

CAPITAL IMPROVEMENTS PLAN (CIP) SUBMISSIONS

Capital Program Development

Every year the Town updates its five-year capital improvements plan (CIP). The plan requires every department to look ahead and anticipate their capital needs separate and apart from the operating budget. This includes projects that cost at least \$50,000 and the asset having a useful life of three or more years. Departments submit their requests that include cost estimates, justification, department priority, location, time to complete, previous funding received as well as other information. A task force comprised of senior level management across all departments using a matrix, which evaluates each submission against ten (10) criteria, then rates all project submissions. The projects are ranked according to the score they received which is used as one criterion to recommend project funding. The total cost of projects submitted each fiscal year exceed the Town's ability to finance them over the next five years, so projects must be prioritized and opportunities for grants and other resources are constantly evaluated to assist in addressing this area of the budget. During this process, the town will also review the status of prior capital appropriations to see if there are any remaining funds available due to project savings that could be reauthorized for another purpose.

Submission Cost and Fiscal Year Summary

The capital projects identified by departments in this year's capital improvement plan process represent a total of \$79 million of requests for FY 2023 and a combined total of \$598 million over a five-year period. Of the \$598 million, \$156 million represents Enterprise Funds, \$226 million are General Fund requests and \$216 million are Comprehensive Wastewater Management Plan (CWMP) requests.

Projects are distributed by fund as follows:

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Fund	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Totals
Airport	3,287,000	2,010,000	15,780,000	13,500,000	20,750,000	55,327,000
Marina	-	7,050,000	-	-	-	7,050,000
Sandy Neck	-	3,450,000	-	-	-	3,450,000
HYCC	2,240,500	1,576,400	802,000	1,409,200	540,735	6,568,835
Water Pollution	15,185,000	2,809,000	2,737,000	1,875,000	2,433,000	25,039,000
Water Supply	2,795,000	5,850,000	16,250,000	31,250,000	1,250,000	57,395,000
Solid Waste	422,347	305,000	260,000	190,000	195,000	1,372,347
Totals	\$23,929,847	\$23,050,400	\$35,829,000	\$48,224,200	\$25,168,735	\$156,202,182

CWMP	\$5,250,000	\$30,300,000	\$97,625,000	\$26,900,000	\$5,5650,000	\$215,725,000
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Department	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Totals
Police Dept.	1,167,321	1,586,827	1,200,397	-	-	3,954,545
Insp. Services	80,000	-	-	-	-	80,000
Marine & Environ	2,284,227	5,306,000	6,280,000	7,550,000	3,322,030	24,742,257
Comm. Services	10,992,326	26,106,319	5,647,776	7,731,911	2,038,856	52,517,188
Public Works	33,498,986	39,467,055	19,761,327	12,761,636	5,496,967	110,985,971
Schools	8,488,984	7,350,000	6,950,000	7,050,000	4,000,000	33,838,984
Totals	\$56,511,844	\$79,816,201	\$39,839,500	\$35,093,547	\$14,857,853	\$226,118,945

FY 2023 CAPITAL IMPROVEMENT PLAN BUDGET

Several factors were taken into consideration when determining which projects to recommend for funding in Fiscal Year 2023. In addition to the scoring by the senior staff, funding considerations are directed towards projects that had received previous funding, and therefore, are ready for the next stage of development; projects that would contribute to the economic development of the Town; projects that would preserve important infrastructure components of the Town; projects that improve high usage assets; projects that have outside funding available to offset the costs or can be covered by user fees; and projects that have an important public safety component associated with them. The recommended projects total \$48 million. The General Fund totals \$27 million, the Enterprise Funds total \$21.6 million, and the CWMP totals \$5.2 million. Funding for the Enterprise Fund programs



Wastewater Treatment Facility Effluent Disposal Sand Beds

consists of using \$2 million of Enterprise Fund reserves and \$19.6 million in new borrowing authorizations. The grant funds received will reduce the amount of any bonds authorized or reserves needed to finance the Airport Enterprise Fund’s capital program. The bonds issued for the Enterprise Fund projects are expected to be paid back with Enterprise Fund revenues with the exception of the HYCC Mechanical Improvements. Funding for the General Fund portion of the program consists of \$4.1 million in General Fund reserves, \$3.7 million Capital Trust Fund (CTF) reserves, \$19 million in new borrowing authorizations, and the transfer of \$21,000 remaining funds from a previously appropriated project. Lastly, we are recommending \$1.5 million in reserves and \$3 million borrowing under the Sewer Construction & Private Way Improvement Special Revenue Fund, and \$750,000 in Capital Trust Fund reserves for the Comprehensive Wastewater Management Plan (CWMP)

COMPREHENSIVE WASTEWATER MANAGEMENT PLAN	
Council Order Number and Project Name	Total Cost
2022-081 - Effluent Disposal Alternatives Budget Impact: In 2020, the Town completed a groundwater-modeling project to quantify the amount of effluent that can be disposed of at the Barnstable WPCF. The study concluded that the WPCF is nearing the limits of its disposal capacity and that additional effluent disposal capacity will be required to accommodate the significant increase in flows proposed in the Town’s Comprehensive Wastewater Management Plan (CWMP).	\$1,000,000
2022-082 - Old Craigville Road Sewer Expansion – Survey and Preliminary Design Budget Impact: This request is for engineering. Construction of the project will increase WPCD operating costs because of increased routine maintenance, personnel needs, electricity, etc. associated with the new infrastructure. Revenue will be generated in the form of sewer assessments and sewer usage fees. Construction is anticipated to be completed in FY 2029 so operating expenses and revenue is not projected until that time.	\$600,000
2022-083 - Shootflying Hill Road Sewer Expansion – Survey and Preliminary Design Budget Impact: This request is for engineering. Construction of the project will increase WPCD operating costs because of increased routine maintenance, personnel needs, electricity, etc. associated with the new infrastructure. Revenue will be generated in the form of sewer assessments and sewer usage fees. Construction is anticipated to be completed in FY 2028 so operating expenses and revenue is not projected until that time.	\$375,000
2022-084 - Old Yarmouth Road Sewer Expansion – Survey and Preliminary Design Budget Impact: This request is for engineering. Construction of the project will increase routine maintenance for the WPCD because of the new infrastructure being added to the system. Construction of the project will increase WPCD	\$275,000

operating costs because of increased routine maintenance, personnel needs, electricity, etc. associated with the new infrastructure. Revenue will be generated in the form of sewer assessments and sewer usage fees. Construction is anticipated to be completed in FY 2027 so operating expenses and revenue is not projected until the following year.

2022-085 - Nitrogen Removal Improvements at WPCF \$3,000,000

Budget Impact: This request is for engineering. Construction will result in increased costs including routine maintenance, electricity, personnel, etc. for the WPCD. These costs will not be known until the on-going evaluation is completed and a technology is selected.

WATER POLLUTION CONTROL ENTERPRISE FUND

Council Order Number and Project Name	Total Cost
2022-086 - Pump Station Rehabilitation Program	\$2,860,000
Budget Impact: This project will reduce the amount of labor required to unclog pumps. Upgrading the HVAC systems will help prevent corrosion in the wet well which will help improve the longevity of the pump station equipment. Electrical efficiency improvements will reduce electric usage.	
2022-087 - 720 Main Street Pump Station Replacement	\$11,000,000
Budget Impact: This project will reduce reactive maintenance related to the upkeep of an aging pump station. A slight increase in electrical usage can be anticipated as part of this project, as the building footprint will be larger than the existing station. This will increase heating and ventilation costs. The upsized pump system will also increase the amount of electricity used at this station.	
2022-088 - Water Pollution Control Facility Improvements	\$330,000
Budget Impact: Routine preventative maintenance will continue with less time spent carrying out reactive maintenance and equipment repair.	
2022-089 - Sewer System Rehabilitation – Infiltration and Inflow Removal	\$760,000
Budget Impact: This project will reduce the amount of stormwater entering the sewer system and will reduce pump runtimes during wet weather events resulting in a slight decrease in electrical usage and wear and tear on pump equipment. Flows to the plant should decrease during wet weather events reducing the effect of these events on the treatment process while freeing up disposal capacity.	
2022-090 - Truck 247 Replacement	\$165,000
Budget Impact: Less vehicle maintenance can be expected during the first five to six years of service. There will be less reactive maintenance and downtime for Truck 247, ensuring that it will be available for maintenance and emergency response. This increased size of this truck and reach of the crane will help serve larger sized submersible pump stations, allowing for more design flexibility for CWMP projects.	
2022-091 - Truck 254 Replacement	\$70,000
Budget Impact: There will be less reactive maintenance and downtime for Truck 247, ensuring that it will be available for maintenance and emergency response.	

WATER SUPPLY ENTERPRISE FUND

Council Order Number and Project Name	Total Cost
2022-092 - Pipe Replacement and Upgrade Program	\$1,050,000
Budget Impact: The synergies of executing this project in conjunction with the sewer expansion program will result in construction cost savings.	
2022-093 - Straightway Filtration Plant Design	\$1,000,000
Budget Impact: Future materials like activated carbon, treatment chemicals will need to be purchased.	
2022-094 - Ocean Street Water Main Looping Project, Construction	\$480,000
Budget Impact: The synergies with this project are the combined construction efforts of the water main installation and the sidewalks construction.	

2022-095 - Wells, Pump Stations, Treatment Plant Repair and Upgrade Program	\$200,000
Budget Impact: No future materials will need to be purchased, and routine maintenance may be reduced.	
2022-096 - Mary Dunn 1 Water Storage Tank Painting Project, Design	\$65,000
Budget Impact: This project will not reduce routine maintenance. No future materials will need to be purchased.	

SOLID WASTE ENTERPRISE FUND	
Council Order Number and Project Name	Total Cost
2022-097 - Container Replacement (2 Units)	\$50,000
Budget Impact: The project can help with improved efficiencies and reduce the possibility of container failure, which would limit the ability to accept and transport materials. Welding and metal fabrication materials will be needed when the containers age and rust begins to show.	
2022-098 - Generator Replacement	\$130,000
Budget Impact: The project can help with improved efficiencies and reduce the possibility of closure due to power outage. Anticipated costs will be fuel needed to operate the generator and routine maintenance and any necessary repairs in the event of an unexpected breakdown.	
2022-099 - Transfer Station Maintenance Building Improvements	\$242,347
Budget Impact: An existing facility will be fully utilized.	

GENERAL FUND INFRASTRUCTURE:	
Council Order Number and Project Name	Total Cost
2022-100 - Public Roads Maintenance	\$3,750,000
Budget Impact: Investments in roadway maintenance projects can prevent more costly roadway improvements, such a full roadway reconstruction.	
2022-101 - Freshwater Ponds – Monitoring and Management Plan Program	\$136,400
Budget Impact: Not applicable. This project is an evaluation.	
2022-102 - Stormwater Improvements at Impaired Ponds	\$350,000
Budget Impact: Operation and maintenance is necessary for all stormwater systems to keep them functioning appropriately. Green infrastructure (dry swales, bioretention, etc.) solutions require less O&M than grey infrastructure (leaching catch basins).	
2022-103 - Ocean Street Sidewalks and Kalmus Beach Entrance Project Construction	\$2,950,000
Budget Impact: The new sidewalk will require an increase in maintenance costs (plowing, etc.).	
2022-104 - Department of Public Works Offices Expansion Design	\$283,989
Budget Impact: This project expands office needs and replaces space lost from past removal of trailers; however, a custodian would be required for increased square footage.	
2022-105 - Snows Creek Culvert Replacement Project - Construction	\$1,400,000
Budget Impact: Maintenance for new sidewalk/culvert will be through operating budget.	
2022-106 - Emergency Generator Implementation Plan	\$431,313
Budget Impact: This project makes existing facilities more versatile.	

2022-107 - Town Hall Mechanical Improvements	\$2,025,852
Budget Impact: This project continues work funded in previous years.	
2022-108 - School Administration Building Mechanical Cooling Upgrades – Phase II	\$1,906,100
Budget Impact: There is a 5% to 8% energy savings expected from mechanical upgrades.	
2022-109 - Cape Cod Airfield Fuel Tank Replacement	\$231,000
Budget Impact: These renovations are not expected to have a measurable impact on the Operating Budget.	
2022-110 - Barnstable Police Department Improvements	\$1,167,321
Budget Impact: This project continues restoration of an existing facility, limiting the need for a new facility at greater cost.	
2022-111- Hyannis Youth and Community Center Facility Mechanical Improvements	\$1,770,000
Budget Impact: This project should reduce routine maintenance cost at the facility.	
2022-112 - Centerville Recreation Playground & Site Improvements	\$827,376
Budget Impact: Routine maintenance may be reduced.	
2022-113 - Hathaway’s Pond Bathhouse and Site Improvements	\$450,000
Budget Impact: Potential reduction in routine maintenance.	
2022-114 - Beach Parking Lot Rehabilitation - Keyes Memorial Beach	\$290,000
Budget Impact: Parking lots are maintained through the existing operating budget.	
2022-115 - Marine & Environmental Affair Interior Improvements	\$289,604
Budget Impact: N/A	
2022-116 - Long Pond Fishway Design and Permitting	\$50,000
Budget Impact: N/A	
2022-117 - McCarthy’s Landing Dinghy Dock Design and Permitting	\$65,000
Budget Impact: No, similar maintenance will be necessary occur upon replacement of the dinghy dock. This project includes anticipated increases in supplies, maintenance cost, electricity cost, and/or personnel costs.	
2022-118 - Mill Pond Fishway Design, Permitting, and Construction	\$120,000
Budget Impact: This project will reduce the required maintenance by improving the fish run and dam.	
2022-119 - Town Wide Bulkhead Assessments	\$150,000
Budget Impact: Future routine maintenance or potential large capital cost may be mitigated.	
2022-120 - Replace Measurement Compliance Unit (F-350 or equivalent)	\$80,000
Budget Impact: It will not reduce routine maintenance but it will reduce unforeseen maintenance costs associated with an older vehicle.	

SCHOOL FACILITIES:

Council Order Number and Project Name	Total Cost
2022-121 - Barnstable High School/Barnstable Intermediate School (BHS/BIS) Roof Top Unit Ventilator (RTU) Replacement Budget Impact: 10%/year energy savings	\$4,156,984
2022-122 - District Wide Door and Window Replacement Budget Impact: Potential reduced routine maintenance. 5%/year energy savings	\$1,000,000
2022-123 - Barnstable West Barnstable, Barnstable Community Innovation School and Centerville Elementary School Emergency Generators Budget Impact: \$2,000/yr	\$650,000
2022-124 - Barnstable High School Tennis Court Replacement Budget Impact: N/A	\$1,622,000
2022-125 - Transportation / Facilities Fuel Pump & Vehicle Lift Replacement Budget Impact: N/A	\$60,000
2022-126 - BPS Campus Wide Paving and Sidewalk Repair Budget Impact: N/A	\$350,000
2022-127 - Campus Wide Mechanical Upgrades (Burners, Boilers, HVAC & Pump Systems) Budget Impact: N/A	\$250,000
2022-128 - Campus Wide Flooring Replacement and Upgrades Budget Impact: N/A	\$100,000
2022-129 - Electric Utility Transformer Upgrade Budget Impact: N/A	\$300,000

AIRPORT ENTERPRISE FUND

Council Order Number and Project Name	Total Cost
2022-130 - Replace 1992 ARFF Equipment (ARFF Class IV Vehicle with High Reach Extendable Turret (HRET)) - Airport #820 (ARFF Truck and Equipment) Budget Impact: Future parts, firefighting foams, and fuel cost will be impact by this vehicle purchase.	\$978,000
2022-131 - Reporting, Testing, Mitigation, Monitoring (PFOS Soils) Phase IV Budget Impact: Ongoing impact is still unknown.	\$105,000
2022-132 - PFAS Mitigation Design and Implementation Budget Impact: Ongoing impact is still unknown.	\$1,004,000
2022-133 - Replacement of Mo-Gas and Diesel Fuel Con-Vault, Gas Boy & Alarm, and Emergency Generator Budget Impact: New facility will reduce labor, maintenance costs, and upgrade to a newer system with updated spill prevention. However, there will be maintenance fees associated with this project to maintain system; most of which will be borne on tenants.	\$1,200,000

FIVE YEAR FUNDING PLAN

A total of 170 projects amounting to \$598 million were submitted for requests over the next 5 years. This includes General Fund, Comprehensive Wastewater Management Plan (CWMP), and all Enterprise Funds. The town has several funding sources to finance its capital program: the Capital Trust Fund, which is used to finance General Fund capital, General Fund reserves, each individual Enterprise Fund, a new Stabilization Fund in which 100% of the local rooms tax on vacation rentals is credited, and the Sewer Construction & Private Way Maintenance and Improvement Fund.

The Capital Trust Fund is a mechanism that allows the town to accumulate funds from various sources to finance its General Fund supported capital program. These resources include property taxes, fees, rental income, revenue from renewable energy projects, investment income, free cash reserves, and excess overlay reserves. A transfer is made annually from the General Fund with a projected transfer for FY 2023 of \$12 million. This transfer will be part of the annual operating budget.

A newer funding tool in the form of the Sewer Construction & Private Way Maintenance and Improvement Fund was created. The state legislature approved a home rule petition that allows the town to credit one-hundred percent (100%) of the local meals tax and one-third (33%) of the local room's tax on traditional lodging to this fund. The town may appropriate monies in the fund for planning, designing, and construction of sewers and other means of comprehensive wastewater management and maintenance and improvement of private ways. This will be used to fund a portion of the Comprehensive Wastewater Management Plan (CWMP). In addition, the state legislature recently implemented a law change that requires the room occupancy tax to be applied to short-term rental property. The town has dedicated one-hundred (100%) of this to a Stabilization Fund called the Comprehensive Management of Water and Wastewater, which supports the Comprehensive Wastewater Management Plan (CWMP) and the Water Supply capital program.

Most of the Enterprise Fund's capital improvements are financed by the respective enterprise fund operation through a combination of user fees and grant funding. Hyannis Youth & Community Center (HYCC) is the exception because it is unable to cover the cost of operations and capital needs through its user fees. Furthermore, some future Enterprise Fund projects may require General Fund subsidies as the impact to user fees may be to significant due to the cost of the projects.

The schedules on the following pages illustrate what a five-year Capital Improvement Plan might look like. Many of the projects that went through the evaluation process in the development of this year's Capital Improvement Plan can be funded over the next five years. The projects listed under FY 2023 are recommended for funding in this year's plan. The outer years of 2024 to 2027 are shown for illustrative purposes only. It is anticipated that many of these projects will come forward for funding in the respective year shown, however, some may be bumped due to shifting priorities, anticipated grant funding materializing and several other assumptions holding true. The projects in the outer years will be subjected once again to the evaluation process they went through this year.

Over the next five-years, the Town can anticipate funding \$461 million in capital projects. Self-funded Enterprise Funds total \$139 million, the Sewer Construction & Private Way Maintenance and Improvement Fund totals \$216 million, and the General Fund totals \$106 million. This includes 98 projects, 37 for the Enterprise funds, and 16 for the Comprehensive Water Management Plan and 45 for the General Fund.

Five Year Capital Improvement Plan for Enterprise Fund

LISTING OF CAPITAL IMPROVEMENT PROJECTS: ENTERPRISE FUNDS			FIVE YEAR COSTS					PROJECT
DEPT	PRIORITY	PROJECT TITLE	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	TOTALS
BMA	1	Replace 1992 ARFF Equipment - Airport #820	978,000	-	-	-	-	978,000
BMA	2	Reporting, Testing, Mitigation, Monitoring (PFOS Soils)	105,000	-	-	-	-	105,000
BMA	3	PFAS Mitigation Design and Implementation	1,004,000	-	-	-	-	1,004,000
BMA	4	Replacement of Circa 1997 Mo-Gas and Diesel Fuel	1,200,000	-	-	-	-	1,200,000
BMA	5	Permitting - Airport Master Plan for Short-Term	-	525,000	-	-	-	525,000
BMA	6	Design & Implement Airport Security Camera Upgrades	-	650,000	-	-	-	650,000
BMA	7	Replace SRE Equipment 10-wheeler - Airport #47	-	385,000	-	-	-	385,000
BMA	8	Electric Aircraft Support Vehicle	-	450,000	-	-	-	450,000
BMA	9	Design, Construct, Relocate and Extend Taxiway B	-	-	8,800,000	-	-	8,800,000
BMA	10	Reconstruction and Re-Alignment of Taxiways Delta and Echo	-	-	5,300,000	-	-	5,300,000
BMA	11	Replace SRE Equipment - Airport #38	-	-	100,000	-	-	100,000
BMA	12	Replace SRE Equipment - Airport #32	-	-	80,000	-	-	80,000
BMA	13	Terminal Upgrades - Jetway/Gate/Hold Room Expansion	-	-	1,500,000	-	-	1,500,000
BMA	14	Easements for Future Construction/Runway Extension	-	-	-	13,500,000	-	13,500,000
BMA	15	Design & Construct Tree Clearing for RUNWAY 15/33	-	-	-	-	750,000	750,000
BMA	16	Design & Construct Extension of Runway 15 /33 and Runway	-	-	-	-	20,000,000	20,000,000
		TOTAL AIRPORT	\$3,287,000	\$2,010,000	\$15,780,000	\$13,500,000	\$20,750,000	\$55,327,000
WPC	1	Pump Station Rehabilitation Program	2,860,000	1,100,000	550,000	950,000	1,300,000	6,760,000
WPC	2	720 Main Street Pump Station Replacement	11,000,000	-	-	-	-	11,000,000
WPC	3	Water Pollution Control Facility Improvements	330,000	1,009,000	1,212,000	925,000	633,000	4,109,000
WPC	4	Crane Truck 247 Replacement	165,000	-	-	-	-	165,000
WPC	5	Sewer System Rehabilitation / Infiltration and Inflow Removal	760,000	-	225,000	-	500,000	1,485,000
WPC	6	Replacement of Truck 254 with a new ¾ ton pickup	70,000	-	-	-	-	70,000
WPC	7	Headworks Building Design and Construction	-	350,000	-	TBD	-	350,000
WPC	8	Effluent Sand Bed Valve Rehabilitation	-	350,000	-	-	-	350,000
WPC	9	MSB Generator Design and Construction	-	-	750,000	-	-	750,000
		TOTAL PUBLIC WORKS WATER POLLUTION CONTROL	\$15,185,000	\$2,809,000	\$2,737,000	\$1,875,000	\$2,433,000	\$25,039,000
WS	1	Pipe Replacement and Upgrade Program	1,050,000	1,050,000	1,050,000	1,050,000	1,050,000	5,250,000
WS	2	Wells, Pump Stations, Treatment Plant Repair & Upgrade Program	200,000	200,000	200,000	200,000	200,000	1,000,000
WS	3	Straightway Treatment Plant, 217 Straightway, Hyannis	1,000,000	-	15,000,000	-	-	16,000,000
WS	4	Mary Dunn 1: Water Storage Tank Repainting	65,000	600,000	-	-	-	665,000

Five Year Capital Improvement Plan for Enterprise Fund (Continued)

LISTING OF CAPITAL IMPROVEMENT PROJECTS: ENTERPRISE FUNDS			FIVE YEAR COSTS					PROJECT
DEPT	PRIORITY	PROJECT TITLE	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	TOTALS
WS	5	Ocean Street Water Main Looping Project, Construction	480,000	-	-	-	-	480,000
WS	6	New Well Exploration Program	-	3,000,000	-	17,000,000	-	20,000,000
WS	7	Airport and Mary Dunn 1 Filtration Plant Design	-	1,000,000	-	13,000,000	-	14,000,000
TOTAL PUBLIC WORKS WATER SUPPLY			\$2,795,000	\$5,850,000	\$16,250,000	\$31,250,000	\$1,250,000	\$57,395,000
SW	1	Container Unit Replacement	50,000	55,000	60,000	65,000	70,000	300,000
SW	2	Generator Replacement	130,000	-	-	-	-	130,000
SW	3	Transfer Station Maintenance Building Improvements	242,347	-	-	-	-	242,347
SW	4	Compactor Unit Replacement	-	-	200,000	125,000	125,000	450,000
SW	5	Wheel Loader Replacement	-	250,000	-	-	-	250,000
TOTAL PUBLIC WORKS SOLID WASTE			\$422,347	\$305,000	\$260,000	\$190,000	\$195,000	\$1,372,347
TOTAL ENTERPRISE FUNDS PROJECT COSTS			\$21,689,347	\$10,974,000	\$35,027,000	\$46,815,000	\$24,628,000	\$139,133,347

Five Year Capital Improvement Plan for Comprehensive Wastewater Management Plan

LISTING OF CAPITAL IMPROVEMENT PROJECTS: CWMP			FIVE YEAR COSTS					PROJECT
DEPT	PRIORITY	PROJECT TITLE	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	TOTALS
CWMP	1	Effluent Disposal Alternatives	1,000,000	TBD	TBD	TBD	TBD	1,000,000
CWMP	2	Nitrogen Removal Improvements at WPCF	3,000,000	-	35,000,000	-	-	38,000,000
CWMP	3	Old Craigville Road Sewer Expansion	600,000	1,400,000	-	17,000,000	-	19,000,000
CWMP	4	Shootflying Hill Road Sewer Expansion	375,000	-	875,000	-	11,250,000	12,500,000
CWMP	5	Old Yarmouth Road Sewer Expansion	275,000	600,000	-	7,150,000	-	8,025,000
CWMP	6	Marstons Mills River Treatment System - Mill Pond Dredging	TBD	TBD	TBD	TBD	TBD	-
CWMP	7	Great Marsh Road Sewer Expansion	-	-	500,000	1,200,000	-	1,700,000
CWMP	8	Vineyard Wind 2 Route and Mother's Park Pump Station	-	28,000,000	-	-	-	28,000,000
CWMP	9	Long Beach Sewer Expansion	-	300,000	700,000	-	8,000,000	9,000,000
CWMP	10	Route 28 West Sewer Expansion	-	-	35,000,000	-	-	35,000,000
CWMP	11	Phinney's Lane Sewer Expansion	-	-	25,000,000	-	-	25,000,000
CWMP	12	Osterville Woods Sewer Expansion	-	-	550,000	1,250,000	-	1,800,000
CWMP	13	South County Road Sewer Expansion	-	-	-	300,000	700,000	1,000,000
CWMP	14	Long Pond Area Sewer Expansion	-	-	-	-	35,000,000	35,000,000
CWMP	15	Prince Cove Sewer Expansion	-	-	-	-	400,000	400,000
CWMP	16	Huckins Neck Sewer Expansion	-	-	-	-	300,000	300,000
COMPREHENSIVE WASTEWATER MANAGEMENT PLAN			\$5,250,000	\$30,300,000	\$97,625,000	\$26,900,000	\$55,650,000	\$215,725,000

Five Year Capital Improvements Plan for General Fund

LISTING OF CAPITAL IMPROVEMENT PROJECTS: GENERAL FUND			FIVE YEAR COSTS					PROJECT
DEPT	PRIORITY	PROJECT TITLE	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	TOTALS
MAR	1	Bismore Park Bulkhead Improvements	-	7,050,000	-	-	-	7,050,000
TOTAL MARINE & ENVIRONMENTAL AFFAIRS MARINAS			\$-	\$7,050,000	\$-	\$-	\$-	\$7,050,000
SDY	1	Sandy Neck ORV Trail and Gatehouse Relocation Construction	-	800,000	-	-	-	800,000
SDY	2	Sandy Neck Parking Lot Relocation	-	-	2,650,000	-	-	2,650,000
TOTAL MARINE & ENVIRONMENTAL AFFAIRS SANDY NECK			\$-	\$800,000	\$2,650,000	\$-	\$-	\$3,450,000
HYCC	1	Hyannis Youth & Community Center Facility Mechanical Impr.	1,770,000	1,576,400	-	802,000	-	4,148,400
TOTAL COMMUNITY SERVICES HYCC			\$1,770,000	\$1,576,400	\$-	\$802,000	\$-	\$4,148,400
ISD	1	Replace Measurement Compliance Unit (F-350 or equivalent)	80,000	-	-	-	-	80,000
TOTAL INSPECTIONAL SERVICES DEPARTMENT			\$80,000	\$-	\$-	\$-	\$-	\$80,000
BPD	1	Barnstable Police Department Improvements	1,167,321	-	1,586,827	-	1,200,397	3,954,545
TOTAL POLICE DEPARTMENT			\$1,167,321	\$-	\$1,586,827	\$-	\$1,200,397	\$3,954,545
MEA	1	Marine & Environmental Affairs Interior Improvements	289,604	-	-	-	-	289,604
MEA	2	Cotuit Town Dock Design & Permitting	-	70,000	TBD	-	-	70,000
MEA	3	Long Pond Fishway Design and Permitting	50,000	150,000	-	-	-	200,000
MEA	4	McCarthy's Landing Dinghy Dock Design and Permitting	65,000	TBD	-	-	-	65,000
MEA	13	Mill Pond Fishway Design, Permitting, and Construction	120,000	600,000	-	-	-	720,000
MEA	14	Town Wide Bulkhead Assessments	150,000	150,000	-	-	-	300,000
MEA	18	Scudder's Lane Boat Ramp	-	650,000	-	-	-	650,000
TOTAL MARINE & ENVIRONMENTAL AFFAIRS DEPARTMENT			\$674,604	\$1,620,000	\$-	\$-	\$-	\$2,294,604
CSD	1	Centerville Recreation Playground & Site Improvements	827,376	300,315	-	-	-	1,127,691
CSD	2	Adult Community Center Master Plan Development	-	-	120,000	TBD	-	120,000
CSD	3	Skate Park Replacement Project	-	-	1,050,096	-	-	1,050,096
CSD	5	Beach Parking Lot Rehabilitation - Keyes Memorial Beach	290,000	-	-	-	-	290,000
CSD	6	Marstons Mills Playground & Parking Project	-	-	128,843	1,181,057	-	1,309,900
CSD	7	Salt Water Beach House Improvements	-	215,000	1,425,289	-	1,627,295	3,267,584
CSD	8	Kennedy Memorial Renovation Construction	-	-	-	-	1,961,935	1,961,935
CSD	15	Hathaway's Pond Bathhouse and Site Improvements	450,000	2,555,000	-	-	-	3,005,000
TOTAL COMMUNITY SERVICES DEPARTMENT			\$1,567,376	\$3,070,315	\$2,724,228	\$1,181,057	\$3,589,230	\$12,132,206

Five Year Capital Improvements Plan for General Fund (Continued)

LISTING OF CAPITAL IMPROVEMENT PROJECTS: GENERAL FUND				FIVE YEAR COSTS					PROJECT
DEPT	PRIORITY	PROJECT TITLE	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	TOTALS	
DPW	1	Public Roads Maintenance	3,750,000	3,850,000	3,950,000	4,050,000	4,150,000	19,750,000	
DPW	2	Emergency Generator Implementation Plan	431,313	896,781	384,907	-	-	1,713,001	
DPW	3	Town Hall Mechanical Improvements	2,025,852	1,464,742	-	-	-	3,490,594	
DPW	4	School Administration Building Mechanical Cooling Upgrades	1,906,100	955,064	-	-	-	2,861,164	
DPW	5	Monitoring and Management Plan Report - Freshwater Ponds	136,400	260,000	135,000	380,000	180,000	1,091,400	
DPW	6	Ponds Solution Permitting and Implementation	-	150,000	150,000	150,000	150,000	600,000	
DPW	7	Stormwater Improvements at Ponds	350,000	300,000	300,000	300,000	300,000	1,550,000	
DPW	10	Ocean Street Sidewalks and Kalmus Beach Entrance Project Construction	2,950,000	-	-	-	-	2,950,000	
DPW	14	DPW Offices Expansion Design	283,989	2,438,881	-	-	-	2,722,870	
DPW	20	Old Town Hall - JFK Museum Improvements	-	817,935	860,301	126,124	-	1,804,360	
DPW	31	Equipment Storage Buildings	-	341,781	2,385,479	-	-	2,727,260	
DPW	42	50 Pearl Street Facility Management Plan Implementation	-	-	245,224	126,741	-	371,965	
DPW	54	Snows Creek Culvert	1,400,000	-	-	-	-	1,400,000	
DPW	56	Cape Cod Airfield Fuel Tank	231,000	-	-	-	-	231,000	
TOTAL PUBLIC WORKS DEPARTMENT			\$13,464,654	\$11,475,184	\$8,410,911	\$5,132,865	\$4,780,000	\$43,263,614	
SCH	1	Barnstable High School/Intermediate Roof Top Unit Ventilator	4,156,984	4,000,000	4,000,000	4,000,000	4,000,000	20,156,984	
SCH	2	District Wide Door and Window Replacement	1,000,000	1,000,000	-	-	-	2,000,000	
SCH	3	BWB/BCIS/Centerville Emergency Generators	650,000	650,000	-	-	-	1,300,000	
SCH	4	Barnstable High School Tennis Court Replacement	1,622,000	-	-	-	-	1,622,000	
SCH	5	Transportation / Facilities Fuel Pump & Vehicle Lift Replacement	60,000	-	-	-	-	60,000	
SCH	6	BPS Campus Wide Paving and Sidewalk Repair	350,000	-	-	-	-	350,000	
SCH	7	Campus Wide Mechanical Upgrades	250,000	-	-	-	-	250,000	
SCH	8	Flooring Replacement and Upgrades	100,000	-	-	-	-	100,000	
SCH	9	Electric Utility Transformer Upgrade	300,000	-	-	-	-	300,000	
SCH	10	Barnstable High School Sports Fields Upgrades: Phases 2 and 3	-	-	2,000,000	2,000,000	-	4,000,000	
TOTAL SCHOOL DEPARTMENT			\$8,488,984	\$5,650,000	\$6,000,000	\$6,000,000	\$4,000,000	\$30,138,984	
TOTAL GENERAL FUND PROJECT COSTS			\$27,212,939	\$31,241,899	\$21,371,966	\$13,115,922	\$13,569,627	\$106,512,353	
TOTAL CAPITAL IMPROVEMENTS PROGRAM COST			\$54,152,286	\$72,515,899	\$154,023,966	\$86,830,922	\$93,847,627	\$461,370,700	

SEWER CONSTRUCTION & PRIVATE WAY MAINTENANCE IMPROVEMENT FUND

Chapter 355 of the Acts of 2014 enacted by the General Court allows the Town of Barnstable to establish a Special Revenue Fund that may be used for planning, designing, and construction of sewers and other means of comprehensive wastewater management and maintenance and improvement of qualifying private ways.

Dedicated revenue sources for this fund include one-hundred (100%) of the local meals excise tax and one-third (33%) of the local rooms excise tax on traditional lodging. In addition, any or sewer assessments or road betterments to property abutters on sewer construction and private way improvements will be credited to this fund if the fund is used to finance the improvements.

Finally, the room occupancy tax now applies to short-term rentals and this revenue has been dedicated for the comprehensive management of water and wastewater, which includes the Comprehensive Wastewater Management Plan.

Major Assumptions Used In Table A:

- Rooms and meals tax revenue will grow 2.5% per year;
- Earnings on investments will average 0.5%;
- A General Fund subsidy will be provided to fund the Comprehensive Wastewater Management Plan that grows to \$3,750,000 by FY 2027;
- Sewer assessments of \$10,000 will be applied to new sewer customers;
- Sewer assessments will be amortized over 30 years;
- Sewer assessments will begin to be collected one year after the project's completion;
- New sewer customers will be phased in over a 10 year period once project is complete;
- Interest rate on sewer assessments (4%) will be 2% higher than the Town's borrowing rate (2%);
- A portion of the user rate revenue collected from new customers will be directed towards the debt service for the new infrastructure;
- Project costs for FY 2023 to FY 2027 are included in the projection and are estimated to inflate by 5% per year;
- Preliminary design costs will be financed with cash reserves;
- Principal subsidies on project costs are 10%;
- Loan amortization on bond issues will be 5 years for final design and 30 years for construction;
- The average interest rate on the bonds are estimated to be 2%;
- The bonds will be issued at a time so that the first loan payments will not be made until the following year, for example, the first payment on the FY 2022 bond issue will be in FY 2023;
- The Federal government will not make any changes and the tax advantages of municipal bonds will remain intact; and
- No other major changes will take place in the municipal bond market;
- Project management staff will increase over time as more infrastructure projects are implemented;

**TABLE A – Estimated Sewer Construction & Private Way Maintenance and Improvement Fund Cash Flow
5 Year Plan**

COMPREHENSIVE WASTEWATER MANAGEMENT PLAN										
PROGRAM CASHFLOW PROJECTION										
	Fiscal Year									
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Beginning Unreserved Fund Balance	\$ 16,944,518	\$ 18,147,802	\$ 17,007,473	\$ 17,369,924	\$ 15,713,720	\$ 10,628,927	\$ 4,534,754	\$ (4,238,996)	\$ (12,779,228)	\$ (20,614,698)
Resources:										
Rooms Tax on Traditional Lodging	1,000,000	1,025,000	1,050,625	1,076,891	1,103,813	1,131,408	1,159,693	1,188,686	1,218,403	1,248,863
Local Meals Tax	1,500,000	1,537,500	1,575,938	1,615,336	1,655,719	1,697,112	1,739,540	1,783,029	1,827,604	1,873,294
Short-term Rental Tax	-	1,000,000	1,025,000	1,050,625	1,076,891	1,103,813	1,131,408	1,159,693	1,188,686	1,218,403
Capital Trust Fund Contribution	-	750,000	1,500,000	2,250,000	3,000,000	3,750,000	3,750,000	3,750,000	3,750,000	3,750,000
Earnings on Investments	84,723	90,739	85,037	86,850	78,569	53,145	22,674	-	-	-
Existing Sewer Assessments	88,335	85,917	77,803	75,685	72,974	70,888	68,801	66,715	64,628	62,542
New Sewer Assessments	-	-	-	132,489	183,146	183,146	378,540	533,295	1,107,785	1,353,279
New User Charge Revenue	-	-	9,988	30,987	50,874	77,948	118,022	196,425	298,539	469,432
Total Resources	2,673,057	4,489,156	5,324,390	6,318,862	7,221,986	8,067,460	8,368,678	8,677,843	9,455,645	9,975,813
Commitments:										
Total Project Management	626,994	1,059,036	1,513,610	2,212,200	2,497,314	2,572,234	2,649,401	2,728,883	2,810,749	2,895,072
Total Debt Service	642,778	2,320,449	3,117,580	4,547,360	9,444,813	10,696,002	14,493,027	14,489,192	14,480,366	14,477,199
Cash funded project expenses	200,000	2,250,000	330,750	1,215,506	364,652	893,397	-	-	-	-
Total Commitments	1,469,772	5,629,485	4,961,940	7,975,066	12,306,779	14,161,633	17,142,428	17,218,075	17,291,115	17,372,271
Increase (Decrease) in Fund Balance	1,203,285	(1,140,329)	362,451	(1,656,204)	(5,084,793)	(6,094,173)	(8,773,750)	(8,540,232)	(7,835,470)	(7,396,457)
Ending Fund Balance	\$ 18,147,802	\$ 17,007,473	\$ 17,369,924	\$ 15,713,720	\$ 10,628,927	\$ 4,534,754	\$ (4,238,996)	\$ (12,779,228)	\$ (20,614,698)	\$ (28,011,155)

This table illustrates that by FY 2028 the fund is projected to be in a deficit position so additional revenue sources need to be created to fully implement the schedule of planned sewer expansions in fiscal years 2023 through 2027. By fiscal year 2028, total annual debt service requirements exceed \$14 million per year. Decisions on additional funding sources will need to be made no later than fiscal year 2025 before the debt service on the planned sewer projects in this year begin to be paid back in fiscal year 2026.

CAPITAL TRUST FUND ANALYSIS

The Capital Trust Fund (CTF) is used as a mechanism to finance the Town's General Fund Capital Improvement Program within the limitations of Proposition 2½. Annually, the Town transfers a sum of money from the General Fund into the CTF. The resources within the CTF are then used to make the annual loan payments on the bonds issued to finance the Town's capital program. The loan payments are part of the General Fund operating budget. The CTF operates essentially as a debt service fund. Some of the Town's capital appropriations are financed using the reserves within the CTF as opposed to bond issues. Annually, the Town reviews the projected cash flow of the CTF for the prospective 10-year period in order to measure the capacity level of the fund.

For the most part, this fund is not the funding source for Enterprise Fund capital improvements. Most Enterprise Funds pay one-hundred (100%) of their capital cost, which is recovered through their respective user fees. However, Enterprise Fund capital improvements may be funded from the CTF, which is a policy decision. The two current exceptions are the bond issues for the construction of the Hyannis Youth & Community Center (HYCC) and Barnstable Harbor Marina bulkhead replacement. Although, some future projects cost for other Enterprise Funds may be too large and that the impact to the user fees becomes unmanageable, and thus a General Fund subsidy would be needed. An example would be the Bismore Park Bulkhead Improvements project and Sandy Neck Parking Lot and Gatehouse Relocation project.

The FY 2023 General Fund Capital Improvement Plan includes a combination of "pay-as-you-go" or cash financing and new bond issues. The cash-financing portion of the program is funded from the Capital Trust Fund reserves and balances remaining in appropriations from completed projects. This "pay-as-you-go" financing approach saves the Town thousands of dollars in the form of bond issuance and interest cost. It also provides flexibility within the budget because with just a debt service program, the CTF can become saturated with loan payments and prohibit the approval of any new projects until the debt service from other projects expire. This would also reduce the Town's flexibility in its resource allocation as future cash flows are committed to fixed annual loan payments.

In the event of absolute necessity, the cash portion of the program could be converted to a debt program to allow for a larger capital program up front. For example, the Town could allocate \$1 million in cash per year for capital improvements over ten years or allocate \$10 million towards a bond issue in the first year. A \$10 million bond issue could incur \$1.6 million in interest cost amortized over a period of 10-years. The \$1.6 million in interest cost is the opportunity cost that could have been used for existing project needs, but this is all based on available reserves.

Furthermore, the cash program portion, if reduced or eliminated, could decrease the annual contribution from the General Fund to the CTF, if the need for funding General Fund operations is determined to be greater than the need for capital expenditures. Countless scenarios can be created to allocate the annual cash flow of the CTF between cash and borrowing programs.

The annual contribution to the CTF has grown from \$7.4 to \$12 million over the last ten years. This amount is projected to increase by more than \$750,000 per year for the next five years in order to allocate more funds to the capital program. Even as more funds are allocated to the capital program, the Town's capital needs require a higher contribution level. Opportunities to increase this contribution are examined every year.

Table A below illustrates the CTF cash flow for the next ten years incorporating all existing loan payments and the FY 2023 proposed Capital Improvement Plan (CIP). Table B illustrates the CIP Five-Year Plan within the CTF over the next ten years.

Major Assumptions Used In Table A:

- Investment earnings will average 1.1% per year;
- The base transfer from the General Fund will increase 2.5% per year;
- Transfer In \$750,000 of New Property Growth
- Loan amortization on the FY2023: Total Bond Issues \$19 million
 - \$ 0 over 5-years;
 - \$ 450,000 over 10-years;
 - \$ 4.4 million over 15-years; and
 - \$ 14.4 million over 20-years.
- The net interest cost on the bonds are estimated to average 3%;
- The FY2023 bonds will be issued at a time so that the first loan payments will not be made until FY2024;
- There are no estimated savings from bond refinancing included in the projection;
- The Federal government will not make any changes and the tax advantages of municipal bonds will remain intact;
- No other major changes will take place in the municipal bond market; and
- The cash funded portion of the capital program will average total \$4 million per year.

Major Assumptions Used In Table B:

In addition to all of the assumptions in Table A, additional bond issues for the next four years are included for the FY2024 through FY2027 capital programs with the following amortization amounts:

FY2024: Total Bond Issue \$ 25.1 million

- \$ 1.1million annually over 5-years;
- \$ 3.1 million annually over 10-years;
- \$ 3.3 million annually over 15-years; and
- \$ 17.6 million annually over 20-years;

FY2025: Total Bond Issue \$ 16.3 million

- \$ 385,000 annually over 5-years;
- \$ 0 annually over 10-years;
- \$ 3.3 million annually over 15-years; and
- \$ 12.6 million annually over 20-years;

FY2026: Total Bond Issue \$ 7.9 million

- \$ 0 annually over 5-years
- \$ 802,000 annually over 10-years;
- \$ 1.2 million annually over 15-years; and
- \$ 6.0 million annually over 20-years;

FY2027: Total Bond Issue \$ 8.8 million

- \$ 0 annually over 5-years
- \$ 0 annually over 10-years;
- \$ 2.8 million annually over 15-years; and
- \$ 6.0 million annually over 20-years;

TABLE A – Capital Trust Fund Estimated Cash Flow FY 2023 – FY 2032

		ESTIMATED CAPITAL TRUST FUND CASH FLOW									
		FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
1	Beginning Trust Fund Balance	\$ 16,143,987	\$ 15,338,364	\$ 13,753,467	\$ 13,405,010	\$ 13,629,990	\$ 14,836,659	\$ 17,345,674	\$ 20,809,159	\$ 24,830,300	\$ 29,554,617
Resources:											
2	Investment Earnings	177,584	168,722	151,288	147,455	149,930	163,203	190,802	228,901	273,133	325,101
3	Transfer From General Fund	12,068,968	13,120,692	14,198,709	15,303,677	16,436,269	16,847,176	17,268,355	17,700,064	18,142,566	18,596,130
4	General Fund Reserves	4,187,306	-	-	-	-	-	-	-	-	-
5	Total Current Year Resources	16,433,858	13,289,414	14,349,997	15,451,132	16,586,199	17,010,379	17,459,157	17,928,965	18,415,699	18,921,231
6	Total Available Resources	32,577,845	28,627,778	28,103,464	28,856,142	30,216,189	31,847,038	34,804,831	38,738,124	43,245,999	48,475,848
Commitments:											
7a	Existing Debt Service Payments Capital Fund	(5,858,799)	(5,271,085)	(4,352,210)	(4,144,595)	(3,551,670)	(3,229,415)	(3,008,815)	(2,889,859)	(2,671,459)	(2,453,119)
7b	Existing Debt Service Payments Enterprise Funds	(1,183,675)	(1,138,560)	(1,096,195)	(1,046,125)	(1,007,045)	(480,750)	(158,325)	(152,100)	(116,725)	(108,275)
8	Authorized Unissued Debt Prior Years CIP (\$14m)	(1,509,701)	(1,476,870)	(1,444,039)	(1,411,208)	(1,378,377)	(1,280,546)	(1,249,665)	(1,218,784)	(1,187,904)	(1,157,023)
9	Estimated Debt Service on FY23 CIP (\$19m)		(1,637,796)	(1,606,010)	(1,574,224)	(1,542,438)	(1,510,652)	(1,478,867)	(1,447,081)	(1,415,295)	(1,383,509)
10	Comprehensive Wastewater Management Plan (New Growth)	(750,000)	(1,500,000)	(2,250,000)	(3,000,000)	(3,750,000)	(3,750,000)	(3,750,000)	(3,750,000)	(3,750,000)	(3,750,000)
11	Public Roads Program	(3,750,000)	(3,850,000)	(3,950,000)	(4,050,000)	(4,150,000)	(4,250,000)	(4,350,000)	(4,450,000)	(4,550,000)	(4,650,000)
12	Other Cash Program	(4,187,306)	-	-	-	-	-	-	-	-	-
13	Total Current Year Commitments	(17,239,481)	(14,874,311)	(14,698,454)	(15,226,152)	(15,379,531)	(14,501,364)	(13,995,672)	(13,907,824)	(13,691,382)	(13,501,926)
14	Increase (Decrease) in Trust Fund	(805,623)	(1,584,897)	(348,457)	224,980	1,206,668	2,509,015	3,463,485	4,021,141	4,724,317	5,419,305
15	Ending Trust Fund Balance	\$ 15,338,364	\$ 13,753,467	\$ 13,405,010	\$ 13,629,990	\$ 14,836,659	\$ 17,345,674	\$ 20,809,159	\$ 24,830,300	\$ 29,554,617	\$ 34,973,922
16	Commitments as a % of Available Resources (max = 80%)	53%	52%	52%	53%	51%	46%	40%	36%	32%	28%
17	Amount of available trust fund resources CY (max = 80%)	8,822,795	8,027,912	7,784,317	7,858,762	8,793,421	10,976,266	13,848,193	17,082,675	20,905,417	25,278,753

This table illustrates the Capital Trust Fund’s (CTF) cash flow incorporating all existing loan payments on previously authorized projects and the recommended projects for FY 2023. Cash funded projects in FY 2023 total \$8.6 million and bond funded projects total \$19.2 million. The bonds will be issued in FY 2023 and the first estimated loan payment of \$1.6 million is anticipated to be made in FY 2024 as illustrated above on line 9. Line 7a & 7b in the table above includes all existing loan payments. Line 10 is a placeholder for the Comprehensive Wastewater Management Plan, which \$750,000 is from new property tax growth that has been added in line 3. Lines 11 and 12 include estimates on future cash appropriations for capital to be financed from the General Fund and Capital Trust Fund reserves. One-time additional resources to be added to the fund are included on lines 2 through 4. The percentage of the trust fund’s current year resources that are committed in any year are less than the Administrative Code limit of 80% (line 16) indicating that the fund has the capacity to absorb more debt financed projects in future years.

TABLE B – Capital Trust Fund Estimated Capacity for the Next 10 Years

		ESTIMATED CAPITAL TRUST FUND CASH FLOW ANALYSIS									
		FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032
1	Beginning Trust Fund Balance	\$ 16,143,987	\$ 15,338,364	\$ 13,753,467	\$ 11,021,750	\$ 7,465,394	\$ 4,227,521	\$ 1,433,392	\$ (209,418)	\$ (1,417,014)	\$ (1,941,141)
Resources:											
2	Investment Earnings	177,584	168,722	151,288	121,239	82,119	46,503	15,767	-	-	-
3	Transfer From General Fund	12,068,968	13,120,692	14,198,709	15,303,677	16,436,269	16,847,176	17,268,355	17,700,064	18,142,566	18,596,130
4	General Fund Reserves	4,187,306	2,286,781	1,079,067	1,082,865	630,000	-	-	-	-	-
5	Total Current Year Resources	16,433,858	15,576,195	15,429,064	16,507,781	17,148,388	16,893,679	17,284,122	17,700,064	18,142,566	18,596,130
6	Total Available Resources	32,577,845	30,914,559	29,182,531	27,529,531	24,613,783	21,121,200	18,717,514	17,490,646	16,725,552	16,654,989
Commitments:											
7a	Existing Debt Service Payments Capital Fund	(5,858,799)	(5,271,085)	(4,352,210)	(4,144,595)	(3,551,670)	(3,229,415)	(3,008,815)	(2,889,859)	(2,671,459)	(2,453,119)
7b	Existing Debt Service Payments Enterprise Funds	(1,183,675)	(1,138,560)	(1,096,195)	(1,046,125)	(1,007,045)	(480,750)	(158,325)	(152,100)	(116,725)	(108,275)
8	Authorized Unissued Debt Prior Years CIP (\$14m)	(1,509,701)	(1,476,870)	(1,444,039)	(1,411,208)	(1,378,377)	(1,280,546)	(1,249,665)	(1,218,784)	(1,187,904)	(1,157,023)
9a	Estimated Debt Service on FY23 CIP (\$20m)		(1,637,796)	(1,606,010)	(1,574,224)	(1,542,438)	(1,510,652)	(1,478,867)	(1,447,081)	(1,415,295)	(1,383,509)
9b	Estimated Debt Service on FY24 CIP (\$25.1m)			(2,383,260)	(2,334,357)	(2,285,454)	(2,236,551)	(2,187,647)	(1,918,681)	(1,876,380)	(1,834,079)
9c	Estimated Debt Service on FY25 CIP (\$16.3m)				(1,420,763)	(1,392,848)	(1,364,934)	(1,337,020)	(1,309,106)	(1,204,210)	(1,178,605)
9d	Estimated Debt Service on FY26 CIP (\$7.9m)					(698,429)	(684,661)	(670,893)	(657,125)	(643,356)	(629,588)
9e	Estimated Debt Service on FY27 CIP (\$8.8m)						(750,298)	(735,700)	(721,102)	(706,504)	(691,905)
10	Comprehensive Wastewater Management Plan (New Growth)	(750,000)	(1,500,000)	(2,250,000)	(3,000,000)	(3,750,000)	(3,750,000)	(3,750,000)	(3,750,000)	(3,750,000)	(3,750,000)
11	Public Roads Program	(3,750,000)	(3,850,000)	(3,950,000)	(4,050,000)	(4,150,000)	(4,250,000)	(4,350,000)	(4,450,000)	(4,550,000)	(4,650,000)
12	Other Cash Program	(4,187,306)	(2,286,781)	(1,079,067)	(1,082,865)	(630,000)	(150,000)	-	-	-	-
13	Total Current Year Commitments	(17,239,481)	(17,161,092)	(18,160,781)	(20,064,137)	(20,386,262)	(19,687,808)	(18,926,932)	(18,907,660)	(18,666,693)	(18,370,302)
14	Increase (Decrease) in Trust Fund	(805,623)	(1,584,897)	(2,731,717)	(3,556,356)	(3,237,873)	(2,794,129)	(1,642,810)	(1,207,596)	(524,127)	225,828
15	Ending Trust Fund Balance	\$ 15,338,364	\$ 13,753,467	\$ 11,021,750	\$ 7,465,394	\$ 4,227,521	\$ 1,433,392	\$ (209,418)	\$ (1,417,014)	\$ (1,941,141)	\$ (1,715,313)
16	Commitments as a % of Available Resources (max = 80%)	53%	56%	62%	73%	83%	93%	101%	108%	112%	110%
17	Amount of available trust fund resources CY (max = 80%)	8,822,795	7,570,555	5,185,244	1,959,488	(695,236)	(2,790,848)	(3,952,921)	(4,915,143)	(5,286,252)	(5,046,311)

Including the proposed FY 2023 capital program, it is estimated the Capital Trust Fund would have to absorb approximately \$158 million in projects over the next 10-years. Based on the Capital Trust Fund available resources, it exceeds the maximum allowable commitment of 80% as shown on line 16. Cash financed capital is estimated at \$74 million and bond financed capital is estimated at \$84 million through FY 2027. This also includes the General Fund contributing an additional \$9.2 million in one-time use of reserves on selected projects over the five-year period. The estimated annual loan payments on the bonds are illustrated on lines 9a through 9e.

DEBT POSITION ANALYSIS

Type and Purpose of Debt

The Town sells bonds to finance major capital improvements that require large cash outlays. General Obligation Bonds (G.O.B) have been sold to fund capital improvements managed by various municipal operations such as schools, public works, marine, recreation, conservation, and the Town's Enterprise Fund operations. General Obligation Bonds are supported by the full faith and credit of the Town and is repaid from property taxes collected from both current and future property owners throughout the term of the debt, except for the bonds issued to fund most capital improvements for Enterprise Fund operations. Although property taxes are pledged as collateral for Enterprise Funds, most of the GOB's are repaid with revenue generated by the Enterprise Funds and not property taxes. This arrangement provides for a more favorable borrowing rate on Enterprise Fund debt. Alternatively, Enterprise Funds would have to issue what are referred to as "Revenue Bonds", which would typically carry much higher interest rates because the collateral is Enterprise Fund revenue as opposed to property taxes.



Sandy Neck Parking Lot

Properly structured municipal debt is tax exempt. This feature is attractive to many investors who, in turn, require less interest than they would from non-tax-exempt investments. Typical rates for municipal bonds over the past several years have been in the 1.5% to 3% range. Rates have remained low as the economy is making municipal bonds more attractive for highly rated communities. When netted out against inflation, municipal borrowing costs, especially for strong credit worthy Towns such as Barnstable is desirable.

The Town operates several Enterprise Funds that includes an airport, two golf courses, wastewater treatment facility, solid waste transfer station, water supply operations, four marinas, Sandy Neck Beach Park, the Hyannis Youth & Community Center, and the Public, Educational and Government Access channels. These funds are expected to repay their debt from the revenues they generate unless it is determined that a General Fund contribution is necessary to provide for some fee mitigation. In addition, the Town has borrowed on behalf of the Community Preservation Fund (CPF), which was created by general legislation to enable towns in the Commonwealth to acquire open space and to finance recreation, community housing, and historic preservation projects. The CPF, a special revenue fund, is funded with 3% surtax on each real estate tax bill. The Commonwealth provides a partial matching program for the surtax billed from a state trust account, which is funded by real estate transfer taxes. The matching program is expected to decline as more communities adopt the CPF.

Current Debt Position

As of June 30, 2021, the Town of Barnstable had total bonded debt outstanding of \$113.6 million. The town's long-term debt increased by \$11.7 million during FY 2021. The Town issued \$27.8 million of long-term debt, of which \$9.6 million was for governmental activities and \$18.2 million was for business-type activities. The Town refunded \$4.7 million of long-term debt. A total of \$11.6 million in long-term debt principal was retired.

Projected Debt Payments by Project and Fund

The following four tables set forth the projected General Obligation Bond (G.O.B.) payments by issue for both the Town's governmental funds and the enterprise funds. There are also several low-cost financing loans through the Massachusetts Clean Water Trust (MCWT) for sewer construction and water system improvements.

Bonds Payable Schedule – Governmental Funds (Excludes Enterprise Fund Debt)

	Maturities Through	Original Loan Amount	Interest Rate (%)	Outstanding at June 30, 2021
General Obligation Bonds Payable:				
Municipal Purpose Refunding of 2012	2023	\$10,037,900	2.00 - 4.00	\$1,618,500
Municipal Purpose Bonds of 2014	2024	6,248,000	2.00 - 3.00	1,515,000
Municipal Purpose Refunding of 2015	2027	5,265,500	2.00 - 4.50	2,321,000
Municipal Purpose Bonds of 2015	2035	3,089,000	2.00 - 4.50	2,070,000
Municipal Purpose Bonds of 2016	2036	12,113,000	2.00 - 4.00	8,370,000
Municipal Purpose Refunding of 2016	2028	1,674,000	2.00 - 4.00	763,000
Municipal Purpose Bonds of 2017	2037	5,105,700	3.00 - 4.00	3,365,000
Municipal Purpose Bonds of 2018	2038	6,840,000	3.00 - 5.00	6,380,000
Municipal Purpose Bonds of 2019	2039	8,266,800	3.00 - 5.00	6,970,000
Municipal Purpose Bonds of 2020	2040	8,049,100	2.00 - 5.00	7,510,000
Municipal Purpose Refunding of 2021	2031	2,529,450	4.00 - 5.00	2,529,450
Municipal Purpose Bonds of 2021	2041	4,315,100	2.00 - 5.00	4,315,100
Subtotal Governmental General Obligation Bonds Payable				\$47,727,050
Direct Borrowings Payable:				
MCWT Title V Bond of 2002	2023	200,000	3.00 – 5.25	20,408
MCWT Title V Bonds of 2006	2026	400,000	0.00	100,000
MCWT Title V Bond of 2007	2027	200,000	0.00	60,000
Subtotal Governmental Direct Borrowings Payable				\$180,408
Special Assessment Bonds Payable:				
Roadway Improvement Bonds of 2021	2036	2,745,000	1.20 - 2.00	2,745,000
Total Bonds Payable				\$50,562,458
Add: Unamortized premium on bonds				\$3,203,334
Total Bonds Payable, net				\$53,855,792

Debt service requirements for principal and interest for **Governmental Bonds Payable** in future fiscal years are as follows:

Year	General Obligation Bonds Payable			Year	Direct Borrowings Payable		
	Principal	Interest	Total		Principal	Interest	Total
2022	\$6,249,050	\$1,790,401	\$8,039,451	2022	\$40,204	\$765	\$40,969
2023	5,481,000	1,531,939	7,012,939	2023	40,204	255	40,459
2024	4,394,000	1,323,484	5,717,484	2024	30,000	0	30,000
2025	3,640,500	1,139,610	4,780,110	2025	30,000	0	30,000
2026	3,316,500	975,030	4,291,530	2026	30,000	0	30,000
2027	2,842,000	827,466	3,669,466	2027	10,000	0	10,000
2028	2,631,000	710,233	3,341,233	Total	\$180,408	\$1,020	\$181,428
2029	2,516,500	598,664	3,115,164				

2030	2,493,000	497,206	2,990,206
2031	2,248,500	397,956	2,646,456
2032	2,100,000	328,114	2,428,114
2033	2,045,000	265,112	2,310,112
2034	1,970,000	205,820	2,175,820
2035	1,660,000	152,256	1,812,256
2036	1,395,000	107,994	1,502,994
2037	915,000	69,830	984,830
2038	790,000	44,684	834,684
2039	510,000	23,528	533,528
2040	380,000	11,170	391,170
2041	150,000	3,000	153,000
Total	\$47,727,050	\$11,003,497	\$58,730,547

On February 9, 2021, the Town issued \$2,745,000 in taxable bonds for private road betterments, which are due to mature in 2036. The Commonwealth approved Special Legislation to allow the Town to issue special assessment debt for the repair of private roads. The Town has assessed betterments to the property owners who abut the improved roadways. Betterment collections are used to pay the debt service associated with the special assessment debt. The Town is liable to pay the debt service costs regardless of whether the assessment payments are made by the property owners. The betterment is secured via the lien process and payment would be made upon transfer of the property if a balance were outstanding. As of June 30, 2021, there are no delinquent receivables.

Bonds Payable Schedule – Enterprise Funds

General Obligation Bonds Payable:	Maturities Through	Original Loan Amount	Interest Rate (%)	Outstanding at June 30, 2021
Airport Enterprise Fund	2039	\$2,848,900	2.00 - 5.00	\$1,815,000
Golf Course Enterprise Fund	2037	3,313,200	2.00 - 5.00	1,757,000
Add: unamortized premium				61,483
Total Golf Course Enterprise Fund Bonds Payable, net				\$1,818,483
Solid Waste Enterprise Fund	2027	526,400	2.00 - 4.50	\$210,500
Wastewater Enterprise Fund	2041	7,053,700	2.00 - 5.00	\$5,567,300
Water Supply Enterprise Fund	2041	15,655,700	2.00 - 5.00	11,359,500
Add: unamortized premium				319,000
Total Water Supply Bonds Enterprise Fund Payable, net				\$11,678,500
Marina Enterprise Fund	2037	4,114,250	2.00 - 4.00	1,620,750
Add: unamortized premium				143,246
Total Marina Enterprise Fund Bonds Payable, net				\$1,763,996
Sandy Neck Enterprise Fund	2031	1,860,200	2.00 - 4.125	595,200
Add: unamortized premium				124,800
Total Sandy Neck Enterprise Fund Bonds Payable, net				\$720,000
Hyannis Youth and Community Center	2041	9,702,000	2.00 - 4.50	6,602,700
Add: unamortized premium				398,462

Total Hyannis Youth and Community Center Bonds Payable, net	\$7,001,162
Subtotal Enterprise Funds General Obligation Bonds Payable, net	\$30,574,941
Direct Borrowings Payable:	
Wastewater - MCWT	8,723,044
Water Supply - MCWT	20,449,953
Subtotal Enterprise Funds Direct Borrowings Payable	\$29,172,997
Total Bonds Payable, net	\$59,747,938

Debt service requirements for principal and interest for **Enterprise Bonds Payable** in future fiscal years are as follows:

General Obligation Bonds Payable				Direct Borrowings Payable			
Year	Principal	Interest	Total	Year	Principal	Interest	Total
2022	\$3,225,950	\$1,074,212	\$4,300,162	2022	\$1,924,325	\$439,555	\$2,363,880
2023	3,239,000	945,278	4,184,278	2023	1,964,074	472,002	2,436,076
2024	3,106,000	812,312	3,918,312	2024	1,969,569	435,519	2,405,088
2025	3,124,500	679,674	3,804,174	2025	1,850,822	405,855	2,256,677
2026	2,798,500	553,558	3,352,058	2026	1,887,853	376,563	2,264,416
2027	2,738,000	452,964	3,190,964	2027	1,925,672	346,642	2,272,314
2028	1,544,000	357,348	1,901,348	2028	1,964,297	316,069	2,280,366
2029	1,088,500	296,872	1,385,372	2029	1,565,527	286,012	1,851,539
2030	1,067,000	250,304	1,317,304	2030	1,554,931	256,895	1,811,826
2031	991,500	207,404	1,198,904	2031	1,586,226	227,563	1,813,789
2032	905,000	174,596	1,079,596	2032	1,245,979	201,306	1,447,285
2033	905,000	147,438	1,052,438	2033	1,271,137	178,195	1,449,332
2034	895,000	122,592	1,017,592	2034	861,135	158,038	1,019,173
2035	895,000	98,478	993,478	2035	877,952	142,666	1,020,618
2036	875,000	74,364	949,364	2036	895,151	126,943	1,022,094
2037	710,000	50,716	760,716	2037	789,446	110,860	900,306
2038	460,000	31,462	491,462	2038	713,505	96,877	810,382
2039	400,000	20,564	420,564	2039	727,178	84,396	811,574
2040	335,000	11,476	346,476	2040	576,700	73,270	649,970
2041	225,000	4,500	229,500	2041	587,433	63,526	650,959
Totals	\$29,527,950	\$6,366,112	\$35,894,062	2042	467,209	53,550	517,759
				2043	475,247	43,338	518,585
				2044	486,548	32,882	519,430
				2045	498,118	22,178	520,296
				2046	509,963	11,220	521,183
				Totals	\$29,172,997	\$4,961,918	\$34,134,915

The Town has entered into several loan agreements with the Massachusetts Clean Water Trust (MCWT) for which the Town has recorded the total amount of debt outstanding. However, as of June 30, 2021, the Town has not incurred \$609,500 of the eligible construction costs related to the projects and as a result has not yet received the corresponding loan proceeds from MCWT. Accordingly, the Town has recorded \$609,500 as an intergovernmental receivable in its basic financial statements, as of June 30, 2021.

The Town is scheduled to be subsidized by the MCWT on a periodic basis for principal in the amount of \$148,109 and interest costs for \$24,325. The principal subsidies are guaranteed.

The Town is subject to various debt limits by statute and may issue additional general obligation debt under the normal debt limit. At June 30, 2021, the Town had the following authorized and unissued debt:

Purpose	Amount
Sewer projects	\$49,242,2970
Water projects	1,935,985
Airport projects	35,150,550
School improvements	5,430,648
Cotuit Bay entrance channel dredging project	4,075,233
Private road repairs	165,736
Clear vegetation and obstruction project	300,000
Golf Course Improvements	959,179
Town Hall security improvements	1,908,596
Police Facility	1,146,464
Bismore Park	375,000
Patrol Vessel	310,000
HYCC Facility Improvements	1,644,600
Solid Handling Upgrades Construction	8,500,000
Public Bridget Maintenance and Repairs	500,000
Emergency Generator Implementation Plan	615,250
Totals	\$112,260,211

Much of the authorized and unissued debt for Airport projects will be rescinded in the future as they have received grants from the Federal Aviation Administration and Massachusetts Department of Transportation for their projects eliminating the need to borrow funds.

General Obligation Debt – Credit Ratings

Several factors determine the amount of debt the Town can afford to maintain. These include the strength of the local economy, the wealth of the community, and the amount of debt sold by overlapping jurisdictions (Barnstable County Government, Cape Cod Regional Transit Authority, and Cape Cod Regional Technical High School), future capital needs, the local economy as well as the Town's financial position, administrative capabilities, and level of planning. These factors, as well as many others, influence the Town's bond rating - an evaluation of the Town's ability to repay debt as determined by the rating agencies. System improvements such as programmatic budgeting, an administrative code, policy planning based on a five-year forecast, and financial fund management have helped the Town's position.

In February 2021, the Town Treasurer conducted a \$2.789 million bond sale, which required a rating to be assigned to it prior to the sale. In their most recent bond rating analysis dated February 2021 Standard & Poor's (S&P) affirmed the 'AAA' rating on the Town's outstanding debt with a stable outlook. S&P cited the following reasons for their rating and stable outlook: **Long Term Rating: AAA/Stable** **New Barnstable GO Long Term Rating: AAA/Stable Affirmed**

Under our criteria, titled "Ratings above the Sovereign: Corporate And Government Ratings—Methodology And Assumptions," published Nov. 19, 2013, we rate Barnstable higher than the nation because we think the town can maintain better credit characteristics than the nation in a stress scenario based on its predominantly locally derived revenue base and our view that pledged revenue supporting bond debt service is at limited risk of negative sovereign intervention. In 2020, local property taxes generated nearly 70% of revenue, which demonstrated a lack of dependence

on central government revenue.

The town's general creditworthiness reflects our opinion of its:

- Very strong economy, with access to a broad and diverse metropolitan statistical area (MSA);
- Very strong management, with strong financial policies and practices under our Financial Management Assessment (FMA) methodology;
- Strong budgetary performance, with operating surpluses in the general fund and at the total governmental fund level in fiscal 2020, as well as reflecting some continued risk associated with the pandemic on near-term operations;
- Very strong budgetary flexibility, with an available fund balance in fiscal 2020 of 27% of operating expenditures;
- Very strong liquidity, with total government available cash at 23.3% of total governmental fund expenditures and 5.3x governmental debt service, and access to external liquidity we consider strong;
- Strong debt and contingent liability profile, with debt service carrying charges at 4.4% of expenditures and net direct debt that is 39.7% of total governmental fund revenue, as well as low overall net debt at less than 3.0% of market value and rapid amortization, with 74.9% of debt scheduled to be retired in 10 years, but a large pension and other postemployment benefit (OPEB) obligation and the lack of a plan to sufficiently address the obligation; and
- Strong institutional framework score.

The descriptor used by S&P for this rating is “Prime Investment Grade”. Strong bond ratings generally reduce interest expense to service the debt as well as bond insurance costs. Additionally, strong bond ratings enhance the prestige of the community within the financial markets and are a vote of confidence by the rating agency that the municipality is pursuing a sound financial course. This AAA rating reflects sound credit quality with associated very low risk and should result in future low borrowing costs for the Town.

The Town of Barnstable has maintained its bond rating from Standard & Poor’s of AAA, which was upgraded in June of 2007.

It is important to understand that no single ratio or factor determines a General Obligation Bond rating or fully encompasses the fiscal health of a municipality. The factors must be taken as a group. Other debt ratios, as well as economic and administrative factors account for the differences in ratings. A growing community can afford more debt than a non-growth community, and a community with more income wealth can afford more debt than a poorer community can.

Generally, bond ratings do not change suddenly but respond more to long-range trends. The stable outlook reflects S&P’s view of the town's very strong budgetary flexibility and liquidity, further supported by a strong economy. As such, they do not expect to change the rating in the next two years. However, dramatic changes are key indicators of fiscal health and can result in an immediate rating change. In projecting bond ratios, it is important to review the sensitivity of the ratios to changes in the economy.

Extract from Standard & Poor’s Credit Profile of Barnstable Dated February 4, 2021

“The rating reflects our opinion of Barnstable's very strong economy, supported by a wealthy tax base and high income. In addition, we think the town's continued maintenance of very strong budgetary flexibility, with available reserves averaging about 25% of expenditures during the past three fiscal years, due to positive financial performance and very strong management; further support our view of the rating. Although we think long-term retirement liabilities and costs and potential additional debt could pressure the budget, we believe that the town will likely manage these costs appropriately and that additional debt will likely remain relatively affordable due to Barnstable's size and wealthy tax base.”

General Obligation Debt - Limitations

There are legal limitations that govern the issuance of municipal debt. Under Massachusetts statutes, the debt limit of the Town of Barnstable is 5 percent of the valuation of taxable property as last equalized by the State Department of Revenue. The Town can authorize debt up to this amount without State approval. The current debt limitation for the Town of Barnstable is close to \$801.6 million, which is significantly higher than the Town's outstanding general obligation debt that is subject to this limitation. It should be pointed out that much of the existing Town debt does not factor into this limitation. There are categories of general obligation debt that are exempt from, and do not count against the debt limit such as certain school bonds, water bonds, solid waste disposal facility bonds, and water pollution abatement revenue bonds.

Town's Equalized Valuation (EQV)	<u>\$16,031,005,100</u>
Debt Limit – 5% of EQV	801,550,405
Less:	
Outstanding Debt Applicable to Limit	69,205,033
Authorized and Unissued Debt	<u>112,260,211</u>
Legal Debt Margin	<u>\$620,085,161</u>
% of debt limit debt applicable to the limit	22.64%

General Obligation Debt – Affordability

Debt analysis, future debt projections, and general obligation bond ratios help determine the amount of general obligation debt the Town can afford to issue and support. The table on the following page illustrates the various debt ratios compared to national medians reported by Standard and Poor's. As shown, Barnstable's ratios show moderate amounts of debt. However, there are a number of factors not directly under the control of the Town, which can influence key General Obligation (G.O.) bond ratios. Several of the G.O. bond ratios are very sensitive to these uncontrollable factors, and the assumptions used to project their growth can play an important role in future debt policy. Some of these factors are:

Overlapping Debt. Overlapping debt is the G.O. debt that is issued by other government entities whose jurisdictions include the citizens of Barnstable. The Town also has to be aware of the debt management practices of overlapping jurisdictions. The primary entities that have an impact on the Town are Barnstable County, Cape Cod Regional Vocational Technical School District, fire districts, and the regional transportation authority. Overlapping debt combined with the Town's own direct debt is a true measure of the G.O. debt burden placed on the citizens. To determine an issuer's overall G.O. debt burden, overlapping debt is added to the issuer's own outstanding G.O. debt. If other overlapping jurisdictions pursue aggressive capital improvements programs, some of the Town's debt ratios will increase. Therefore, it is important to be aware of not only our G.O. debt issuance plans, but also those of other surrounding jurisdictions.

Direct and Overlapping Governmental Activities Debt As of June 30, 2021

Town of Barnstable, Massachusetts	Debt Outstanding	Percentage Applicable (1), (2)	Share of Overlapping Debt
Debt repaid with property taxes and user charges:			
Barnstable County	\$22,991,188	17.00%	\$3,910,801
Cape Cod Regional Technical High School	66,050,000	27.00%	17,833,500
Barnstable Fire District	1,975,000	100.00%	1,975,000
Centerville-Osterville-Marston Mills Fire District	1,427,551	100.00%	1,427,551
Cotuit Fire District	2,842,104	100.00%	2,842,104
Hyannis Fire District	16,455,000	100.00%	16,455,000

Subtotal, overlapping debt	44,443,956
Town direct debt	53,855,792
Total direct and overlapping debt	\$98,299,748

- (1) County expenses, including debt service, are assessed upon the towns within the county in proportion to their taxable valuation.
- (2) The fire districts are special governmental units. The Town serves as a collecting agent for taxes and transfers funds directly to the fire districts on a weekly basis.

Property Assessments. Several key debt ratios use property valuations in the calculation of debt burden. If the Town's property values were to rise, debt ratios will continue to improve.

Town of Barnstable Debt Ratios

Current Status

0.51%

Criteria

Direct Debt - General Fund Debt Service as a % of the Town's Equalized Property Valuation as calculated by the state.

Formula – Total Government Obligation Bonds Debt Service ÷ Equalized Valuation

Standard & Poor's rates this as Low (Less than 3%)

5.57%

Municipal Debt Burden – Current Year

Formula - Total Government Obligation Bonds Debt Service ÷ Total General Fund Expenditures

Standard & Poor's rates this as Low (Below 8%)

\$2,322

Net Debt Per Capita

Formula – Governmental Fund Debt (Short + Long Term Debt) ÷ Town population

Standard & Poor's rates this as Low (below \$2,000)

\$327,725

Per Capita Market Value

Formula – Equalized Valuation ÷ Population

Standard & Poor's rates this as Extremely Strong (Above \$100,000)

Administrative Policies In Relation To Debt

This section provides policies governing the management of debt for the Town that are included in the Town's Administrative Code.

Debt Refinancing

Refunding (or refinancing) bonds are characterized as either current refunding's or advance refunding's. A current refunding is one in which the outstanding (refunded) bonds are redeemed within 90 days of the date the refunding bonds are issued. In an advance refunding, the refunded bonds are redeemed more than 90 days from the date the refunding bonds are issued. Changes to federal tax law in late 2017 eliminated the ability of governments to issue tax-exempt advance refunding bonds. Taxable advance refunding's of tax-exempt or taxable bonds are still permitted. However, if this opportunity is reintroduced, an advance refunding of outstanding debt shall only be considered when present value savings of at least 3% of the principal amount of the refunded bonds are produced, unless: (1) a debt restructuring is necessary or (2) bond covenant revisions are necessary in order to facilitate the ability to provide

services or to issue additional debt. The Town, in collaboration with its Financial Advisor, will continually monitor the municipal bond market conditions to identify refinancing opportunities. An analysis shall be conducted when necessary to determine whether debt financing, cash purchase, or leasing is the most cost effective method of financing for the Town.

General Obligation Debt

1. All debt shall be financed within the limitations of Proposition 2½ with the exception of debt related to Enterprise Funds, gifts, and betterments. The requirements for such financing shall be an expenditure of at least \$250,000 and a useful life in excess of five years.
2. The term of long-term debt generally shall not exceed the expected useful life of the capital asset being financed and, in no case, shall it exceed twenty years.
3. The ratio of Net Debt (Total outstanding Town of Barnstable General Obligation debt less reimbursements) to Total Assessed Valuation shall not exceed 1.5%. This excludes debt of overlapping jurisdictions.

The debt-to- assessed value ratio for the Town of Barnstable is 0.71%.

4. The ratio of Debt Service to Total Expenditures (operating expenditures and debt service combined) shall not exceed 15%.

The Town's debt coverage ratio is 5.57%.

5. The Town shall target a Standard and Poor's (S&P) debt to income ratio of 8%. The S&P ratio is calculated by dividing Overall Net Debt per Capita by Income per Capita.

The Town's debt-to-income per capita ratio is 6.6%.

6. Current revenue should be committed annually to provide sufficient "Pay-as-you-go" financing so that at the end of five years, annual contributions from current revenues amount to 10% of new debt to be issued.

The Town currently exceeds this requirement by a significant margin. The Town intends to spend over \$28 million in the next five years as "pay-as-you-go" and anticipates financing about \$87 million in capital with new debt issues resulting in a 35/65 ratio.

7. Excess appropriated bond issues shall be placed into a "bond repayment fund account" at the end of a project completion. The only purpose of the "bond repayment fund account" shall be 1) to make bulk principal pay-downs against general bond debt, or 2) to be used to pay down the principal on any bond issue at the time of refinancing as provided for in Section 1.04C herein.

The Town currently has no balance in this fund. Unspent bond proceeds are redirected to new eligible projects.

Capital Trust Fund

A Capital Trust Fund has been established for the purpose of financing debt service for recommended Capital Improvements Program projects, as contained within the Town's five-year capital improvements plan.

1. The Capital Trust Fund will be funded through a general operation set aside of at least \$1.9 million annually. The estimated commitment for FY 2023 is approximately \$12 million. This is expected to increase by 2.5% for the next 5 years.

2. The Capital Trust Fund shall not be utilized for any purpose other than that stated herein.
3. The criteria for reviewing capital project eligibility for Capital Trust Fund borrowing include the following:
 - a. The capital project shall have a financing term of 20 years or less,
 - b. The capital project shall have a minimum project cost of \$250,000,
 - c. The capital project is approved by the Town Council for funding through an appropriation and loan order submitted by the Town Manager.
4. The Capital Trust Fund will have a commitment restriction on the fund, such that obligated estimates from authorized orders shall not exceed, at any one time, more than 80% of the amount in the fund as of the close of the fiscal year prior to the next debt service authorization, unless recommended by the Town Manager.
5. The Capital Trust Fund shall otherwise function in accordance with related financial policies of the Town.

Debt Summarized

A responsible debt management program is an integral part of municipal finance. A Town's debt must be structured to reflect the underlying, long-term economic prospects of the community. There are statutory requirements and market forces at work to regulate a community's ability to borrow. Continuing disclosure, as required on an annual basis to the bond markets, provides a powerful incentive for a municipality to keep its financial house in order. This analysis has emphasized the importance of credit ratings because, in effect, these are municipal finance report cards. A good credit rating should be guarded jealously, since it is not easily obtained, but can be lost quickly without vigilance and sound financial management.

Debt Amortization Schedules as of June 30, 2022

SCHOOLS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
CTF Advance Refund 6/15/2003 School Remodel	04/18/12	09/15/22	193,400	15,300	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 School Remodel	04/18/12	09/15/22	242,700	20,196	-	-	-	-	-	-	-	-	-
CTF School Roof Repairs	11/22/13	11/15/23	600,000	62,250	60,750	-	-	-	-	-	-	-	-
CTF HS Library AC Units	11/22/13	11/15/23	450,000	46,688	45,563	-	-	-	-	-	-	-	-
CTF School Fire & Communications System	11/22/13	11/15/23	200,000	20,750	20,250	-	-	-	-	-	-	-	-
CTF School Computer Network Infrastructure	11/22/13	11/15/23	189,000	15,563	15,188	-	-	-	-	-	-	-	-
CTF Early Learning Center Modular Facility	02/17/15	02/15/35	2,000,000	141,125	137,125	133,125	129,125	126,125	123,125	120,625	118,000	115,000	112,000
CTF School Health & Safety Improvements	02/17/15	02/15/26	193,400	21,740	19,980	19,260	18,540	-	-	-	-	-	-
CTF MME Roof Replacement (I) \$750,000	02/17/15	02/15/26	329,800	43,240	40,720	34,240	32,960	-	-	-	-	-	-
CTF School Upgrades 2 (I) \$150,000 Refunded	02/17/15	02/15/27	47,400	5,820	5,620	4,920	4,240	4,120	-	-	-	-	-
CTF BHMCPs Roof (I) \$910,000 Refunded	02/17/15	02/15/27	426,900	50,610	48,890	46,170	44,490	42,230	-	-	-	-	-
CTF Elementary School Modular Classroom	02/25/16	06/30/36	3,720,000	265,706	258,306	250,906	243,506	236,106	232,406	227,781	223,850	218,300	212,750
CTF BIS Façade & Roof Improvements	02/25/16	06/30/36	3,353,000	242,781	235,981	229,181	222,381	210,581	207,281	203,156	199,650	194,700	189,750
CTF BCHMCPs Façade & Roof Improvements	02/25/16	06/30/26	260,000	29,000	28,000	27,000	26,000	-	-	-	-	-	-
CTF High School & Middle School Boiler	02/25/16	06/30/26	350,000	40,600	39,200	37,800	36,400	-	-	-	-	-	-
CTF W Village Elementary A/C Replacement	02/25/16	06/30/26	250,000	29,000	28,000	27,000	26,000	-	-	-	-	-	-
CTF School Facility Improvements 1 (I)	06/21/16	06/30/28	295,700	34,800	33,600	32,400	31,800	31,200	30,600	-	-	-	-
CTF School Parking Lot Light Pole Replacement (I)	02/23/17	06/30/27	435,000	53,400	51,600	44,800	43,200	41,600	-	-	-	-	-
CTF School Unit Ventilator Upgrade (I)	02/23/17	06/30/27	230,000	29,200	23,200	22,400	21,600	20,800	-	-	-	-	-
CTF Horace Mann Roof (I) (#2016-081)	02/27/18	06/30/38	2,350,000	191,119	187,519	181,519	175,519	169,519	163,519	152,519	147,919	143,319	139,869
CTF Barnstable Public Schools Unit Ventilator (I)	02/27/18	06/30/28	225,000	30,750	25,000	24,000	23,000	22,000	21,000	-	-	-	-
CTF Hyannis West Elementary Learning Center (I)	02/27/18	06/30/38	2,968,500	239,856	235,356	227,856	220,356	212,856	205,356	197,856	191,856	185,856	176,356
CTF Barnstable Public Schools Asbestos	02/27/18	06/30/28	270,000	32,000	31,250	30,000	28,750	27,500	26,250	-	-	-	-
CTF Barnstable High School Stadium Bleachers (I)	02/27/18	06/30/33	966,000	93,950	92,000	88,750	85,500	82,250	79,000	75,750	73,150	70,550	63,600
CTF Barnstable High School Cafeteria Window (I)	02/27/18	06/30/38	400,000	32,125	31,525	30,525	29,525	28,525	27,525	26,525	25,725	24,925	24,325
CTF Hyannis West Elementary School Roof Truss	02/26/19	06/30/39	850,000	73,800	71,550	69,300	67,050	64,800	62,550	60,300	53,050	51,050	49,850
CTF Barnstable High School Sports Field Upgrade	02/26/19	06/30/34	4,600,000	469,100	453,600	433,100	417,850	402,600	387,350	372,100	356,850	341,600	332,450
CTF Barnstable High School Engineering Phase 2	02/25/20	06/30/25	144,000	34,250	32,750	26,250	-	-	-	-	-	-	-
CTF Barnstable Public Schools Mechanical	02/25/20	06/30/40	250,000	23,225	22,475	21,725	20,975	20,225	19,475	18,725	17,975	12,375	12,075
CTF Barnstable Public Schools Environmental Lab	02/25/20	06/30/40	222,000	21,775	21,025	15,275	14,775	14,275	13,775	13,275	12,775	12,375	12,075
CTF BPS & BIS Roof Top Ventilators (#2019-098)	02/25/20	06/30/40	1,500,000	122,063	118,313	114,563	110,813	107,063	103,313	99,563	95,813	92,813	90,563
CTF Centerville Elementary Ventilator	02/25/20	06/30/40	500,000	40,688	39,438	38,188	36,938	35,688	34,438	33,188	31,938	30,938	30,188
CTF Hyannis West Elementary School Roof	02/25/20	06/30/40	450,000	39,500	38,250	37,000	35,750	34,500	33,250	32,000	30,750	24,750	24,150
CTF Centerville Elementary Roof (#2019-102)	02/25/20	06/30/40	250,000	23,225	22,475	21,725	20,975	20,225	19,475	18,725	17,975	12,375	12,075
CTF Barnstable High School Sports Field	02/25/20	06/30/35	1,100,000	113,350	109,600	105,850	102,100	98,350	94,600	90,850	87,100	79,100	77,000
CTF School Building Improvements Refi 6/15/10	03/15/21	06/30/30	337,450	51,525	50,200	48,850	46,975	45,600	43,700	41,800	39,900	-	-
CTF School Improvement (I) Refi 6/15/11	03/15/21	06/30/26	133,250	31,825	30,500	29,175	28,350	-	-	-	-	-	-
CTF School Facilities Upgrades/Repairs II	03/15/21	06/30/26	44,400	10,275	10,350	9,900	9,450	-	-	-	-	-	-
CTF School Facilities Upgrades/Repairs III	03/15/21	06/30/26	44,400	10,275	10,350	9,900	9,450	-	-	-	-	-	-
CTF School Facilities Upgrades/Repairs V (I)	03/15/21	06/30/31	358,750	52,690	50,840	49,490	48,115	46,215	39,315	37,665	36,515	34,840	-
CTF School District-Wide Communication,	03/15/21	06/30/26	404,500	96,000	92,000	88,000	84,000	-	-	-	-	-	-
CTF Elementary School HVAC Chiller	03/15/21	06/30/41	400,000	33,000	32,000	31,000	30,000	29,000	28,000	27,000	26,000	25,000	24,200
CTF BHS and BIS Rooftop Ventilator Replacement	03/15/22	03/15/42	3,205,000	291,650	278,400	270,400	262,400	256,000	248,000	240,000	232,000	224,000	216,000
Total Schools Interest & Principal				3,325,784	3,178,738	2,911,543	2,788,858	2,429,953	2,243,303	2,089,403	2,018,790	1,893,865	1,799,275
LAND ACQUISITION INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
CTF Land Acquisition (I) - Hyannis Golf Course	02/17/15	02/15/26	325,200	43,040	35,520	34,240	32,960	-	-	-	-	-	-
CTF Land Acquisition - CAP \$365,200 Refunded	06/21/16	06/30/23	115,000	21,840	-	-	-	-	-	-	-	-	-
Total Land Acquisition Interest & Principal				64,880	35,520	34,240	32,960	-	-	-	-	-	-

PUBLIC WAYS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
CTF Advance Refund 6/15/2003 Drainage 1 (i)	04/18/12	09/15/22	193,200	15,504	-	-	-	-	-	-	-	-	-
CTF Private Road Repairs (I) \$633,000	11/22/13	11/15/23	633,000	62,250	60,750	-	-	-	-	-	-	-	-
CTF Sidewalk Overlays	11/22/13	11/15/23	190,000	15,563	15,188	-	-	-	-	-	-	-	-
CTF Bumps River Bridge Repair	11/22/13	11/15/23	120,000	10,375	10,125	-	-	-	-	-	-	-	-
CTF Guardrail Improvements (#2015-098)	02/25/16	06/30/36	170,000	17,400	16,800	16,200	15,600	-	-	-	-	-	-
CTF Sidewalk Improvements (#2015-098)	02/25/16	06/30/36	230,000	23,200	22,400	21,600	20,800	-	-	-	-	-	-
CTF Road Repairs (#2015-102)	02/25/16	06/30/31	518,000	44,719	43,319	41,919	40,519	39,119	38,419	37,544	31,800	30,900	-
CTF Road Repairs - Governor's Way (#2016-037)	02/25/16	06/30/31	304,000	25,725	24,925	24,125	23,325	22,525	22,125	21,625	21,200	20,600	-
CTF Private Road Repairs \$1,607,900	06/21/16	06/30/23	509,000	104,000	-	-	-	-	-	-	-	-	-
CTF Private Roads Repairs (I) \$167,300	02/23/17	06/30/31	167,300	13,400	13,000	12,600	12,200	11,800	11,400	11,000	10,600	10,300	-
CTF Guardrail & Sidewalk Improvement Program	02/23/17	06/30/32	680,750	61,650	59,850	58,050	56,250	54,450	52,650	50,850	49,050	47,700	46,350
CTF Guardrail & Sidewalk (I) (#2017-073)	02/27/18	06/30/33	287,000	28,550	27,950	26,950	25,950	24,950	23,950	22,950	22,150	16,350	15,900
CTF Sidewalk Improvements (#2019-125)	02/25/20	06/30/35	314,000	30,400	29,400	28,400	27,400	26,400	25,400	24,400	23,400	22,600	22,000
CTF Crosswalk Improvements (#2019-128)	02/25/20	06/30/35	113,100	13,850	13,350	12,850	12,350	11,850	6,350	6,100	5,850	5,650	5,500
CTF Baxter's Neck Road - Private Way Refi	03/15/21	06/30/26	138,338	21,050	20,175	19,800	18,900	-	-	-	-	-	-
CTF Bumps River Bridge Repair (#2019-124)	03/15/21	06/30/41	900,000	74,250	72,000	69,750	67,500	65,250	63,000	60,750	58,500	56,250	54,450
CTF Public Bridge Maintenance and Repairs (I)	03/15/22	03/15/32	500,000	74,000	71,500	69,000	66,500	64,500	62,000	59,500	57,000	54,500	52,000
CTF Emergency Generator Implementation Plan	03/15/22	03/15/32	615,250	94,813	91,300	88,050	79,800	77,400	74,400	71,400	68,400	65,400	62,400
Total Public Ways Interest & Principal				730,698	592,031	489,294	467,094	398,244	379,694	366,119	347,950	330,250	258,600
PUBLIC FACILITIES INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
CTF Advance Refund 6/15/2003 Building	04/18/12	09/15/22	96,600	6,732	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 Police Facility	04/18/12	09/15/22	626,900	61,200	-	-	-	-	-	-	-	-	-
CTF Tennis Courts	11/22/13	11/15/23	500,000	51,875	50,625	-	-	-	-	-	-	-	-
CTF US Custom House upgrades	11/22/13	11/15/23	263,000	25,938	25,313	-	-	-	-	-	-	-	-
CTF Osterville Community Building Upgrades	11/22/13	11/15/23	200,000	20,750	20,250	-	-	-	-	-	-	-	-
CTF Police Station Upgrades	11/22/13	11/15/23	168,000	15,563	15,188	-	-	-	-	-	-	-	-
CTF Town Hall Interior Upgrades	11/22/13	11/15/23	150,000	15,563	15,188	-	-	-	-	-	-	-	-
CTF Guyer Barn Upgrades	11/22/13	11/15/23	148,000	15,438	10,125	-	-	-	-	-	-	-	-
CTF MEA Facility Upgrades	11/22/13	11/15/23	131,000	10,375	10,125	-	-	-	-	-	-	-	-
CTF Pearl St Building Upgrades	11/22/13	11/15/23	114,000	10,375	10,125	-	-	-	-	-	-	-	-
CTF S&G Facility Roof Repairs	11/22/13	11/15/23	103,000	10,375	10,125	-	-	-	-	-	-	-	-
CTF West Barnstable Community Building	11/22/13	11/15/23	72,000	5,188	5,063	-	-	-	-	-	-	-	-
CTF Highway Operations Facility Construction	11/22/13	11/15/23	66,000	5,188	5,063	-	-	-	-	-	-	-	-
CTF Centerville Recreation Building	02/17/15	02/15/35	185,000	13,663	13,263	12,863	12,463	12,163	11,863	11,613	11,350	11,050	10,750
CTF Senior Center - Parking Lot Expansion	02/17/15	02/15/30	290,000	24,925	24,125	23,325	22,525	21,925	21,325	20,825	10,300	-	-
CTF Police Facilities	02/17/15	02/15/35	288,000	20,719	20,119	19,519	18,919	18,469	18,019	17,644	17,250	16,800	16,350
CTF Police Station Construction (I) \$400,000 Adv	02/17/15	02/15/25	181,650	20,160	19,440	18,720	-	-	-	-	-	-	-
CTF Senior Center - Garden Level \$457,000	02/17/15	02/15/27	195,000	22,420	21,660	20,900	20,140	19,570	-	-	-	-	-
CTF Town Building Repairs & Renovations	02/17/15	02/15/27	317,600	38,410	37,090	30,770	29,650	27,810	-	-	-	-	-
CTF Bismore Park Visitor Center - CAP \$150,000	06/21/16	06/30/23	48,000	10,400	-	-	-	-	-	-	-	-	-
CTF Bismore Park Visitor Center \$465,000	06/21/16	06/30/23	147,500	29,120	-	-	-	-	-	-	-	-	-
CTF Municipal Building Improvements \$297,000	06/21/16	06/30/28	49,300	5,800	5,600	5,400	5,300	5,200	5,100	-	-	-	-
CTF Police Station Remodeling (#2015-100)	02/25/16	06/30/36	355,000	27,444	26,644	25,844	25,044	24,244	18,844	18,469	18,150	17,700	17,250
CTF Town Hall Remodeling (#2015-101)	02/25/16	06/30/36	939,000	69,831	62,831	61,031	59,231	57,431	56,531	55,406	54,450	53,100	51,750
CTF Joshua's Pond Recreational Facility	02/25/16	06/30/31	282,000	25,194	24,394	23,594	22,794	21,994	16,594	16,219	15,900	15,450	-
CTF Craigville Beach Bathhouse (#2016-031)	02/25/16	06/30/36	450,000	34,525	33,525	32,525	31,525	25,525	25,125	24,625	24,200	23,600	23,000
CTF Beach Facility Improvement (I) (#2016-110)	02/23/17	06/30/27	438,000	53,400	51,600	44,800	43,200	41,600	-	-	-	-	-
CTF Osterville Bay Elem School Improvements (I)	02/23/17	06/30/37	724,300	53,594	52,194	50,794	49,394	47,994	46,594	45,194	43,794	42,744	41,694
CTF Lombard Field Improvements (I) (#2016-113)	02/23/17	06/30/37	895,000	68,738	66,938	65,138	63,338	61,538	59,738	57,938	56,138	54,788	53,438
CTF West Barnstable Shooting Range (I)	02/27/18	06/30/28	314,000	38,400	37,500	36,000	34,500	33,000	31,500	-	-	-	-
CTF Design and Hazmat Removal Project Army	02/26/19	06/30/24	461,750	99,000	94,500	-	-	-	-	-	-	-	-
CTF Senior Center Renovations (#2018-076)	02/26/19	06/30/39	659,000	57,288	55,538	53,788	52,038	50,288	48,538	46,788	45,038	38,288	37,388

CTF Osterville Recreation Building Design	02/26/19	06/30/39	675,000	57,888	56,138	54,388	52,638	50,888	49,138	47,388	45,638	43,888	42,838
CTF Town Hall Restroom Renovations	02/26/19	06/30/39	560,000	49,056	47,556	46,056	44,556	43,056	41,556	40,056	38,556	37,056	31,156
CTF Former Marston Mills Elementary School	02/26/19	06/30/24	176,050	38,500	36,750	-	-	-	-	-	-	-	-
CTF School Administration Building (#2018-092)	02/26/19	06/30/24	285,000	60,500	57,750	-	-	-	-	-	-	-	-
CTF School Administration Building Remodeling	02/25/20	06/30/40	996,000	81,263	78,763	76,263	73,763	71,263	68,763	66,263	63,763	61,763	60,263
CTF Craigville Bath House (#2019-116)	02/25/20	06/30/40	255,000	23,375	22,625	21,875	21,125	20,375	19,625	18,875	18,125	17,525	12,075
CTF Craigville Parking Lot (#2019-116)	02/25/20	06/30/35	160,000	15,200	14,700	14,200	13,700	13,200	12,700	12,200	11,700	11,300	11,000
CTF Marston Mills Tennis Courts (#2019-117)	02/25/20	06/30/35	620,000	66,300	64,050	56,800	54,800	52,800	50,800	48,800	46,800	45,200	44,000
CTF Public Bridge Improvements and Repairs	02/25/20	06/30/40	500,000	40,688	39,438	38,188	36,938	35,688	34,438	33,188	31,938	30,938	30,188
CTF Police Facility Refi 6/15/10	03/15/21	06/30/30	187,450	28,850	27,825	26,800	26,275	25,225	24,175	23,125	22,575	-	-
CTF Municipal Facility Improvements Refi	03/15/21	06/30/29	33,750	5,475	5,275	5,075	4,875	5,175	4,950	4,725	-	-	-
CTF Town Hall Security Improvements	03/15/21	06/30/41	480,000	40,850	39,600	38,350	37,100	35,850	34,600	33,350	32,100	30,850	29,850
CTF Osterville Field Construction & Site	03/15/21	06/30/36	705,600	75,750	73,250	70,750	68,250	60,750	58,500	56,250	54,000	51,750	49,950
CTF 200 Main Street Mansard Evaluation &	03/15/21	06/30/41	374,000	32,400	31,400	30,400	29,400	28,400	27,400	26,400	25,400	24,400	23,600
CTF Salt Storage Facility Design & Construction	03/15/21	06/30/41	345,000	31,750	30,750	29,750	28,750	27,750	26,750	25,750	24,750	18,750	18,150
CTF Police Facility Improvements (I) (#2021-098)	03/15/22	03/15/42	806,432	78,354	69,600	67,600	65,600	64,000	62,000	60,000	58,000	56,000	54,000
CTF Police Site Security Fence (I) (#2021-099)	03/15/22	03/15/42	340,032	33,834	32,800	31,800	30,800	30,000	29,000	28,000	27,000	21,000	20,250
CTF Marston Mills School Demolition (I)	03/15/22	03/15/27	360,011	87,262	78,750	85,500	81,750	78,750	-	-	-	-	-
CTF Town Hall Mechanical Improvements (I)	03/15/22	03/15/42	1,908,596	179,076	165,300	160,550	155,800	152,000	147,250	142,500	137,750	133,000	128,250
Total Public Facilities Interest & Principal				1,993,954	1,796,465	1,379,353	1,316,178	1,263,918	1,051,413	981,588	934,663	856,938	807,188
WATERWAYS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
CTF East Bay Dredging	11/22/13	11/15/23	600,000	62,250	60,750	-	-	-	-	-	-	-	-
CTF Hyannis Harbor Bulkhead Construction	11/22/13	11/15/23	142,000	10,375	10,125	-	-	-	-	-	-	-	-
CTF Millway Boat Ramp & Dock Upgrades	11/22/13	11/15/23	133,000	10,375	10,125	-	-	-	-	-	-	-	-
CTF Marstons Mills Fish Run Reconstruction	02/17/15	02/15/30	326,000	25,225	24,425	23,625	22,825	22,225	21,625	21,125	20,600	-	-
CTF Pleasant St. Dock - 1 \$350,000 Refunded	06/21/16	06/30/23	109,500	21,840	-	-	-	-	-	-	-	-	-
CTF Pleasant St. Dock - 2 \$350,000 Refunded	06/21/16	06/30/23	110,000	21,840	-	-	-	-	-	-	-	-	-
CTF Boat Ramps - CAP \$927,000 Refunded	06/21/16	06/30/23	290,000	57,200	-	-	-	-	-	-	-	-	-
CTF Paving: Bay Street Boat Ramp (#2015-099)	02/25/16	06/30/26	142,000	17,000	16,400	10,800	10,400	-	-	-	-	-	-
CTF Channel Dredging- Barnstable Harbor	02/25/16	06/30/26	490,000	57,600	55,600	48,600	46,800	-	-	-	-	-	-
CTF Blish Point Boat Access Channel Dredging	02/23/17	06/30/37	943,900	74,506	72,506	70,506	63,506	61,706	59,906	58,106	56,306	54,956	53,606
CTF Dredging Refi 6/15/10	03/15/21	06/30/24	78,800	30,550	24,150	-	-	-	-	-	-	-	-
CTF Prince Cove/Hayward Rd. Boat Ramp Refi	03/15/21	06/30/26	177,650	42,100	40,850	39,075	37,800	-	-	-	-	-	-
CTF Channel Dredging - (#2019-119)	03/15/21	06/30/41	406,000	33,000	32,000	31,000	30,000	29,000	28,000	27,000	26,000	25,000	24,200
CTF Patrol Vessel Replacement (I) (#2021-103)	03/15/22	03/15/32	310,000	49,900	48,150	41,400	39,900	38,700	37,200	35,700	34,200	32,700	31,200
Total Waterways Interest & Principal				513,761	395,081	265,006	251,231	151,631	146,731	141,931	137,106	112,656	109,006
WATER QUALITY INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
CTF Advance Refund 6/15/2003 Drainage 2 (i)	04/18/12	09/15/22	96,700	6,834	-	-	-	-	-	-	-	-	-
CTF Water Quality Evaluation	11/22/13	11/15/23	230,000	20,750	20,250	-	-	-	-	-	-	-	-
CTF Hamblin Pond Alum Treatment (#2015-112)	02/25/16	06/30/31	300,000	25,725	24,925	24,125	23,325	22,525	22,125	21,625	21,200	20,600	-
CTF Lake Treatment Refi 6/15/10	03/15/21	06/30/25	54,350	15,550	14,875	14,700	-	-	-	-	-	-	-
CTF Stormwater Improvements - Impaired Ponds	03/15/21	06/30/41	300,000	24,750	24,000	23,250	22,500	21,750	21,000	20,250	19,500	18,750	18,150
CTF Stormwater Improvements - Impaired Ponds	03/15/22	03/15/32	325,000	50,600	48,850	47,100	45,350	43,950	37,200	35,700	34,200	32,700	31,200
Total Water Quality Interest & Principal				144,209	132,900	109,175	91,175	88,225	80,325	77,575	74,900	72,050	49,350
TOTAL GENERAL FUND BOND OBLIGATIONS				6,773,286	6,130,735	5,188,610	4,947,495	4,331,970	3,901,465	3,656,615	3,513,409	3,265,759	3,023,419
AIRPORT INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
Airport Terminal Ramp Construction - Phase 2	02/23/17	06/30/37	428,000	32,413	31,613	30,813	30,013	29,213	28,413	27,613	26,813	26,013	25,213
Airport New Fuel Farm (I) (#2013-102)	02/23/17	06/30/36	634,500	47,875	46,675	45,475	44,275	43,075	41,875	40,675	39,475	38,275	37,075
Airport East Ramp Design & Construction (O)	02/23/17	06/30/37	641,200	43,169	41,669	40,169	38,669	37,169	35,669	34,169	32,669	31,169	29,669

Runway Reconstruction & Generator	02/26/19	06/30/39	355,500	32,144	31,144	30,144	29,144	28,144	27,144	26,144	25,144	19,144	18,694
Airfield Improvements	02/26/19	06/30/31	59,700	7,150	6,900	6,650	6,400	6,150	5,900	5,650	5,400	5,150	-
Total Airport Fund Bonds			162,750	163,500	159,050	154,600	155,150	150,500	155,850	150,800	146,700	138,100	
GOLF COURSE INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
Hyannis Golf Course Acquisition \$3,900,000	02/17/15	02/15/25	1,951,500	288,200	291,960	290,160	-	-	-	-	-	-	-
Olde Barnstable Building Improvements	02/25/16	06/30/26	174,000	23,200	22,400	21,600	20,800	-	-	-	-	-	-
Hyannis Building Improvements (#2015-106)	02/25/16	06/30/26	140,000	17,400	16,800	16,200	15,600	-	-	-	-	-	-
Olde Barnstable Fairgrounds Golf Course (I)	02/23/17	06/30/37	245,000	21,113	20,513	19,913	19,313	13,713	13,313	12,913	12,513	12,213	11,913
Hyannis Golf Course Improvements (I)	02/23/17	06/30/37	292,700	22,475	21,875	21,275	20,675	20,075	19,475	18,875	18,275	17,825	17,375
Hyannis Golf Course Turf Maintenance (I)	02/27/18	06/30/23	310,000	61,800	-	-	-	-	-	-	-	-	-
Olde Barnstable Turf maintenance Equipment	03/15/22	03/15/32	467,179	69,688	65,150	52,900	51,150	49,750	68,000	65,250	62,500	59,750	52,000
Total Golf Course			503,875	438,698	422,048	127,538	83,538	100,788	97,038	93,288	89,788	81,288	
WATER POLLUTION CONTROL INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	436,370	30,750	-	-	-	-	-	-	-	-	-
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	(9,028)	(9,028)	-	-	-	-	-	-	-	-	-
Sewer 98-44A	07/14/06	08/01/23	1,582,178	120,681	115,000	-	-	-	-	-	-	-	-
Sewer 98-44A (Subsidy)	07/14/06	08/01/23	(subsidy)	(38,360)	(34,430)	-	-	-	-	-	-	-	-
Sewer 98-49A	12/14/06	08/01/23	556,458	41,976	40,000	-	-	-	-	-	-	-	-
Sewer 98-49A (Subsidy)	12/14/06	08/01/23	(subsidy)	(13,463)	(12,096)	-	-	-	-	-	-	-	-
MWPAT CW-04-35	12/15/09	07/15/27	4,938,114	326,668	326,668	326,668	326,668	326,668	326,668	-	-	-	-
Sewer 05-28 Restructured	03/15/11	07/15/28	629,403	41,636	41,637	41,637	41,637	41,636	41,637	41,636	-	-	-
Sewer CW-04-35A Pool 13	06/06/12	07/15/27	1,469,137	107,259	107,247	107,234	107,221	107,207	107,193	-	-	-	-
Rehab Clarifiers (#2015-091)	06/21/16	06/30/28	251,000	26,080	33,200	27,000	26,500	26,000	25,500	-	-	-	-
Pump Station/Sewer Main Const (#2009-132)	02/25/16	06/30/36	1,000,000	71,813	69,813	67,813	65,813	63,813	62,813	61,563	60,500	59,000	57,500
Wastewater Treatment Plant Clarifiers Rehab (O)	02/23/17	06/30/37	1,146,000	90,019	87,619	85,219	82,819	75,419	73,219	71,019	68,819	67,169	65,519
Wastewater Treatment Plant Backup Generator	02/23/17	06/30/37	862,000	67,650	65,850	64,050	62,250	60,450	58,650	56,850	50,050	48,850	47,650
Sewer System Evaluation Surveys (#2019-131)	02/25/20	06/30/25	343,500	80,250	76,750	68,250	-	-	-	-	-	-	-
Rendezvous Lane Pump Station Replacement	03/15/21	06/30/41	1,160,000	98,200	95,200	92,200	89,200	86,200	83,200	80,200	77,200	74,200	71,800
Pump Station Rehabilitation (#2020-175)	03/15/21	06/30/29	40,300	6,750	6,500	6,250	6,000	5,750	5,500	5,250	-	-	-
720 Main Street Sewer Pump Station	03/15/22	03/15/26	23,500	9,625	5,700	5,450	5,200	-	-	-	-	-	-
Total Water Pollution Control Enterprise Fund			1,058,505	1,024,657	891,769	813,307	793,143	784,379	316,518	256,569	249,219	242,469	
SOLID WASTE INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
Advance Refund 6/15/2003 Transfer Station	04/18/12	09/15/22	241,500	20,910	-	-	-	-	-	-	-	-	-
Solid Waste Facility (I) \$630,000 Refunded	02/17/15	02/15/27	284,900	33,040	31,920	30,800	29,680	28,840	-	-	-	-	-
Total Solid Waste Fund			53,950	31,920	30,800	29,680	28,840	-	-	-	-	-	-
WATER SUPPLY INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
MWPAT DWS-09-02	07/08/10	07/15/30	2,788,911	169,184	169,184	169,185	169,184	169,184	169,184	169,184	169,184	169,184	-
DWP-11-10 Series 17A	05/22/13	01/15/33	560,761	34,285	34,332	34,382	34,431	34,482	34,534	34,587	34,641	34,698	34,754
Water Co. (Level Debt) (O) \$10,000,000	02/17/15	02/15/27	5,704,800	692,070	691,870	689,750	692,750	692,160	-	-	-	-	-
Water Main Loop	02/17/15	02/15/35	540,000	40,538	39,338	38,138	36,938	36,038	35,138	34,388	23,600	23,000	22,400
DW-09-02 Series 16	05/14/15	07/15/32	533,117	35,213	35,256	35,300	35,346	35,391	35,439	35,487	35,536	35,586	35,637
DWP-11-09 Series 17A	05/14/15	01/15/33	793,438	52,831	52,904	52,980	53,057	53,135	53,215	53,298	53,381	53,466	53,553
Pipe Replacement Upgrade FY17 (#2015-085)	02/25/16	06/30/36	900,000	64,631	62,831	61,031	59,231	57,431	56,531	55,406	54,450	53,100	51,750
Hyannis Water System Pipe Replacement (O)	02/23/17	06/30/37	858,400	67,450	65,650	63,850	62,050	60,250	58,450	51,650	50,050	48,850	47,650
DWP-14-09 Mass Clean Water Trust	04/13/17	07/15/37	1,467,339	89,240	89,354	89,471	89,591	89,713	89,838	89,966	90,096	90,229	90,366
Well Reactivation (O) (#2017-080)	02/27/18	06/30/38	276,000	23,313	22,863	22,113	21,363	20,613	19,863	19,113	18,513	17,913	17,463
Water Pipe Replacement (O) (#2017-081)	02/27/18	06/30/38	468,000	39,075	38,325	37,075	35,825	34,575	33,325	32,075	31,075	30,075	24,325
Mary Dunn Water Storage Tank Site Work (O)	02/27/18	06/30/38	600,500	48,188	47,288	45,788	44,288	42,788	41,288	39,788	38,588	37,388	36,488

Water Carbon Filter Units (O) (#2017-079)	02/27/18	06/30/18	440,000	57,100	55,750	53,500	51,250	44,000	42,000	-	-	-	-
Pipe Replacement Upgrade FY19 (#2018-081)	02/26/19	06/30/39	1,050,000	90,563	87,813	85,063	82,313	79,563	76,813	74,063	66,313	63,813	62,313
Carbon Treatment System Construction at	02/26/19	06/30/28	318,500	45,500	43,750	42,000	40,250	38,500	36,750	-	-	-	-
Well Exploration Program (2013-087)	02/26/19	06/30/28	489,500	71,000	68,250	65,500	62,750	55,000	52,500	-	-	-	-
MCWT Series 19 DWP-13-01 Reamortization	04/11/19	07/15/36	1,736,865	120,740	120,898	121,059	121,225	121,394	121,566	121,742	121,922	122,106	122,294
Water Pipe Replacement (#2019-135)	02/25/20	06/30/40	950,500	80,188	77,688	75,188	72,688	70,188	67,688	65,188	62,688	55,688	54,338
MCWT Bonds; Series 21 DWP-16-17 (#2014-073,	09/25/20	06/30/39	2,428,471	159,306	159,479	159,656	159,837	160,021	160,209	160,403	160,599	160,800	161,006
New Well Exploration Program (#2018-083)	03/15/21	06/30/41	314,500	30,000	24,000	23,250	22,500	21,750	21,000	20,250	19,500	18,750	18,150
CTF 50% Water Infrastructure Construction	03/15/21	06/30/41	1,000,000	82,500	80,000	77,500	75,000	72,500	70,000	67,500	65,000	62,500	60,500
Pipe Replacement & Upgrades (#2020-120)	03/15/21	06/30/41	750,000	64,950	62,950	60,950	58,950	56,950	54,950	52,950	50,950	48,950	42,350
MCWT DWP-18-10 (#2017-099, 2018-173)	05/11/21	01/15/46	9,754,852	505,248	505,776	506,318	506,872	507,439	508,019	508,614	509,223	509,846	510,484
MCWT DWP-19-28 (#2019-215)	05/11/21	01/15/41	2,642,303	130,437	130,632	130,828	131,025	131,221	131,418	131,616	131,813	132,011	132,209
Water Pipe Replacement and Upgrades (O)	03/15/22	03/15/42	946,000	88,800	85,250	82,750	80,250	78,250	75,750	73,250	70,750	68,250	60,750
Total Water Enterprise Fund			2,882,347	2,851,431	2,822,621	2,798,961	2,762,534	2,045,466	1,890,515	1,857,870	1,836,200	1,638,776	
MARINA INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
Advance Refund 6/14/2004 Prince Cove Marina	04/18/12	09/15/22	864,000	91,800	-	-	-	-	-	-	-	-	-
Gateway Marina Dredging (#2015-108)	02/25/16	06/30/26	280,000	29,000	28,000	27,000	26,000	-	-	-	-	-	-
Prince Cover Marina Bulkhead (#2015-109)	02/25/16	06/30/36	570,000	42,188	40,988	39,788	38,588	37,388	36,788	36,038	35,400	29,500	28,750
Gateway Marina Maintenance Dredging (I)	02/23/17	06/30/37	476,500	37,475	36,475	35,475	34,475	33,475	32,475	31,475	30,475	29,725	28,975
CTF Marina Bulkhead Repair I Refi 6/15/11	03/15/21	06/30/30	271,950	45,400	38,725	37,800	36,350	35,400	33,925	32,450	30,975	-	-
Marina Bulkhead Repair II Refi 6/15/11	03/15/21	06/30/30	243,800	34,975	33,775	32,575	31,875	35,650	34,175	32,700	36,225	-	-
Marina Bismore Park Bulkhead Imp. Design (I)	03/15/22	03/15/27	184,000	52,850	41,650	39,900	38,150	36,750	-	-	-	-	-
Total Marina Enterprise Fund			333,688	219,613	212,538	205,438	178,663	137,363	132,663	133,075	59,225	57,725	
SANDY NECK INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
Sandy Neck Beach House I Refi 6/15/11	03/15/21	06/30/31	470,600	63,315	58,690	56,190	55,715	64,665	62,065	58,965	59,890	55,640	-
Sandy Neck Beach House II Refi 6/15/11	03/15/21	06/30/26	26,250	5,100	4,900	5,200	9,975	-	-	-	-	-	-
Sandy Neck Beach House III Refi 6/15/11	03/15/21	06/30/31	98,350	11,870	11,495	11,120	10,745	10,870	15,470	14,820	14,170	13,520	-
Total Sandy Neck Enterprise Fund			80,285	75,085	72,510	76,435	75,535	77,535	73,785	74,060	69,160	-	
HYCC INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
CTF HYCC 1 (I) \$1,000,000 Refunded	02/17/15	02/15/27	474,900	56,470	53,550	51,670	49,790	47,380	-	-	-	-	-
CTF HYCC 2 (I) \$8,000,000 Refunded	02/17/15	02/15/27	3,794,400	447,650	430,450	413,330	396,290	380,070	-	-	-	-	-
CTF HYCC 3 (I) \$1,600,000 Refunded	02/17/15	02/15/27	759,000	89,550	86,510	82,470	79,470	76,220	-	-	-	-	-
CTF HYCC 4 (I) \$6,765,000 Refunded	06/21/16	06/30/28	3,320,000	384,480	374,200	360,800	344,100	332,600	316,200	-	-	-	-
CTF HYCC Roof, HVAC, and Parking & Security	02/25/20	06/30/40	679,000	56,425	54,675	52,925	51,175	49,425	47,675	45,925	44,175	42,775	41,725
CTF HYCC Facility Improvements (#2020-103)	03/15/21	06/30/41	674,700	62,450	60,450	58,450	51,450	49,700	47,950	46,200	44,450	42,700	36,300
CTF HYCC Facility Improvements (I) (#2021-106)	03/15/22	03/15/42	1,484,000	137,850	129,900	126,150	122,400	119,400	115,650	111,900	108,150	104,400	100,650
Total HYCC Enterprise Fund			1,234,875	1,189,735	1,145,795	1,094,675	1,054,795	527,475	204,025	196,775	189,875	178,675	
ROAD BETTERMEND REVOLVING FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
Gleneagle Drive Private Road Repairs	02/25/20	06/30/30	675,000	96,100	92,600	89,100	80,600	77,350	74,100	70,850	67,600	-	-
Crosby Circle Private Road Repairs (#2017-148)	02/25/21	06/30/30	44,000	5,800	5,700	5,600	5,500	5,400	5,300	5,200	5,100	-	-
Pine Ridge & Waquoit Private Road (#2017-149)	02/25/21	06/30/33	113,200	11,920	11,720	11,520	11,320	11,120	10,920	10,720	10,520	10,320	10,200
Woodland Avenue Private Road Repair	02/25/21	06/30/33	71,900	11,095	5,895	5,795	5,695	5,595	5,495	5,395	5,295	5,195	5,135
Bunker Hill Private Road Repair (#2017-168)	02/25/21	06/30/33	296,450	29,905	29,405	28,905	28,405	27,905	27,405	26,905	26,405	25,905	25,605
Beach Plum & Smoke Valley Private Road	02/25/21	06/30/33	447,600	47,465	46,665	45,865	45,065	44,265	38,465	37,765	37,065	36,365	35,945
Ice Valley & Fox Island Private Road (#2017-170)	02/25/21	06/30/33	512,300	53,560	52,660	51,760	50,860	49,960	49,060	48,160	47,260	46,360	45,460
Locust Lane Private Road (#2018-140)	02/25/21	06/30/29	38,750	5,700	5,600	5,500	5,400	5,300	5,200	5,100	-	-	-
Multiple Temporary Private Road (#2018-151)	02/25/21	06/30/34	335,300	35,575	34,975	29,375	28,875	28,375	27,875	27,375	26,875	26,375	26,075
Laura Road Private Road #2018-167)	02/25/21	06/30/26	28,500	5,400	5,300	5,200	5,100	-	-	-	-	-	-

Wheeler Road Private Road (#2020-045)	02/25/21	06/30/36	510,650	43,485	42,785	42,085	41,385	40,685	39,985	39,285	38,585	37,885	37,465
Goodview Way Private Road (#2020-080)	02/25/21	06/30/36	218,850	18,625	18,325	18,025	17,725	17,425	17,125	16,825	16,525	16,225	16,045
Nyes Neck Private Road (#2020-189)	02/25/21	06/30/36	127,500	12,095	11,895	11,695	11,495	11,295	11,095	10,895	10,695	10,495	5,375
Total Road Betterment Revolving Fund				376,725	363,525	350,425	337,425	324,675	312,025	299,475	287,025	210,325	202,925
COMMUNITY PRESERVATION FUND INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
Advance Refund 6/15/2003 Landbank	04/18/12	09/15/22	964,600	96,492	-	-	-	-	-	-	-	-	-
Advance Refund 6/15/2004 Landbank	04/18/12	09/15/22	5,385,600	567,732	-	-	-	-	-	-	-	-	-
Advance Refund 6/15/2004 Landbank	04/18/12	09/15/22	227,300	25,500	-	-	-	-	-	-	-	-	-
Land Acquisition - 2004-105 Bone Hill \$200k	02/17/15	02/15/25	90,850	10,080	9,720	9,360	-	-	-	-	-	-	-
Land Acquisition - 06-15-05 - 2004-106 \$180k	02/17/15	02/15/25	73,600	4,480	4,320	4,160	-	-	-	-	-	-	-
Land Acquisition - Hyannis Golf \$5,500,000	02/17/15	02/15/25	2,496,300	277,620	266,700	255,320	-	-	-	-	-	-	-
Land Acquisition - Archibald \$500,000 Refunded	02/17/15	02/15/26	212,100	26,450	25,530	24,610	23,690	-	-	-	-	-	-
Town Hall Renovations Refi 6/15/10	03/15/21	06/30/30	487,550	74,675	72,525	70,350	67,650	65,450	62,725	60,500	57,750	-	-
Total Community Preservation Fund				1,083,029	378,795	363,800	91,340	65,450	62,725	60,500	57,750	-	-
TITLE V FUND INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	190,580	10,459	-	-	-	-	-	-	-	-	-
Title V - Phase I - 97-1131 Series 6 (Subsidy)	07/01/04	08/01/22	(subsidy)	(255)	-	-	-	-	-	-	-	-	-
Title V - Phase III - Pool 11 T5-97-1131-2	10/31/05	07/15/25	200,000	10,000	10,000	10,000	10,000	-	-	-	-	-	-
Title V - Phase IV - Pool 11 T5-97-1131-3	10/31/05	07/15/25	200,000	10,000	10,000	10,000	10,000	-	-	-	-	-	-
Title V - Phase V - Pool 12 97-1131-4D	12/14/06	07/15/26	200,000	10,000	10,000	10,000	10,000	10,000	-	-	-	-	-
Total Title V				40,204	30,000	30,000	30,000	10,000	-	-	-	-	-
SEWER CONSTRUCTION & PRIVATE WAY MAINT. IMP. FUND INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2023	Pymts FY 2024	Pymts FY 2025	Pymts FY 2026	Pymts FY 2027	Pymts FY 2028	Pymts FY 2029	Pymts FY 2030	Pymts FY 2031	Pymts FY 2032
MWPAT CWS-09-07	07/08/10	07/15/30	3,285,646	199,318	199,318	199,318	199,318	199,318	199,318	199,318	199,318	199,318	-
Sewer CWS-09-07-A Series 16	05/14/15	07/15/32	4,592,367	303,329	303,701	304,082	304,471	304,868	305,273	305,688	306,111	306,544	306,986
310 Main Street, Barnstable (Centerville)	02/25/20	06/30/40	549,000	47,438	45,938	44,438	42,938	41,438	39,938	38,438	31,938	30,938	30,188
1456 Falmouth Road, Route 28, Barnstable	02/25/20	06/30/40	283,900	23,975	23,225	22,475	21,725	20,975	20,225	19,475	18,725	18,125	17,675
RT 28 East Sewer Expansion Pump Station,	03/15/21	06/30/41	800,000	66,000	64,000	62,000	60,000	58,000	56,000	54,000	52,000	50,000	48,400
Total Sewer Construction & Private Way Maintenance and Improvement Fund				640,059	636,182	632,313	628,451	624,598	620,753	616,918	608,092	604,925	403,249
TOTAL ENTERPRISE FUND AND OTHER FUND BOND OBLIGATIONS				8,450,292	7,403,139	7,133,668	6,387,849	6,156,920	4,819,008	3,847,286	3,715,303	3,455,416	2,943,207
GRAND TOTAL TOWN OF BARNSTABLE BOND OBLIGATIONS				15,223,578	13,533,874	12,322,278	11,335,344	10,488,890	8,720,473	7,503,901	7,228,712	6,721,174	5,966,625
SCHOOLS INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
School Remodel II	04/18/12	09/15/22	193,400	-	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	-	-	-	-	-	-	-	-	-	-
CTF School Roof Repairs	11/22/13	11/15/23	600,000	-	-	-	-	-	-	-	-	-	-
CTF HS Library AC Units	11/22/13	11/15/23	450,000	-	-	-	-	-	-	-	-	-	-
CTF School Fire & Communications System	11/22/13	11/15/23	200,000	-	-	-	-	-	-	-	-	-	-
CTF School Computer Network Infrastructure	11/22/13	11/15/23	189,000	-	-	-	-	-	-	-	-	-	-
CTF Early Learning Center Modular Facility	02/17/15	02/15/35	2,000,000	109,000	106,000	103,000	-	-	-	-	-	-	-
CTF School Health & Safety Improvements \$478,000	02/17/15	02/15/26	193,400	-	-	-	-	-	-	-	-	-	-
CTF MME Roof Replacement (I) \$750,000 Refunded	02/17/15	02/15/26	329,800	-	-	-	-	-	-	-	-	-	-
CTF School Upgrades 2 (I) \$150,000 Refunded	02/17/15	02/15/27	47,400	-	-	-	-	-	-	-	-	-	-
CTF BHMCPs Roof (I) \$910,000 Refunded	02/17/15	02/15/27	426,900	-	-	-	-	-	-	-	-	-	-
CTF Elementary School Modular Classroom (#2015-115)	02/25/16	06/30/36	3,720,000	207,200	201,650	196,100	190,550	-	-	-	-	-	-
CTF BIS Façade & Roof Improvements (#2015-116)	02/25/16	06/30/36	3,353,000	184,800	179,850	174,900	169,950	-	-	-	-	-	-
CTF BCHMCPs Façade & Roof Improvements (#2015-117)	02/25/16	06/30/26	260,000	-	-	-	-	-	-	-	-	-	-

CTF High School & Middle School Boiler Upgrades	02/25/16	06/30/26	350,000	-	-	-	-	-	-	-	-	-	-
CTF W Village Elementary A/C Replacement (#2015-120)	02/25/16	06/30/26	250,000	-	-	-	-	-	-	-	-	-	-
CTF School Facility Improvements 1 (I) \$916,600 Refunded	06/21/16	06/30/28	295,700	-	-	-	-	-	-	-	-	-	-
CTF School Parking Lot Light Pole Replacement (I)	02/23/17	06/30/27	435,000	-	-	-	-	-	-	-	-	-	-
CTF School Unit Ventilator Upgrade (I) (#2016-083)	02/23/17	06/30/27	230,000	-	-	-	-	-	-	-	-	-	-
CTF Horace Mann Roof (I) (#2016-081)	02/27/18	06/30/38	2,350,000	136,419	132,969	129,519	126,069	122,475	118,738	-	-	-	-
CTF Barnstable Public Schools Unit Ventilator (I) (#2017-062)	02/27/18	06/30/28	225,000	-	-	-	-	-	-	-	-	-	-
CTF Barnstable High School Learning Center (I) (#2017-063)	02/27/18	06/30/38	2,968,500	172,006	167,656	163,306	158,956	154,425	149,713	-	-	-	-
CTF Barnstable Public Schools Asbestos Abatement (I)	02/27/18	06/30/28	270,000	-	-	-	-	-	-	-	-	-	-
CTF Barnstable High School Stadium Bleachers (I) (#2017-067)	02/27/18	06/30/33	966,000	61,800	-	-	-	-	-	-	-	-	-
CTF Barnstable High School Cafeteria Window (I) (#2017-068)	02/27/18	06/30/38	400,000	23,725	23,125	22,525	21,925	21,300	20,650	-	-	-	-
CTF Hyannis West Elementary School Roof Truss System	02/26/19	06/30/39	850,000	48,650	47,450	46,250	45,050	43,850	42,600	41,300	-	-	-
CTF Barnstable High School Sports Field Upgrade (#2018-064)	02/26/19	06/30/34	4,600,000	323,300	314,150	-	-	-	-	-	-	-	-
CTF Barnstable High School Engineering Phase 2 Sports Field	02/25/20	06/30/25	144,000	-	-	-	-	-	-	-	-	-	-
CTF Barnstable Public Schools Mechanical Upgrades	02/25/20	06/30/40	250,000	11,775	11,475	11,275	11,075	10,875	10,663	10,450	10,225	-	-
CTF Barnstable Public Schools Environmental Lab (#2019-097)	02/25/20	06/30/40	222,000	11,775	11,475	11,275	11,075	10,875	10,663	10,450	10,225	-	-
CTF BPS & BIS Roof Top Ventilators (#2019-098)	02/25/20	06/30/40	1,500,000	88,313	86,063	84,563	83,063	81,563	79,969	78,375	76,688	-	-
CTF Centerville Elementary Ventilator (#2019-099)	02/25/20	06/30/40	500,000	29,438	28,688	28,188	27,688	27,188	26,656	26,125	25,563	-	-
CTF Hyannis West Elementary School Roof (#2019-101)	02/25/20	06/30/40	450,000	23,550	22,950	22,550	22,150	21,750	21,325	20,900	20,450	-	-
CTF Centerville Elementary Roof (#2019-102)	02/25/20	06/30/40	250,000	11,775	11,475	11,275	11,075	10,875	10,663	10,450	10,225	-	-
CTF Barnstable High School Sports Field Upgrades	02/25/20	06/30/35	1,100,000	74,900	72,800	71,400	-	-	-	-	-	-	-
CTF School Building Improvements Refi 6/15/10	03/15/21	06/30/30	337,450	-	-	-	-	-	-	-	-	-	-
CTF School Improvement (I) Refi 6/15/11	03/15/21	06/30/26	133,250	-	-	-	-	-	-	-	-	-	-
CTF School Facilities Upgrades/Repairs II Refi 6/15/11	03/15/21	06/30/26	44,400	-	-	-	-	-	-	-	-	-	-
CTF School Facilities Upgrades/Repairs III Refi 6/15/11	03/15/21	06/30/26	44,400	-	-	-	-	-	-	-	-	-	-
CTF School Facilities Upgrades/Repairs V (I) Refi 6/15/11	03/15/21	06/30/31	358,750	-	-	-	-	-	-	-	-	-	-
CTF School District-Wide Communication, Surveillance	03/15/21	06/30/26	404,500	-	-	-	-	-	-	-	-	-	-
CTF Elementary School HVAC Chiller Replacement	03/15/21	06/30/41	400,000	23,600	23,200	22,800	22,400	22,000	21,600	21,200	20,800	20,400	-
CTF BHS and BIS Rooftop Ventilator Replacement (I)	03/15/22	03/15/42	3,205,000	209,600	203,200	198,400	193,600	188,800	184,000	179,200	174,400	169,600	164,800
Total Schools Interest & Principal				1,751,625	1,644,175	1,297,325	1,094,625	715,975	697,238	398,450	348,575	190,000	164,800
LAND ACQUISITION INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
CTF Land Acquisition (I) - Hyannis Golf Course \$748,000	02/17/15	02/15/26	325,200	-	-	-	-	-	-	-	-	-	-
CTF Land Acquisition - CAP \$365,200 Refunded	06/21/16	06/30/23	115,000	-	-	-	-	-	-	-	-	-	-
Total Land Acquisition Interest & Principal													
PUBLIC WAYS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
CTF Advance Refund 6/15/2003 Drainage 1 (i)	04/18/12	09/15/22	193,200	-	-	-	-	-	-	-	-	-	-
CTF Private Road Repairs (I) \$633,000	11/22/13	11/15/23	633,000	-	-	-	-	-	-	-	-	-	-
CTF Sidewalk Overlays	11/22/13	11/15/23	190,000	-	-	-	-	-	-	-	-	-	-
CTF Bumps River Bridge Repair	11/22/13	11/15/23	120,000	-	-	-	-	-	-	-	-	-	-
CTF Guardrail Improvements (#2015-098)	02/25/16	06/30/36	170,000	-	-	-	-	-	-	-	-	-	-
CTF Sidewalk Improvements (#2015-098)	02/25/16	06/30/36	230,000	-	-	-	-	-	-	-	-	-	-
CTF Road Repairs (#2015-102)	02/25/16	06/30/31	518,000	-	-	-	-	-	-	-	-	-	-
CTF Road Repairs - Governor's Way (#2016-037)	02/25/16	06/30/31	304,000	-	-	-	-	-	-	-	-	-	-
CTF Private Road Repairs \$1,607,900	06/21/16	06/30/23	509,000	-	-	-	-	-	-	-	-	-	-
CTF Private Roads Repairs (I) \$167,300	02/23/17	06/30/31	167,300	-	-	-	-	-	-	-	-	-	-
CTF Guardrail & Sidewalk Improvement Program (I)	02/23/17	06/30/32	680,750	-	-	-	-	-	-	-	-	-	-
CTF Guardrail & Sidewalk (I) (#2017-073)	02/27/18	06/30/33	287,000	15,450	-	-	-	-	-	-	-	-	-
CTF Sidewalk Improvements (#2019-125)	02/25/20	06/30/35	314,000	21,400	20,800	20,400	-	-	-	-	-	-	-
CTF Crosswalk Improvements (#2019-128)	02/25/20	06/30/35	113,100	5,350	5,200	5,100	-	-	-	-	-	-	-
CTF Baxter's Neck Road - Private Way Refi 6/15/11	03/15/21	06/30/26	138,338	-	-	-	-	-	-	-	-	-	-
CTF Bumps River Bridge Repair (#2019-124)	03/15/21	06/30/41	900,000	53,100	52,200	51,300	50,400	49,500	48,600	47,700	46,800	45,900	-
CTF Public Bridge Maintenance and Repairs (I) (#2021-111)	03/15/22	03/15/32	500,000	-	-	-	-	-	-	-	-	-	-

CTF Emergency Generator Implementation Plan (I)	03/15/22	03/15/32	615,250	-	-	-	-	-	-	-	-	-	-
Total Public Ways Interest & Principal				95,300	78,200	76,800	50,400	49,500	48,600	47,700	46,800	45,900	-
PUBLIC FACILITIES INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
CTF Advance Refund 6/15/2003 Building Improvements	04/18/12	09/15/22	96,600	-	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	-	-	-	-	-	-	-	-	-	-
CTF Tennis Courts	11/22/13	11/15/23	500,000	-	-	-	-	-	-	-	-	-	-
CTF US Custom House upgrades	11/22/13	11/15/23	263,000	-	-	-	-	-	-	-	-	-	-
CTF Osterville Community Building Upgrades	11/22/13	11/15/23	200,000	-	-	-	-	-	-	-	-	-	-
CTF Police Station Upgrades	11/22/13	11/15/23	168,000	-	-	-	-	-	-	-	-	-	-
CTF Town Hall Interior Upgrades	11/22/13	11/15/23	150,000	-	-	-	-	-	-	-	-	-	-
CTF Guyer Barn Upgrades	11/22/13	11/15/23	148,000	-	-	-	-	-	-	-	-	-	-
CTF MEA Facility Upgrades	11/22/13	11/15/23	131,000	-	-	-	-	-	-	-	-	-	-
CTF Pearl St Building Upgrades	11/22/13	11/15/23	114,000	-	-	-	-	-	-	-	-	-	-
CTF S&G Facility Roof Repairs	11/22/13	11/15/23	103,000	-	-	-	-	-	-	-	-	-	-
CTF West Barnstable Community Building Upgrades	11/22/13	11/15/23	72,000	-	-	-	-	-	-	-	-	-	-
CTF Highway Operations Facility Construction	11/22/13	11/15/23	66,000	-	-	-	-	-	-	-	-	-	-
CTF Centerville Recreation Building	02/17/15	02/15/35	185,000	5,450	5,300	5,150	-	-	-	-	-	-	-
CTF Senior Center - Parking Lot Expansion	02/17/15	02/15/30	290,000	-	-	-	-	-	-	-	-	-	-
CTF Police Facilities	02/17/15	02/15/35	288,000	10,900	10,600	10,300	-	-	-	-	-	-	-
CTF Police Station Construction (I) \$400,000 Adv Refunded	02/17/15	02/15/25	181,650	-	-	-	-	-	-	-	-	-	-
CTF Senior Center - Garden Level \$457,000 Refunded	02/17/15	02/15/27	195,000	-	-	-	-	-	-	-	-	-	-
CTF Town Building Repairs & Renovations \$685,000	02/17/15	02/15/27	317,600	-	-	-	-	-	-	-	-	-	-
CTF Bismore Park Visitor Center - CAP \$150,000	06/21/16	06/30/23	48,000	-	-	-	-	-	-	-	-	-	-
CTF Bismore Park Visitor Center \$465,000 Refunded	06/21/16	06/30/23	147,500	-	-	-	-	-	-	-	-	-	-
CTF Municipal Building Improvements \$297,000 Refunded	06/21/16	06/30/28	49,300	-	-	-	-	-	-	-	-	-	-
CTF Police Station Remodeling (#2015-100)	02/25/16	06/30/36	355,000	16,800	16,350	15,900	15,450	-	-	-	-	-	-
CTF Town Hall Remodeling (#2015-101)	02/25/16	06/30/36	939,000	50,400	49,050	47,700	46,350	-	-	-	-	-	-
CTF Joshua's Pond Recreational Facility (#2015-111)	02/25/16	06/30/31	282,000	-	-	-	-	-	-	-	-	-	-
CTF Craigville Beach Bathhouse (#2016-031)	02/25/16	06/30/36	450,000	22,400	21,800	21,200	20,600	-	-	-	-	-	-
CTF Beach Facility Improvement (I) (#2016-110)	02/23/17	06/30/27	438,000	-	-	-	-	-	-	-	-	-	-
CTF Osterville Bay Elem School Improvements (I)	02/23/17	06/30/37	724,300	40,644	39,594	38,456	37,319	36,181	-	-	-	-	-
CTF Lombard Field Improvements (I) (#2016-113)	02/23/17	06/30/37	895,000	52,088	50,738	49,275	47,813	41,350	-	-	-	-	-
CTF West Barnstable Shooting Range (I) (#2017-074)	02/27/18	06/30/28	314,000	-	-	-	-	-	-	-	-	-	-
CTF Design and Hazmat Removal Project Armory Building	02/26/19	06/30/24	461,750	-	-	-	-	-	-	-	-	-	-
CTF Senior Center Renovations (#2018-076)	02/26/19	06/30/39	659,000	36,488	35,588	34,688	33,788	32,888	31,950	30,975	-	-	-
CTF Osterville Recreation Building Design & Construction	02/26/19	06/30/39	675,000	41,788	40,738	34,688	33,788	32,888	31,950	30,975	-	-	-
CTF Town Hall Restroom Renovations	02/26/19	06/30/39	560,000	30,406	29,656	28,906	28,156	27,406	26,625	25,813	-	-	-
CTF Former Marston Mills Elementary School	02/26/19	06/30/24	176,050	-	-	-	-	-	-	-	-	-	-
CTF School Administration Building (#2018-092)	02/26/19	06/30/24	285,000	-	-	-	-	-	-	-	-	-	-
CTF School Administration Building Remodeling (#2019-148)	02/25/20	06/30/40	996,000	58,763	57,263	56,263	55,263	54,263	53,200	52,138	46,013	-	-
CTF Craigville Bath House (#2019-116)	02/25/20	06/30/40	255,000	11,775	11,475	11,275	11,075	10,875	10,663	10,450	10,225	-	-
CTF Craigville Parking Lot (#2019-116)	02/25/20	06/30/35	160,000	10,700	10,400	10,200	-	-	-	-	-	-	-
CTF Marston Mills Tennis Courts (#2019-117)	02/25/20	06/30/35	620,000	42,800	41,600	40,800	-	-	-	-	-	-	-
CTF Public Bridge Improvements and Repairs (#2019-122)	02/25/20	06/30/40	500,000	29,438	28,688	28,188	27,688	27,188	26,656	26,125	25,563	-	-
CTF Police Facility Refi 6/15/10	03/15/21	06/30/30	187,450	-	-	-	-	-	-	-	-	-	-
CTF Municipal Facility Improvements Refi 6/15/10	03/15/21	06/30/29	33,750	-	-	-	-	-	-	-	-	-	-
CTF Town Hall Security Improvements (#2019-129)	03/15/21	06/30/41	480,000	29,100	28,600	28,100	27,600	27,100	21,600	21,200	20,800	20,400	-
CTF Osterville Field Construction & Site Improvement	03/15/21	06/30/36	705,600	48,600	47,700	46,800	45,900	-	-	-	-	-	-
CTF 200 Main Street Mansard Evaluation & Repair	03/15/21	06/30/41	374,000	23,000	22,600	22,200	16,800	16,500	16,200	15,900	15,600	15,300	-
CTF Salt Storage Facility Design & Construction (#2020-107)	03/15/21	06/30/41	345,000	17,700	17,400	17,100	16,800	16,500	16,200	15,900	15,600	15,300	-
CTF Police Facility Improvements (I) (#2021-098)	03/15/22	03/15/42	806,432	52,400	50,800	49,600	48,400	47,200	46,000	44,800	43,600	42,400	41,200
CTF Police Site Security Fence (I) (#2021-099)	03/15/22	03/15/42	340,032	19,650	19,050	18,600	18,150	17,700	17,250	16,800	16,350	15,900	15,450
CTF Marston Mills School Demolition (I) (#2021-113)	03/15/22	03/15/27	360,011	-	-	-	-	-	-	-	-	-	-
CTF Town Hall Mechanical Improvements (I) (#2021-114)	03/15/22	03/15/42	1,908,596	124,450	120,650	117,800	114,950	112,100	109,250	106,400	103,550	100,700	97,850

Total Public Facilities Interest & Principal				775,738	755,638	733,188	645,888	500,138	407,544	397,475	297,300	210,000	154,500
WATERWAYS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
CTF East Bay Dredging	11/22/13	11/15/23	600,000	-	-	-	-	-	-	-	-	-	-
CTF Hyannis Harbor Bulkhead Construction	11/22/13	11/15/23	142,000	-	-	-	-	-	-	-	-	-	-
CTF Millway Boat Ramp & Dock Upgrades	11/22/13	11/15/23	133,000	-	-	-	-	-	-	-	-	-	-
CTF Marstons Mills Fish Run Reconstruction	02/17/15	02/15/30	326,000	-	-	-	-	-	-	-	-	-	-
CTF Pleasant St. Dock - 1 \$350,000 Refunded	06/21/16	06/30/23	109,500	-	-	-	-	-	-	-	-	-	-
CTF Pleasant St. Dock - 2 \$350,000 Refunded	06/21/16	06/30/23	110,000	-	-	-	-	-	-	-	-	-	-
CTF Boat Ramps - CAP \$927,000 Refunded	06/21/16	06/30/23	290,000	-	-	-	-	-	-	-	-	-	-
CTF Paving: Bay Street Boat Ramp (#2015-099)	02/25/16	06/30/26	142,000	-	-	-	-	-	-	-	-	-	-
CTF Channel Dredging- Barnstable Harbor (#2016-035)	02/25/16	06/30/26	490,000	-	-	-	-	-	-	-	-	-	-
CTF Blish Point Boat Access Channel Dredging (I)	02/23/17	06/30/37	943,900	52,256	50,906	49,444	47,981	46,519	-	-	-	-	-
CTF Dredging Refi 6/15/10	03/15/21	06/30/24	78,800	-	-	-	-	-	-	-	-	-	-
CTF Prince Cove/Hayward Rd. Boat Ramp Refi 6/15/11	03/15/21	06/30/26	177,650	-	-	-	-	-	-	-	-	-	-
CTF Channel Dredging - (#2019-119)	03/15/21	06/30/41	406,000	23,600	23,200	22,800	22,400	22,000	21,600	21,200	20,800	20,400	-
CTF Patrol Vessel Replacement (I) (#2021-103)	03/15/22	03/15/32	310,000	-	-	-	-	-	-	-	-	-	-
Total Waterways Interest & Principal				75,856	74,106	72,244	70,381	68,519	21,600	21,200	20,800	20,400	
WATER QUALITY INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
CTF Advance Refund 6/15/2003 Drainage 2 (i)	04/18/12	09/15/22	96,700	-	-	-	-	-	-	-	-	-	-
CTF Water Quality Evaluation	11/22/13	11/15/23	230,000	-	-	-	-	-	-	-	-	-	-
CTF Hamblin Pond Alum Treatment (#2015-112)	02/25/16	06/30/31	300,000	-	-	-	-	-	-	-	-	-	-
CTF Lake Treatment Refi 6/15/10	03/15/21	06/30/25	54,350	-	-	-	-	-	-	-	-	-	-
CTF Stormwater Improvements - Impaired Ponds	03/15/21	06/30/41	300,000	17,700	17,400	17,100	16,800	16,500	16,200	15,900	15,600	15,300	-
CTF Stormwater Improvements - Impaired Ponds	03/15/22	03/15/32	325,000	-	-	-	-	-	-	-	-	-	-
Total Water Quality Interest & Principal				17,700	17,400	17,100	16,800	16,500	16,200	15,900	15,600	15,300	
TOTAL GENERAL FUND BOND OBLIGATIONS				2,716,219	2,569,519	2,196,656	1,878,094	1,350,631	1,191,181	880,725	729,075	481,600	319,300
AIRPORT INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
Airport Terminal Ramp Construction - Phase 2 (O)	02/23/17	06/30/37	428,000	29,363	28,613	27,800	31,988	31,013	-	-	-	-	-
Airport New Fuel Farm (I) (#2013-102)	02/23/17	06/30/36	634,500	45,425	44,225	47,925	46,463	-	-	-	-	-	-
Airport East Ramp Design & Construction (O) (#2014-053)	02/23/17	06/30/37	641,200	46,619	45,419	44,119	42,819	46,519	-	-	-	-	-
Runway Reconstruction & Generator Replacement	02/26/19	06/30/39	355,500	18,244	17,794	17,344	16,894	16,444	15,975	15,488	-	-	-
Airfield Improvements	02/26/19	06/30/31	59,700	-	-	-	-	-	-	-	-	-	-
Total Airport Fund Bonds				139,650	136,050	137,188	138,163	93,975	15,975	15,488			
GOLF COURSE INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
Hyannis Golf Course Acquisition \$3,900,000 Refunded	02/17/15	02/15/25	1,951,500	-	-	-	-	-	-	-	-	-	-
Olde Barnstable Building Improvements (#2015-105)	02/25/16	06/30/26	174,000	-	-	-	-	-	-	-	-	-	-
Hyannis Building Improvements (#2015-106)	02/25/16	06/30/26	140,000	-	-	-	-	-	-	-	-	-	-
Olde Barnstable Fairgrounds Golf Course (I) (#2016-107)	02/23/17	06/30/37	245,000	11,613	11,313	10,988	10,663	10,338	-	-	-	-	-
Hyannis Golf Course Improvements (I) (#2016-108)	02/23/17	06/30/37	292,700	16,925	16,475	10,988	10,663	10,338	-	-	-	-	-
Hyannis Golf Course Turf Maintenance (I) (#2017-085)	02/27/18	06/30/23	310,000	-	-	-	-	-	-	-	-	-	-
Olde Barnstable Turf maintenance Equipment Replacement	03/15/22	03/15/32	467,179	-	-	-	-	-	-	-	-	-	-
Total Golf Course				28,538	27,788	21,975	21,325	20,675					
WATER POLLUTION CONTROL INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	436,370	-	-	-	-	-	-	-	-	-	-
Shallow Well Injection - CW-00-60 - Pool 8 (Subsidy)	08/25/04	08/01/22	(subsidy)	-	-	-	-	-	-	-	-	-	-

Sewer 98-44A	07/14/06	08/01/23	1,582,178	-	-	-	-	-	-	-	-	-	-
Sewer 98-44A (Subsidy)	07/14/06	08/01/23	(subsidy)	-	-	-	-	-	-	-	-	-	-
Sewer 98-49A	12/14/06	08/01/23	556,458	-	-	-	-	-	-	-	-	-	-
Sewer 98-49A (Subsidy)	12/14/06	08/01/23	(subsidy)	-	-	-	-	-	-	-	-	-	-
MWPAT CW-04-35	12/15/09	07/15/27	4,938,114	-	-	-	-	-	-	-	-	-	-
Sewer 05-28 Restructured	03/15/11	07/15/28	629,403	-	-	-	-	-	-	-	-	-	-
Sewer CW-04-35A Pool 13	06/06/12	07/15/27	1,469,137	-	-	-	-	-	-	-	-	-	-
Rehab Clarifiers (#2015-091)	06/21/16	06/30/28	251,000	-	-	-	-	-	-	-	-	-	-
Pump Station/Sewer Main Const (#2009-132)	02/25/16	06/30/36	1,000,000	56,000	54,500	53,000	51,500	-	-	-	-	-	-
Wastewater Treatment Plant Clarifiers Rehab (O)	02/23/17	06/30/37	1,146,000	63,869	62,219	60,431	58,644	56,856	-	-	-	-	-
Wastewater Treatment Plant Backup Generator (O)	02/23/17	06/30/37	862,000	46,450	45,250	43,950	42,650	41,350	-	-	-	-	-
Sewer System Evaluation Surveys (#2019-131)	02/25/20	06/30/25	343,500	-	-	-	-	-	-	-	-	-	-
Rendezvous Lane Pump Station Replacement (#2019-132)	03/15/21	06/30/41	1,160,000	70,000	63,800	62,700	61,600	60,500	59,400	58,300	57,200	56,100	-
Pump Station Rehabilitation (#2020-175)	03/15/21	06/30/29	40,300	-	-	-	-	-	-	-	-	-	-
720 Main Street Sewer Pump Station Replacement	03/15/22	03/15/26	23,500	-	-	-	-	-	-	-	-	-	-
Total Water Pollution Control Enterprise Fund				236,319	225,769	220,081	214,394	158,706	59,400	58,300	57,200	56,100	-
SOLID WASTE INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
Advance Refund 6/15/2003 Transfer Station Improvements	04/18/12	09/15/22	241,500	-	-	-	-	-	-	-	-	-	-
Solid Waste Facility (I) \$630,000 Refunded	02/17/15	02/15/27	284,900	-	-	-	-	-	-	-	-	-	-
Total Solid Waste Fund				-	-	-	-						
WATER SUPPLY INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
MWPAT DWS-09-02	07/08/10	07/15/30	2,788,911	-	-	-	-	-	-	-	-	-	-
DWP-11-10 Series 17A	05/22/13	01/15/33	560,761	34,812	-	-	-	-	-	-	-	-	-
Water Co. (Level Debt) (O) \$10,000,000 Refunded	02/17/15	02/15/27	5,704,800	-	-	-	-	-	-	-	-	-	-
Water Main Loop	02/17/15	02/15/35	540,000	21,800	21,200	20,600	-	-	-	-	-	-	-
DW-09-02 Series 16	05/14/15	07/15/32	533,117	35,689	-	-	-	-	-	-	-	-	-
DWP-11-09 Series 17A	05/14/15	01/15/33	793,438	53,643	-	-	-	-	-	-	-	-	-
Pipe Replacement Upgrade FY17 (#2015-085)	02/25/16	06/30/36	900,000	50,400	49,050	47,700	46,350	-	-	-	-	-	-
Hyannis Water System Pipe Replacement (O) (#2016-093)	02/23/17	06/30/37	858,400	46,450	45,250	43,950	42,650	41,350	-	-	-	-	-
DWP-14-09 Mass Clean Water Trust (#2014-071, 2013-085, 2012-087)	04/13/17	07/15/37	1,467,339	90,505	90,647	90,791	90,939	91,091	-	-	-	-	-
Well Reactivation (O) (#2017-080)	02/27/18	06/30/38	276,000	17,013	11,563	11,263	10,963	10,650	10,325	-	-	-	-
Water Pipe Replacement (O) (#2017-081)	02/27/18	06/30/38	468,000	23,725	23,125	22,525	21,925	21,300	20,650	-	-	-	-
Mary Dunn Water Storage Tank Site Work (O) (#2017-083)	02/27/18	06/30/38	600,500	35,588	34,688	33,788	32,888	31,950	30,975	-	-	-	-
Water Carbon Filter Units (O) (#2017-079)	02/27/18	06/30/18	440,000	-	-	-	-	-	-	-	-	-	-
Pipe Replacement Upgrade FY19 (#2018-081)	02/26/19	06/30/39	1,050,000	60,813	59,313	57,813	56,313	54,813	53,250	51,625	-	-	-
Carbon Treatment System Construction at Maher Wellfield	02/26/19	06/30/28	318,500	-	-	-	-	-	-	-	-	-	-
Well Exploration Program (2013-087)	02/26/19	06/30/28	489,500	-	-	-	-	-	-	-	-	-	-
MCWT Series 19 DWP-13-01 Reamortization	04/11/19	07/15/36	1,736,865	122,486	122,682	122,882	123,087	-	-	-	-	-	-
Water Pipe Replacement (#2019-135)	02/25/20	06/30/40	950,500	52,988	51,638	50,738	49,838	48,938	47,981	47,025	46,013	-	-
MCWT Bonds; Series 21 DWP-16-17	09/25/20	06/30/39	2,428,471	161,216	161,430	161,649	161,873	162,103	162,336	162,575	-	-	-
New Well Exploration Program (#2018-083)	03/15/21	06/30/41	314,500	17,700	17,400	17,100	16,800	16,500	16,200	15,900	15,600	15,300	-
CTF 50% Water Infrastructure Construction (#2019-212)	03/15/21	06/30/41	1,000,000	59,000	58,000	57,000	56,000	55,000	54,000	53,000	52,000	51,000	-
Pipe Replacement & Upgrades (#2020-120)	03/15/21	06/30/41	750,000	41,300	40,600	39,900	39,200	38,500	37,800	37,100	36,400	35,700	-
MCWT DWP-18-10 (#2017-099, 2018-173)	05/11/21	01/15/46	9,754,852	511,137	511,805	512,490	513,191	513,908	514,641	515,394	516,164	516,952	517,759
MCWT DWP-19-28 (#2019-215)	05/11/21	01/15/41	2,642,303	132,408	132,607	132,806	133,005	133,205	133,405	133,605	133,805	134,006	-
Water Pipe Replacement and Upgrades (O) (#2021-119)	03/15/22	03/15/42	946,000	58,950	57,150	55,800	54,450	53,100	51,750	50,400	49,050	47,700	46,350
Total Water Enterprise Fund				1,627,620	1,488,146	1,478,793	1,449,470	1,272,407	1,133,313	1,066,624	849,031	800,658	564,109
MARINA INTEREST & PRINCIPAL													
	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
Advance Refund 6/14/2004 Prince Cove Marina Acquisition	04/18/12	09/15/22	864,000	-	-	-	-	-	-	-	-	-	-
Gateway Marina Dredging (#2015-108)	02/25/16	06/30/26	280,000	-	-	-	-	-	-	-	-	-	-

Prince Cover Marina Bulkhead (#2015-109)	02/25/16	06/30/36	570,000	28,000	27,250	26,500	25,750	-	-	-	-	-	-
Gateway Marina Maintenance Dredging (I) (#2016-109)	02/23/17	06/30/37	476,500	23,225	22,625	21,975	21,325	20,675	-	-	-	-	-
CTF Marina Bulkhead Repair I Refi 6/15/11	03/15/21	06/30/30	271,950	-	-	-	-	-	-	-	-	-	-
Marina Bulkhead Repair II Refi 6/15/11	03/15/21	06/30/30	243,800	-	-	-	-	-	-	-	-	-	-
Marina Bismore Park Bulkhead Imp. Design (I) (#2021-101)	03/15/22	03/15/27	184,000	-	-	-	-	-	-	-	-	-	-
Total Marina Enterprise Fund				51,225	49,875	48,475	47,075	20,675					
HYCC INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
CTF HYCC 1 (I) \$1,000,000 Refunded	02/17/15	02/15/27	474,900	-	-	-	-	-	-	-	-	-	-
CTF HYCC 2 (I) \$8,000,000 Refunded	02/17/15	02/15/27	3,794,400	-	-	-	-	-	-	-	-	-	-
CTF HYCC 3 (I) \$1,600,000 Refunded	02/17/15	02/15/27	759,000	-	-	-	-	-	-	-	-	-	-
CTF HYCC 4 (I) \$6,765,000 Refunded	06/21/16	06/30/28	3,320,000	-	-	-	-	-	-	-	-	-	-
CTF HYCC Roof, HVAC, and Parking & Security (#2019-115)	02/25/20	06/30/40	679,000	40,675	39,625	38,925	33,225	32,625	31,988	31,350	30,675	-	-
CTF HYCC Facility Improvements (#2020-103)	03/15/21	06/30/41	674,700	35,400	34,800	34,200	33,600	33,000	32,400	31,800	31,200	30,600	-
CTF HYCC Facility Improvements (i) (#2021-106)	03/15/22	03/15/42	1,484,000	97,650	94,650	92,400	90,150	87,900	85,650	78,400	76,300	74,200	72,100
Total HYCC Enterprise Fund				173,725	169,075	165,525	156,975	153,525	150,038	141,550	138,175	104,800	72,100
ROAD BETTERMEND REVOLVING FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
Gleneagle Drive Private Road Repairs (#2019-197)	02/25/20	06/30/30	675,000	-	-	-	-	-	-	-	-	-	-
Crosby Circle Private Road Repairs (#2017-148)	02/25/21	06/30/30	44,000	-	-	-	-	-	-	-	-	-	-
Pine Ridge & Waquoit Private Road (#2017-149)	02/25/21	06/30/33	113,200	5,070	-	-	-	-	-	-	-	-	-
Woodland Avenue Private Road Repair (#2017-150)	02/25/21	06/30/33	71,900	5,070	-	-	-	-	-	-	-	-	-
Bunker Hill Private Road Repair (#2017-168)	02/25/21	06/30/33	296,450	20,280	-	-	-	-	-	-	-	-	-
Beach Plum & Smoke Valley Private Road (#2017-169)	02/25/21	06/30/33	447,600	35,490	-	-	-	-	-	-	-	-	-
Ice Valley & Fox Island Private Road (#2017-170)	02/25/21	06/30/33	512,300	40,560	-	-	-	-	-	-	-	-	-
Locust Lane Private Road (#2018-140)	02/25/21	06/30/29	38,750	-	-	-	-	-	-	-	-	-	-
Multiple Temporary Private Road (#2018-151)	02/25/21	06/30/34	335,300	25,750	25,400	-	-	-	-	-	-	-	-
Laura Road Private Road #2018-167)	02/25/21	06/30/26	28,500	-	-	-	-	-	-	-	-	-	-
Wheeler Road Private Road (#2020-045)	02/25/21	06/30/36	510,650	37,010	36,520	30,960	30,480	-	-	-	-	-	-
Goodview Way Private Road (#2020-080)	02/25/21	06/30/36	218,850	15,850	15,640	15,400	10,160	-	-	-	-	-	-
Nyes Neck Private Road (#2020-189)	02/25/21	06/30/36	127,500	5,310	5,240	5,160	5,080	-	-	-	-	-	-
Total Road Betterment Revolving Fund				190,390	82,800	51,520	45,720						
SEWER CONSTRUCTION & PRIVATE WAY MAINT. IMP. FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Pymts FY 2033	Pymts FY 2034	Pymts FY 2035	Pymts FY 2036	Pymts FY 2037	Pymts FY 2038	Pymts FY 2039	Pymts FY 2040	Pymts FY 2041	Pymts FY 2042
MWPAT CWS-09-07	07/08/10	07/15/30	3,285,646	-	-	-	-	-	-	-	-	-	-
Sewer CWS-09-07-A Series 16	05/14/15	07/15/32	4,592,367	307,438	-	-	-	-	-	-	-	-	-
310 Main Street, Barnstable (Centerville) Acquisition	02/25/20	06/30/40	549,000	29,438	28,688	28,188	27,688	27,188	26,656	26,125	25,563	-	-
1456 Falmouth Road, Route 28, Barnstable (Centerville)	02/25/20	06/30/40	283,900	17,225	16,775	16,475	16,175	10,875	10,663	10,450	10,225	-	-
RT 28 East Sewer Expansion Pump Station, Roadway & Utility	03/15/21	06/30/41	800,000	47,200	46,400	45,600	44,800	44,000	43,200	42,400	41,600	40,800	-
Total Sewer Construction & Private Way Maintenance and Improvement Fund				401,300	91,863	90,263	88,663	82,063	80,519	78,975	77,388	40,800	-
TOTAL ENTERPRISE FUND AND OTHER FUND BOND OBLIGATIONS				2,848,766	2,271,365	2,213,820	2,161,783	1,802,026	1,439,244	1,360,937	1,121,794	1,002,358	636,209
GRAND TOTAL TOWN OF BARNSTABLE BOND OBLIGATIONS				5,564,985	4,840,884	4,410,476	4,039,877	3,152,657	2,630,425	2,241,662	1,850,869	1,483,958	955,509

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