

2022 BUDGET

The North Lebanon Township Municipal Authority was created in 1982 in accordance with the Municipal Authorities Act 53, PA.C.S.Ch.56 of 1945, as amended and supplemented. The Board of Supervisors set the term of existence at 50 years. The Supervisors tasked the North Lebanon Township Municipal Authority (NLTMA) to construct all new sewer lines in the Township including financing, which must be pre-approved by the Supervisors. The first project of the NLTMA was the project originally known as the North 7th Street Sewer Project. Since that time, the Authority has expanded public sewer into various areas of the township, as necessary and is now responsible for just over 60 miles of lines and 8 pump stations.

The NLTMA consists of five township residents each serving a five-year term. Their terms are staggered, so only one member is up for re-appointment each year. The appointments are made by the Board of Supervisors.

Sewer Operating Fund:

The day-to-day operations of the NLTMA is done through the Sewer Operating Fund. There are two full-time employees that perform the maintenance of approximately 60 miles of conveyance lines and 8 pump stations. They perform duties such as line flushing, 24/7 pump station monitoring, PA One Call line locations, manhole repairs, lateral inspections for new homes/businesses, maintain and mow sewer R-O-W's, maintain the sewer vehicles and the equipment used to maintain the sewer lines, as well as attend required training classes to keep their Wastewater System license current.

There is one sewer billing clerk responsible for the monthly and quarterly billing and all aspects associated with collection, issuance of sewer permits, settlements on sold properties, and preparation of minutes from NLTMA meetings. In 2016, a new billing system was installed after much research. As requested by numerous residents, the new system has a "customer portal" so residents will have access to their account information 24/7. Customers can pay online with their credit card or checking account and protect their privacy with Tier 4 security. We can also email their bills if they choose this option, which will help to save on postage costs.

In addition, there is an Assistant Township Manager that prepares the monthly agenda for the NLTMA and works closely with the Authority Engineer and Authority Solicitor in carrying out all NLTMA directives. The Assistant Township Manager is also responsible for purchasing capacity at the City of Lebanon Authority Wastewater Treatment Plant, overseeing the sewer billing clerk, as well as preparing developer's agreements, capacity agreements, tracking and checking for completeness of all planning modules associated with new development, reviewing, and issuing Strong Waste Permits, and attends all Municipal Authority meetings. Preparation of the Municipal Authority budget is another important role of the Assistant Township Manager.

At the September 10, 2015 Authority meeting, the Board took action to refinance the sewer bonds using a traditional bank loan through Fulton Bank. The interest rate on the loan was 2.33% for the first 7 years then switches to a variable rate at 65% of Prime with a cap of 4.50% for the remainder of the loan. The term of the loan is 15 years, which reduces the length of the loan by 5 years from the previous bond issue. The loan can be pre-paid at any time and is scheduled to be paid off in 2029. The last couple of years the Authority has made additional payments on the principal which has reduced the length of the loan.

At the December 10, 2020 Authority meeting, the Board took action to renegotiate the terms of the sewer loan with Fulton Bank. The interest rate on the loan is now 2.04% for the duration of the loan. The term of the loan was reduced by another two years and is scheduled to be paid off in 2027. By locking in the interest rate for the duration of the loan, we will continue to save in the amount of interest we will need to pay.

The Board reviews rates on a yearly basis and will make adjustments as necessary to satisfy the loan payment. The 2022 sewer user rate will remain the same at \$78/Quarter per EDU. This includes the debt payment and continuing operation and maintenance costs.

A copy of our current amortization schedule with Fulton Bank follows the Revenue and Expenses of the Sewer Operating Fund. As approved at a joint meeting between the NLTMA and Board of Supervisors, an additional amount of \$100,000/year for the next 10 years (2017-2026) will be applied on the Fulton Bank loan. We continue to make additional payments on the principal with the monies collected from the tapping fees. It is the goal of both Boards to reduce this debt as much as possible over the next five years.

For 2022, there is only one major purchase that will come out of the Capital Reserve Fund which is a generator for the Frances Ann Pump Station. One item that will be purchased jointly between the Authority and the Township is a tamper attachment. This will come out of the Sewer Operating Account under repair and maintenance. Lastly, we intend to install OmniSite technology for communication at both the Water Street and the Kochenderfer Pump Stations which will come out of the Capital Improvements within the Sewer Operating Account.

REVENUES:

SEWER OPERATING FUND REVENUES					
ACCT #	DESCRIPTION	2022 Budget	2021 Budget	2020 ACTUAL	2019 ACTUAL
	Cash on Hand - Checking	83,756	2,525,575	443,580	903,347
	Cash on Hand - Prime	2,753,500		2,028,191	1,134,675
341.100	Interest	1,500	20,000	15,312	49,116
358.423	SMT Safety Grant	1,000	0	0	0
361.220	Admin Fees	0	0	2,200	2,025
361.320	Plan Review	5,000	5,000	9,020	18,562
361.365	Inspect / Admin / Sewer Permit	8,000	8,000	13,687	6,450
361.450	Pa One Call Refund	175	175	277	178
361.500	Sewer Saddles & Signage	850	850	850	2,550
361.600	Sewer Mgmt Fees (every 3 yrs-next 2023)	100	200	20,790	270
361.950	Emergency Rep/Others	0	0	500	1,200
361.100	Sewer Treatment	3,000,000	3,000,000	2,938,469	2,932,784
361.453	W. Lebanon Trans Fee	1,855	1,855	1,855	1,855
364.900	Strong Waste Permit/Fees	200	200	600	400
380.000	Misc. Revenue	0	25	132	0
380.100	Property Damage (Ins Claim)	0	0	2,996	1,055
380.110	Conduit Fee (Moravian Manor)	5,000	5,000	5,000	5,000
391.100	Sale Of Fixed Assets	25	25	1,256	388
392.093	Transfer from Cap Reserve - add'l loan principal	230,000	230,000	450,000	240,000
395.000	Prior Yr Refund - Benecon Rebate	3,025	0	1,005	7,347
	Total Projected Revenue	3,256,730	3,271,330	3,463,949	3,269,180

EXPENSES:

SEWER OPERATING FUND EXPENSES					
ACCT #	DESCRIPTION	2022 Budget	2021 Budget	2020 ACTUAL	2019 ACTUAL
429.110	Authority Bd Wages	2,940	2,940	2,401	2,357
429.120	Wastewater	451,863	451,842	411,531	354,292
429.210	Office & Dept Supplies/Postage	5,000	5,000	6,530	3,637
429.231	Gasoline	6,000	4,000	1,736	3,096
429.238	Uniforms	2,000	2,000	1,896	1,573
429.245	Vehicle Maintenance	7,500	10,500	1,591	2,346
	2021 - \$5420 8 rear Flusher Truck tires				
429.250	Repair & Maintenance / Sludge Disposal	100,000	125,000	59,397	21,076
	Manhole spraying, trench restorations, tools, small equip (Tamper-50/50 split w/Twp), generator maint. @ Koch, Rockwood & Water St PS, decommission Orange Ln PS, SMT safety grant high voltage gloves, inspect. Kits, disposable gloves, etc.				
429.300	Banking / CD Fees	5,000	4,500	4,836	4,727
429.310	Plan Review	1,500	1,000	1,252	184
429.311	Auditor Fees	6,080	5,365	5,697	5,825
429.312	Engineer Mgmt Consultant/Retain	15,000	15,000	18,103	17,721
429.314	Legal Fees/Retainer	15,000	15,000	10,344	14,113
429.320	Communications-phone/tablet/int	3,750	3,500	3,893	3,789
429.340	Advertising / Printing	2,100	2,000	2,014	2,045
429.350	Fidelity Bond/Treasurer	250	0	271	447
429.351	Commercial / E&O Insurance	14,750	13,707	12,732	14,152
429.354	Workers Comp Insurance	6,214	4,793	4,500	4,665
429.361	Pump Station Utilities-elec, gas, dialers, SW	20,000	20,000	16,427	18,234
429.364	Sewer Treatment	1,400,000	1,300,000	1,336,228	1,288,751
429.367	Water Termination Fee	2,000	2,000	1,050	1,950
429.371	Office Equip / Computer / IT	26,000	23,000	15,614	15,337
429.384	Equipment Rental	100	100	0	0
429.420	Memberships / Dues / Subscriptions	3,500	3,000	3,476	381
429.450	PA One Call/Breakthrough Concepts	2,000	2,000	1,647	1,777
429.451	Contracted Svcs - Payroll	1,300	1,250	1,217	1,133
429.452	S Lebanon Transport Fee	1,565	1,565	1,564	1,565
429.460	Meetings / Conferences/Training	2,000	2,000	886	1,221
429.470	Misc Expenses	100	0	180	70
429.490	Special Projects (taken from 380-110 conduit fee)	5,000			
429.720	Capital Improvements	15,000	31,941	72,085	0
	2022 - OmniSite for Water St & Koch. PS \$15,000 2021 - Front Office Renov (\$3570/2=\$1785 split w/Twp) 2021 - Generator \$30,156 (didn't purchase) 2020 - Generator Rockwood \$60,934 2020 - Push camera \$10,168 2020 - Copier (\$5,600/2=\$2,800 split w/Twp) 2020 - Alum. Trench Box (\$12,600/2=\$6,300 split)				
473.100	Fulton Bank Loan - Principal	637,800	684,000	660,000	643,000
473.110	Fulton Bank Loan - Addtl Princ	230,000	230,000	450,000	240,000
473.200	Fulton Bank Loan - Interest	72,000	136,450	140,572	165,968
491.001	Refund of Prior Yr Revenue	0	0	1,700	0
	Total Projected Expenses	3,063,312	3,103,453	3,251,368	2,835,432
	Current Year Total Projected Revenue	3,256,730	3,271,330	3,463,949	3,269,180
	BUDGET (Remaining Funds)	193,418	167,877	212,582	433,748
	Total Funds Available	6,093,986	5,796,905	5,935,720	5,307,203
	Total Expenditures	3,063,312	3,103,453	3,251,368	2,835,432
	Projected Year End Balance	3,030,674	2,693,452	2,684,352	2,471,771

The following is a copy of our amortization schedule for the sewer loan with Fulton Bank.

SEWER LOAN - FULTON BANK							
Fixed Interest rate 2.04%							
Payment No.	Payment Date	Beginning Balance (Principal)	Principal	Interest	Extra Payment on Principal	Total Payment	Ending Balance (Principal)
1	2/15/2021	4,424,716.80	51,680.10	7,522.02	0.00	59,202.12	4,373,036.70
interest from last quart statement to 2/1/21 refinance				33,348.62	0.00	33,348.62	0.00
2	3/15/2021	4,373,036.70	51,762.14	7,440.02	0.00	59,202.16	4,321,274.56
3	4/15/2021	4,321,274.56	51,856.00	7,305.10	41.06	59,202.16	4,269,377.50
4	5/15/2021	4,269,377.50	51,944.10	7,219.71	38.29	59,202.10	4,217,395.11
5	6/15/2021	4,217,395.11	52,032.40	7,134.23	200,035.47	259,202.10	3,965,327.24
6	7/15/2021	3,965,327.24	52,120.90	6,541.08	0.00	58,661.98	3,913,206.34
7	8/15/2021	3,913,206.34	52,209.50	6,643.59	0.00	58,853.09	3,860,996.84
8	9/15/2021	3,860,996.84	52,298.20	6,525.23	50,000.00	108,823.43	3,758,698.64
9	10/15/2021	3,758,698.64	52,387.10	6,378.20	0.00	58,765.30	3,706,311.54
10	11/15/2021	3,706,311.54	52,476.20	6,268.07	0.00	58,744.27	3,653,835.34
11	12/15/2021	3,653,835.34	52,565.40	6,175.84	0.00	58,741.24	3,601,269.94
12	1/15/2022	3,601,269.94	52,654.80		40,000.00		3,508,615.14
13	2/15/2022		52,744.30				
14	3/15/2022		52,834.00				
15	4/15/2022		52,923.80				
16	5/15/2022		53,013.70				
17	6/15/2022		53,103.90				
18	7/15/2022		53,194.10				
19	8/15/2022		53,284.60				
20	9/15/2022		53,375.20				
21	10/15/2022		53,465.90				
22	11/15/2022		53,556.80				
23	12/15/2022		53,647.80				
24	1/15/2023		53,739.00				
25	2/15/2023		53,830.40				
26	3/15/2023		53,921.90				
27	4/15/2023		54,013.60				
28	5/15/2023		54,105.40				
29	6/15/2023		54,197.40				
30	7/15/2023		54,289.50				
31	8/15/2023		54,381.80				
32	9/15/2023		54,474.20				
33	10/15/2023		54,566.90				
34	11/15/2023		54,659.60				
35	12/15/2023		54,752.50				

36	1/15/2024	54,845.60			
37	2/15/2024	54,938.90			
38	3/15/2024	55,032.20			
39	4/15/2024	55,125.80			
40	5/15/2024	55,219.50			
41	6/15/2024	55,313.40			
42	7/15/2024	55,407.40			
43	8/15/2024	55,501.60			
44	9/15/2024	55,596.00			
45	10/15/2024	55,690.50			
46	11/15/2024	55,785.20			
47	12/15/2024	55,880.00			
48	1/15/2025	55,975.00			
49	2/15/2025	56,070.10			
50	3/15/2025	56,165.50			
51	4/15/2025	56,260.90			
52	5/15/2025	56,356.60			
53	6/15/2025	56,452.40			
54	7/15/2025	56,548.40			
55	8/15/2025	56,644.50			
56	9/15/2025	56,740.80			
57	10/15/2025	56,837.30			
58	11/15/2025	56,933.90			
59	12/15/2025	57,030.70			
60	1/15/2026	57,127.60			
61	2/15/2026	57,224.70			
62	3/15/2026	57,322.00			
63	4/15/2026	57,419.50			
64	5/15/2026	57,517.10			
65	6/15/2026	57,614.90			
66	7/15/2026	57,712.80			
67	8/15/2026	57,810.90			
68	9/15/2026	57,909.20			
69	10/15/2026	58,007.60			
70	11/15/2026	58,106.20			
71	12/15/2026	58,205.00			
72	1/15/2027	58,304.00			
73	2/15/2027	58,403.10			
74	3/15/2027	58,502.40			
75	4/15/2027	58,601.80			
76	5/15/2027	58,701.50	eliminated		
77	6/15/2027	58,801.20	due to		
78	7/15/2027	58,901.20	extra		
79	8/15/2027	59,001.30	payments		
80	9/15/2027	59,101.60			

CAPITAL RESERVE FUND:

The Capital Reserve Fund is used for larger projects, such as our improvements to four of our eight pumping stations in 2016. They included the Frances Ann, Jay Street, Kochenderfer Road and Orange Lane pump stations. Three of these pump stations were installed with the N. 7th Street sewer project in 1986. The other pump station (Orange Lane) was installed as part of the Ebenezer Sewer Project in the 90s.

Capacity Charges – Sewer capacity must be purchased for new development through the NLTMA. The current charge is \$2,290 of which \$2,090/EDU goes to CoLA and \$200/EDU to NLTMA.

Tapping Fees – Connection to the public sewer is \$3,100/EDU.

Special Purpose Fee I – We collect \$800 for Special Purpose Tapping Fee I from any connections that will flow into the Water Street Pump Station to offset upgrade costs.

Special Purpose Fee II – We collect \$1,125 for Special Purpose Tapping Fee II from any connections that will flow into the Long Lane relief line to offset the construction costs.

Special Purpose IV Fee – We collect \$2,000 for Special Purpose Tapping Fee IV from any connections that will flow into the N. 8th Avenue pump station to offset NLTMA costs for the reconstructed station.

In 2012, the NLTMA was mandated to spearhead a sewer extension project in the area known as Rockwood. The project area consisted of 88% of Swatara residents and 12% of North Lebanon Township residents. Construction is complete and the NLTMA portion of the PENNVEST loan was paid off in 2016. The remaining loan amount is solely the responsibility of Swatara Township. However, because NLTMA owns the lines and pumping station associated with this project the loan cannot be transferred to Swatara Township and must remain with NLTMA. An inter-municipal agreement is in place with Swatara Township and NLTMA covering this project and remaining loan amount. We will continue with our 20-year loan from PENNVEST, to be paid entirely by Swatara Township.

We continue to reference the approved Rate Study prepared by Steckbeck Engineering to make recommendations for Capital Expenditures. A group of 4 individuals (1 NLTMA member, 1 member from the Board of Supervisors, 1 maintenance person and 1 mechanic) have been appointed to discuss vehicle replacement suggestions and report to the NLTMA each year their recommendation on future vehicle needs. We have one item from the capital reserve fund planned for 2022. The Authority intends to purchase a generator for the Frances Ann Pump Station.

CAPITAL RESERVE FUND REVENUES

ACCT #	DESCRIPTION	2022 Budget	2021 Budget	2020 ACTUAL	2019 ACTUAL	2018 ACTUAL
	Cash on Hand - Checking Account	990	1,608,670.00	37,096	47,394	40,294
	Cash on Hand - Prime	1,699,205		951,832	773,009	775,135
	CDs	2,494,698	2,494,698.00	3,417,017	3,550,360	3,505,359
	Fulton Pennvest Acct (Rockwood)	7,796	0.00	7,796	7,796	7,796
	Swatara Escrow	15,000	7,300.00	8,609	10,280	12,539
341.100	Interest Earnings	20,000	10,000	53,473	69,201	73,358
361.360	Tapping Fees	90,450	90,453	94,800	130,900	109,400
	Crossings Ph 3/4 - 28 lots - 10 @ \$3100 Mapledale - 38 lots - 10 @ \$2845.26 Towns Edge - 88 lots - 10 @ \$3100					
361.361	Capacity Charge (EDU) (EDU \$2090 CoLA + \$200 MA)	329,760	201,520	512,960	70,990	13,740
	2020 - Towns Edge - 88 EDUs 2020 - Project TV - 60 EDUs 2020 - Mapledale - 38 EDUs 2021 - Crossings Ph 4 - 58 EDUs 2022 - Briar Ridge Commons - 144 EDUs 2022/23 - Musser (Cikovic Farm)					
361.362	Special Purpose Fee I - Water St (\$800)	1,600	1,600	6,400	4,000	5,600
361.363	Special Purpose Fee II - Long Ln (\$1,125)	2,250	2,250	9,000	5,625	7,875
361.367	Special Purpose IV - 8th Ave PS Upgrade (\$2,000)	40,000	40,000	30,000	26,000	48,000
	Crossings - all phases - 10 lots 2022 Mapledale - 10 lots 2022 Briar Ridge Commons - 10 lots 2022					
361.370	Addtl Capacity Purchase	0	0	18,000	18,000	27,000
364.100	Swatara Debt Payments (MA paid off their portion 2016)	31,185	31,185	39,412	31,185	31,185
391.100	Sale of Fixed Assets	0	0	0	27,100	30,100
	Total Projected Revenue	515,245	377,008	764,045	383,001	346,259

CAPITAL RESERVE FUND EXPENSES

ACCT #	DESCRIPTION	2022 Budget	2021 Budget	2020 ACTUAL	2019 ACTUAL	2018 ACTUAL
429.300	Cash Management	50	50	47	10,184	9,041
	2018 & 2019 - penalty on early CDs					
429.615	EDU's City (\$2090)	300,960	183,920	453,530	64,790	4,180
	2020 - Towns Edge - 88 lots 2020 - Project TV - 60 EDUs 2022 - Briar Ridge Commons - 144 EDUs Future - Musser (Cikovic Farm)					
429.720	Capital Improvements	0	366,763	0	0	0
	2021 - \$294,263 Gravity line from Orange Ln PS 2021 - \$72,500 Hill St PS improvements					
429.740	Capital Purchases	26,500	0	0	0	49,637
	2022 - \$26,500 Generator Frances Ann PS					
471.100	Pennvest Loan - Principal	28,372	28,090	27,788	27,532	27,258
471.200	Pennvest Loan - Interest	2,789	3,071	3,351	3,629	3,903
492.092	Transfer to Sewer Op - Addtl loan principal	230,000	230,000	450,000	240,000	200,000
	2017 to 2026 -- 10 yr agrmnt (\$100k/yr) + prior year tapping fees					
492.200	Swatara Escrow Pmts - delinquent accts	0	0	1,839	1,684	2,264
	Total Projected Expenses	588,671	811,894	936,554	347,819	296,284
	Current Year Revenue Grand Total	515,245	377,008	764,045	383,001	346,259
	BUDGET (Remaining Funds)	-73,426	-434,886	-172,509	35,182	49,975
	Total Funds Available	4,710,138	4,480,376	5,169,990	4,753,764	4,667,046
	Total Expenditures	588,671	811,894	936,554	347,819	296,284
	Projected Year End Balance	4,121,467	3,668,482	4,233,436	4,405,944	4,370,763

WATER OPERATING FUND:

The Water Operating Fund is for the water project of the NLTMA. Following payoff of this loan, we will be dedicating the lines to the City of Lebanon Authority (CoLA) and this fund will be closed. We have 3 properties that are not connected. Two of those not connected are health related.

Tapping Fees – Connection into the public water is \$3,900/EDU for residents within the water project area.

At the September 10, 2015, Authority meeting, the Board took action to refinance the water bonds using a bank loan through Adams County National Bank (ACNB). The interest rate on the loan was 2.66% for the first 8 years then switches to a variable rate at 66% of Prime with a cap of 4.25% for the remainder of the loan. This loan can be pre-paid at any time and utilizes a more evenly distributed payment structure and is scheduled to be paid off in 2035. The last couple of years the Authority has made additional payments on the principal which has reduced the length of the loan and the amount of interest we will need to pay.

At the December 10, 2020, Authority meeting, the Board took action to renegotiate the terms of the water loan with Adams County National Bank. The interest rate is now 1.60% for the first 7 years and then switches to a variable rate at 66% of Prime with a cap of 4.25% for the remainder of the loan. Since renegotiating the terms of the loan, we have reduced the length of the loan by an additional two years. This loan is now scheduled to be paid off in 2033.

The 2022 water rate will remain the same at \$60/Quarter per EDU. The \$60/Quarter is billed by CoLA to our residents and turned over to the NLTMA for our loan payments.

A copy of our current amortization schedule with ACNB Bank follows the Revenue and Expenses of the Water Operating Fund. We continue to make additional payments on the principal with the monies collected from the tapping fees. It is the goal of the Municipal Authority Board to reduce this debt as much as possible over the next ten years.

WATER OPERATING FUND REVENUES

ACCT #	DESCRIPTION	2022 Budget	2021 Budget	2020 ACTUAL	2019 ACTUAL	2018 ACTUAL
	Cash on Hand - Checking	134,745	93,284	60,134	204,100	147,497
341.000	Interest	100	1,250	184	2,499	2,820
361.320	Recording/Admin Fee	0	0	0	0	50
361.360	Tapping Fees	117,000	78,000	54,900	38,965	103,075
	Crossings Ph 3-28 lots @ \$3900/ea 10 EDU/yr Mapledale-38 lots @ \$3900/ea 10 EDU/yr Briar Ridge Commons-144 EDUs @ \$3900/ea 10/yr					
378.900	Debt Service - COLA	181,325	177,400	173,503	179,457	169,087
	EDU count 2021 = 787 as of 7/2021 787*\$60*4=\$188,880*96%=\$181,325	EDU count 2021 = 787	EDU count 2020 = 770	EDU count 2019 = 759	EDU count 2018 = 740	EDU count 2017 = 718
	Total Projected Revenue	298,425	256,650	228,587	220,921	275,032

WATER OPERATING FUND EXPENSES

ACCT #	DESCRIPTION	2022 Budget	2021 Budget	2020 ACTUAL	2019 ACTUAL	2018 ACTUAL
448.300	Bank Fees	560	400	1,487	609	636
448.311	Auditor Fees	1,920	1,885	1,868	1,713	1,963
448.314	Legal Fees	0	0	2,500	0	0
473.100	Loan ACNB Bank - Principal (2033)	91,270	96,000	93,000	90,000	88,000
473.110	Loan ACNB - Addtl Principal	150,000	78,000	60,000	220,000	75,000
473.200	Loan ACNB Bank - Interest	18,050	47,628	44,703	52,563	52,830
	Total Projected Expenses	261,800	223,913	203,558	364,886	218,429
	Current Year Revenue Grand Total	298,425	256,650	228,587	220,921	275,032
	BUDGET (Remaining Funds)	36,625	32,737	25,029	-143,965	56,603
	Total Funds Available	433,170	349,934	288,722	425,020	422,529
	Total Expenditures	261,800	223,913	203,558	364,886	218,429
	Projected Year End Balance	171,370	126,021	85,163	60,134	204,100

The following is a copy of our amortization schedule for the water loan with Adams County Bank.

BOND DEBT SERVICE

North Lebanon Township Municipal Authority
Guaranteed Water Revenue Note, Series B of 2020

Period Ending	Principal	Interest	Total Payment
01/15/2021	7,430.40	1,680.25	9,110.65
02/15/2021	7,440.30	1,670.34	9,110.64
03/15/2021	7,450.20	1,660.42	9,110.62
04/15/2021	7,460.20	1,650.49	9,110.69
05/15/2021	7,470.10	1,640.54	9,110.64
06/15/2021	7,480.10	1,630.58	9,110.68

07/15/2021	7,490.10	1,620.61	9,110.71
08/15/2021	7,500.00	1,610.62	9,110.62
09/15/2021	7,510.00	1,600.62	9,110.62
10/15/2021	7,520.10	1,590.61	9,110.71
11/15/2021	7,530.10	1,580.58	9,110.68
12/15/2021	7,540.10	1,570.54	9,110.64
01/15/2022	7,550.20	1,560.49	9,110.69
02/15/2022	7,560.20	1,550.42	9,110.62
03/15/2022	7,570.30	1,540.34	9,110.64
04/15/2022	7,580.40	1,530.25	9,110.65
05/15/2022	7,590.50	1,520.14	9,110.64
06/15/2022	7,600.70	1,510.02	9,110.72
07/15/2022	7,610.80	1,499.89	9,110.69
08/15/2022	7,620.90	1,489.74	9,110.64
09/15/2022	7,631.10	1,479.58	9,110.68
10/15/2022	7,641.30	1,469.40	9,110.70
11/15/2022	7,651.50	1,459.21	9,110.71
12/15/2022	7,661.70	1,449.01	9,110.71
01/15/2023	7,671.90	1,438.80	9,110.70
02/15/2023	7,682.10	1,428.57	9,110.67
03/15/2023	7,692.30	1,418.32	9,110.62
04/15/2023	7,702.60	1,408.07	9,110.67
05/15/2023	7,712.90	1,397.80	9,110.70
06/15/2023	7,723.20	1,387.51	9,110.71
07/15/2023	7,733.50	1,377.22	9,110.72
08/15/2023	7,743.80	1,366.91	9,110.71
09/15/2023	7,754.10	1,356.58	9,110.68
10/15/2023	7,764.40	1,346.24	9,110.64
11/15/2023	7,774.80	1,335.89	9,110.69
12/15/2023	7,785.10	1,325.52	9,110.62
01/15/2024	7,795.50	1,315.14	9,110.64
02/15/2024	7,805.90	1,304.75	9,110.65
03/15/2024	7,816.30	1,294.34	9,110.64
04/15/2024	7,826.80	1,283.92	9,110.72
05/15/2024	7,837.20	1,273.48	9,110.68
06/15/2024	7,847.60	1,263.03	9,110.63
07/15/2024	7,858.10	1,252.57	9,110.67
08/15/2024	7,868.60	1,242.09	9,110.69
09/15/2024	7,879.10	1,231.60	9,110.70
10/15/2024	7,889.60	1,221.10	9,110.70
11/15/2024	7,900.10	1,210.58	9,110.68
12/15/2024	7,910.60	1,200.04	9,110.64
01/15/2025	7,921.20	1,189.50	9,110.70
02/15/2025	7,931.70	1,178.93	9,110.63
03/15/2025	7,942.30	1,168.36	9,110.66
04/15/2025	7,952.90	1,157.77	9,110.67
05/15/2025	7,963.50	1,147.16	9,110.66
06/15/2025	7,974.10	1,136.55	9,110.65
07/15/2025	7,984.80	1,125.91	9,110.71
08/15/2025	7,995.40	1,115.27	9,110.67
09/15/2025	8,006.10	1,104.61	9,110.71
10/15/2025	8,016.70	1,093.93	9,110.63
11/15/2025	8,027.40	1,083.24	9,110.64
12/15/2025	8,038.10	1,072.54	9,110.64
01/15/2026	8,048.80	1,061.82	9,110.62
02/15/2026	8,059.60	1,051.09	9,110.69
03/15/2026	8,070.30	1,040.35	9,110.65
04/15/2026	8,081.10	1,029.58	9,110.68
05/15/2026	8,091.90	1,018.81	9,110.71
06/15/2026	8,102.70	1,008.02	9,110.72
07/15/2026	8,113.50	997.22	9,110.72
08/15/2026	8,124.30	986.40	9,110.70
09/15/2026	8,135.10	975.57	9,110.67
10/15/2026	8,146.00	964.72	9,110.72
11/15/2026	8,156.80	953.86	9,110.66
12/15/2026	8,167.70	942.98	9,110.68
01/15/2027	8,178.60	932.09	9,110.69
02/15/2027	8,189.50	921.19	9,110.69
03/15/2027	8,200.40	910.27	9,110.67
04/15/2027	8,211.30	899.33	9,110.63
05/15/2027	8,222.30	888.39	9,110.69
06/15/2027	8,233.20	877.42	9,110.62
07/15/2027	8,244.20	866.45	9,110.65
08/15/2027	8,255.20	855.45	9,110.65
09/15/2027	8,266.20	844.45	9,110.65

Interest rate changes

10/15/2027	8,277.20	2,213.78	10,490.98
11/15/2027	8,288.30	2,184.47	10,472.77
12/15/2027	8,299.30	2,155.11	10,454.41
01/15/2028	8,310.40	2,125.72	10,436.12
02/15/2028	8,321.50	2,096.29	10,417.79
03/15/2028	8,332.60	2,066.82	10,399.42
04/15/2028	8,343.70	2,037.31	10,381.01
05/15/2028	8,354.80	2,007.75	10,362.55
06/15/2028	8,365.90	1,978.16	10,344.06
07/15/2028	8,377.10	1,948.54	10,325.64
08/15/2028	8,388.30	1,918.87	10,307.17
09/15/2028	8,399.50	1,889.16	10,288.66
10/15/2028	8,410.70	1,859.41	10,270.11
11/15/2028	8,421.90	1,829.62	10,251.52
12/15/2028	8,433.10	1,799.79	10,232.89
01/15/2029	8,444.30	1,769.93	10,214.23
02/15/2029	8,455.60	1,740.02	10,195.62
03/15/2029	8,466.90	1,710.07	10,176.97
04/15/2029	8,478.20	1,680.09	10,158.29
05/15/2029	8,489.50	1,650.06	10,139.56
06/15/2029	8,500.80	1,619.99	10,120.79
07/15/2029	8,512.10	1,589.89	10,101.99
08/15/2029	8,523.50	1,559.74	10,083.24
09/15/2029	8,534.80	1,529.55	10,064.35
10/15/2029	8,546.20	1,499.32	10,045.52
11/15/2029	8,557.60	1,469.06	10,026.66
12/15/2029	8,569.00	1,438.75	10,007.75
01/15/2030	8,580.40	1,408.40	9,988.80
02/15/2030	8,591.90	1,378.01	9,969.91
03/15/2030	8,603.30	1,347.58	9,950.88
04/15/2030	8,614.80	1,317.11	9,931.91
05/15/2030	8,626.30	1,286.60	9,912.90
06/15/2030	8,637.80	1,256.05	9,893.85
07/15/2030	8,649.30	1,225.46	9,874.76
08/15/2030	8,660.90	1,194.82	9,855.72
09/15/2030	8,672.40	1,164.15	9,836.55
10/15/2030	8,684.00	1,133.43	9,817.43
11/15/2030	8,695.50	1,102.68	9,798.18
12/15/2030	8,707.10	1,071.88	9,778.98
01/15/2031	8,718.70	1,041.04	9,759.74
02/15/2031	8,730.40	1,010.17	9,740.57
03/15/2031	8,742.00	979.25	9,721.25
04/15/2031	8,753.70	948.28	9,701.98
05/15/2031	8,765.30	917.28	9,682.58
06/15/2031	8,777.00	886.24	9,663.24
07/15/2031	8,788.70	855.15	9,643.85
08/15/2031	8,800.40	824.03	9,624.43
09/15/2031	8,812.20	792.86	9,605.06
10/15/2031	8,823.90	761.65	9,585.55
11/15/2031	8,835.70	730.40	9,566.10
12/15/2031	8,847.50	699.10	9,546.60
01/15/2032	8,859.30	667.77	9,527.07
02/15/2032	8,871.10	636.39	9,507.49
03/15/2032	8,882.90	604.97	9,487.87
04/15/2032	8,894.80	573.51	9,468.31
05/15/2032	8,906.60	542.01	9,448.61
06/15/2032	8,918.50	510.47	9,428.97
07/15/2032	8,930.40	478.88	9,409.28
08/15/2032	8,942.30	447.25	9,389.55
09/15/2032	8,954.20	415.58	9,369.78
10/15/2032	8,966.20	383.87	9,350.07
11/15/2032	8,978.10	352.11	9,330.21
12/15/2032	8,990.10	320.32	9,310.42
01/15/2033	9,002.10	288.48	9,290.58
02/15/2033	9,014.10	256.59	9,270.69
03/15/2033	9,026.10	224.67	9,250.77
04/15/2033	9,038.10	192.70	9,230.80
05/15/2033	9,050.20	160.69	9,210.89
06/15/2033	9,062.20	128.64	9,190.84
07/15/2033	9,074.30	96.54	9,170.84
08/15/2033	9,086.40	64.40	9,150.80
09/15/2033	9,098.50	32.22	9,130.72