

Debt Management

Debt Overview

Debt consists primarily of bonds (long-term debt), capital loan obligations (long-term debt) and bond anticipation notes (short-term debt). Bonds are issued to permanently finance general purpose and school projects; capital obligations fund wastewater infrastructure projects and are converted to Clean Water Fund loans at the completion of the project; notes provide temporary financing for general purpose projects. The debt service fund was created to account for expenditures and related payments made by the City for principal and interest payments for short-term and long-term debt. The debt service fund is not a budgetary fund. Deposits to the debt service fund are in the form of operating transfers out from the general fund or other Special Revenue Funds.

Shown below is a chart summarizing the long-term debt obligations of the City of Bristol including the self-supporting water (enterprise fund) debt. Displayed on the chart is the original issue amount, the fiscal year maturity and the balance as of July 1, 2019.

Debt Summary Long-Term Debt As of July 1, 2019						
Issue	Purpose	Rate	Original Issue	Balance Outstanding	Fiscal Year Maturity	
6/30/2002	Cleanwater Loan 415 D/C	2.00	1,409,533	166,062	2021	
6/30/2002	Cleanwater Loan 498 D/C	2.00	1,483,380	174,761	2021	
12/31/2003	Cleanwater Loan 504 C	2.00	1,488,101	302,282	2023	
11/30/2004	Cleanwater Loan 562 C	2.00	693,527	176,176	2024	
5/31/2006	Cleanwater 464 C	2.00	470,225	180,715	2026	
6/15/2011	Water 2014 - Old Wolcott Tank	2.00	501,000	378,980	2033	
8/24/2011	General Improvement 2011 Refunding Bonds	3.00	15,589,000	6,222,000	2023	
8/24/2011	School 2011 Refunding Bonds	3.00	6,234,000	2,779,000	2023	
8/24/2011	Water 2011 Refunding Bonds	3.00	2,112,000	924,000	2023	
9/30/2015	Water 2016 Note - Grove Street Tank	2.00	344,155	279,444	2035	
11/17/2015	Schools 2015 Refunding Bonds	3.06	2,991,000	149,000	2025	
11/17/2015	General Improvement 2015 Refunding Bonds	3.06	4,126,000	3,086,000	2025	
1/20/2016	Cleanwater 2015 - I/O Reduction 622-CSL	2.00	631,833	508,402	2035	
3/30/2016	Cleanwater Loan 640 DC	2.00	7,530,046	7,272,690	2038	
5/30/2017	General Improvement 2017 Bonds	2.25	17,739,000	16,690,000	2035	
5/30/2017	Schools 2017 Bonds	2.25	3,391,000	3,195,000	2035	
11/9/2017	General Improvement 2017 Refunding Bonds	3.00v	5,437,000	5,185,000	2030	
11/9/2017	Schools 2017 Refunding Bonds	3.00v	16,094,000	15,351,000	2030	
11/9/2017	Sewer 2017 Refunding Bonds	3.00v	3,401,000	3,244,000	2030	
11/9/2017	Water 2017 Refunding Bonds	3.00v	503,000	480,000	2030	
10/25/2018	General Improvement 2018 Series A Bonds	2.5-5.0	18,094,096	18,094,096	2039	
10/25/2018	Schools 2018 Series A Bonds	2.5-5.0	4,280,904	4,280,904	2039	
10/25/2018	Sewer 2018 Series A Bonds	2.5-5.0	125,000	125,000	2039	
10/25/2018	General Improvement 2018 Series B Taxable Bonds	3.65-4.05	7,900,000	7,900,000	2039	
			\$ 122,568,800	\$ 97,144,510		

Debt Policy

The City adopted a debt policy in 2001 that can be found behind the Policy Initiatives tab of this document.

The City issues debt only for projects included in its Capital Improvement Program, approved in its annual capital budget or presented as a one-time opportunity during the year. Before doing so, the City reviews the status of previously approved projects, develops information for new projects, and examines capital project alternatives. Debt levels are carefully analyzed to assess how much borrowing to allow. Taken into consideration are environmental factors such as community needs and resources; external economic conditions; financial factors, such as expected year-end operating position, financial condition, proposed debt structure, market conditions, and fund balance levels; as well as statistical benchmarks known to be considered by rating agencies. Used in combination, these factors help the current debt service decision making process.

Connecticut municipalities fall under state laws to keep debt issuances within statute-provided limits. While these authorized versus issued limits are set reasonably high, the City's total debt outstanding is well below these limits. A Schedule of Legal Debt Limitation, presented later in this section, shows the calculation of the debt limitation imposed by the State, the debt authorized by the City and the amount of debt limitation in excess of authorized and outstanding debt.

Long-term Strategy

Capital infrastructure is essential to all municipalities large and small. It is important to prepare a short-term and a long-term plan for the replacement of and/or addition to the City's infrastructure and fixed assets and to estimate available funding sources. To implement both plans (short-term and long-term), the City prepares a Capital Improvement Program (CIP). The CIP is a multi-year plan that identifies capital projects to be funded during a ten year planning period. This represents the City's long-term infrastructure plan. The City also approves a Capital Budget, which represents the first year of the CIP and is the City's annual appropriation for capital spending and is legally adopted by the City.

City officials recognize that the City's CIP is dependent upon debt service for funding but have historically preferred not to issue new debt annually.

To fund its capital projects, the City uses a mix of cash provided by current revenues, state and federal grants and loans, intergovernmental contributions, and the issuance of bonds. The amounts that can be budgeted and expended for debt service have a direct relationship to the City's strategies for financing capital improvements.

Bond Rating

The Government Finance Officers Association (GFOA) [Elected Official's Guide to Rating Agency Presentations](#) describes a bond rating as an independent assessment of the relative credit risk associated with purchasing and holding a particular bond, and the likelihood that the obligation will be repaid. The rating focuses on the City's ability and willingness to make full and timely payments.

In assigning a credit rating, the rating agency will focus on four primary factors: economic base (tax base and demographics), financial performance (financial position and/or changes in financial position), debt management (total debt and ability to pay) and administration (organization and authority).

The City maintains ratings from Moody's Investor Services, Standard & Poor's Rating Service and Fitch, Inc.

Debt Management

Below is a chart showing the City of Bristol's bond ratings for recent bond issues. Bond ratings above an A indicate the bonds are rated high and indicate a very strong capacity to pay.

CITY OF BRISTOL BOND ISSUE RATINGS				
<u>Issue Date</u>	<u>Amount</u>	<u>Moody's Rating</u>	<u>Standard & Poor's Rating</u>	<u>Fitch's Rating</u>
October 25, 2018 A	\$22,500,000		AA+	AAA
October 25, 2018 B	\$7,900,000		AA+	AAA
November 9, 2017	\$25,435,000		AA+	
May 30, 2017	\$21,130,000	Aa2	AA+	AAA

Recent Debt Service Issuances

The City's most recent long-term debt issuances were; October 25, 2018, Series A, Tax-Exempt with a total of \$22,500,000 issued; October 25, 2018, Series B, Federally Taxable with a total of \$7,900,000 issued; November 9, 2017 (refunding), with a total of \$25,435,000 issued to refund outstanding debt related to the 2011 general obligation issue; May 30, 2017, with a total of \$21,130,000 issued.

Current Debt Service Budget

The City's debt service for 2019-2020 for bonded debt is \$10,159,720, as shown in the following schedules. The City has reduced this amount by \$181,760, the amount to be paid by Water Pollution Control (WPC) and by using \$127,960 of debt reserves for a net budgeted General Fund amount for 2019-2020 of \$9,850,000.

The 2020 budget for bonded City sewer debt, as shown in the amortization tables later in this section, is \$355,168. The WPC budget found in the Special Revenue tab of this document references its transfer out to debt service of \$138,000, which is its payment share of \$181,760 above less the 2020 portion of a 2016 credit being applied over a multi-year period.

Annual Debt Service in Total and By Type:

EXPENDITURE SUMMARY FOR DEBT SERVICE

ORGCODE	DESCRIPTION	2018 ACTUAL EXPENDITURE	2019 ORIGINAL BUDGET	2019 REVISED BUDGET	2020 BUDGET REQUEST	2020 JOINT BOARD
DEBT1019	LONG TERM DEBT PRINCIPAL PAYMENT	\$6,340,000	\$6,192,000	\$6,192,000	\$6,931,005	\$6,931,005
DEBT1019	LONG TERM DEBT INTEREST PAYMENT	2,161,196	2,682,730	2,682,730	3,228,715	3,228,715
DEBT1019	SHORT TERM DEBT PRINCIPAL PAYMENT	0	0	0	0	0
DEBT1019	SHORT TERM DEBT INTEREST PAYMENT	128,593	163,000	163,000	0	0
TOTAL DEBT SERVICE		\$8,629,789	\$9,037,730	\$9,037,730	\$10,159,720	\$10,159,720

Debt Management

DEBT LONG TERM DEBT- PRINCIPAL

OBJECT	PROJECT	DESCRIPTION	2018 ACTUAL EXPENDITURE	2019 ORIGINAL BUDGET	2019 REVISED BUDGET	2020 BUDGET REQUEST	2020 JOINT BOARD
LONG TERM DEBT- PRINCIPAL							
588111		SCHOOL DEBT	\$3,130,000	\$2,420,000	\$2,420,000	\$2,044,905	\$2,044,905
588112		GENERAL IMPROVEMENT	2,897,000	3,645,000	3,645,000	4,677,100	\$4,677,100
588115		SEWER OPERATING DEBT	313,000	127,000	127,000	209,000	\$209,000
TOTAL LONG TERM DEBT PRINCIPAL			\$6,340,000	\$6,192,000	\$6,192,000	\$6,931,005	\$6,931,005

DEBT LONG TERM DEBT- INTEREST

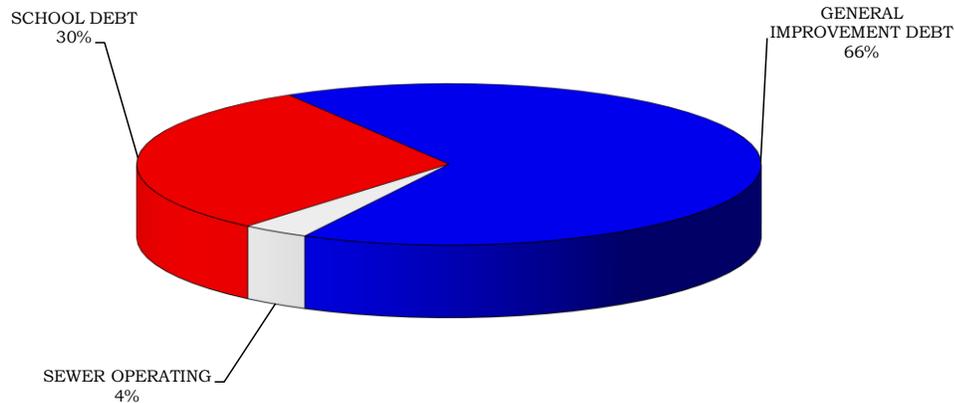
OBJECT	PROJECT	DESCRIPTION	2018 ACTUAL EXPENDITURE	2019 ORIGINAL BUDGET	2019 REVISED BUDGET	2020 BUDGET REQUEST	2020 JOINT BOARD
LONG TERM DEBT INTEREST							
588121		SCHOOL DEBT	\$801,835	\$968,705	\$968,705	\$1,034,735	\$1,034,735
588122		GENERAL IMPROVEMENT	1,256,948	1,565,565	\$1,565,565	2,047,810	\$2,047,810
588125		SEWER OPERATING DEBT	102,413	148,460	\$148,460	146,170	\$146,170
TOTAL LONG TERM DEBT INTEREST			\$2,161,196	\$2,682,730	\$2,682,730	\$3,228,715	\$3,228,715

DEBT SHORT TERM DEBT INTEREST

OBJECT	PROJECT	DESCRIPTION	2018 ACTUAL EXPENDITURE	2019 ORIGINAL BUDGET	2019 REVISED BUDGET	2020 BUDGET REQUEST	2020 JOINT BOARD
DEBT SERVICE TRANSFER OUT							
588122		GENERAL IMPROVEMENT DEBT- INTEREST	\$128,593	\$163,000	\$163,000	\$0	\$0
TOTAL DEBT SERVICE TRANSFER OUT			\$128,593	\$163,000	\$163,000	\$0	\$0
TOTAL DEBT SERVICE TRANSFER OUT			\$128,593	\$163,000	\$163,000	\$0	\$0

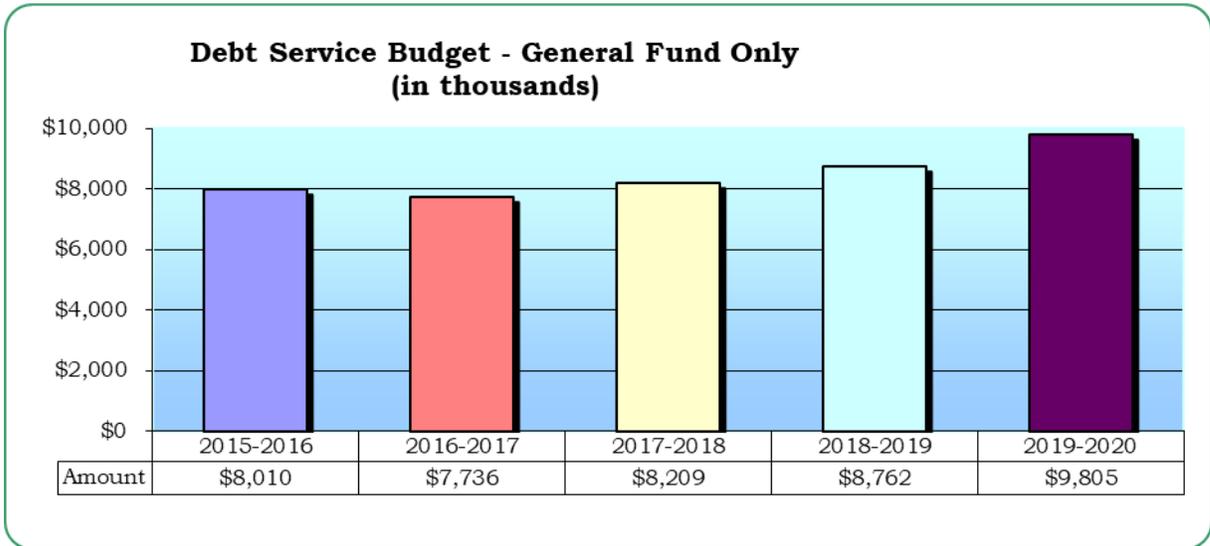
The graph below illustrates three categories for long-term debt service for FY 2019-2020.

DEBT PRINCIPAL AND INTEREST SUMMARY 2019-2020



Debt Management

Shown below are the expenditures in the debt service fund during the past five fiscal years for the General Fund, which excludes the Water Pollution Control (sewer) debt.



Capital Projects

The approved 2020 Capital Budget of \$7,034,615 may be found in the Capital Budget Summary tab of this document. The City will fund \$4,692,615 capital projects with future bonding.

In October 2018, the City issued \$22,500,000 in long-term tax-exempt bonds and \$7,900,000 in federally taxable bonds, the proceeds of which were used to retire Bond Anticipation Notes totaling \$15,800,000 that had temporarily financed a number of capital projects. Additional proceeds were used to fund other capital projects including the new Centre Square infrastructure project (\$3,525,298), various school building improvements (\$2,405,000), fire department apparatus replacements (\$1,150,000) and numerous parks and public works projects.

Clean Water Fund Loans

The State Clean Water Fund provides a combination of grants and loans to municipalities to undertake wastewater infrastructure projects at the direction of the Department of Energy and Environmental Protection (DEEP).

The City has taken advantage of the program and entered into Project Loan and Project Grant Agreements from 2002 through 2016 with DEEP. The latest City Clean Water Fund loan (640-DC) was completed in September 2018. The loan for \$7,530,046, along with a grant of \$7,233,846, financed the upgrade of the WPC wastewater treatment plant to be able to reduce phosphorus compounds in its effluent discharge. The loan is payable in monthly installments including interest at 2% per annum through a maturity date of August 2038.

An amortization table showing the cumulative loan balance as of July 1, 2019 and future debt service requirements can be found later in this section.

Bond Anticipation Notes

Bond Anticipation Notes are issued to provide temporary financing for general purpose projects. As of June 30, 2018, the balance of tax exempt General Obligation Notes was \$15,800,000. These notes had temporarily financed a number of capital projects including the purchase of land, demolition, abatement, clean-up and other work at the former Bristol Centre Mall site; a new radio communications system replacement; streetlights upgrade; and various other road and infrastructure projects.

These notes were paid in full with proceeds of the tax-exempt and federally taxable bonds of \$22,500,000 and \$7,900,000, respectively, issued in October 2018 and as described above.

Following are summary amortization schedules for the City of Bristol’s outstanding debt. All debt types - general improvement, school, sewer, water (enterprise fund) and Clean Water Loans - are presented. Each schedule shows the beginning principal balance, principal payments, interest payments and the ending principal balance as well as the cumulative principal percent of debt retired.

All City Long-term Debt (excluding water)						
As of July 1, 2019						
(Pro-Forma)						
Fiscal Year Ended	Principal	Principal	Interest	Total	Principal	Cumulative %
June 30	Beginning Balance	Payments	Payments	Payments	Ending Balance	Principal Retired
2019					\$ 95,082,087	20.2
2020	\$ 95,082,087	\$ 7,590,287	\$ 3,398,371	\$ 10,988,658	\$ 87,491,800	26.5
2021	\$ 87,491,800	\$ 8,029,595	\$ 3,062,018	\$ 11,091,613	\$ 79,462,205	33.3
2022	\$ 79,462,205	\$ 8,111,583	\$ 2,703,022	\$ 10,814,605	\$ 71,350,622	40.1
2023	\$ 71,350,622	\$ 6,990,953	\$ 2,375,711	\$ 9,366,664	\$ 64,359,669	46.0
2024	\$ 64,359,669	\$ 5,734,232	\$ 2,088,815	\$ 7,823,047	\$ 58,625,437	50.8
2025	\$ 58,625,437	\$ 5,780,541	\$ 1,834,350	\$ 7,614,891	\$ 52,844,896	55.6
2026	\$ 52,844,896	\$ 5,302,584	\$ 1,642,458	\$ 6,945,042	\$ 47,542,312	60.1
2027	\$ 47,542,312	\$ 5,312,068	\$ 1,467,521	\$ 6,779,589	\$ 42,230,244	64.5
2028	\$ 42,230,244	\$ 5,325,022	\$ 1,297,889	\$ 6,622,911	\$ 36,905,222	69.0
2029	\$ 36,905,222	\$ 5,328,136	\$ 1,127,171	\$ 6,455,307	\$ 31,577,086	73.5
2030	\$ 31,577,086	\$ 5,336,415	\$ 953,919	\$ 6,290,334	\$ 26,240,671	78.0
2031	\$ 26,240,671	\$ 5,339,860	\$ 774,197	\$ 6,114,057	\$ 20,900,811	82.5
2032	\$ 20,900,811	\$ 3,270,475	\$ 635,018	\$ 3,905,493	\$ 17,630,336	85.2
2033	\$ 17,630,336	\$ 3,279,265	\$ 535,541	\$ 3,814,806	\$ 14,351,071	88.0
2034	\$ 14,351,071	\$ 3,288,233	\$ 434,943	\$ 3,723,176	\$ 11,062,838	90.7
2035	\$ 11,062,838	\$ 3,281,421	\$ 333,272	\$ 3,614,693	\$ 7,781,417	93.5
2036	\$ 7,781,417	\$ 2,028,044	\$ 230,298	\$ 2,258,342	\$ 5,753,373	95.2
2037	\$ 5,753,373	\$ 2,036,784	\$ 163,554	\$ 2,200,338	\$ 3,716,589	96.9
2038	\$ 3,716,589	\$ 2,045,702	\$ 96,529	\$ 2,142,231	\$ 1,670,887	98.6
2039	\$ 1,670,887	\$ 1,670,887	\$ 30,720	\$ 1,701,607	\$ -	100.0
Totals :	\$ 95,082,087	\$ 25,185,318	\$ 120,267,405			

Debt Management

School Long-term Debt As of July 1, 2019 (Pro-Forma)						
Fiscal Year Ended June 30	Principal Beginning Balance	Principal Payments	Interest Payments	Total Payments	Principal Ending Balance	Cumulative % Principal Retired
2019					\$ 25,754,904	21.9
2020	\$ 25,754,904	\$ 2,044,904	\$ 1,034,734	\$ 3,079,638	\$ 23,710,000	28.1
2021	\$ 23,710,000	\$ 2,299,000	\$ 934,976	\$ 3,233,976	\$ 21,411,000	35.1
2022	\$ 21,411,000	\$ 2,357,000	\$ 822,556	\$ 3,179,556	\$ 19,054,000	42.2
2023	\$ 19,054,000	\$ 2,398,000	\$ 712,271	\$ 3,110,271	\$ 16,656,000	49.5
2024	\$ 16,656,000	\$ 1,731,000	\$ 613,906	\$ 2,344,906	\$ 14,925,000	54.8
2025	\$ 14,925,000	\$ 1,755,000	\$ 529,206	\$ 2,284,206	\$ 13,170,000	60.1
2026	\$ 13,170,000	\$ 1,752,000	\$ 452,769	\$ 2,204,769	\$ 11,418,000	65.4
2027	\$ 11,418,000	\$ 1,764,000	\$ 382,591	\$ 2,146,591	\$ 9,654,000	70.7
2028	\$ 9,654,000	\$ 1,767,000	\$ 317,951	\$ 2,084,951	\$ 7,887,000	76.1
2029	\$ 7,887,000	\$ 1,762,000	\$ 253,001	\$ 2,015,001	\$ 6,125,000	81.4
2030	\$ 6,125,000	\$ 1,767,000	\$ 187,676	\$ 1,954,676	\$ 4,358,000	86.8
2031	\$ 4,358,000	\$ 1,764,000	\$ 121,286	\$ 1,885,286	\$ 2,594,000	92.1
2032	\$ 2,594,000	\$ 423,000	\$ 81,637	\$ 504,637	\$ 2,171,000	93.4
2033	\$ 2,171,000	\$ 423,000	\$ 68,529	\$ 491,529	\$ 1,748,000	94.7
2034	\$ 1,748,000	\$ 424,000	\$ 55,265	\$ 479,265	\$ 1,324,000	96.0
2035	\$ 1,324,000	\$ 424,000	\$ 41,845	\$ 465,845	\$ 900,000	97.3
2036	\$ 900,000	\$ 224,000	\$ 28,145	\$ 252,145	\$ 676,000	98.0
2037	\$ 676,000	\$ 225,000	\$ 20,288	\$ 245,288	\$ 451,000	98.6
2038	\$ 451,000	\$ 225,000	\$ 12,413	\$ 237,413	\$ 226,000	99.3
2039	\$ 226,000	\$ 226,000	\$ 4,238	\$ 230,238	\$ -	100.0
Totals:		\$ 25,754,904	\$ 6,675,283	\$ 32,430,187		

General Improvement Long-term Debt As of July 1, 2019 (Pro-Forma)						
Fiscal Year Ended June 30	Principal Beginning Balance	Principal Payments	Interest Payments	Total Payments	Principal Ending Balance	Cumulative % Principal Retired
2019					\$ 57,177,096	17.0
2020	\$ 57,177,096	\$ 4,677,096	\$ 2,047,805	\$ 6,724,901	\$ 52,500,000	23.8
2021	\$ 52,500,000	\$ 4,796,000	\$ 1,835,267	\$ 6,631,267	\$ 47,704,000	30.7
2022	\$ 47,704,000	\$ 4,977,000	\$ 1,613,889	\$ 6,590,889	\$ 42,727,000	38.0
2023	\$ 42,727,000	\$ 3,845,000	\$ 1,420,458	\$ 5,265,458	\$ 38,882,000	43.6
2024	\$ 38,882,000	\$ 3,306,000	\$ 1,254,558	\$ 4,560,558	\$ 35,576,000	48.4
2025	\$ 35,576,000	\$ 3,336,000	\$ 1,106,923	\$ 4,442,923	\$ 32,240,000	53.2
2026	\$ 32,240,000	\$ 2,859,000	\$ 1,013,775	\$ 3,872,775	\$ 29,381,000	57.3
2027	\$ 29,381,000	\$ 2,864,000	\$ 929,863	\$ 3,793,863	\$ 26,517,000	61.5
2028	\$ 26,517,000	\$ 2,865,000	\$ 844,385	\$ 3,709,385	\$ 23,652,000	65.7
2029	\$ 23,652,000	\$ 2,865,000	\$ 758,310	\$ 3,623,310	\$ 20,787,000	69.8
2030	\$ 20,787,000	\$ 2,859,000	\$ 670,258	\$ 3,529,258	\$ 17,928,000	74.0
2031	\$ 17,928,000	\$ 2,858,000	\$ 576,960	\$ 3,434,960	\$ 15,070,000	78.1
2032	\$ 15,070,000	\$ 2,405,000	\$ 491,940	\$ 2,896,940	\$ 12,665,000	81.6
2033	\$ 12,665,000	\$ 2,405,000	\$ 414,585	\$ 2,819,585	\$ 10,260,000	85.1
2034	\$ 10,260,000	\$ 2,404,000	\$ 336,445	\$ 2,740,445	\$ 7,856,000	88.6
2035	\$ 7,856,000	\$ 2,404,000	\$ 257,521	\$ 2,661,521	\$ 5,452,000	92.1
2036	\$ 5,452,000	\$ 1,364,000	\$ 177,203	\$ 1,541,203	\$ 4,088,000	94.1
2037	\$ 4,088,000	\$ 1,363,000	\$ 127,301	\$ 1,490,301	\$ 2,725,000	96.0
2038	\$ 2,725,000	\$ 1,363,000	\$ 77,314	\$ 1,440,314	\$ 1,362,000	98.0
2039	\$ 1,362,000	\$ 1,362,000	\$ 26,160	\$ 1,388,160	\$ -	100.0
Totals:		\$ 57,177,096	\$ 15,980,920	\$ 73,158,016		

Debt Management

Sewer Long-term Debt As of July 1, 2019 (Pro-Forma)						
Fiscal Year Ended June 30	Principal Beginning Balance	Principal Payments	Interest Payments	Total Payments	Principal Ending Balance	Cumulative % Principal Retired
2019					\$ 3,369,000	4.5
2020	\$ 3,369,000	\$ 209,000	\$ 146,168	\$ 355,168	\$ 3,160,000	10.4
2021	\$ 3,160,000	\$ 262,000	\$ 135,418	\$ 397,418	\$ 2,898,000	17.8
2022	\$ 2,898,000	\$ 267,000	\$ 122,193	\$ 389,193	\$ 2,631,000	25.4
2023	\$ 2,631,000	\$ 272,000	\$ 108,717	\$ 380,717	\$ 2,359,000	33.1
2024	\$ 2,359,000	\$ 278,000	\$ 94,967	\$ 372,967	\$ 2,081,000	41.0
2025	\$ 2,081,000	\$ 283,000	\$ 81,002	\$ 364,002	\$ 1,798,000	49.0
2026	\$ 1,798,000	\$ 287,000	\$ 66,888	\$ 353,888	\$ 1,511,000	57.1
2027	\$ 1,511,000	\$ 290,000	\$ 54,017	\$ 344,017	\$ 1,221,000	65.4
2028	\$ 1,221,000	\$ 291,000	\$ 42,457	\$ 333,457	\$ 930,000	73.6
2029	\$ 930,000	\$ 291,000	\$ 30,878	\$ 321,878	\$ 639,000	81.9
2030	\$ 639,000	\$ 292,000	\$ 19,282	\$ 311,282	\$ 347,000	90.2
2031	\$ 347,000	\$ 291,000	\$ 7,693	\$ 298,693	\$ 56,000	98.4
2032	\$ 56,000	\$ 7,000	\$ 1,798	\$ 8,798	\$ 49,000	98.6
2033	\$ 49,000	\$ 7,000	\$ 1,575	\$ 8,575	\$ 42,000	98.8
2034	\$ 42,000	\$ 7,000	\$ 1,348	\$ 8,348	\$ 35,000	99.0
2035	\$ 35,000	\$ 7,000	\$ 1,116	\$ 8,116	\$ 28,000	99.2
2036	\$ 28,000	\$ 7,000	\$ 875	\$ 7,875	\$ 21,000	99.4
2037	\$ 21,000	\$ 7,000	\$ 630	\$ 7,630	\$ 14,000	99.6
2038	\$ 14,000	\$ 7,000	\$ 385	\$ 7,385	\$ 7,000	99.8
2039	\$ 7,000	\$ 7,000	\$ 131	\$ 7,131	\$ -	100.0
Totals:		\$ 3,369,000	\$917,538	\$4,286,538		

Clean Water (SEWER) Loans As of July 1, 2019 (Pro-Forma)						
Fiscal Year Ended June 30	Principal Beginning Balance	Principal Payments	Interest Payments	Total Payments	Principal Ending Balance	Cumulative % Principal Retired
2019					\$ 8,781,087	35.9
2020	\$ 8,781,087	\$ 659,287	\$ 169,664	\$ 828,951	\$ 8,121,800	40.7
2021	\$ 8,121,800	\$ 672,595	\$ 156,357	\$ 828,952	\$ 7,449,205	45.7
2022	\$ 7,449,205	\$ 510,583	\$ 144,384	\$ 654,967	\$ 6,938,622	49.4
2023	\$ 6,938,622	\$ 475,953	\$ 134,265	\$ 610,218	\$ 6,462,669	52.9
2024	\$ 6,462,669	\$ 419,232	\$ 125,384	\$ 544,616	\$ 6,043,437	55.9
2025	\$ 6,043,437	\$ 406,541	\$ 117,219	\$ 523,760	\$ 5,636,896	58.9
2026	\$ 5,636,896	\$ 404,584	\$ 109,026	\$ 513,610	\$ 5,232,312	61.8
2027	\$ 5,232,312	\$ 394,068	\$ 101,050	\$ 495,118	\$ 4,838,244	64.7
2028	\$ 4,838,244	\$ 402,022	\$ 93,096	\$ 495,118	\$ 4,436,222	67.6
2029	\$ 4,436,222	\$ 410,136	\$ 84,982	\$ 495,118	\$ 4,026,086	70.6
2030	\$ 4,026,086	\$ 418,415	\$ 76,703	\$ 495,118	\$ 3,607,671	73.7
2031	\$ 3,607,671	\$ 426,860	\$ 68,258	\$ 495,118	\$ 3,180,811	76.8
2032	\$ 3,180,811	\$ 435,475	\$ 59,643	\$ 495,118	\$ 2,745,336	80.0
2033	\$ 2,745,336	\$ 444,265	\$ 50,852	\$ 495,117	\$ 2,301,071	83.2
2034	\$ 2,301,071	\$ 453,233	\$ 41,885	\$ 495,118	\$ 1,847,838	86.5
2035	\$ 1,847,838	\$ 446,421	\$ 32,790	\$ 479,211	\$ 1,401,417	89.8
2036	\$ 1,401,417	\$ 433,044	\$ 24,075	\$ 457,119	\$ 968,373	92.9
2037	\$ 968,373	\$ 441,784	\$ 15,335	\$ 457,119	\$ 526,589	96.2
2038	\$ 526,589	\$ 450,702	\$ 6,417	\$ 457,119	\$ 75,887	99.4
2039	\$ 75,887	\$ 75,887	\$ 191	\$ 76,078	\$ -	100.0
Totals:		\$ 8,781,087	\$ 1,611,576	\$ 10,392,663		

Debt Management

Self-Supporting Water Debt As of July 1, 2019 (Pro-Forma)							
Fiscal Year Ended	Principal	Principal	Interest	Total	Principal	Cumulative %	
June 30	Beginning Balance	Payments	Payments	Payments	Ending Balance	Principal Retired	
2019					\$ 2,062,424	40.4	
2020	\$ 2,062,424	\$ 307,007	\$ 67,722	\$ 374,729	\$ 1,755,417	49.3	
2021	\$ 1,755,417	\$ 316,774	\$ 54,625	\$ 371,399	\$ 1,438,643	58.4	
2022	\$ 1,438,643	\$ 318,557	\$ 41,117	\$ 359,674	\$ 1,120,086	67.6	
2023	\$ 1,120,086	\$ 285,357	\$ 29,782	\$ 315,139	\$ 834,729	75.9	
2024	\$ 834,729	\$ 81,171	\$ 23,208	\$ 104,379	\$ 753,558	78.2	
2025	\$ 753,558	\$ 83,001	\$ 20,353	\$ 103,354	\$ 670,557	80.6	
2026	\$ 670,557	\$ 84,849	\$ 17,430	\$ 102,279	\$ 585,708	83.1	
2027	\$ 585,708	\$ 85,714	\$ 14,675	\$ 100,389	\$ 499,994	85.5	
2028	\$ 499,994	\$ 86,595	\$ 12,114	\$ 98,709	\$ 413,399	88.1	
2029	\$ 413,399	\$ 87,496	\$ 9,533	\$ 97,029	\$ 325,903	90.6	
2030	\$ 325,903	\$ 88,415	\$ 6,934	\$ 95,349	\$ 237,488	93.1	
2031	\$ 237,488	\$ 89,351	\$ 4,318	\$ 93,669	\$ 148,137	95.7	
2032	\$ 148,137	\$ 48,307	\$ 2,522	\$ 50,829	\$ 99,830	97.1	
2033	\$ 99,830	\$ 49,285	\$ 1,544	\$ 50,829	\$ 50,545	98.5	
2034	\$ 50,545	\$ 35,149	\$ 612	\$ 35,761	\$ 15,396	99.6	
2035	\$ 15,396	\$ 15,396	\$ 127	\$ 15,523	\$ -	100.0	
Totals:		\$ 2,062,424	\$ 306,616	\$2,369,040			

Debt Management

Schedule of Legal Debt Limitation

State of Connecticut general statutes indicate that *in no case shall total indebtedness exceed seven times annual receipts from taxation.*

The following table shows the City of Bristol Debt Limitation and actual debt authorized in the five major categories: General Purpose, Schools, Sewers, Urban Renewal and Pension Deficit. The table clearly indicates that Bristol is well below the statutory requirements for debt issuance.

Schedule of Debt Limitation June 30, 2018

Total Fiscal Year 2018 tax collections (taxes, interest and fees)	\$ 140,996,000
Tax Relief for the Elderly - Freeze	2,000
Base for establishing debt limit	\$ 140,998,000

	General Purpose	Schools	Sewers	Urban Renewal	Pension Funding	Total
Debt Limitation:						
2 1/4 times base	\$ 317,245,500	\$ -	\$ -	\$ -	\$ -	\$ 317,245,500
4 1/2 times base	-	634,491,000	-	-	-	634,491,000
3 3/4 times base	-	-	528,742,500	-	-	528,742,500
3 1/4 times base	-	-	-	458,243,500	-	458,243,500
3 times base	-	-	-	-	422,994,000	422,994,000
Total debt limitation	317,245,500	634,491,000	528,742,500	458,243,500	422,994,000	2,361,716,500
Debt, as defined by Statute:						
Bonds and notes payable	57,177,096	25,754,904	12,150,087	-	-	95,082,087
Bond anticipation notes payable	-	-	-	-	-	-
Bonds authorized and unissued	37,381,021	141,075,282	11,595,922	-	-	190,052,225
State grant commitments	(27,964,268)	(62,127,698)	(7,194,466)	-	-	(97,286,432)
Total indebtedness	66,593,849	104,702,488	16,551,543	-	-	187,847,880
Debt limitation in excess of outstanding and authorized debt	\$ 250,651,651	\$ 529,788,512	\$ 512,190,957	\$ 458,243,500	\$ 422,994,000	\$ 2,173,868,620

Note: In no event shall total debt exceed seven times annual receipts from taxation. The maximum permitted under this formula would be \$986,986,000.

Debt Management

The following summary shows all the Capital Projects that have been approved by the City of Bristol that have not had long-term obligations issued at this time.

City of Bristol			
Bonding Appropriations Outstanding			
(Excluding Water of \$781,000)			
Bonding Type			Bonding Amount Outstanding
General	Brentwood Drive Reconstruction	\$	105,000
General	Centre Square Infrastructure Project		474,702
General	City Hall Office Building Program		350,000
General	City Hall Unit Heater/AC Perimeter Replacement		675,000
General	Down Street Bridge		45,000
General	Fire Apparatus		1,325,000
General	Fire Department- Engine 4		87,300
General	Heating , Hot Water DMAC		70,000
General	HJ Mills Parking Lot Construction		102,980
General	Lake Avenue Bridge Replacement		140,000
General	Louisiana Bridge		1,800,000
General	Mall Demolition/Abatement		110,000
General	Munchausen & Bartholomew Street Reconstruction		180,000
General	Page Park Pool and Bathhouse		3,000,000
General	PW Garage Architectural		68,000
General	Radio Communication System		135,700
General	Roadway Reclamation- Elizabeth, UCONN		28
General	Shrub Road Storm Drainage		115,000
General	Stevens Street Bridge- Richard Court Berm		502,000
General	Willis Street Reconstruction- Phase 2		1,043
General	Wolcott Street Reconstruction		130,000
		General	9,416,753
School	Chippens Hill Roof		669,181
School	Greene Hills (Forestville) K-8 School		7,940,268
School	Hubbell School Roof		708,305
School	Memorial Boulevard Intradistrict Arts Magnet School		54,890,300
School	Southside School HVAC Upgrade		3,597,160
School	Stafford School Roof		2,043,575
School	West Bristol K-8 School		9,098,795
		School	78,947,584
Sewer	Broad Street Pump Force Main		743,167
Sewer	Water Pollution Control Facility Upgrades		3,658,289
		Sewer	4,401,456
		Total \$	92,765,793

