,085,000		
			337,790,000		