# JEFFERSON COUNTY, TENNESSEE Nursing Home

Summary of Outstanding Debt

For Fiscal Year Beginning July 1, 2023

Prepared By:

Cumberland Securities Company, Inc. Independent Registered Municipal Advisors P.O. Box 22715 Knoxville, Tennessee 37933 Telephone: (865) 988-2663 Facsimile: (865) 988-1863



\* May not include all outstanding notes and leases, if any

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#### Risk Disclosures:

	Fixed Rate Bonds				
Material Risk Consideration	Description of Risk	Potential Consequences			
lssuer Default Risk	Possibility that the Issuer defaults under the authorizing documents	<ul> <li>Range of available remedies may be brought against Issuer (e.g. forcing issuer to raise taxes or rates)</li> <li>Credit ratings negatively impacted</li> <li>Access to capital markets impaired</li> <li>Possibility of receivership or bankruptcy for certain issuers</li> </ul>			
Redemption Risk	The ability to redeem the bonds prior to maturity may be limited	Inability to refinance at lower interest rates			
Refinancing Risk	Possibility that the bonds cannot be refinanced	Inability to refinance at lower interest rates			
Reinvestment Risk	Possibility that the Issuer may be unable to invest unspent proceeds at or near the interest rate on the bonds	<ul> <li>Negative arbitrage resulting in a higher cost of funds</li> </ul>			
Tax Compliance Risk	For tax-exempt bonds, possibility that failure to comply with tax-related covenants results in the bonds becoming taxable obligations	Increase in debt service costs retroactively to date of issuance     Possible mandatory redemption of bonds affected     Risk of IRS Audit     Difficulty in refinancing the bonds     Access to tax-exempt market impacted     Difficulty in issuing future tax-exempt debt			

Variable Rate	Demand Bonds ("VRDB") / Floating Rate Notes ("FRN") / Bank Index Loan ("Inde	x") / "Put Loan" (e.g. Fixed Rate for Five (5) Years, then Rate Resets to New Rate)
Material Risk Consideration	Description of Risk (Type of Debt Risk Applicable to)	Potential Consequences
Interest Rate Risk	Possibility that the interest rate may increase on an interest reset date (VRDB, FRN, Index, Put Loans)	<ul> <li>Increase in debt service cost (up to maximum rate)</li> <li>Lower debt service coverage</li> <li>Lower cash reserves</li> </ul>
Index Risk	Possibility that the method of determining the index (LIBOR or SIFMA) could change Indices may be affected by factors unrelated to FRN's/Index Loan or the tax- exempt market (VRDB, FRN, Index, Put Loans)	<ul> <li>Increase in debt service costs</li> <li>Lower debt service coverage</li> <li>Lower cash reserves</li> <li>Provision should be made for alternate mechanism to determine rate</li> </ul>
Issuer Default Risk	Possibility that the Issuer defaults under the authorizing documents (VRDB, FRN, Index, Put Loans)	<ul> <li>Range of available remedies may be brought against Issuer (e.g., forcing Issuer to raise taxes or revenues)</li> <li>Credit ratings negatively impacted</li> <li>Default could impact remarketing which could cause increase in debt service costs</li> <li>Access to capital markets impaired</li> </ul>
Issuer Ratings Downgrade Risk	Possibility that a downgrade of the issuer's rating(s) may result in optional tenders or an increase in fees payable to the bank providing the liquidity facility (VRDB, FRN, Index, Put Loans)	<ul> <li>Ratings change could impact remarketing which could cause an increase in debt service cost</li> <li>Higher liquidity facility fees resulting in higher cost of funds</li> </ul>
Liquidity Risk	Possibility that VRDB's cannot be successfully remarketing, resulting in Bank Bonds (VRDB)	<ul> <li>Increase in debt service costs due to higher bank bond rate and accelerated principle repayment</li> <li>May be required to refinance or term out the VRDO's</li> <li>Inability to refinance or possibly higher interest rates</li> </ul>
Liquidity Provider Default Risk	Possibility that the bank providing the liquidity facility supporting the VRDO's defaults in its obligations under the liquidity facility (VRDB)	Issuer required to repay principal and accrued interest if Issuer is not able to refinance     Increase in debt service costs
Liquidity Provider Ratings Downgrade	Possibility that a downgrade of the liquidity provider's rating(s) may result in optional tenders (VRDB)	Ratings change could impact remarketing which could cause an increase in debt service cost
Refinancing Risk	Possibility that the FRN, Index or Put Loan cannot be remarketed or refinanced (FRN, Index, Put Loans)	<ul> <li>Hard Put: must repay principal and accrued interest or Event of Default</li> <li>Soft Put: higher interest rate on debt and higher debt service costs up to maximum rate</li> <li>Increase in debt service costs upon any refinancing</li> <li>Inability to refinance or possibly higher interest rates</li> </ul>
Regulatory Risk	Possibility that prospective regulatory requirements increase cost of obtaining and maintaining the liquidity facility (VRDB, FRN, Index, Put Loans)	<ul> <li>Increase in debt service costs</li> <li>Higher liquidity facility fees resulting in higher cost of funds</li> </ul>
Reinvestment Risk	Possibility that the issuer may be unable to invest unspent proceeds at or near the interest rate on the bonds (VRDB, FRN, Index, Put Loans)	Negative arbitrage resulting in higher cost of funds
Remarketing Risk	Possibility that the remarketing agent does not perform its duties in a satisfactory manner or may resign or cease its remarketing efforts (VRDB)	Higher interest rates     Difficulty remarketing the VRDO's     May require appointment of a successor remarketing agent
Renewal Risk	Possibility that the facility or loan will not be extended for a successive commitment period or not be replaced at a reasonable cost (VRDB, FRN, Index, Put Loans)	<ul> <li>Issuer required to repay principal and accrued interest on tender date if issuer is not able to refinance</li> <li>Increase in debt service costs</li> </ul>
Tax Compliance Risk	For tax exempt bonds, possibility that failure to comply with tax related covenants result in the bonds becoming taxable obligations (VRDB, FRN, Index, Put Loans)	<ul> <li>Increase in debt service costs retroactively to date of issuance</li> <li>Possible mandatory redemption of bonds affected</li> <li>Risk of IRS audit</li> <li>Difficulty in refinancing the bonds</li> <li>Access to tax exempt market impacted</li> <li>Difficulty in issuing future tax-exempt debt</li> </ul>

## Jefferson County, Tennessee

### **Summary of Debt - Nursing Home**

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Cumberland Securities Company, Inc. Tennessee Public Finance - SPG

## \$7,750,000

## Jefferson County, Tennessee General Obligation Bonds, Series 2020B Nursing Home - Original True Interest Cost (TIC) - 2.2379%

## Debt Service

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
06/01/2023	-	-	-	-	
12/01/2023	-	-	114,750.00	114,750.00	-
06/01/2024	190,000.00	3.000%	114,750.00	304,750.00	419,500.00
12/01/2024	-	-	111,900.00	111,900.00	-
06/01/2025	195,000.00	3.000%	111,900.00	306,900.00	418,800.00
12/01/2025	-	-	108,975.00	108,975.00	
06/01/2026	200,000.00	3.000%	108,975.00	308,975.00	417,950.00
12/01/2026	-	-	105,975.00	105,975.00	-
06/01/2027	205,000.00	3.000%	105,975.00	310,975.00	416,950.00
12/01/2027	-	-	102,900.00	102,900.00	
06/01/2028	210,000.00	3.000%	102,900.00	312,900.00	415,800.00
12/01/2028	-	-	99,750.00	99,750.00	-
06/01/2029	220,000.00	3.000%	99,750.00	319,750.00	419,500.00
12/01/2029	-	-	96,450.00	96,450.00	-
06/01/2030	225,000.00	3.000%	96,450.00	321,450.00	417,900.00
12/01/2030	-	-	93,075.00	93,075.00	
06/01/2031	230,000.00	3.000%	93,075.00	323,075.00	416,150.00
12/01/2031	-	-	89,625.00	89,625.00	-
06/01/2032	240,000.00	3.000%	89,625.00	329,625.00	419,250.00
12/01/2032	-	-	86,025.00	86,025.00	
06/01/2033	245,000.00	3.000%	86,025.00	331,025.00	417,050.00
12/01/2033	-	-	82,350.00	82,350.00	
06/01/2034	250,000.00	3.000%	82,350.00	332,350.00	414,700.00
12/01/2034	-	-	78,600.00	78,600.00	-
06/01/2035	260,000.00	3.000%	78,600.00	338,600.00	417,200.00
12/01/2035	-	-	74,700.00	74,700.00	
06/01/2036	270,000.00	3.000%	74,700.00	344,700.00	419,400.00
12/01/2036	-	-	70,650.00	70,650.00	-
06/01/2037	275,000.00	3.000%	70,650.00	345,650.00	416,300.00
12/01/2037	-	-	66,525.00	66,525.00	-
06/01/2038	285,000.00	3.000%	66,525.00	351,525.00	418,050.00
12/01/2038	-	-	62,250.00	62,250.00	
06/01/2039	290,000.00	3.000%	62,250.00	352,250.00	414,500.00
12/01/2039	-	-	57,900.00	57,900.00	-
06/01/2040	300,000.00	3.000%	57,900.00	357,900.00	415,800.00
12/01/2040	-	-	53,400.00	53,400.00	-
06/01/2041	310,000.00	3.000%	53,400.00	363,400.00	416,800.00
12/01/2041	-	-	48,750.00	48,750.00	
06/01/2042	320,000.00	3.000%	48,750.00	368,750.00	417,500.00
12/01/2042	-	-	43,950.00	43,950.00	-
06/01/2043	330,000.00	3.000%	43,950.00	373,950.00	417,900.00
12/01/2043	-	-	39,000.00	39,000.00	
06/01/2044	340,000.00	3.000%	39,000.00	379,000.00	418,000.00
12/01/2044	-	-	33,900.00	33,900.00	
06/01/2045	350,000.00	3.000%	33,900.00	383,900.00	417,800.00
12/01/2045	-	-	28,650.00	28,650.00	

Part 1 of 2

## \$7,750,000

## Jefferson County, Tennessee General Obligation Bonds, Series 2020B Nursing Home - Original True Interest Cost (TIC) - 2.2379%

		De	bt Service		
					Part 2 of 2
Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
06/01/2046	360,000.00	3.000%	28,650.00	388,650.00	417,300.00
12/01/2046	-	-	23,250.00	23,250.00	-
06/01/2047	370,000.00	3.000%	23,250.00	393,250.00	416,500.00
12/01/2047	-	-	17,700.00	17,700.00	-
06/01/2048	380,000.00	3.000%	17,700.00	397,700.00	415,400.00
12/01/2048	-	-	12,000.00	12,000.00	-
06/01/2049	395,000.00	3.000%	12,000.00	407,000.00	419,000.00
12/01/2049	-	-	6,075.00	6,075.00	-
06/01/2050	405,000.00	3.000%	6,075.00	411,075.00	417,150.00
Total	\$7,650,000.00	-	\$3,618,150.00	\$11,268,150.00	-
Date And Term S					6/01/2023
*					
Yield Statistics					
• •					
Neighted Average N	Iaturity				15.765 Years

## \$5,535,000

## Jefferson County, Tennessee General Obligation Refunding Bonds, Series 2021B Original True Interest Cost (TIC) - 1.4844%

#### Debt Service

Fiscal Total	Total P+I	Interest	Coupon	Principal	Date
-	-	-	-	-	06/01/2023
-	45,937.50	45,937.50	-	-	12/01/2023
-	355,937.50	45,937.50	2.000%	310,000.00	06/01/2024
401,875.00	-	-	-	-	06/30/2024
-	42,837.50	42,837.50	-	-	12/01/2024
-	357,837.50	42,837.50	2.000%	315,000.00	06/01/2025
400,675.00	-	-	-	-	06/30/2025
-	39,687.50	39,687.50	-	-	12/01/2025
-	359,687.50	39,687.50	2.000%	320,000.00	06/01/2026
399,375.00	-	-	-	-	06/30/2026
-	36,487.50	36,487.50	-	-	12/01/2026
-	366,487.50	36,487.50	2.000%	330,000.00	06/01/2027
402,975.00	-	-	-	-	06/30/2027
-	33,187.50	33,187.50	-	-	12/01/2027
-	368,187.50	33,187.50	2.000%	335,000.00	06/01/2028
401,375.00	-	-	-	-	06/30/2028
-	29,837.50	29,837.50	-	-	12/01/2028
-	369,837.50	29,837.50	2.000%	340,000.00	06/01/2029
399,675.00	-	-	-	-	06/30/2029
-	26,437.50	26,437.50	-	-	12/01/2029
-	376,437.50	26,437.50	2.000%	350,000.00	06/01/2030
402,875.00	-	-	-	-	06/30/2030
-	22,937.50	22,937.50	-	-	12/01/2030
400.975.00	377,937.50	22,937.50	2.000%	355,000.00	06/01/2031
400,875.00	10 297 50	-	-	-	06/30/2031
-	19,387.50 384,387.50	19,387.50 19,387.50	2.000%	365,000.00	12/01/2031 06/01/2032
403,775.00	564,587.50	19,387.30	2.000%	505,000.00	06/30/2032
403,775.00	15,737.50	15,737.50	-	-	12/01/2032
-	385,737.50	15,737.50	1.500%	370,000.00	06/01/2033
401,475.00	365,757.50	15,757.50	1.500%	570,000.00	06/30/2033
401,475.00	12,962.50	12,962.50			12/01/2033
-	387,962.50	12,962.50	1.500%	375,000.00	06/01/2034
400,925.00	-		-	-	06/30/2034
	10,150.00	10,150.00	-	-	12/01/2034
-	390,150.00	10,150.00	1.750%	380,000.00	06/01/2035
400,300.00					06/30/2035
-	6,825.00	6,825.00	-	-	12/01/2035
-	391,825.00	6,825.00	1.750%	385,000.00	06/01/2036
398,650.00	-	-	-	, -	06/30/2036
-	3,456.25	3,456.25	-	-	12/01/2036
-	398,456.25	3,456.25	1.750%	395,000.00	06/01/2037
401,912.50	-	-	-	-	06/30/2037
-	\$5,616,737.50	\$691,737.50	-	\$4,925,000.00	Total

#### Date And Term Structure

Dated	6/01/2023
First Coupon Date	12/01/2023
Frequency of Interest Payments	2 Per Year
First Serial Maturity Date	6/01/2024
Yield Statistics         Average Coupon         Weighted Average Maturity	1.7999935% 7.803 Years

Nursing Home - Callable 6-1-2029

## \$2,000,000

## Jefferson County, Tennessee General Obligation Bonds, Series 2022 Nursing Home - TIC - 2.7701%

#### Debt Service

Principal Coupon Interest Total P+I Fiscal Total \_ \_ --30,000.00 30,000.00 \_ 50,000.00 3.000% 110,000.00 30,000.00 80,000.00 29,250.00 29,250.00

06/01/2025 12/01/2025 06/01/2026 12/01/2026	50,000.00 - 55,000.00	3.000%	29,250.00 28,500.00	79,250.00 28,500.00	108,500.00
06/01/2026	-	-	28,500.00	28 500 00	
	55,000,00			20,500.00	-
12/01/2026	55,000.00	3.000%	28,500.00	83,500.00	112,000.00
12/01/2020	-	-	27,675.00	27,675.00	-
06/01/2027	55,000.00	3.000%	27,675.00	82,675.00	110,350.00
12/01/2027	-	-	26,850.00	26,850.00	-
06/01/2028	55,000.00	3.000%	26,850.00	81,850.00	108,700.00
12/01/2028	-	-	26,025.00	26,025.00	-
06/01/2029	60,000.00	3.000%	26,025.00	86,025.00	112,050.00
12/01/2029	-	-	25,125.00	25,125.00	-
06/01/2030	60,000.00	3.000%	25,125.00	85,125.00	110,250.00
12/01/2030	-	-	24,225.00	24,225.00	-
06/01/2031	60,000.00	3.000%	24,225.00	84,225.00	108,450.00
12/01/2031	-	-	23,325.00	23,325.00	-
06/01/2032	65,000.00	3.000%	23,325.00	88,325.00	111,650.00
12/01/2032	-	-	22,350.00	22,350.00	-
06/01/2033	65,000.00	3.000%	22,350.00	87,350.00	109,700.00
12/01/2033	-	-	21,375.00	21,375.00	-
06/01/2034	65,000.00	3.000%	21,375.00	86,375.00	107,750.00
12/01/2034	-	-	20,400.00	20,400.00	-
06/01/2035	70,000.00	3.000%	20,400.00	90,400.00	110,800.00
12/01/2035	-	-	19,350.00	19,350.00	-
06/01/2036	70,000.00	3.000%	19,350.00	89,350.00	108,700.00
12/01/2036	-	-	18,300.00	18,300.00	-
06/01/2037	70,000.00	3.000%	18,300.00	88,300.00	106,600.00
12/01/2037	-	-	17,250.00	17,250.00	-
06/01/2038	75,000.00	3.000%	17,250.00	92,250.00	109,500.00
12/01/2038	-	-	16,125.00	16,125.00	-
06/01/2039	75,000.00	3.000%	16,125.00	91,125.00	107,250.00
12/01/2039	-	-	15,000.00	15,000.00	-
06/01/2040	80,000.00	3.000%	15,000.00	95,000.00	110,000.00
12/01/2040	-	-	13,800.00	13,800.00	-
06/01/2041	80,000.00	3.000%	13,800.00	93,800.00	107,600.00
12/01/2041	-	-	12,600.00	12,600.00	-
06/01/2042	85,000.00	3.000%	12,600.00	97,600.00	110,200.00
12/01/2042	-	-	11,325.00	11,325.00	-
06/01/2043	85,000.00	3.000%	11,325.00	96,325.00	107,650.00
12/01/2043	-	-	10,050.00	10,050.00	-
06/01/2044	90,000.00	3.000%	10,050.00	100,050.00	110,100.00
			8,700.00	8,700.00	-
12/01/2044	-	-	0,700.00	0,700.00	
	- 90,000.00	3.000%	8,700.00	98,700.00	107,400.00
4	90,000.00	3.000%			107,400.00

Date

06/01/2023

12/01/2023

06/01/2024

12/01/2024

Part 1 of 2

## \$2,000,000

## Jefferson County, Tennessee General Obligation Bonds, Series 2022 Nursing Home - TIC - 2.7701%

		Debt	t Service		
					Part 2 of 2
Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
06/01/2046	90,000.00	3.000%	7,350.00	97,350.00	104,700.00
12/01/2046	-	-	6,000.00	6,000.00	
06/01/2047	95,000.00	3.000%	6,000.00	101,000.00	107,000.00
12/01/2047	-	-	4,575.00	4,575.00	
06/01/2048	100,000.00	3.000%	4,575.00	104,575.00	109,150.00
12/01/2048	-	-	3,075.00	3,075.00	
06/01/2049	100,000.00	3.000%	3,075.00	103,075.00	106,150.00
12/01/2049	-	-	1,575.00	1,575.00	
06/01/2050	105,000.00	3.000%	1,575.00	106,575.00	108,150.00
Total	\$2,000,000.00	-	\$940,350.00	\$2,940,350.00	
First Coupon Date					
First Serial Maturity					
Yield Statistics					3.0000000%
Weighted Average M					5.0000000

Cumberland Securities Company, Inc. Tennessee Public Finance - SPG

## Jefferson County, Tennessee

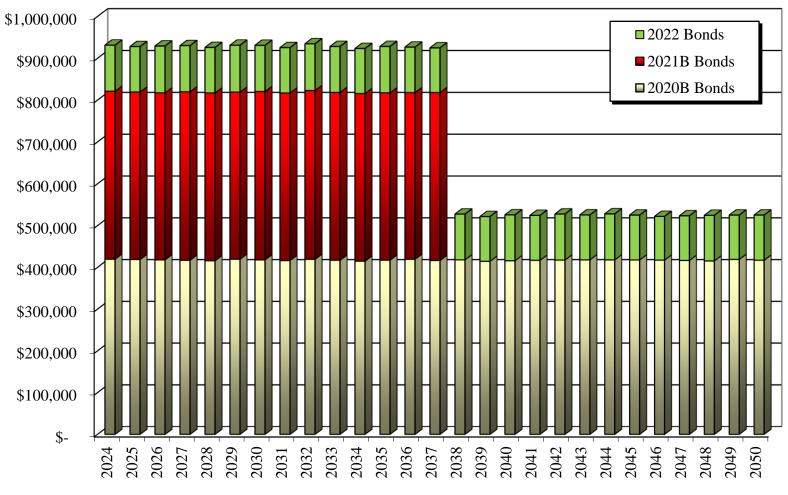
Total Combined Outstanding Debt Service

## Aggregate Debt Service

Date	Principal	Interest	Total P+I
06/30/2023	-	-	-
06/30/2024	550,000.00	381,375.00	931,375.00
06/30/2025	560,000.00	367,975.00	927,975.00
06/30/2026	575,000.00	354,325.00	929,325.00
06/30/2027	590,000.00	340,275.00	930,275.00
06/30/2028	600,000.00	325,875.00	925,875.00
06/30/2029	620,000.00	311,225.00	931,225.00
06/30/2030	635,000.00	296,025.00	931,025.00
06/30/2031	645,000.00	280,475.00	925,475.00
06/30/2032	670,000.00	264,675.00	934,675.00
06/30/2033	680,000.00	248,225.00	928,225.00
06/30/2034	690,000.00	233,375.00	923,375.00
06/30/2035	710,000.00	218,300.00	928,300.00
06/30/2036	725,000.00	201,750.00	926,750.00
06/30/2037	740,000.00	184,812.50	924,812.50
06/30/2038	360,000.00	167,550.00	527,550.00
06/30/2039	365,000.00	156,750.00	521,750.00
06/30/2040	380,000.00	145,800.00	525,800.00
06/30/2041	390,000.00	134,400.00	524,400.00
06/30/2042	405,000.00	122,700.00	527,700.00
06/30/2043	415,000.00	110,550.00	525,550.00
06/30/2044	430,000.00	98,100.00	528,100.00
06/30/2045	440,000.00	85,200.00	525,200.00
06/30/2046	450,000.00	72,000.00	522,000.00
06/30/2047	465,000.00	58,500.00	523,500.00
06/30/2048	480,000.00	44,550.00	524,550.00
06/30/2049	495,000.00	30,150.00	525,150.00
06/30/2050	510,000.00	15,300.00	525,300.00
Total	\$14,575,000.00	\$5,250,237.50	\$19,825,237.50

#### Par Amounts Of Selected Issues

NH - 2020B - 6-1-2029	7,650,000.00
NH - 2021B - 6-1-2029	4,925,000.00
NH - 2022 - 6-1-2029	2,000,000.00
TOTAL	14,575,000.00



## Jefferson County, Tennessee Total Combined Outstanding Debt Service - Nursing Home Only

Fiscal Year Ending June 30

# **Jefferson County, Tennessee** Fixed Rate vs Variable Debt Ratio - Nursing Home As of July 01, 2023

