

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 costs of projects submitted 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 improvements plan process represent a total of \$59 million of requests for FY 2021, and a combined total of \$387 million over a five-year period. Of the \$387 million, \$112 million represents Enterprise Funds, \$170 million are General Fund requests and \$105 million are Sewer Construction and Private Way Maintenance and Improvement Fund requests.

Projects are distributed by fund as follows:

Fund	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Totals
Airport	6,700,000	9,455,000	14,055,000	5,700,000	4,500,000	\$ 40,410,000
Marina	-	300,000	5,388,000	-	-	\$ 5,688,000
Sandy Neck	200,000	800,000	-	2,650,000	-	\$ 3,650,000
HYCC	1,036,480	365,834	-	-	-	\$ 1,402,314
Golf	502,000	-	-	-	-	\$ 502,000
Water Pollution	9,140,000	2,625,000	1,650,000	1,550,000	1,610,000	\$ 16,575,000
Water Supply	2,009,000	4,250,000	31,250,000	4,250,000	1,250,000	\$ 43,009,000
Solid Waste	100,000	-	250,000	300,000	300,000	\$ 950,000
Special Revenue	6,028,800	12,850,000	32,550,000	16,600,000	36,950,000	\$ 104,978,800
General Fund	33,379,912	40,482,287	42,938,096	42,063,709	11,192,048	\$ 170,056,052
Totals	\$ 59,096,192	\$ 71,128,121	\$ 128,081,096	\$ 73,113,709	\$ 55,802,048	\$ 387,221,166

CAPITAL IMPROVEMENTS PLAN

FY 2021 CAPITAL IMPROVEMENTS PLAN BUDGET

Several factors were taken into consideration when determining which projects to recommend for funding in Fiscal Year 2021. 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.



High School Sports Field – Resurfacing Repairs

The recommended projects total \$12.2 million. The General Fund totals \$8 million, and the Enterprise Funds total \$4.1 million.

Funding for the Enterprise Fund programs consists of using \$617,500 million of Enterprise Fund reserves, \$2.1 million in new borrowing authorizations and \$1.3 million is anticipated in federal and state grants for the Airport projects. The grant funds received will reduce the amount of any bonds authorized to finance the Airport Enterprise Fund’s capital program or reduce the amount or reserves needed to finance the project. The bonds issued for the Enterprise Fund projects are expected to be paid back with Enterprise Fund revenues.

Funding for the General Fund portion of the program consists of \$3.5 million in Capital Trust Fund (CTF) reserves, \$3.7 million in new borrowing authorizations, \$233,554 from General Fund reserves and \$542,561 in transfers from closed appropriations.

AIRPORT ENTERPRISE FUND	
Council Order Number and Project Name	Total Cost
2020-093 - Phase II Tree Clearing	\$300,000
Budget Impact: Routine maintenance will continue unabated to maintain the clear zones by existing staff.	
2020-095 - PFOS Soils, Reporting, Testing, Mitigation, Monitoring – Phase II	\$250,000
Budget Impact: To be determined	
2020-097 - Environmental Review for Airport Master Plan	\$1,150,000
Budget Impact: Planning process will include in-house staff review and processing.	
HYANNIS YOUTH & COMMUNITY CENTER ENTERPRISE FUND	
Council Order Number and Project Name	Total Cost
2020-103 - HYCC Facility Improvements	\$756,000
Budget Impact: Some efficiency savings once HVAC controls are installed.	

CAPITAL IMPROVEMENTS PLAN

WATER SUPPLY ENTERPRISE FUND	
Council Order Number and Project Name	Total Cost
2020-120 - Water Pipe Replacement Program Budget Impact: The upgrades will be to the existing distribution piping which are already maintained by the DPW. Replacing these pipes will likely result in less maintenance cost and should not result in the need for additional personnel (The project manager, which is funded by this project, is an existing capittally funded position).	\$750,000
2020-121- Wells, Pump Station & Treatment Plant upgrades Budget Impact: The upgrades will be to the existing well buildings, treatment, and other facilities, which are currently maintained by the DPW. Some operating budget savings may be realized by replacing existing equipment with more energy efficient equipment, and a reduction in maintenance cost.	\$150,000
2020-122 - Airport & Mary Dunn Well Treatment, Pilot Study & Conceptual Layout Budget Impact: None- The project is a planning project.	\$300,000
2020-123 - Hyannis Port, Simmons Pond & Straightway Well Treatment, Pilot Study & Conceptual Layout Budget Impact: The project is a planning project. It has nothing to do with the operating budget.	\$350,000
SOLID WASTE ENTERPRISE FUND	
Council Order Number and Project Name	Total Cost
2020-125 - Weigh Scale Replacement Budget Impact: Normal levels of operation would continue with no impact on staffing or operating budget	\$100,000
GENERAL FUND	
INFRASTRUCTURE:	
Council Order Number and Project Name	Total Cost
2020-089 - Unified Communications – VOIP Project Budget Impact: \$25,000 for annual support. This can be offset by a reduction in the current cost on the town’s landlines currently in use.	\$342,000
2020-100 - Police Radio Equipment & Infrastructure Upgrades Budget Impact: Any of the ongoing costs associated with running data on fiber optic lines would be offset by eliminating telephone lines. There is a potential for small savings once all of the old phone lines are removed for service.	\$121,115
2020-101 - Police Data Storage Appliance Budget Impact: N/A	\$125,000
2020-109 - Public Roads Improvement Program Budget Impact: The purpose of this project is primarily to maintain the existing roadway network and reduce the impacts of deferred maintenance on operating and capital budgets.	\$3,550,000
2020-110 - Stormwater Improvements at Impaired Ponds Budget Impact: None	\$300,000

CAPITAL IMPROVEMENTS PLAN

MUNICIPAL FACILITIES:	
Council Order Number and Project Name	Total Cost
2020-106 - 200 Main St. Facility Improvements	\$374,000
Budget Impact: This work is exterior in nature and will not affect insulation valves or mechanical systems.	
2020-107 - Salt Shed Repairs	\$345,000
Budget Impact: Routine Maintenance	
WATERWAYS:	
Council Order Number and Project Name	Total Cost
2020-108 - Channel Dredging Program	\$2,055,000
Budget Impact: Not applicable – this is ongoing maintenance dredging of existing facilities. Performing the maintenance dredging in a systematic, planned manner is expected to reduce expenses by avoiding expediting costs and reducing mobilization costs where possible.	
SCHOOL FACILITIES:	
Council Order Number and Project Name	Total Cost
2020-083 - BPS District-Wide Communication, Video Surveillance & Entry Improvement	\$500,000
Budget Impact: N/A	
2020-084 - BUE School Chiller Replacement	\$400,000
Budget Impact: N/A	

FIVE YEAR FUNDING PLAN

A total of 159 projects amounting to \$387 million were submitted for requests over the next 5 years. This includes General Fund, Sewer Construction and Private Way Improvement Fund, 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 surplus, each individual Enterprise Fund and the Sewer Construction and 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 2021 of \$11.7 million. This transfer will be part of the annual operating budget and includes an estimated \$1 million from the town's excess overlay reserve.

A newer funding tool in the form of the Sewer Construction and Private Way Maintenance and Improvement Fund was created. The state legislature approved a home rule petition that allows the town to credit 100% of the local meals tax and 1/3 of the local room's tax 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.

More recently, the Town Council approved the creation of a Stabilization Fund for the comprehensive management of water and wastewater and 100% of the local taxes generated from short-term rentals is credited to this fund. FY 2020 is the first year of this new revenue source.



Keyes Memorial Beach - Beach Parking Lot

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. The town also seeks out grant funding for the Enterprise Fund and General Fund capital programs.

The schedules on the following pages illustrate what a 5 year Capital Improvements Plan might look like. Many of the projects that went through the evaluation process in the development of this year's Capital Improvements Plan can be funded over the next 5 years. The projects listed under FY 2021 are recommended for funding in this year's plan while the outer years of 2022 to 2025 are shown for illustrative purposes. 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 5 years, the Town can anticipate funding \$297 million in capital projects. Enterprise Funds total \$112 million, the Sewer Construction and Private Way Maintenance and Improvement Fund totals \$105 million, and the General Fund totals \$80 million. This includes 121 projects; 51 for the Enterprise funds, 15 for the Comprehensive Water Management, and 55 General Fund.

FIVE YEAR FUNDING PLAN

Five Year Capital Improvements Plan for Enterprise Fund

LISTING OF CAPITAL IMPROVEMENT PROJECTS: ENTERPRISE FUNDS			FIVE YEAR COSTS					PROJECT
DEPT	PRIORITY	PROJECT TITLE	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTALS
BMA	1	Design & Construct Tree Clearing Phase I	300,000	-	-	-	-	300,000
BMA	2	Upgrade Airport Security Cameras	200,000	-	-	-	-	200,000
BMA	3	Reporting, Testing, Mitigation, and Monitoring (PFOS Soils)	250,000	100,000	100,000	-	-	450,000
BMA	4	Extend Mary Dunn Way, including drainage repairs and utilities (Phase II)	3,400,000	-	-	-	-	3,400,000
BMA	5	Environmental Review for Airport Master Plan Projects	1,150,000	-	-	-	-	1,150,000
BMA	6	Design and Construct New T-Hangar/FBO Offices	700,000	-	-	-	-	700,000
BMA	7	Design and Construct New Airport Owned Avgas Fuel Tank/Self-Service Tank	700,000	-	-	-	-	700,000
BMA	8	Replace Runway 24 Engineer Material Arresting System (EMAS)	-	7,000,000	-	-	-	7,000,000
BMA	9	Environmental Permitting Phase II for Airport Master Plan Update Projects	-	225,000	-	-	-	225,000
BMA	10	Replace Aircraft Rescue and Fire Fighting (ARFF) Equipment	-	975,000	-	-	-	975,000
BMA	11	Easements for Future Construction/Runway 15 Tree Clearing Phase II	-	600,000	-	-	-	600,000
BMA	12	Replace Snow Removal Equipment (SRE) (Chevy 2500HD)	-	55,000	-	-	-	55,000
BMA	13	Replace SRE Equipment (ASV Skid Steer Plow)	-	100,000	-	-	-	100,000
BMA	14	Terminal Upgrades - Baggage Belt Extension	-	400,000	-	-	-	400,000
BMA	15	Reconstruct RWY 6-24 (Approx. 4,700ft x 150ft.)	-	-	13,045,000	-	-	13,045,000
BMA	16	Runway 15-33 - Apply P-608 Surface Treatment and Repaint	-	-	475,000	-	-	475,000
BMA	17	Snow Removal Equipment (SRE) (Chevy 2500HD – Heavy Duty Vehicle with Plow)	-	-	55,000	-	-	55,000
BMA	18	Design and Replace Mo-Gas and Diesel Fuel Con-Vault, Gas Boy & Alarm	-	-	300,000	-	-	300,000
BMA	19	Replace Snow Removal Equipment (SRE) (Ford F350 – Heavy Duty Vehicle)	-	-	80,000	-	-	80,000
BMA	20	Design, Realign and Reconstruct a Portion of Taxiway Delta and Taxiway Echo	-	-	-	4,500,000	-	4,500,000
BMA	21	Demolish Circa 1957 T-Hangar and Replace with New Hangar	-	-	-	900,000	-	900,000
BMA	22	Replace Snow Removal Equipment (SRE) (Heavy Duty Carrier Vehicle)	-	-	-	300,000	-	300,000
BMA	23	Design, Realign and Reconstruct a Portion of Taxiway Bravo	-	-	-	-	4,500,000	4,500,000
TOTAL AIRPORT			\$ 6,700,000	\$ 9,455,000	\$ 14,055,000	\$ 5,700,000	\$ 4,500,000	\$ 40,410,000
MAR	1	Bismore Park Bulkhead Improvements	-	300,000	5,388,000	-	-	5,688,000
TOTAL MARINE & ENVIRONMENTAL AFFAIRS MARINAS			\$ -	\$ 300,000	\$ 5,388,000	\$ -	\$ -	\$ 5,688,000
SDY	1	Sandy Neck ORV Trail and Gatehouse Relocation Construction	-	800,000	-	-	-	800,000
SDY	2	Sandy Neck Parking Lot Relocation	200,000	-	-	2,650,000	-	2,850,000
TOTAL MARINE & ENVIRONMENTAL AFFAIRS SANDY NECK			\$ 200,000	\$ 800,000	\$ -	\$ 2,650,000	\$ -	\$ 3,650,000

FIVE YEAR FUNDING PLAN

Five Year Capital Improvements Plan for Enterprise Fund (Continued)

LISTING OF CAPITAL IMPROVEMENT PROJECTS: ENTERPRISE FUNDS			FIVE YEAR COSTS					PROJECT
DEPT	PRIORITY	PROJECT TITLE	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTALS
HYCC	1	Hyannis Youth & Community Center Storage Building	-	280,480	-	-	-	280,480
HYCC	2	Hyannis Youth and Community Center Facility Improvements	756,000	-	-	365,834	-	1,121,834
TOTAL COMMUNITY SERVICES HYCC			\$ 756,000	\$ 280,480	\$ -	\$ 365,834	\$ -	\$ 1,402,314
GOLF	1	Golf Course Turf Maintenance Equipment Replacement	502,000	-	-	-	-	502,000
TOTAL COMMUNITY SERVICES GOLF			\$ 502,000	\$ -	\$ -	\$ -	\$ -	\$ 502,000
WPC	1	Solids Handling Upgrades Construction	8,000,000	-	-	-	-	8,000,000
WPC	2	Pump Station Rehabilitation	1,000,000	2,000,000	500,000	500,000	1,200,000	5,200,000
WPC	3	HVAC Improvements	85,000	-	-	-	-	85,000
WPC	4	Replacement of Truck 258 with a new ¾ ton pickup truck	55,000	-	-	-	-	55,000
WPC	5	WPCF Facility Study (DEP Required)	-	150,000	-	-	-	150,000
WPC	6	Sewer System Rehabilitation Program	-	400,000	250,000	250,000	250,000	1,150,000
WPC	7	Replacement of Crane Truck 247	-	75,000	-	-	-	75,000
WPC	8	Vacuum Truck Replacement	-	-	600,000	-	-	600,000
WPC	9	Headworks Evaluation and Preliminary Design	-	-	250,000	-	-	250,000
WPC	10	Effluent Sand Bed Valve Rehabilitation	-	-	50,000	250,000	-	300,000
WPC	11	Main Switchboard (MSB) Generator Design and Construction	-	-	-	550,000	-	550,000
WPC	12	91 South Street Pump Station Demolition	-	-	-	-	160,000	160,000
TOTAL PUBLIC WORKS WATER POLLUTION CONTROL			\$ 9,140,000	\$ 2,625,000	\$ 1,650,000	\$ 1,550,000	\$ 1,610,000	\$ 16,575,000
WS	1	Pipe Replacement and Upgrade Program	750,000	1,050,000	1,050,000	1,050,000	1,050,000	4,950,000
WS	2	Wells, Pump Stations, Treatment Plant Repair & Upgrade Program	150,000	200,000	200,000	200,000	200,000	950,000
WS	3	Airport & Mary Dunn Wells, Treatment, Pilot Study & Conceptual Layout.	300,000	-	8,000,000	-	-	8,300,000
WS	4	Wells, Treatment, Pilot Study & Conceptual Layout.	350,000	-	14,000,000	-	-	14,350,000
WS	5	Maher Filtration Plant, Solar Panels, Design & Construction	459,000	-	-	-	-	459,000
WS	6	New Well Exploration Program	-	3,000,000	8,000,000	3,000,000	-	14,000,000
TOTAL PUBLIC WORKS WATER SUPPLY			\$ 2,009,000	\$ 4,250,000	\$ 31,250,000	\$ 4,250,000	\$ 1,250,000	\$ 43,009,000
SW	1	Weigh Scale Replacement	100,000	-	-	-	-	100,000
SW	2	Roll Off Truck Replacement	-	-	250,000	-	-	250,000
SW	3	Municipal Packer Replacement	-	-	-	300,000	-	300,000
SW	4	Rubber Tire Loader Replacement	-	-	-	-	300,000	300,000
TOTAL PUBLIC WORKS SOLID WASTE			\$ 100,000	\$ -	\$ 250,000	\$ 300,000	\$ 300,000	\$ 950,000
TOTAL ENTERPRISE FUNDS PROJECT COSTS			\$ 19,407,000	\$ 17,710,480	\$ 52,593,000	\$ 14,815,834	\$ 7,660,000	\$ 112,186,314

FIVE YEAR FUNDING PLAN

Five Year Capital Improvements Plan for Sewer Constructions & Private Way Maintenance and Improvements Fund

LISTING OF CAPITAL IMPROVEMENT PROJECTS: SEWER CONSTRUCTION AND PRIVATE WAY IMP. FUND			FIVE YEAR COSTS					PROJECT
DEPT	PRIORITY	PROJECT TITLE	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTALS
CWM	1	Effluent Disposal Alternatives	1,000,000	-	TBD	-	-	1,000,000
CWM	2	Aeration System and Denitrification Technology Evaluation	200,000	-	5,000,000	-	-	5,200,000
CWM	3	Route 28 Centerville Sewer Expansion Project Design and Permitting	1,300,000	-	-	14,000,000	-	15,300,000
CWM	4	Old Yarmouth Road Sewer Expansion	600,000	-	6,000,000	-	-	6,600,000
CWM	5	Route 28 Marstons Mills Sewer Expansion Project	1,800,000	-	-	-	-	1,800,000
CWM	6	Private Road Repair – Old Mill Road, School Street and Asa Meigs Road	-	1,128,800	-	-	-	1,128,800
CWM	7	Route 28 East Sewer Expansion	-	12,000,000	-	-	-	12,000,000
CWM	8	Marstons Mills River Treatment System	-	TBD	TBD	TBD	TBD	-
CWM	9	Long Beach Sewer Expansion	-	300,000	750,000	-	7,500,000	8,550,000
CWM	10	Great Marsh Road Sewer Expansion	-	550,000	-	1,250,000	-	1,800,000
CWM	11	Phinney’s Lane Sewer Expansion	-	-	20,000,000	-	-	20,000,000
CWM	12	Huckins Neck Sewer Expansion	-	-	300,000	750,000	-	1,050,000
CWM	13	Old Craigville Road Sewer Expansion	-	-	500,000	-	1,000,000	1,500,000
CWM	14	Shootflying Hill Road Sewer Expansion	-	-	-	600,000	-	600,000
CWM	15	Osterville Woods Sewer Expansion	-	-	-	-	450,000	450,000
CWM	16	Long Pond Area Sewer Expansion	-	-	-	-	28,000,000	28,000,000
SEWER CONSTRUCTION AND PRIVATE WAY MAINTENANCE AND IMPROVEMENT FUND			\$4,900,000	\$13,978,800	\$32,550,000	\$16,600,000	\$36,950,000	\$104,978,800

FIVE YEAR FUNDING PLAN

Five Year Capital Improvements Plan for General Fund

LISTING OF CAPITAL IMPROVEMENT PROJECTS: GENERAL FUND			FIVE YEAR COSTS					PROJECT
DEPT	PRIORITY	PROJECT TITLE	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTALS
BPD	1	Police Radio Improvements	121,115	-	-	-	-	121,115
BPD	2	Storage Appliance	125,000	-	-	-	-	125,000
BPD	3	Barnstable Police Department Improvements	991,000	-	-	-	1,359,719	2,350,719
TOTAL POLICE DEPARTMENT			\$ 1,237,115	\$ -	\$ -	\$ -	\$ 1,359,719	\$ 2,596,834
			-	-	-	-	-	
ADM	1	Unified Communications – VOIP (Voice over Internet Protocol)	342,000	-	-	-	-	342,000
TOTAL ADMINISTRATION DEPARTMENT			\$ 342,000	\$ -	\$ -	\$ -	\$ -	\$ 342,000
			-	-	-	-	-	
MEA	1	Channel Dredging Program	2,055,000	2,880,000	2,948,000	2,768,000	1,353,000	12,004,000
MEA	2	Patrol Vessel Replacement	300,000	-	-	-	-	300,000
MEA	3	Blish Point Construction for Long-Term Solution	-	300,000	-	-	2,000,000	2,300,000
MEA	4	Marine & Environmental Affair Interior Project Phase III	120,000	-	-	-	250,032	370,032
MEA	5	Evaluation of Little River Fish Passage Restoration	-	75,000	-	TBD	-	75,000
MEA	8	Scudder’s Lane Boat Ramp Design & Construction	-	-	-	-	150,000	150,000
TOTAL MARINE & ENVIRONMENTAL AFFAIRS DEPARTMENT			\$ 2,475,000	\$ 3,255,000	\$ 2,948,000	\$ 2,768,000	\$ 3,753,032	\$ 15,199,032
			-	-	-	-	-	
CSD	1	Town Recreation Field Improvements Project – Bay Lane Ballfields	-	154,307	127,500	-	-	281,807
CSD	2	Beach Parking Lot Rehabilitation - Keyes Memorial Beach	150,000	-	-	-	-	150,000
CSD	3	Centerville Recreation Interior Improvements	-	-	292,432	150,000	75,000	517,432
CSD	4	Salt Water Beach House Improvements	-	-	-	144,783	1,176,354	1,321,137
CSD	5	Adult Community Center Master Plan Development	-	110,000	-	TBD	-	110,000
TOTAL COMMUNITY SERVICES DEPARTMENT			\$ 150,000	\$ 264,307	\$ 419,932	\$ 294,783	\$ 1,251,354	\$ 2,380,376
			-	-	-	-	-	
DPW	1	Public Roads Maintenance Program	3,550,000	3,650,000	3,750,000	3,850,000	3,950,000	18,750,000
DPW	2	School Administration Building Mechanical Cooling Upgrades	-	1,216,000	838,643	-	-	2,054,643
DPW	3	DPW Offices Phase III Construction	-	-	2,537,043	-	-	2,537,043
DPW	4	Town Hall Mechanical Improvements	-	-	-	5,637,790	-	5,637,790
DPW	5	Town Hall Security Implementation	-	337,000	TBD	-	-	337,000
DPW	7	Salt Shed Repairs	345,000	-	-	-	-	345,000
DPW	8	Kalmus Beach Parking Lot Entrance Design & Construction	50,000	350,000	-	-	-	400,000
DPW	9	200 Main Street Mansard Roof Replacement	374,000	-	-	-	-	374,000
DPW	11	Snows Creek Culvert	75,000	-	-	1,400,000	-	1,475,000
DPW	12	Oyster Harbors Bridge Study	-	200,000	-	-	-	200,000
DPW	13	Old Town Hall - JFK Museum Improvements	-	249,415	1,382,978	-	-	1,632,393
DPW	14	Culvert Improvements	-	-	-	450,000	-	450,000
DPW	15	Emergency Generator Implementation Plan	615,000	-	-	465,250	299,594	1,379,844

FIVE YEAR FUNDING PLAN

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 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTALS
DPW	16	Mosswood Cemetery Building Improvements	-	-	-	64,288	252,824	317,112
DPW	17	Parking Lots Maintenance	-	-	-	-	500,000	500,000
DPW	18	Cape Cod Airfield Hangar Repair	-	-	-	-	332,362	332,362
DPW	19	Cape Cod Rail Trail Extension	-	-	-	275,000	750,000	1,025,000
DPW	20	Zion Union Heritage Museum Improvements	-	-	457,390	-	-	457,390
DPW	21	Sidewalks on Ocean Street from Snows Creek to Gosnold Street	40,000	242,000	-	-	-	282,000
DPW	22	U.S. Custom House Interior Work	-	-	-	-	393,178	393,178
DPW	23	Sidewalk Installation: East Bay Road	-	-	-	-	100,000	100,000
DPW	24	Guyer Barn FY21 Facility Management Plan Implementation	-	-	-	-	140,978	140,978
DPW	25	50 Pearl Street FY21 Facility Management Plan Implementation	-	-	-	-	204,447	204,447
DPW	26	46 Pearl Street FY21 Facility Management Plan Implementation	-	-	-	-	175,271	175,271
DPW	27	Cotuit Memorial Park Restoration	-	-	-	-	187,797	187,797
DPW	28	Burgess Barn Interior	-	-	-	-	56,020	56,020
DPW	29	West Barnstable Railroad Depot Restoration	-	-	-	-	118,227	118,227
DPW	30	Stormwater Improvements at Impaired Ponds	300,000	300,000	300,000	300,000	300,000	1,500,000
DPW	31	Sidewalks on Ocean Street from Gosnold Street to Kalmus Beach	665,000	-	-	-	-	665,000
DPW	32	Town Hall Complex Improvements - Parking Lot	-	-	-	-	130,000	130,000
DPW	34	Sidewalks on Pitchers Way (Bearse's Way to Route 28) Design & Construction	-	-	-	-	650,000	650,000
TOTAL PUBLIC WORKS DEPARTMENT			\$ 6,014,000	\$ 6,544,415	\$ 9,266,054	\$ 12,442,328	\$ 8,540,698	\$ 42,807,495
			-	-	-	-	-	-
SCH	1	Barnstable High School Sports Fields Upgrades, Phases 2 and 3.	3,039,000	-	2,950,000	-	-	5,989,000
SCH	2	District Wide Communication, Video Security and Entry Improvements	500,000	-	-	-	-	500,000
SCH	3	Barnstable High School (BHS) Synthetic Turf Replacement & Track Repair	-	1,200,000	-	-	-	1,200,000
SCH	4	Barnstable United Elementary Chiller Replacement	400,000	-	-	-	-	400,000
SCH	5	Barnstable High School Gym & Field House Improvements	250,000	250,000	250,000	-	-	750,000
SCH	6	Barnstable School Facilities Roof Top Unit Ventilator Replacement	-	3,500,000	-	2,000,000	-	5,500,000
SCH	7	Campus Wide Mechanical Upgrades (Burners, Boilers, HVAC & Pump Systems)	250,000	250,000	250,000	250,000	250,000	1,250,000
SCH	8	Barnstable High School Positive Attendance System	250,000	-	-	-	-	250,000
SCH	9	Flooring Replacement and Upgrades	100,000	100,000	100,000	100,000	100,000	500,000
TOTAL SCHOOL DEPARTMENT			\$ 4,789,000	\$ 5,300,000	\$ 3,550,000	\$ 2,350,000	\$ 350,000	\$ 16,339,000
			-	-	-	-	-	-
TOTAL GENERAL FUND PROJECT COSTS			\$ 15,007,115	\$ 15,363,722	\$ 16,183,986	\$ 17,855,111	\$ 15,254,803	\$ 79,664,737
TOTAL CAPITAL IMPROVEMENTS PROGRAM PROJECT COSTS			\$ 39,314,115	\$ 47,053,002	\$ 101,326,986	\$ 49,270,945	\$ 59,864,803	\$ 296,829,851

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 fund that may be used for planning, designing and construction of sewers and other means of comprehensive wastewater management and maintenance and improvement of private ways.

Dedicated revenue sources for this fund include 100% of the local meals excise tax and one-third of the local rooms excise tax on traditional lodging. In addition, any betterment assessed 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.

Major Assumptions Used In Table A:

- Rooms and meals tax revenue will grow 1% per year;
- Investment earnings will grow 1.1 % of beginning fund balance per year;
- Existing sewer betterments collected on Stewart's Creek project are credited to the fund;
- 50% betterments assessments will be implemented on recommended sewer projects;
- Loan amortization on bond issues will be 5-30 years;
- The net interest cost on the bonds are estimated to be 1.5% assuming Massachusetts Clean Water Trust (MCWT) subsidies;
- 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 a FY 2021 bond issue will be in FY 2022;
- 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.

FY 2022: Total Bond Issue \$ 12,850,000

- \$ 850,000 annually over 5-years
- \$ 12,000,000 annually over 30-years

FY 2023: Total Bond Issue \$ 32,550,000

- \$ 1,550,000 annually over 5-years
- \$ 31,000,000 annually over 30-years

FY 2024: Total Bond Issue \$ 16,600,000

- \$ 2,600,000 annually over 5-years
- \$ 14,000,000 annually over 30-years

FY 2025: Total Bond Issue \$ 36,950,000

- \$ 1,450,000 annually over 5-years
- \$ 35,500,000 annually over 30-years

SEWER CONSTRUCTION & PRIVATE WAY IMPROVEMENTS FUND ANALYSIS

TABLE A – Estimated Sewer Construction And Private Way Maintenance Fund Cash Flow 5 Year Plan

ESTIMATED SEWER CONSTRUCTION AND PRIVATE WAY MAINTENANCE AND IMPROVEMENT FUND CASH FLOW ANALYSIS											
		FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
1	Beginning Trust Fund Balance	\$ 16,459,186	\$ 18,122,382	\$ 18,472,827	\$ 19,559,863	\$ 19,136,911	\$ 17,398,357	\$ 14,732,373	\$ 12,321,419	\$ 10,118,591	\$ 8,246,156
	Resources:										
2	Investment Earnings	181,051	199,346	203,201	215,158	210,506	191,382	162,056	135,536	111,304	90,708
3	Meals Tax	1,653,304	1,669,837	1,686,535	1,703,400	1,720,434	1,737,639	1,755,015	1,772,565	1,790,291	1,808,194
4	Rooms Tax	1,037,974	1,048,354	1,058,837	1,069,426	1,080,120	1,090,921	1,101,830	1,112,849	1,123,977	1,135,217
5	Total Assessments	92,509	88,335	535,917	1,103,636	1,085,685	2,102,557	2,069,846	2,037,134	2,025,256	1,991,712
6	Total Current Year Resources	2,964,838	3,005,871	3,484,491	4,091,621	4,096,745	5,122,499	5,088,748	5,058,084	5,050,829	5,025,830
7	Total Available Resources	19,424,024	21,128,254	21,957,317	23,651,484	23,233,657	22,520,857	19,821,120	17,379,503	15,169,420	13,271,986
	Commitments:										
8	Existing Debt Service Payments	(501,926)	(502,283)	(502,647)	(503,019)	(503,400)	(503,788)	(504,185)	(504,591)	(505,006)	(505,430)
9	Authorized Unissued Debt Prior Years CIP (\$12m)	(599,715)	(593,511)	(587,307)	(581,103)	(574,899)	(568,695)	(562,491)	(556,288)	(550,084)	(543,880)
10a	Estimated Debt Service on FY21 CIP (\$5m)		(430,833)	(424,750)	(418,667)	(412,583)	(406,500)	(208,125)	(204,733)	(201,342)	(204,733)
10b	Estimated Debt Service on FY22 CIP (\$12.9m)			(882,750)	(870,200)	(857,650)	(845,100)	(832,550)	(675,000)	(664,000)	(653,000)
10c	Estimated Debt Service on FY23 CIP (\$32.5m)				(2,141,583)	(2,111,100)	(2,080,617)	(2,050,133)	(2,019,650)	(1,743,750)	(1,715,333)
10d	Estimated Debt Service on FY24 CIP (\$16.6m)					(1,375,667)	(1,356,200)	(1,336,733)	(1,317,267)	(1,297,800)	(787,500)
10e	Estimated Debt Service on FY25 CIP (\$37m)						(2,027,583)	(2,005,483)	(1,983,383)	(1,961,283)	(1,939,183)
11	Cash Program	(200,000)	(1,128,800)	-	-	-	-	-	-	-	-
12	Total Current Year Commitments	(1,301,642)	(2,655,427)	(2,397,454)	(4,514,572)	(5,835,299)	(7,788,484)	(7,499,702)	(7,260,912)	(6,923,264)	(6,349,059)
13	Increase (Decrease) in Trust Fund	1,663,196	350,444	1,087,037	(422,952)	(1,738,554)	(2,665,985)	(2,410,954)	(2,202,828)	(1,872,435)	(1,323,229)
14	Ending Fund Balance	\$ 18,122,382	\$ 18,472,827	\$ 19,559,863	\$ 19,136,911	\$ 17,398,357	\$ 14,732,373	\$ 12,321,419	\$ 10,118,591	\$ 8,246,156	\$ 6,922,927
15	Commitments as a % of Available Resources	7%	13%	11%	19%	25%	35%	38%	42%	46%	48%
16	Amount of available fund resources CY (max = 80%)	14,237,578	14,247,176	15,168,400	14,406,615	12,751,626	10,228,202	8,357,194	6,642,690	5,212,272	4,268,530

This table illustrates the Sewer Construction And Private Way Maintenance and Improvement Fund cash flow incorporating all existing loan payments on previously authorized projects. The analysis also includes estimates on previously authorized projects with unissued loans as well as future anticipated projects. Cash funded projects in FY 2021 total \$200,000 and bond funded projects total \$5 million. Bond issues over the next 10-year analysis include all submissions provided in the five-year plan. Line 8 in the table above illustrates all existing loan payments. Lines 10a and 10e illustrate the estimated debt service payments on new projects included in the five-year plan.

CAPITAL TRUST FUND ANALYSIS

The Capital Trust Fund (CTF) is used as a mechanism to finance the Town's General Fund Capital Improvements 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 100% of their capital cost, which is recovered through their respective user fees. 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 the bond issue for the Barnstable Harbor Marina bulkhead replacement.

The FY 2021 General Fund Capital Improvements Program 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 the opportunity to have some capital program on an annual basis, and provides flexibility within the budget. 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 or allocate \$1 million per year towards new debt service. \$1 million in new annual debt service could pay for a \$9 million project amortized over a period of 10-years.

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 to \$11.7 million in FY 2021. This amount is projected to increase by 2.5 percent per year 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 10-years incorporating all existing loan payments and the FY 2021 proposed Capital Improvements Program (CIP). Table B illustrates the CIP Five-Year Plan within the CTF over the next 10-years, and Table C provides the detailed amortization of all existing loans to be paid out of the CTF.

CAPITAL TRUST FUND ANALYSIS

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; plus additional \$200,000 for new growth;
- Additional General Fund contributions of \$1,000,000 staggered over three year intervals;
- Loan amortization on the FY 2021 bond issues will include:
 - \$ 1,145,000 over 5-years;
 - \$ 1,457,000 over 10-years;
 - \$ 6,021,462 over 15-years; and
 - \$ 1,765,000 over 20-years.
- The net interest cost on the bonds are estimated to average 4%;
- The FY 2021 bonds will be issued at a time so that the first loan payments will not be made until FY 2022;
- 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 FY 2022 through FY 2025 capital programs with the following amortization amounts:

FY 2022: Total Bond Issue \$ 11,074,415

- \$ 1,978,415 annually over 5-years
- \$ 1,200,000 annually over 10-years
- \$ 3,180,000 annually over 15-years
- \$ 4,716,000 annually over 20-years

FY 2023: Total Bond Issue \$ 11,914,054

- \$ 500,000 annually over 5-years
- \$ 457,390 annually over 10-years
- \$ 6,198,000 annually over 15-years
- \$ 4,758,664 annually over 20-years

FY 2024: Total Bond Issue \$ 13,911,874

- \$ 250,000 annually over 5-years
- \$ 740,250 annually over 10-years
- \$ 3,883,834 annually over 15-years
- \$ 9,037,790 annually over 20-years

FY 2025: Total Bond Issue \$ 10,879,803

- \$ 380,000 annually over 5-years
- \$ 1,911,638 annually over 10-years
- \$ 4,303,000 annually over 15-years
- \$ 4,285,165 annually over 20-years

CAPITAL TRUST FUND ANALYSIS

TABLE A – Capital Trust Fund Estimated Cash Flow FY 2021 – FY 2030

ESTIMATED CAPITAL TRUST FUND CASH FLOW										
	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
1 Beginning Trust Fund Balance	\$ 16,758,687	\$ 16,364,427	\$ 15,153,064	\$ 14,817,806	\$ 16,531,534	\$ 18,644,110	\$ 21,676,385	\$ 27,031,624	\$ 32,799,765	\$ 39,698,684
Resources:										
2 Investment Earnings	184,346	180,009	166,684	162,996	181,847	205,085	238,440	297,348	360,797	436,686
3 Transfer From General Fund	10,692,825	11,160,146	11,639,150	12,130,129	12,633,382	13,149,217	13,677,947	14,219,896	14,775,393	15,344,778
4 Additional Contribution From General Fund	1,000,000	-	-	1,000,000	-	-	1,000,000	-	-	1,000,000
5 Other Resources	-	-	-	-	-	-	-	-	-	-
6 Total Current Year Resources	11,877,171	11,340,155	11,805,834	13,293,125	12,815,229	13,354,302	14,916,387	14,517,244	15,136,190	16,781,464
7 Total Available Resources	28,635,857	27,704,581	26,958,898	28,110,931	29,346,763	31,998,412	36,592,773	41,548,868	47,935,955	56,480,147
Commitments:										
8 Existing Debt Service Payments	(6,828,113)	(6,227,486)	(5,787,927)	(5,197,099)	(4,291,221)	(4,104,261)	(3,586,338)	(2,779,088)	(2,272,050)	(2,181,169)
9 Authorized Unissued Debt Prior Years CIP (\$13m)	(1,430,403)	(1,394,112)	(1,357,821)	(1,321,529)	(1,285,238)	(1,076,147)	(1,046,767)	(1,017,388)	(988,009)	(958,629)
10a Estimated Debt Service on FY21 CIP (\$10m)		(1,279,919)	(1,245,344)	(1,210,769)	(1,176,194)	(1,141,618)	(878,043)	(852,628)	(827,213)	(801,797)
11 Public Roads Program	(3,550,000)	(3,650,000)	(3,750,000)	(3,850,000)	(3,950,000)	(4,000,000)	(4,050,000)	(4,100,000)	(4,150,000)	(4,200,000)
12 Other Cash Program	(462,914)	-	-	-	-	-	-	-	-	-
13 Total Current Year Commitments	(12,271,430)	(12,551,517)	(12,141,092)	(11,579,397)	(10,702,653)	(10,322,026)	(9,561,148)	(8,749,104)	(8,237,271)	(8,141,596)
14 Increase (Decrease) in Trust Fund	(394,260)	(1,211,363)	(335,258)	1,713,728	2,112,576	3,032,276	5,355,239	5,768,140	6,898,919	8,639,868
15 Ending Trust Fund Balance	\$ 16,364,427	\$ 15,153,064	\$ 14,817,806	\$ 16,531,534	\$ 18,644,110	\$ 21,676,385	\$ 27,031,624	\$ 32,799,765	\$ 39,698,684	\$ 48,338,552
16 Commitments as a % of Available Resources (max = 80%)	43%	45%	45%	41%	36%	32%	26%	21%	17%	14%
17 Amount of available trust fund resources CY (max = 80%)	\$ 10,637,255	\$ 9,612,148	\$ 9,426,026	\$ 10,909,348	\$ 12,774,757	\$ 15,276,703	\$ 19,713,070	\$ 24,489,991	\$ 30,111,493	37,042,522

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 2021. Cash funded projects in FY 2021 total \$4 million and bond funded projects total \$10 million. The bonds will be issued in FY 2021 and the first estimated loan payment of \$1.3 million is anticipated to be made in FY 2022 as illustrated above on line 10a. Line 8 in the table above includes all existing loan payments. Lines 11 and 12 include estimates on future cash appropriations for capital to be financed from the trust fund’s reserves. One-time additional resources to be added to the fund are included on line 4 and 5. 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.

CAPITAL TRUST FUND ANALYSIS

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

ESTIMATED CAPITAL TRUST FUND CASH FLOW ANALYSIS											
	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	
1	Beginning Trust Fund Balance	\$ 16,758,687	\$ 16,364,427	\$ 14,513,757	\$ 12,245,075	\$ 10,830,077	\$ 8,492,685	\$ 6,013,209	\$ 4,911,592	\$ 4,505,959	\$ 4,180,291
	Resources:										
2	Investment Earnings	184,346	180,009	159,651	134,696	119,131	93,420	66,145	54,028	49,566	45,983
3	Transfer From General Fund	10,692,825	11,160,146	11,639,150	12,130,129	12,633,382	13,149,217	13,677,947	14,219,896	14,775,393	15,344,778
4	Additional Contribution From General Fund	1,000,000	-	-	1,000,000	-	-	1,000,000	-	-	1,000,000
5	Other Resources	-	-	-	-	-	-	-	-	-	-
6	Total Current Year Resources	11,877,171	11,340,155	11,798,801	13,264,825	12,752,513	13,242,637	14,744,092	14,273,924	14,824,959	16,390,761
7	Total Available Resources	28,635,857	27,704,581	26,312,559	25,509,900	23,582,590	21,735,321	20,757,302	19,185,515	19,330,917	20,571,052
	Commitments:										
8	Existing Debt Service Payments	(6,828,113)	(6,227,486)	(5,787,927)	(5,197,099)	(4,291,221)	(4,104,261)	(3,586,338)	(2,779,088)	(2,272,050)	(2,181,169)
9	Authorized Unissued Debt Prior Years CIP (\$13.0m)	(1,430,403)	(1,394,112)	(1,357,821)	(1,321,529)	(1,285,238)	(1,076,147)	(1,046,767)	(1,017,388)	(988,009)	(958,629)
10a	Estimated Debt Service on FY21 CIP (\$10m)		(1,279,919)	(1,245,344)	(1,210,769)	(1,176,194)	(1,141,618)	(878,043)	(852,628)	(827,213)	(801,797)
10b	Estimated Debt Service on FY22 CIP (\$11m)			(1,406,460)	(1,367,920)	(1,329,381)	(1,290,842)	(1,252,302)	(818,080)	(795,368)	(772,656)
10c	Estimated Debt Service on FY23 CIP (\$12m)				(1,273,434)	(1,241,559)	(1,209,685)	(1,177,810)	(1,145,935)	(1,014,060)	(986,185)
10d	Estimated Debt Service on FY24 CIP (\$14m)					(1,391,312)	(1,357,918)	(1,324,525)	(1,291,131)	(1,257,738)	(1,174,344)
10e	Estimated Debt Service on FY25 CIP (\$11m)						(1,203,481)	(1,172,749)	(1,142,018)	(1,111,286)	(1,080,555)
10f	Estimated Debt Service on FY26 CIP (\$8m)							(972,176)	(946,536)	(920,897)	(895,257)
10g	Estimated Debt Service on FY27 CIP (\$4.4m)								(524,447)	(510,440)	(496,433)
10h	Estimated Debt Service on FY28 CIP (\$9.9m)									(1,203,566)	(1,171,260)
10i	Estimated Debt Service on FY29 CIP (\$11m)										(1,073,491)
11	Public Roads Program	(3,550,000)	(3,650,000)	(3,750,000)	(3,850,000)	(3,950,000)	(4,000,000)	(4,050,000)	(4,100,000)	(4,150,000)	(4,200,000)
12	Other Cash Program	(462,914)	(639,307)	(519,932)	(459,071)	(425,000)	(338,160)	(385,000)	(62,306)	(100,000)	(200,000)
13	Total Current Year Commitments	(12,271,430)	(13,190,824)	(14,067,484)	(14,679,823)	(15,089,905)	(15,722,112)	(15,845,710)	(14,679,557)	(15,150,626)	(15,991,777)
14	Increase (Decrease) in Trust Fund	(394,260)	(1,850,670)	(2,268,682)	(1,414,998)	(2,337,392)	(2,479,475)	(1,101,618)	(405,633)	(325,668)	398,984
15	Ending Trust Fund Balance	\$ 16,364,427	\$ 14,513,757	\$ 12,245,075	\$ 10,830,077	\$ 8,492,685	\$ 6,013,209	\$ 4,911,592	\$ 4,505,959	\$ 4,180,291	\$ 4,579,275
16	Commitments as a % of Available Resources (max = 80%)	43%	48%	53%	58%	64%	72%	76%	77%	78%	78%
17	Amount of available trust fund resources CY (max = 80%)	10,637,255	8,972,841	6,982,563	5,728,097	3,776,167	1,666,145	760,131	668,856	314,107	465,064

Including the proposed FY 2021 capital program, it is estimated the Capital Trust Fund can absorb approximately \$146 million in projects over the next 10-years and stay within the maximum allowable commitment of 80% as shown on line 16. Cash financed capital is estimated at \$43 million and bond financed capital is estimated at \$103 million through FY 2030. The estimated annual loan payments on the bonds are illustrated on lines 9 through 10i.

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.

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 enviable.

The Town operates several Enterprise Funds that includes an airport, two golf courses, a wastewater treatment facility, a 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, 2019, the Town of Barnstable had \$103 million of outstanding long-term debt. New debt issued in 2019 was \$14.5 million. The Town of Barnstable's total long-term debt decreased by \$1.7 million as \$16.2 million was retired. These debt figures include all debt incurred on behalf of the governmental funds and enterprise funds.

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.

DEBT POSITION ANALYSIS

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

Project	Maturities Through	Original Loan Amount	Interest Rate (%)	Outstanding at June 30, 2019
MCWT Title V Bond of 1997.....	2021	\$ 200,000	0.00	\$ 20,600
MCWT Title V Bond of 2002.....	2023	200,000	0.00	40,352
MCWT Title V Bonds of 2006.....	2026	400,000	0.00	140,000
MCWT Title V Bond of 2007.....	2027	200,000	0.00	80,000
Municipal Purpose Bonds of 2007.....	2027	36,808,388	4.00 - 5.00	800,000
MCWT Bond of 2008 (CW-04-31).....	2021	389,216	2.00	66,658
MCWT Bond of 2009.....	2021	887,454	2.00	100,525
Municipal Purpose Bonds of 2010.....	2030	3,873,270	2.00 - 5.00	1,775,000
Municipal Purpose Bonds of 2011.....	2031	13,584,000	2.00 - 4.00	3,685,000
Municipal Purpose Refunding of 2012.....	2023	10,037,900	2.00 - 4.00	3,304,500
Municipal Purpose Bonds of 2014.....	2024	6,248,000	2.00 - 3.00	2,575,000
Municipal Purpose Refunding of 2015.....	2027	5,265,500	2.00 - 4.50	3,487,000
Municipal Purpose Bonds of 2015.....	2035	3,930,000	2.00 - 4.50	2,560,000
Municipal Purpose Bonds of 2016.....	2036	12,113,000	2.00 - 4.00	9,850,000
Municipal Purpose Refunding of 2016.....	2028	1,674,000	2.00 - 4.00	1,369,000
Municipal Purpose Bonds of 2017.....	2037	5,105,700	3.00 - 4.00	4,220,000
MCWT Bond of 2017.....	2020	255,941	2.00	87,155
Municipal Purpose Bonds of 2018.....	2038	7,780,500	3.00 - 5.00	7,305,000
Municipal Purpose Bonds of 2019.....	2039	8,266,800	3.00 - 5.00	8,266,800
Total Bonds Payable.....				49,732,590
Add: Unamortized premium on bonds.....				2,306,967
Total Bonds Payable, net.....				\$ 52,039,557



Hyannis Youth & Community Center – Roof Repairs

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

Year	Principal	Interest	Total
2020.....	\$ 7,281,063	\$ 1,903,991	\$ 9,185,054
2021.....	5,998,619	1,623,238	7,621,857
2022.....	5,508,204	1,373,176	6,881,380
2023.....	4,757,704	1,136,614	5,894,318
2024.....	3,658,000	955,836	4,613,836
2025.....	2,915,000	812,321	3,727,321
2026.....	2,618,000	687,183	3,305,183
2027.....	2,196,000	576,894	2,772,894
2028.....	1,980,000	492,898	2,472,898
2029.....	1,865,000	414,446	2,279,446
2030.....	1,840,000	347,370	2,187,370
2031.....	1,665,000	277,826	1,942,826
2032.....	1,515,000	227,418	1,742,418
2033.....	1,460,000	181,966	1,641,966
2034.....	1,385,000	138,172	1,523,172
2035.....	1,075,000	96,304	1,171,304
2036.....	960,000	63,742	1,023,742
2037.....	525,000	34,282	559,282
2038.....	405,000	17,230	422,230
2039.....	125,000	4,064	129,064
Total.....	\$ 49,732,590	\$ 11,364,971	\$ 61,097,561

The Commonwealth of Massachusetts has approved school construction assistance to the Town. The assistance program, which is administered by the Massachusetts School Building Authority, provides resources for construction costs and debt service interest of general obligation bonds outstanding. The Town is currently receiving annual payments for 64% of eligible costs in relation to the construction of the new Barnstable Intermediate School and the renovation and addition to the High School. During 2019, approximately \$3,019,000 of such assistance was received. Approximately \$860,000 will be received in future years. Of this amount, \$19,000 represents reimbursement of future long-term interest costs and \$841,000 represents reimbursement of approved construction cost and interest costs previously paid.

DEBT POSITION ANALYSIS

Bonds Payable Schedule – Enterprise Funds

Project	Maturities Through	Original Loan Amount	Interest Rate (%)	Outstanding at June 30, 2019
Airport.....	2039	\$ 2,848,900	2.00 - 5.00	\$ 2,495,200
Golf Course.....	2037	3,313,200	2.00 - 5.00	2,509,000
Add: unamortized premium.....				124,713
Total Golf Course Bonds Payable, net.....				2,633,713
Solid Waste Transfer Station.....	2027	7,515,600	0.00 - 4.50	318,500
Wastewater.....	2037	26,731,820	0.00 - 4.75	13,888,670
Water Supply.....	2039	24,674,768	2.00 - 5.00	19,925,376
Add: unamortized premium.....				498,039
Total Water Supply Bonds Payable, net.....				20,423,415
Marina Recreation.....	2037	3,598,500	2.00 - 4.00	2,269,000
Add: unamortized premium.....				55,775
Total Marina Recreation Bonds Payable, net.....				2,324,775
Sandy Neck Recreation.....	2031	1,265,000	2.00 - 4.125	840,000
Hyannis Youth and Community Center.....	2028	8,348,300	2.00 - 4.75	6,980,000
Add: unamortized premium.....				636,196
Total Hyannis Youth and Community Center Bonds Payable, net.....				7,616,196
Total Bonds Payable, net.....				\$ 50,540,469

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

Year	Principal	Interest	Total
2020.....	\$ 4,741,569	\$ 1,581,910	\$ 6,323,479
2021.....	4,585,057	1,438,987	6,024,044
2022.....	4,333,412	1,238,433	5,571,845
2023.....	4,396,837	1,076,849	5,473,686
2024.....	4,269,850	919,661	5,189,511
2025.....	4,171,959	770,239	4,942,198
2026.....	3,943,678	627,252	4,570,930
2027.....	3,911,017	505,079	4,416,096
2028.....	2,747,988	387,582	3,135,570
2029.....	1,886,383	305,036	2,191,419
2030.....	1,862,772	253,910	2,116,682
2031.....	1,805,865	204,482	2,010,347
2032.....	1,317,224	163,491	1,480,715
2033.....	1,333,792	131,487	1,465,279
2034.....	909,999	102,631	1,012,630
2035.....	917,821	78,181	996,002
2036.....	910,815	53,575	964,390
2037.....	635,688	29,174	664,862
2038.....	300,107	11,506	311,613
2039.....	243,913	3,901	247,814
Total.....	\$ 49,225,746	\$ 9,883,364	\$ 59,109,110

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, 2019, the Town has not incurred \$557,657 of the eligible construction costs related to the projects and as a result has not yet received the corresponding loan proceeds from MCWT.

The Town is scheduled to be subsidized by the MCWT on a periodic basis for principal in the amount of \$288,495 and interest costs for \$76,981. 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, 2019, the Town had the following authorized and unissued debt:

DEBT POSITION ANALYSIS

Purpose	Amount
Sewer projects.....	\$ 350,000
Water projects.....	7,166,346
Airport projects.....	3,498,050
School improvements.....	886,000
Maher Wellfield water filtration plant construction.....	4,425,000
Cotuit Bay entrance channel dredging project.....	1,000,000
Private road repairs.....	2,052,950
Clear vegetation and obstruction project.....	300,000
Total.....	\$ 19,678,346

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 2020, the Town Treasurer conducted an \$12.1 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 2020 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:

- Very strong economy, with access to a broad and diverse metropolitan statistical area (MSA);
- Very strong financial management, with strong financial policies and practices under our Financial Management Assessment (FMA) methodology;
- Strong budgetary performance, with a slight operating surplus in the general fund and an operating surplus at the total governmental-fund level in fiscal 2019;
- Very strong budgetary flexibility, with available fund balance in fiscal 2019 at 24% of operating expenditures;
- Very strong liquidity, with total government available cash at 19.7% of total governmental-fund expenditures and 3.2x governmental debt service, and access to external liquidity they consider strong;
- Strong debt-and-contingent-liability position, with debt service carrying charges at 6.2% of expenditures and net direct debt that is 48.3% of total governmental-fund revenue, as well as low overall net debt at less than 3% of market value and rapid amortization, with 75% of debt scheduled to be retired within 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.



200 Main Street –Roof Repairs

General Obligation Debt – Credit Ratings (Continued)

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.



Waste Water Facility – Aeration Tanks

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 Printed November 8, 2013

“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 24% 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 posit that the town will likely manage these costs appropriately and that additional debt will likely remain relatively affordable due to its size and wealthy tax base. Furthermore, due to its location, the town has also undertaken various coastal-resiliency initiatives; it is currently planning for additional rising-sea-level-mitigation projects.”

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 \$746 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.

DEBT POSITION ANALYSIS

Town's Equalized Valuation (EQV)	\$14,932,044,600
Debt Limit – 5% of EQV	\$746,602,230
Less:	
Outstanding Debt Applicable to Limit	\$70,132,246
Authorized and Unissued Debt	\$19,687,346
Legal Debt Margin	\$656,782,638
Total debt applicable to the limit as a percentage of debt limit	12.03%

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, 2019

	Debt Outstanding	Percentage Applicable (1), (2)	Share of Overlapping Debt
Town of Barnstable, Massachusetts			
Debt repaid with property taxes and user charges:			
Barnstable County	\$ 25,970,349	16.79%	\$ 4,360,422
Cape Cod Regional Technical High School	100,933,300	31.49%	31,783,896
Barnstable Fire District	2,238,000	100.00%	2,238,000
Centerville-Osterville-Marston Mills Fire District	2,292,532	100.00%	2,292,532
Cotuit Fire District	4,249,368	100.00%	4,249,368
Hyannis Fire District	23,630,494	100.00%	23,630,494
West Barnstable Fire District	300,000	100.00%	300,000
Subtotal, overlapping debt			68,854,712
Town direct debt			54,092,507
Total direct and overlapping debt			\$ 122,947,219

DEBT POSITION ANALYSIS

- (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

<u>Current Status</u>	<u>Criteria</u>
0.69% Formula – Overall General Fund Debt Service ÷ Equalized Valuation. Standard & Poor's rates this as Low (Less than 3%)	Direct Debt - General Fund Debt Service as a % of the Town's FY19 Equalized Property Valuation as calculated by the state.
5.98% Definition - Town's General Fund Debt Service ÷ Total General Fund Expenditures. Standard & Poor's rates this as Low (Below 8%)	Municipal Debt Burden – Current Year
<\$0 Definition – Governmental Fund Debt (Short + Long Term Debt- Cash & Cash Equivalents) ÷ Town population. Standard & Poor's rates this as Moderate (\$2,000-\$5,500)	Net Debt Per Capita
\$ 340,294 Definition – Equalized Valuation ÷ Population Standard & Poor's rates this as very Extremely Strong (Above \$100,000)	Per Capita Market Value

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

The ability to refinance outstanding debt was eliminated by the Federal government with the tax law changes passed last year. 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.

DEBT POSITION ANALYSIS

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 0.69%.

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 5.98%.

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 3.22%.

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 \$22 million in the next five years as "pay-as-you-go" financing and anticipates financing about \$66 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 bod proceeds are redirected to new eligible projects.



Sandy Neck – Beach Parking Lot

DEBT POSITION ANALYSIS

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 2021 is approximately \$11 million. This is expected to be repeated 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 debt service restriction on the fund, such that debt service estimates from authorized loan 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 February 25, 2020

DEBT POSITION ANALYSIS

LAND ACQUISITION INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
CTF Land Acquisition (I) - Hyannis Golf Course \$748,000 Refunded	02/17/15	02/15/26	325,200	46,080	44,560	43,040	35,520	34,240	32,960	-	-	-	-	-
CTF Land Acquisition - CAP \$365,200 Refunded	06/21/16	06/30/23	115,000	26,680	23,720	21,840	-	-	-	-	-	-	-	-
Total Land Acquisition Interest & Principal				72,760	68,280	64,880	35,520	34,240	32,960	-	-	-	-	-
SCHOOLS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
CTF School Building Improvements	06/16/10	06/15/30	936,000	61,144	59,794	58,331	56,869	55,294	53,719	52,088	50,288	48,600	46,800	-
CTF School Facilities Upgrades/Repairs V (I)	06/14/11	06/15/31	884,000	63,319	61,519	59,719	57,919	56,400	54,825	53,138	46,450	44,850	43,250	41,650
CTF School Parking Lot (I)	06/14/11	06/15/21	250,000	26,000	-	-	-	-	-	-	-	-	-	-
CTF School Facilities Upgrades/Repairs IV	06/14/11	06/15/21	332,000	31,200	-	-	-	-	-	-	-	-	-	-
CTF School Remolding - Asbestos 00-110 Refunded	06/14/11	06/15/22	50,000	5,400	5,200	-	-	-	-	-	-	-	-	-
CTF School Facilities Upgrades/Repairs II	06/14/11	06/15/26	179,000	12,263	11,863	11,463	11,063	10,725	10,375	-	-	-	-	-
CTF School Facilities Upgrades/Repairs III	06/14/11	06/15/26	190,000	12,263	11,863	11,463	11,063	10,725	10,375	-	-	-	-	-
CTF School Improvement (I)	06/14/11	06/15/26	487,000	36,788	35,588	34,388	33,188	32,175	31,125	-	-	-	-	-
CTF Advance Refund 6/15/2003 School Remodel II	04/18/12	09/15/22	193,400	21,580	17,940	15,300	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	22,806	21,192	20,196	-	-	-	-	-	-	-	-
CTF School Roof Repairs	11/22/13	11/15/23	600,000	65,700	63,900	62,250	60,750	-	-	-	-	-	-	-
CTF HS Library AC Units	11/22/13	11/15/23	450,000	49,275	47,925	46,688	45,563	-	-	-	-	-	-	-
CTF School Fire & Communications System	11/22/13	11/15/23	200,000	21,900	21,300	20,750	20,250	-	-	-	-	-	-	-
CTF School Computer Network Infrastructure	11/22/13	11/15/23	189,000	21,500	15,975	15,563	15,188	-	-	-	-	-	-	-
CTF Early Learning Center Modular Facility	02/17/15	02/15/35	2,000,000	149,125	145,125	141,125	137,125	133,125	129,125	126,125	123,125	120,625	118,000	115,000
CTF School Upgrades 1 (I) \$360,000 Refunded	02/17/15	02/15/22	104,700	20,520	19,760	-	-	-	-	-	-	-	-	-
CTF School Facilities Repair & Improvement (I) \$660,000 Refunded	02/17/15	02/15/22	199,700	41,000	38,480	-	-	-	-	-	-	-	-	-
CTF School Health & Safety Improvements \$478,000 Refunded	02/17/15	02/15/26	193,400	28,660	27,700	21,740	19,980	19,260	18,540	-	-	-	-	-
CTF MME Roof Replacement (I) \$750,000 Refunded	02/17/15	02/15/26	46,280	46,280	44,760	43,240	40,720	34,240	32,960	-	-	-	-	-
CTF School Upgrades 2 (I) \$150,000 Refunded	02/17/15	02/15/27	47,400	6,220	6,020	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	54,050	52,330	50,610	48,890	46,170	44,490	42,230	-	-	-	-
CTF School Facility Improvements 1 (I) \$916,600 Refunded	06/21/16	06/30/28	295,700	34,080	36,000	34,800	33,600	32,400	31,800	31,200	30,600	-	-	-
CTF Elementary School Modular Classroom (#2015-115)	02/25/16	06/30/36	3,720,000	280,506	273,106	265,706	258,306	250,906	243,506	236,106	232,406	227,781	223,850	218,300
CTF BIS Façade & Roof Improvements (#2015-116)	02/25/16	06/30/36	3,353,000	256,381	249,581	242,781	235,981	229,181	222,381	210,581	207,281	203,156	199,650	194,700
CTF BHMCPs Façade & Roof Improvements (#2015-117)	02/25/16	06/30/36	260,000	31,000	30,000	29,000	28,000	27,000	26,000	-	-	-	-	-
CTF High School & Middle School Boiler Upgrades (#2015-119)	02/25/16	06/30/26	350,000	43,400	42,000	40,600	39,200	37,800	36,400	-	-	-	-	-
CTF W Village Elementary A/C Replacement (#2015-120)	02/25/16	06/30/26	250,000	31,000	30,000	29,000	28,000	27,000	26,000	-	-	-	-	-
CTF School Parking Lot Light Pole Replacement (I) (#2016-082)	02/23/17	06/30/27	435,000	57,000	55,200	53,400	51,600	44,800	43,200	41,600	-	-	-	-
CTF School Unit Ventilator Upgrade (I) (#2016-083)	02/23/17	06/30/27	230,000	31,200	30,200	29,200	28,200	22,400	21,600	20,800	-	-	-	-
CTF Horace Mann Roof (I) (#2016-081)	02/27/18	06/30/38	2,350,000	203,119	197,119	191,119	187,519	181,519	175,519	169,519	163,519	152,519	147,919	143,319
CTF Barnstable Public Schools Unit Ventilator (I) (#2017-062)	02/27/18	06/30/38	225,000	33,250	32,000	30,750	25,000	24,000	23,000	22,000	21,000	-	-	-
CTF Barnstable High School Learning Center (I) (#2017-063)	02/27/18	06/30/38	2,968,500	254,856	247,356	239,856	235,356	227,856	220,356	212,856	205,356	197,856	191,856	185,856
CTF Barnstable Public Schools Asbestos Abatement (I) (#2017-066)	02/27/18	06/30/28	270,000	40,000	38,500	32,000	31,250	30,000	28,750	27,500	26,250	-	-	-
CTF Barnstable High School Stadium Bleachers (I) (#2017-067)	02/27/18	06/30/33	966,000	100,450	97,200	93,950	92,000	88,750	85,500	82,250	79,000	75,750	73,150	70,550
CTF Barnstable High School Cafeteria Window (I) (#2017-068)	02/27/18	06/30/38	400,000	34,125	33,125	32,125	31,525	30,525	29,525	28,525	27,525	26,525	25,725	24,925
CTF Hyannis West Elementary School Roof Truss System (2019-058)	02/26/19	06/30/39	850,000	78,300	76,050	73,800	71,550	69,300	67,050	64,800	62,550	60,300	53,050	51,050
CTF Barnstable High School Sports Field Upgrade (#2018-064)	02/26/19	06/30/34	4,600,000	500,100	484,600	469,100	453,600	433,100	417,850	402,600	387,350	372,100	356,850	341,600
CTF Barnstable High School Engineering Phase 2 Sports Field (#2019-093)	02/25/20	06/30/25	144,000	36,000	35,750	34,250	32,750	26,250	-	-	-	-	-	-
CTF Barnstable Public Schools Mechanical Upgrades (#2019-096)	02/25/20	06/30/40	250,000	24,455	23,975	23,225	22,475	21,725	20,975	20,225	19,475	18,725	17,975	12,375
CTF Barnstable Public Schools Environmental Lab (#2019-097)	02/25/20	06/30/40	222,000	25,142	22,525	21,775	21,025	15,275	14,775	14,275	13,775	13,275	12,775	12,375
CTF BPS & BIS Roof Top Ventilators (#2019-098)	02/25/20	06/30/40	1,500,000	128,047	125,813	122,063	118,313	114,563	110,813	107,063	103,313	99,563	95,813	92,813
CTF Centerville Elementary Ventilator (#2019-099)	02/25/20	06/30/40	500,000	42,682	41,938	40,688	39,438	38,188	36,938	35,688	34,438	33,188	31,938	30,938
CTF Hyannis West Elementary School Roof (#2019-101)	02/25/20	06/30/40	450,000	41,528	40,750	39,500	38,250	37,000	35,750	34,500	33,250	32,000	30,750	24,750
CTF Centerville Elementary School Roof (#2019-102)	02/25/20	06/30/40	250,000	24,455	23,975	23,225	22,475	21,725	20,975	20,225	19,475	18,725	17,975	12,375
CTF Barnstable High School Sports Field Upgrades (#2019-211)	02/25/20	06/30/35	1,100,000	119,576	117,100	113,350	109,600	105,850	102,100	98,350	94,600	90,850	87,100	79,100
Total Schools Interest & Principal				3,247,643	3,092,095	2,923,906	2,794,198	2,540,146	2,430,536	2,158,363	1,981,025	1,836,388	1,774,425	1,651,675
PUBLIC WAYS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
CTF Bridge Repair	06/14/11	06/15/21	250,000	26,000	-	-	-	-	-	-	-	-	-	-
CTF Sidewalk Improvements	06/14/11	06/15/21	350,000	36,400	-	-	-	-	-	-	-	-	-	-
CTF Baxter's Neck Road - Private Way	06/14/11	06/15/26	350,000	29,725	23,725	22,925	22,125	21,450	20,750	-	-	-	-	-
CTF Advance Refund 6/15/2003 Main St. Hyannis Infr. Improv.	04/18/12	09/15/20	39,100	4,162	-	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 Drainage 1 (I)	04/18/12	09/15/22	193,200	21,628	18,968	15,504	-	-	-	-	-	-	-	-
CTF Private Road Repairs (I) \$633,000	11/22/13	11/15/23	633,000	65,700	63,900	62,250	60,750	-	-	-	-	-	-	-
CTF Sidewalk Overlays	11/22/13	11/15/23	190,000	21,650	21,050	15,563	15,188	-	-	-	-	-	-	-
CTF Bumps River Bridge Repair	11/22/13	11/15/23	120,000	10,950	10,650	10,375	10,125	-	-	-	-	-	-	-
CTF Guardrail Improvements (#2015-098)	02/25/16	06/30/36	170,000	18,600	18,000	17,400	16,800	16,200	15,600	-	-	-	-	-

DEBT POSITION ANALYSIS

PUBLIC WAYS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
CTF Sidewalk Improvements (#2015-098)	02/25/16	06/30/36	230,000	30,200	29,200	23,200	22,400	21,600	20,800	-	-	-	-	-
CTF Road Repairs (#2015-102)	02/25/16	06/30/31	518,000	47,519	46,119	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	27,325	26,525	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	112,000	108,000	104,000	-	-	-	-	-	-	-	-
CTF Private Roads Repairs (I) \$167,300	02/23/17	06/30/31	167,300	19,600	19,000	13,400	13,000	12,600	12,200	11,800	11,400	11,000	10,600	10,300
CTF Guardrail & Sidewalk Improvement Program (I) (#2016-103)	02/23/17	06/30/32	680,750	65,250	63,450	61,650	59,850	58,050	56,250	54,450	52,650	50,850	49,050	47,700
CTF Guardrail & Sidewalk (I) (#2017-073)	02/27/18	06/30/33	287,000	30,550	29,550	28,550	27,950	26,950	25,950	24,950	23,950	22,950	22,150	16,350
CTF Gleneagle Drive Private Road Repairs (#2019-197)	02/25/20	06/30/30	675,000	102,181	99,600	96,100	92,600	89,100	80,600	77,350	74,100	70,850	67,600	-
Total Public Ways Interest & Principal				669,439	577,737	541,360	409,031	311,994	295,994	230,194	222,644	214,819	202,400	125,850

PUBLIC FACILITIES INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
CTF Municipal Facility Improvements	06/16/10	06/15/29	402,500	6,594	6,444	6,281	6,119	5,944	5,769	5,588	5,388	5,200	-	-
CTF Police Facility	06/16/10	06/15/30	508,000	33,969	33,219	32,406	31,594	30,719	29,844	28,938	27,938	27,000	26,000	-
CTF Building - Town Hall Space - 00-110 Refunded	06/14/11	06/15/21	180,000	19,760	-	-	-	-	-	-	-	-	-	-
CTF Municipal Facility Improvement	06/14/11	06/15/21	300,000	31,200	-	-	-	-	-	-	-	-	-	-
CTF Building - Town Hall Repairs - 01-087 Refunded	06/14/11	06/15/22	100,000	10,760	9,360	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 Building Improvements	04/18/12	09/15/22	96,600	10,814	10,464	6,732	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	65,700	63,600	61,200	-	-	-	-	-	-	-	-
CTF Tennis Courts	11/22/13	11/15/23	500,000	54,750	53,250	51,875	50,625	-	-	-	-	-	-	-
CTF US Custom House upgrades	11/22/13	11/15/23	263,000	27,375	26,625	25,938	25,313	-	-	-	-	-	-	-
CTF Osterville Community Building Upgrades	11/22/13	11/15/23	200,000	21,900	21,300	20,750	-	-	-	-	-	-	-	-
CTF Police Station Upgrades	11/22/13	11/15/23	168,000	16,425	15,975	15,563	15,188	-	-	-	-	-	-	-
CTF Town Hall Interior Upgrades	11/22/13	11/15/23	150,000	16,425	15,975	15,563	15,188	-	-	-	-	-	-	-
CTF Guyer Barn Upgrades	11/22/13	11/15/23	148,000	16,300	15,850	15,438	10,125	-	-	-	-	-	-	-
CTF MEA Facility Upgrades	11/22/13	11/15/23	131,000	10,950	10,650	10,375	10,125	-	-	-	-	-	-	-
CTF Pearl St Building Upgrades	11/22/13	11/15/23	114,000	10,950	10,650	10,375	10,125	-	-	-	-	-	-	-
CTF S&G Facility Roof Repairs	11/22/13	11/15/23	103,000	10,950	10,650	10,375	10,125	-	-	-	-	-	-	-
CTF West Barnstable Community Building Upgrades	11/22/13	11/15/23	72,000	5,475	5,325	5,188	5,063	-	-	-	-	-	-	-
CTF Highway Operations Facility Construction	11/22/13	11/15/23	66,000	5,475	5,325	5,188	5,063	-	-	-	-	-	-	-
CTF Centerville Recreation Building	02/17/15	02/15/35	185,000	14,463	14,063	13,663	13,263	12,863	12,463	12,163	11,863	11,613	11,350	11,050
CTF Senior Center - Parking Lot Expansion	02/17/15	02/15/30	290,000	26,525	25,725	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	21,919	21,319	20,719	20,119	19,519	18,919	18,469	18,019	17,644	17,250	16,800
CTF Police Station Construction (I) \$400,000 Adv Refunded 6-15-05	02/17/15	02/15/25	181,650	21,600	20,880	20,160	19,440	18,720	-	-	-	-	-	-
CTF Beach Facilities Improvements (I) \$270,000 Refunded	02/15/15	02/15/22	71,300	15,120	14,560	-	-	-	-	-	-	-	-	-
CTF Senior Center - Garden Level \$457,000 Refunded	02/17/15	02/15/27	195,000	23,940	23,180	22,420	21,660	20,900	20,140	19,570	-	-	-	-
CTF Town Building Repairs & Renovations \$685,000 Refunded	02/17/15	02/15/27	317,600	41,050	39,730	38,410	37,090	30,770	29,650	27,810	-	-	-	-
CTF Police Station Remodeling (#2015-100)	02/25/16	06/30/36	355,000	29,044	28,244	27,444	26,644	25,844	25,044	24,244	18,844	18,469	18,150	17,700
CTF Town Hall Remodeling (#2015-101)	02/25/16	06/30/36	939,000	73,831	71,831	69,831	62,831	61,031	59,231	57,431	56,531	55,406	54,540	53,100
CTF Joshua's Pond Recreational Facility (#2015-111)	02/25/16	06/30/31	282,000	26,794	25,994	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	36,525	35,525	34,525	33,525	32,525	31,525	25,525	25,125	24,625	24,200	23,600
CTF Bismore Park Visitor Center - CAP \$150,000	06/21/16	06/30/23	48,000	11,120	8,720	10,400	-	-	-	-	-	-	-	-
CTF Bismore Park Visitor Center \$465,000 Refunded	06/21/16	06/30/23	147,500	33,520	32,320	29,120	-	-	-	-	-	-	-	-
CTF Municipal Building Improvements \$297,000 Refunded	06/21/16	06/30/28	49,300	6,200	6,000	5,800	5,600	5,400	5,300	5,200	5,100	-	-	-
CTF IT Hardware and Software Upgrade (I) (#2016-086)	02/23/17	06/30/22	342,000	70,200	67,600	-	-	-	-	-	-	-	-	-
CTF Marstons Mills Parking Lot (I) (#2016-087)	02/23/17	06/30/22	246,450	53,800	46,800	-	-	-	-	-	-	-	-	-
CTF Beach Facility Improvement (I) (#2016-110)	02/23/17	06/30/27	438,000	57,000	55,200	53,400	51,600	44,800	43,200	41,600	-	-	-	-
CTF Osterville Bay Elem School Improvements (I) (#2016-112)	02/23/17	06/30/37	724,300	61,594	54,994	53,594	52,194	50,794	49,394	47,994	46,594	45,194	43,794	42,744
CTF Lombard Field Improvements (I) (#2016-113)	02/23/17	06/30/37	895,000	72,338	70,538	68,738	66,938	65,138	63,338	61,538	59,738	57,938	56,138	54,788
CTF West Barnstable Shooting Range (I) (#2017-074)	02/27/18	06/30/28	314,000	41,400	39,900	38,400	37,500	36,000	34,500	33,000	31,500	-	-	-
CTF Design and Hazmat Removal Project Armory Building (2018-096)	02/26/19	06/30/24	461,750	113,250	103,500	99,000	94,500	-	-	-	-	-	-	-
CTF Senior Center Renovations (#2018-076)	02/26/19	06/30/39	659,000	60,788	59,038	57,288	55,538	53,788	52,038	50,288	48,538	46,788	45,038	38,288
CTF Osterville Recreation Building Design & Construction (#2017-086)	02/26/19	06/30/39	675,000	61,388	59,638	57,888	56,138	54,388	52,638	50,888	49,138	47,388	45,638	43,888
CTF Town Hall Restroom Renovations	02/26/19	06/30/39	560,000	52,056	50,556	49,056	47,556	46,056	44,556	43,056	41,556	40,056	38,556	37,056
CTF Former Marston Mills Elementary School Demo (2018-094)	02/26/19	06/30/24	176,050	42,000	40,250	38,500	36,750	-	-	-	-	-	-	-
CTF School Administration Building (#2018-092)	02/26/19	06/30/24	285,000	71,250	63,250	60,500	57,750	-	-	-	-	-	-	-
CTF School Administration Building Remodeling (#2019-148)	02/25/20	06/30/40	996,000	86,304	83,763	81,263	78,763	76,263	73,763	71,263	68,763	66,263	63,763	61,763
CTF Craigville Bath House (#2019-116)	02/25/20	06/30/40	255,000	24,601	24,125	23,375	22,625	21,875	21,125	20,375	19,625	18,875	18,125	17,525
CTF Craigville Parking Lot (#2019-116)	02/25/20	06/30/35	160,000	21,514	20,950	15,200	14,700	14,200	13,700	13,200	12,700	12,200	11,700	11,300
CTF Marston Mills Tennis Courts (#2019-117)	02/25/20	06/30/35	620,000	70,083	68,550	66,300	64,050	56,800	54,800	52,800	50,800	48,800	46,800	45,200
CTF Public Bridge Improvements and Repairs (#2019-122)	02/25/20	06/30/40	500,000	42,682	41,938	40,688	39,438	38,188	36,938	35,688	34,438	33,188	31,938	30,938
CTF Sidewalk Improvements (#2019-125)	02/25/20	06/30/35	314,000	41,736	36,650	30,400	29,400	28,400	27,400	26,400	25,400	24,400	23,400	22,600
CTF Crosswalk Improvements (#2019-128)	02/25/20	06/30/35	113,100	17,966	14,350	13,850	13,350	12,850	12,350	11,850	6,350	6,100	5,850	5,650
Total Public Facilities Interest & Principal				1,819,370	1,684,339	1,483,292	1,322,378	910,690	862,940	828,793	701,863	644,188	608,338	549,438

DEBT POSITION ANALYSIS

WATERWAYS INTEREST & PRINCIPAL				Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031	
CTF Dredging				06/16/10	06/15/24	419,250	33,725	32,825	31,850	25,875	-	-	-	-	-	-	-	-
CTF Boat Ramp Renovations				06/14/11	06/15/21	250,000	26,000	-	-	-	-	-	-	-	-	-	-	-
CTF Dredging East Bay & Blish Point				06/14/11	06/15/21	665,000	67,600	-	-	-	-	-	-	-	-	-	-	-
CTF Prince Cove/Hayward Rd. Boat Ramp				06/14/11	06/15/26	600,000	49,050	47,450	45,850	44,250	42,900	41,500	-	-	-	-	-	-
CTF East Bay Dredging				11/22/13	11/15/23	600,000	65,700	63,900	62,250	60,750	-	-	-	-	-	-	-	-
CTF Hyannis Harbor Bulkhead Construction				11/22/13	11/15/23	142,000	16,025	10,650	10,375	10,125	-	-	-	-	-	-	-	-
CTF Millway Boat Ramp & Dock Upgrades				11/22/13	11/15/23	133,000	10,950	10,650	10,375	10,125	-	-	-	-	-	-	-	-
CTF Marstons Mills Fish Run Reconstruction				02/17/15	02/15/30	326,000	26,825	26,025	25,225	24,425	23,625	22,825	22,225	21,625	21,125	20,600	-	-
CTF Paving: Bay Street Boat Ramp (#2015-099)				02/25/16	06/30/26	142,000	18,200	17,600	17,000	16,400	10,800	10,400	-	-	-	-	-	-
CTF Channel Dredging- Barnstable Harbor (#2016-035)				02/25/16	06/30/26	490,000	61,600	59,600	57,600	55,600	48,600	46,800	-	-	-	-	-	-
CTF Pleasant St. Dock - 1 \$350,000 Refunded				06/21/16	06/30/23	109,500	24,560	22,680	21,840	-	-	-	-	-	-	-	-	-
CTF Pleasant St. Dock - 2 \$350,000 Refunded				06/21/16	06/30/23	110,000	24,560	22,680	21,840	-	-	-	-	-	-	-	-	-
CTF Boat Ramps - CAP \$927,000 Refunded				06/21/16	06/30/23	290,000	67,000	64,600	57,200	-	-	-	-	-	-	-	-	-
CTF Blish Point Boat Access Channel Dredging (I) (#2016-111)				02/23/17	06/30/37	943,900	78,506	76,506	74,506	72,506	70,506	63,506	61,706	59,906	58,106	56,306	54,956	-
Total Waterways Interest & Principal							570,301	455,166	435,911	320,056	196,431	185,031	83,931	81,531	79,231	76,906	54,956	-
WATER QUALITY INTEREST & PRINCIPAL				Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031	
CTF MWPAT CW-04-31 Pool 11				11/09/07	07/15/20	389,216	33,999	-	-	-	-	-	-	-	-	-	-	-
CTF Lake Treatment				06/16/10	06/15/25	275,000	17,475	17,025	16,538	16,050	15,525	-	-	-	-	-	-	-
CTF Nitrogen Management CW-04-31-A				03/15/11	07/15/20	211,460	23,330	-	-	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 Drainage 2 (I)				04/18/12	09/15/22	96,700	10,818	10,468	6,834	-	-	-	-	-	-	-	-	-
CTF Water Quality Evaluation				11/22/13	11/15/23	230,000	21,900	21,300	20,750	20,250	-	-	-	-	-	-	-	-
CTF Nitrogen Management CW-04-31-B Series 16				05/14/15	07/15/20	157,531	27,963	-	-	-	-	-	-	-	-	-	-	-
CTF Hamblin Pond Alum Treatment (#2015-112)				02/25/16	06/30/31	300,000	27,325	26,525	25,725	24,925	24,125	23,325	22,525	22,125	21,625	21,200	20,600	-
Total Water Quality Interest & Principal							162,810	75,318	69,847	61,225	39,650	23,325	22,525	22,125	21,625	21,200	20,600	-
TOTAL GENERAL FUND BOND OBLIGATIONS							6,542,324	5,952,935	5,519,196	4,942,408	4,033,151	3,830,786	3,323,805	3,009,188	2,796,250	2,683,269	2,402,519	
AIRPORT INTEREST & PRINCIPAL				Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031	
Airport (O)				06/14/11	06/15/31	730,000	53,000	51,600	55,200	53,600	52,250	50,850	54,350	52,663	50,863	54,063	52,063	-
Airport Terminal Ramp Construction - Phase 2 (O) (#2013-0101)				02/23/17	06/30/37	428,000	28,613	28,013	32,413	31,613	30,813	30,013	29,213	28,413	31,613	31,613	30,863	-
Airport New Fuel Farm (I) (#2013-102)				02/23/17	06/30/36	634,500	44,875	43,875	47,875	46,675	45,475	44,275	48,075	46,675	45,275	43,875	47,825	-
Airport East Ramp Design & Construction (O) (#2014-053)				02/23/17	06/30/37	641,200	45,169	44,169	43,169	47,169	45,969	44,769	43,569	42,369	46,169	44,769	43,719	-
Runway Reconstruction & Generator Replacement				02/26/19	06/30/39	355,500	34,144	33,144	32,144	31,144	30,144	29,144	28,144	27,144	26,144	25,144	19,144	-
Airfield Improvements				02/26/19	06/30/31	59,700	7,650	7,400	7,150	6,900	6,650	6,400	6,150	5,900	5,650	5,400	5,150	-
Total Airport Fund Bonds							213,450	208,200	217,950	217,100	211,300	205,450	209,500	203,163	206,713	204,863	198,763	-
GOLF COURSE INTEREST & PRINCIPAL				Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031	
Hyannis Golf Course Acquisition \$3,900,000 Refunded				02/17/15	02/15/25	1,951,500	289,600	289,080	288,200	291,960	290,160	-	-	-	-	-	-	-
Olde Barnstable Building Improvements (#2015-105)				02/25/16	06/30/26	174,000	19,600	24,000	23,200	22,400	21,600	20,800	-	-	-	-	-	-
Hyannis Building Improvements (#2015-106)				02/25/16	06/30/26	140,000	18,600	18,000	17,400	16,800	16,200	15,600	-	-	-	-	-	-
Olde Barnstable Fairgrounds Golf Course (I) (#2016-107)				02/23/17	06/30/37	245,000	22,313	21,713	21,113	20,513	19,913	19,313	13,713	13,113	12,913	12,513	12,213	-
Hyannis Golf Course Improvements (I) (#2016-108)				02/23/17	06/30/37	292,700	23,675	23,075	22,475	21,875	21,275	20,675	20,075	19,475	18,875	18,275	17,825	-
Hyannis Golf Course Turf Maintenance (I) (#2017-085)				02/27/18	06/30/23	310,000	67,800	64,800	61,800	-	-	-	-	-	-	-	-	-
Total Golf Course							441,588	440,668	434,188	373,548	369,148	76,388	33,788	32,788	31,788	30,788	30,038	-
WATER POLLUTION CONTROL INTEREST & PRINCIPAL				Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031	
Shallow Well Injection - CW-00-60 - Pool 8				08/25/04	08/01/22	436,370	33,040	32,250	30,750	-	-	-	-	-	-	-	-	-
Shallow Well Injection - CW-00-60 - Pool 8				08/25/04	08/01/22	(subsidy)	(10,267)	(9,974)	(9,028)	-	-	-	-	-	-	-	-	-
Sewer 98-44A				12/14/06	08/01/23	1,582,178	126,588	121,424	120,681	115,000	-	-	-	-	-	-	-	-
Sewer 98-44A				12/14/06	08/01/23	(subsidy)	(42,911)	(40,775)	(38,360)	(34,430)	-	-	-	-	-	-	-	-
Sewer 98-49A				12/14/06	08/01/23	556,458	45,863	43,989	41,976	40,000	-	-	-	-	-	-	-	-
Sewer 98-49A				12/14/06	08/01/23	(subsidy)	(15,082)	(14,307)	(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	326,668	326,668	326,668	326,668	-	-
Sewer 05-28 Restructured				03/15/11	07/15/28	629,403	41,637	41,637	41,637	41,637	41,637	41,637	41,637	41,636	41,637	41,636	-	-
Sewer (I)				06/14/11	06/15/21	300,000	31,200	-	-	-	-	-	-	-	-	-	-	-
Sewer CW-04-35A Pool 13				06/06/12	07/15/27	1,469,137	107,284	107,272	107,259	107,247	107,234	107,221	107,207	107,193	107,179	107,165	-	-
Rehab Clarifiers (#2015-091)				02/25/16	06/30/36	1,000,000	75,813	73,813	71,813	69,813	67,813	65,813	63,813	62,813	61,563	60,500	59,000	-
Pump Station/Sewer Main Const (#2009-132)				02/25/16	06/30/21	318,000	62,400	-	-	-	-	-	-	-	-	-	-	-
Waste Water Treatment Plant Sewer Turbine Generator \$570,000 Refunded				06/21/16	06/30/28	251,000	31,080	30,080	26,080	33,200	27,000	26,500	26,000	25,500	-	-	-	-

DEBT POSITION ANALYSIS

WATER POLLUTION CONTROL INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
Wastewater Treatment Plant Clarifiers Rehab (O) (#2016-097)	02/23/17	06/30/37	1,146,000	94,819	92,419	90,019	87,619	85,219	82,819	75,419	73,219	71,019	68,819	67,169
Wastewater Treatment Plant Backup Generator (O) (#2016-098)	02/23/17	06/30/37	862,000	71,250	69,450	67,650	65,850	64,050	62,250	60,450	58,650	56,850	50,050	48,850
Sewer System Evaluation Surveys (#2019-131)	02/25/20	06/30/25	343,500	85,198	83,750	80,250	76,750	68,250	-	-	-	-	-	-
Total Water Pollution Control Enterprise Fund				1,064,579	957,694	943,930	917,257	787,869	712,907	701,193	695,679	231,068	179,369	175,019
SOLID WASTE INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
Advance Refund 6/15/2003 Transfer Station Improvements	04/18/12	09/15/22	241,500	27,035	22,240	20,910	-	-	-	-	-	-	-	-
Solid Waste Facility (I) \$630,000 Refunded	02/17/15	02/15/27	284,900	36,360	35,200	33,040	31,920	30,800	29,680	28,840	-	-	-	-
Total Solid Waste Fund				63,395	57,440	53,950	31,920	30,800	29,680	28,840	-	-	-	-
WATER SUPPLY INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
MWPAT DWS-09-02	07/08/10	07/15/30	2,788,911	169,184	169,185	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	34,193	34,238	34,285	34,332	34,382	34,431	34,482	34,534	34,587	34,641	34,698
Water Main Loop	02/17/15	02/15/35	540,000	42,938	41,738	40,538	39,338	38,138	36,938	36,038	35,138	34,388	23,600	23,000
Water Co. (Level Debt) (O) \$10,000,000 Refunded	02/17/15	02/15/27	5,704,800	693,870	691,350	692,070	691,770	689,750	692,750	692,160	-	-	-	-
DW-09-02 Series 16	05/14/15	07/15/32	533,117	35,129	35,170	35,213	35,256	35,300	35,346	35,391	35,439	35,487	35,536	35,586
DWP-11-09 Series 17A	05/14/15	01/15/33	793,438	52,689	52,759	52,831	52,904	52,980	53,057	53,135	53,215	53,298	53,381	53,466
Water Main Replacement (#2010-097)	02/25/16	06/30/21	380,000	78,000	-	-	-	-	-	-	-	-	-	-
Pipe Replacement Upgrade FY17 (#2015-085)	02/25/16	06/30/36	900,000	68,231	66,431	64,631	62,831	61,031	59,231	57,431	56,531	55,406	54,450	53,100
Paint/Repair Mary Dunn 2 (#2015-087)	02/25/16	06/30/21	615,000	124,800	-	-	-	-	-	-	-	-	-	-
Hyannis Water System Pipe Replacement (O) (#2016-093)	02/23/17	06/30/37	858,400	71,050	69,250	67,450	65,650	63,850	62,050	60,250	58,450	51,650	50,050	48,850
DWP-14-09 Mass Clean Water Trust (#2014-071, 2013-085, 2013-088)	04/13/17	07/15/37	1,467,339	89,017	89,127	89,240	89,354	89,471	89,591	89,713	89,838	89,966	90,096	90,229
Well Reactivation (O) (#2017-080)	02/27/18	06/30/38	276,000	24,813	24,063	23,313	22,863	22,113	21,363	20,613	19,863	19,113	18,313	17,913
Water Pipe Replacement (O) (#2017-081)	02/27/18	06/30/38	468,000	41,575	40,325	39,075	38,325	37,075	35,825	34,575	33,325	32,075	31,075	30,075
Mary Dunn Water Storage Tank Site Work (O) (#2017-083)	02/27/18	06/30/38	600,500	51,188	49,688	48,188	47,288	45,788	44,288	42,788	41,288	39,788	38,588	37,388
Water Carbon Filter Units (O) (#2017-079)	02/27/18	06/30/18	440,000	61,600	59,350	57,100	55,750	53,500	51,250	44,000	42,000	-	-	-
MCWT Series 21 DWP-16-17 (#2014-073, #2016-146, #, #2016-163, #2017-010)	09/12/18	07/15/38	2,939,657	176,696	176,881	177,069	177,262	177,458	177,659	177,864	178,073	178,288	178,506	178,730
Pipe Replacement Upgrade FY19 (#2018-081)	02/26/19	06/30/39	1,050,000	96,063	93,313	90,563	87,813	85,063	82,313	79,563	76,813	74,063	66,313	63,813
Carbon Treatment System Construction at Maher Wellfield (2017-099)	02/26/19	06/30/28	318,500	49,000	47,250	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	76,500	73,750	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	120,433	120,585	120,740	120,898	121,059	121,225	121,394	121,566	121,742	121,922	122,106
Water Pipe Replacement (#2019-135)	02/25/20	06/30/40	950,500	84,734	82,688	80,188	77,688	75,188	72,688	70,188	67,688	65,188	62,688	55,688
MCWT Series DWP 18-10 (2018-173) & (2017-099)	01/15/21	07/15/40	9,754,852	65,032	585,744	586,342	586,954	587,579	588,217	588,869	589,535	590,216	590,912	591,623
Total Water Enterprise Fund				2,306,734	2,602,883	2,584,518	2,567,559	2,546,407	2,530,403	2,501,136	1,791,727	1,644,436	1,619,453	1,605,445
MARINA INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
CTF Marina Bulkhead Repair I	06/14/11	06/15/30	725,000	54,031	52,431	50,831	44,231	43,050	41,825	40,513	39,200	37,800	36,400	-
Marina Bulkhead Repair II	06/14/11	06/15/30	525,000	37,300	41,300	40,100	38,900	37,888	36,838	40,713	39,400	38,000	41,600	-
Advance Refund 6/14/2004 Prince Cove Marina Acquisition	04/18/12	09/15/22	864,000	98,550	95,400	91,800	-	-	-	-	-	-	-	-
Gateway Marina Dredging (#2015-108)	02/25/16	06/30/26	280,000	36,400	35,200	29,000	28,000	27,000	26,000	-	-	-	-	-
Prince Cover Marina Bulkhead (#2015-109)	02/25/16	06/30/36	570,000	44,588	43,388	42,188	40,988	39,788	38,588	37,388	36,788	36,038	35,400	29,500
Hyannis Harbor Bulkhead (#2015-110)	02/25/16	06/30/21	158,000	31,200	-	-	-	-	-	-	-	-	-	-
Gateway Marina Maintenance Dredging (I) (#2016-109)	02/23/17	06/30/37	476,500	39,475	38,475	37,475	36,475	35,475	34,475	33,475	32,475	31,475	30,475	29,725
Total Marina Enterprise Fund				341,544	306,194	291,394	188,594	183,200	177,725	152,088	147,863	143,313	143,875	59,225
SANDY NECK INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
Sandy Neck Beach House II	06/14/11	06/15/26	81,000	6,319	6,119	5,919	5,719	5,550	10,375	-	-	-	-	-
Sandy Neck Beach House I	06/14/11	06/15/31	966,491	68,806	72,006	70,006	68,006	71,319	69,394	72,331	70,081	67,681	70,281	67,681
Sandy Neck Beach House III	06/14/11	06/15/31	217,509	15,056	14,656	14,256	13,856	13,519	13,169	12,794	17,419	16,819	16,219	15,619
Total Sandy Neck Enterprise Fund				90,181	92,781	90,181	87,581	90,388	92,938	85,125	87,500	84,500	86,500	83,300
HYCC INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
CTF HYCC 1 (I) \$1,000,000 Refunded	02/17/15	02/15/27	474,900	60,310	58,390	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	480,170	463,890	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	95,630	92,590	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	419,600	404,000	384,480	374,200	360,800	344,100	332,600	316,200	-	-	-
CTF HYCC Roof, HVAC, and Parking & Security (#2019-115)	02/25/20	06/30/40	679,000	63,427	58,175	56,425	54,675	52,925	51,175	49,425	47,675	45,925	44,175	42,775
Total HYCC Enterprise Fund				1,119,137	1,077,045	1,034,575	999,385	961,195	920,825	885,695	363,875	45,925	44,175	42,775

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COMMUNITY PRESERVATION FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
Town Hall Renovations	06/16/10	06/15/30	1,332,520	88,319	86,369	84,256	82,144	79,869	77,594	75,238	72,638	70,200	67,600	-
Land Acquisition 1 Adv Ref 6/15/2002	06/14/11	06/15/22	7,065,000	624,480	526,240	-	-	-	-	-	-	-	-	-
Advance Refund 6/15/2003 Landbank Acquisitions	04/18/12	09/15/22	964,600	104,009	100,684	96,492	-	-	-	-	-	-	-	-
Advance Refund 6/15/2004 Landbank Acquisitions 3	04/18/12	09/15/22	5,385,600	623,374	597,544	567,732	-	-	-	-	-	-	-	-
Advance Refund 6/15/2004 Landbank Acquisitions 2	04/18/12	09/15/22	227,300	27,375	26,500	25,500	-	-	-	-	-	-	-	-
Land Acquisition - 2004-105 Bone Hill \$200k Refunded	02/17/15	02/15/25	90,850	10,800	10,440	10,080	9,720	9,360	-	-	-	-	-	-
Land Acquisition - 06-15-05 - 2004-106 \$180k Refunded	02/17/15	02/15/25	73,600	11,040	4,640	4,480	4,320	4,160	-	-	-	-	-	-
Land Acquisition - Hyannis Golf \$5,500,000 Refunded	02/17/15	02/15/25	2,496,300	301,580	286,500	277,620	266,700	255,320	-	-	-	-	-	-
Land Acquisition - Archibald \$500,000 Refunded	02/17/15	02/15/26	212,100	29,370	28,410	26,450	25,530	24,610	23,690	-	-	-	-	-
Total Community Preservation Fund				1,820,347	1,667,327	1,092,610	388,414	373,319	101,284	75,238	72,638	70,200	67,600	

TITLE V FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
Title V - Phase I - 97-1131 Series 6-	07/25/02	08/01/20	197,403	10,468	-	-	-	-	-	-	-	-	-	-
Title V - Phase I - 97-1131 Series 6-	07/25/02	08/01/20	(subsidy)	(268)	-	-	-	-	-	-	-	-	-	-
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	190,580	11,242	10,969	10,459	-	-	-	-	-	-	-	-
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	(subsidy)	(1,270)	(765)	(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	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	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	10,000	10,000	-	-	-	-
Total Title V				50,172	40,204	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	Payments FY 2021	Payments FY 2022	Payments FY 2023	Payments FY 2024	Payments FY 2025	Payments FY 2026	Payments FY 2027	Payments FY 2028	Payments FY 2029	Payments FY 2030	Payments FY 2031
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	199,318	199,318
Sewer CWS-09-07-A Series 16	05/14/15	07/15/32	4,592,367	302,608	302,965	303,329	303,701	304,082	304,471	304,868	305,273	305,688	306,111	306,544
310 Main Street, Barnstable (Centerville) Acquisition (#2020-025)	02/25/20	06/30/40	549,000	54,064	48,938	47,438	45,938	44,438	42,938	41,438	39,938	38,438	31,938	30,938
1456 Falmouth Road, Route 28, Barnstable (Centerville) Acquisition (#2020-026)	02/25/20	06/30/40	283,900	29,274	24,725	23,975	23,225	22,475	21,725	20,975	20,225	19,475	18,725	18,125
Total Sewer Construction & Private Way Maintenance and Improvement Fund				585,264	575,945	574,059	572,182	570,313	568,451	566,598	564,753	562,918	556,092	554,925

TOTAL ENTERPRISE FUND BOND OBLIGATIONS				8,096,391	8,026,381	7,357,559	6,373,539	6,153,938	5,446,050	5,249,199	3,959,984	3,020,860	2,932,714	2,749,488
GRAND TOTAL TOWN OF BARNSTABLE BOND OBLIGATIONS				14,638,715	13,979,315	12,876,755	11,315,946	10,187,089	9,276,836	8,573,004	6,969,172	5,817,110	5,615,982	5,152,007

LAND ACQUISITION INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
CTF Land Acquisition (I) - Hyannis Golf Course \$748,000 Refunded	02/17/15	02/15/26	325,200	-	-	-	-	-	-	-	-	-	-	236,400
CTF Land Acquisition - CAP \$365,200 Refunded	06/21/16	06/30/23	115,000	-	-	-	-	-	-	-	-	-	-	72,240
Total Land Acquisition Interest & Principal														308,640

SCHOOLS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
CTF School Building Improvements	06/16/10	06/15/30	936,000	-	-	-	-	-	-	-	-	-	-	542,925
CTF School Facilities Upgrades/Repairs V (I)	06/14/11	06/15/31	884,000	-	-	-	-	-	-	-	-	-	-	583,038
CTF School Parking Lot (I)	06/14/11	06/15/21	250,000	-	-	-	-	-	-	-	-	-	-	26,000
CTF School Facilities Upgrades/Repairs IV	06/14/11	06/15/21	332,000	-	-	-	-	-	-	-	-	-	-	31,200
CTF School Remolding - Asbestos 00-110 Refunded	06/14/11	06/15/22	50,000	-	-	-	-	-	-	-	-	-	-	10,600
CTF School Facilities Upgrades/Repairs II	06/14/11	06/15/26	179,000	-	-	-	-	-	-	-	-	-	-	67,750
CTF School Facilities Upgrades/Repairs III	06/14/11	06/15/26	190,000	-	-	-	-	-	-	-	-	-	-	67,750
CTF School Improvement (I)	06/14/11	06/15/26	487,000	-	-	-	-	-	-	-	-	-	-	203,250
CTF Advance Refund 6/15/2003 School Remodel II	04/18/12	09/15/22	193,400	-	-	-	-	-	-	-	-	-	-	54,820
CTF Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	-	-	-	-	-	-	-	-	-	-	64,194
CTF School Roof Repairs	11/22/13	11/15/23	600,000	-	-	-	-	-	-	-	-	-	-	252,600
CTF HS Library AC Units	11/22/13	11/15/23	450,000	-	-	-	-	-	-	-	-	-	-	189,450
CTF School Fire & Communications System	11/22/13	11/15/23	200,000	-	-	-	-	-	-	-	-	-	-	84,200
CTF School Computer Network Infrastructure	11/22/13	11/15/23	189,000	-	-	-	-	-	-	-	-	-	-	68,225
CTF Early Learning Center Modular Facility	02/17/15	02/15/35	2,000,000	112,000	109,000	106,000	103,000	-	-	-	-	-	-	1,867,625
CTF School Upgrades 1 (I) \$360,000 Refunded	02/17/15	02/15/22	104,700	-	-	-	-	-	-	-	-	-	-	40,280
CTF School Facilities Repair & Improvement (I) \$660,000 Refunded	02/17/15	02/15/22	199,700	-	-	-	-	-	-	-	-	-	-	79,480
CTF School Health & Safety Improvements \$478,000 Refunded	02/17/15	02/15/26	193,400	-	-	-	-	-	-	-	-	-	-	135,880
CTF MME Roof Replacement (I) \$750,000 Refunded	02/17/15	02/15/26	329,800	-	-	-	-	-	-	-	-	-	-	242,200

DEBT POSITION ANALYSIS

SCHOOLS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
CTF School Upgrades 2 (I) \$150,000 Refunded	02/17/15	02/15/27	47,400	-	-	-	-	-	-	-	-	-	-	36,960
CTF BHMCPs Roof (I) \$910,000 Refunded	02/17/15	02/15/27	426,900	-	-	-	-	-	-	-	-	-	-	338,770
CTF School Facility Improvements 1 (I) \$916,600 Refunded	06/21/16	06/30/28	295,700	-	-	-	-	-	-	-	-	-	-	264,480
CTF Elementary School Modular Classroom (#2015-115)	02/25/16	06/30/36	3,720,000	212,750	207,200	201,650	196,100	190,550	-	-	-	-	-	3,718,731
CTF BIS Façade & Roof Improvements (#2015-116)	02/25/16	06/30/36	3,353,000	189,750	184,800	179,850	174,900	169,950	-	-	-	-	-	3,350,906
CTF BHMCPs Façade & Roof Improvements (#2015-117)	02/25/16	06/30/26	260,000	-	-	-	-	-	-	-	-	-	-	171,000
CTF High School & Middle School Boiler Upgrades (#2015-119)	02/25/16	06/30/26	350,000	-	-	-	-	-	-	-	-	-	-	239,400
CTF W Village Elementary A/C Replacement (#2015-120)	02/25/16	06/30/26	250,000	-	-	-	-	-	-	-	-	-	-	171,000
CTF School Parking Lot Light Pole Replacement (I) (#2016-082)	02/23/17	06/30/27	435,000	-	-	-	-	-	-	-	-	-	-	346,800
CTF School Unit Ventilator Upgrade (I) (#2016-083)	02/23/17	06/30/27	230,000	-	-	-	-	-	-	-	-	-	-	178,600
CTF Horace Mann Roof (I) (#2016-081)	02/27/18	06/30/38	2,350,000	139,869	136,419	132,969	129,519	126,069	122,475	118,738	-	-	-	2,818,763
CTF Barnstable Public Schools Unit Ventilator (I) (#2017-062)	02/27/18	06/30/28	225,000	-	-	-	-	-	-	-	-	-	-	211,000
CTF Barnstable High School Learning Center (I) (#2017-063)	02/27/18	06/30/38	2,968,500	176,356	172,006	167,656	163,306	158,956	154,425	149,713	-	-	-	3,561,838
CTF Barnstable Public Schools Asbestos Abatement (I) (#2017-066)	02/27/18	06/30/28	270,000	-	-	-	-	-	-	-	-	-	-	254,250
CTF Barnstable High School Stadium Bleachers (I) (#2017-067)	02/27/18	06/30/33	966,000	63,600	61,800	-	-	-	-	-	-	-	-	1,063,950
CTF Barnstable High School Cafeteria Window (I) (#2017-068)	02/27/18	06/30/38	400,000	24,325	23,725	23,125	22,525	21,925	21,300	20,650	-	-	-	481,750
CTF Hyannis West Elementary School Roof Truss System (2019-058)	02/26/19	06/30/39	850,000	49,850	48,650	47,450	46,250	45,050	43,850	42,600	41,300	-	-	1,092,800
CTF Barnstable High School Sports Field Upgrade (#2018-064)	02/26/19	06/30/34	4,600,000	332,450	323,300	314,150	-	-	-	-	-	-	-	5,588,750
CTF Barnstable High School Engineering Phase 2 Sports Field (#2019-093)	02/25/20	06/30/25	144,000	-	-	-	-	-	-	-	-	-	-	165,000
CTF Barnstable Public Schools Mechanical Upgrades (#2019-096)	02/25/20	06/30/40	250,000	12,075	11,775	11,475	11,275	11,075	10,875	10,663	10,450	10,225	-	325,492
CTF Barnstable Public Schools Environmental Lab (#2019-097)	02/25/20	06/30/40	222,000	12,075	11,775	11,475	11,275	11,075	10,875	10,663	10,450	10,225	-	286,880
CTF BPS & BIS Roof Top Ventilators (#2019-098)	02/25/20	06/30/40	1,500,000	90,563	88,313	86,063	84,563	83,063	81,563	79,969	78,375	76,688	-	1,967,328
CTF Centerville Elementary Ventilator (#2019-099)	02/25/20	06/30/40	500,000	30,188	29,438	28,688	28,188	27,688	27,188	26,656	26,125	25,563	-	655,776
CTF Hyannis West Elementary School Roof (#2019-101)	02/25/20	06/30/40	450,000	24,150	23,550	22,950	22,550	22,150	21,750	21,325	20,900	20,450	-	587,803
CTF Centerville Elementary Roof (#2019-102)	02/25/20	06/30/40	250,000	12,075	11,775	11,475	11,275	11,075	10,875	10,663	10,450	10,225	-	325,492
CTF Barnstable High School Sports Field Upgrades (#2019-211)	02/25/20	06/30/35	1,100,000	77,000	74,900	72,800	71,400	-	-	-	-	-	-	1,413,676
Total Schools Interest & Principal				1,559,075	1,518,425	1,417,775	1,076,125	878,625	505,175	491,638	198,050	153,375		34,228,662
PUBLIC WAYS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
CTF Sidewalk Improvements (#2015-098)	02/25/16	06/30/36	230,000	-	-	-	-	-	-	-	-	-	-	147,400
CTF Road Repairs (#2015-102)	02/25/16	06/30/31	518,000	-	-	-	-	-	-	-	-	-	-	441,894
CTF Road Repairs - Governor's Way (#2016-037)	02/25/16	06/30/31	304,000	-	-	-	-	-	-	-	-	-	-	260,025
CTF Private Road Repairs \$1,607,900	06/21/16	06/30/23	509,000	-	-	-	-	-	-	-	-	-	-	324,000
CTF Private Roads Repairs (I) \$167,300	02/23/17	06/30/31	167,300	-	-	-	-	-	-	-	-	-	-	144,900
CTF Guardrail & Sidewalk Improvement Program (I) (#2016-103)	02/23/17	06/30/32	680,750	46,350	-	-	-	-	-	-	-	-	-	665,550
CTF Guardrail & Sidewalk (I) (#2017-073)	02/27/18	06/30/33	287,000	15,900	15,450	-	-	-	-	-	-	-	-	311,200
CTF Gleneagle Drive Private Road Repairs (#2019-197)	02/25/20	06/30/30	675,000	-	-	-	-	-	-	-	-	-	-	850,081
Total Public Ways Interest & Principal				62,250	15,450									3,879,161
PUBLIC FACILITIES INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
CTF Municipal Facility Improvements	06/16/10	06/15/29	402,500	-	-	-	-	-	-	-	-	-	-	53,325
CTF Police Facility	06/16/10	06/15/30	508,000	-	-	-	-	-	-	-	-	-	-	301,625
CTF Building - Town Hall Space - 00-110 Refunded	06/14/11	06/15/21	180,000	-	-	-	-	-	-	-	-	-	-	19,760
CTF Municipal Facility Improvement	06/14/11	06/15/21	300,000	-	-	-	-	-	-	-	-	-	-	31,200
CTF Building - Town Hall Repairs - 01-087 Refunded	06/14/11	06/15/22	100,000	-	-	-	-	-	-	-	-	-	-	20,120
CTF Advance Refund 6/15/2003 Building Improvements	04/18/12	09/15/22	96,600	-	-	-	-	-	-	-	-	-	-	28,010
CTF Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	-	-	-	-	-	-	-	-	-	-	190,500
CTF Tennis Courts	11/22/13	11/15/23	500,000	-	-	-	-	-	-	-	-	-	-	210,500
CTF US Custom House upgrades	11/22/13	11/15/23	263,000	-	-	-	-	-	-	-	-	-	-	105,250
CTF Osterville Community Building Upgrades	11/22/13	11/15/23	200,000	-	-	-	-	-	-	-	-	-	-	84,200
CTF Police Station Upgrades	11/22/13	11/15/23	168,000	-	-	-	-	-	-	-	-	-	-	63,150
CTF Town Hall Interior Upgrades	11/22/13	11/15/23	150,000	-	-	-	-	-	-	-	-	-	-	63,150
CTF Guyer Barn Upgrades	11/22/13	11/15/23	148,000	-	-	-	-	-	-	-	-	-	-	57,713
CTF MEA Facility Upgrades	11/22/13	11/15/23	131,000	-	-	-	-	-	-	-	-	-	-	42,100
CTF Pearl St Building Upgrades	11/22/13	11/15/23	114,000	-	-	-	-	-	-	-	-	-	-	42,100
CTF S&G Facility Roof Repairs	11/22/13	11/15/23	103,000	-	-	-	-	-	-	-	-	-	-	42,100
CTF West Barnstable Community Building Upgrades	11/22/13	11/15/23	72,000	-	-	-	-	-	-	-	-	-	-	21,050
CTF Highway Operations Facility Construction	11/22/13	11/15/23	66,000	-	-	-	-	-	-	-	-	-	-	21,050
CTF Centerville Recreation Building	02/17/15	02/15/35	185,000	10,750	5,450	5,300	5,150	-	-	-	-	-	-	165,463
CTF Senior Center - Parking Lot Expansion	02/17/15	02/15/30	290,000	-	-	-	-	-	-	-	-	-	-	221,255

DEBT POSITION ANALYSIS

PUBLIC FACILITIES INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
CTF Police Facilities	02/17/15	02/15/35	288,000	16,350	10,900	10,600	10,300	-	-	-	-	-	-	258,844
CTF Police Station Construction (I) \$400,000 Adv Refunded 6-15-05	02/17/15	02/15/25	181,650	-	-	-	-	-	-	-	-	-	-	100,800
CTF Beach Facilities Improvements (I) \$270,000 Refunded	02/15/15	02/15/22	71,300	-	-	-	-	-	-	-	-	-	-	29,680
CTF Senior Center - Garden Level \$457,000 Refunded	02/17/15	02/15/27	195,000	-	-	-	-	-	-	-	-	-	-	151,810
CTF Town Building Repairs & Renovations \$685,000 Refunded	02/17/15	02/15/27	317,600	-	-	-	-	-	-	-	-	-	-	244,510
CTF Police Station Remodeling (#2015-100)	02/25/16	06/30/36	355,000	17,250	16,800	16,350	15,900	15,450	-	-	-	-	-	341,419
CTF Town Hall Remodeling (#2015-101)	02/25/16	06/30/36	939,000	51,750	50,400	49,050	47,700	46,350	-	-	-	-	-	920,756
CTF Joshua's Pond Recreational Facility (#2015-111)	02/25/16	06/30/31	282,000	-	-	-	-	-	-	-	-	-	-	234,919
CTF Craigville Beach Bathhouse (#2016-031)	02/25/16	06/30/36	450,000	23,000	22,400	21,800	21,200	20,600	-	-	-	-	-	436,225
CTF Bismore Park Visitor Center - CAP \$150,000	06/21/16	06/30/23	48,000	-	-	-	-	-	-	-	-	-	-	30,240
CTF Bismore Park Visitor Center \$465,000 Refunded	06/21/16	06/30/23	147,500	-	-	-	-	-	-	-	-	-	-	94,960
CTF Municipal Building Improvements \$297,000 Refunded	06/21/16	06/30/28	49,300	-	-	-	-	-	-	-	-	-	-	44,600
CTF IT Hardware and Software Upgrade (I) (#2016-086)	02/23/17	06/30/22	342,000	-	-	-	-	-	-	-	-	-	-	137,800
CTF Marstons Mills Parking Lot (I) (#2016-087)	02/23/17	06/30/22	246,450	-	-	-	-	-	-	-	-	-	-	100,600
CTF Beach Facility Improvement (I) (#2016-110)	02/23/17	06/30/27	438,000	-	-	-	-	-	-	-	-	-	-	346,800
CTF Osterville Bay Elem School Improvements (I) (#2016-112)	02/23/17	06/30/37	724,300	41,694	40,644	39,594	38,456	37,319	36,181	-	-	-	-	782,769
CTF Lombard Field Improvements (I) (#2016-113)	02/23/17	06/30/37	895,000	53,438	52,088	50,738	49,275	47,813	41,350	-	-	-	-	991,863
CTF West Barnstable Shooting Range (I) (#2017-074)	02/27/18	06/30/28	314,000	-	-	-	-	-	-	-	-	-	-	292,200
CTF Design and Hazmat Removal Project Armory Building (2018-096)	02/26/19	06/30/24	461,750	-	-	-	-	-	-	-	-	-	-	410,250
CTF Senior Center Renovations (#2018-076)	02/26/19	06/30/39	659,000	37,388	36,488	35,588	34,688	33,788	32,888	31,950	30,975	-	-	841,163
CTF Osterville Recreation Building Design & Construction (#2017-086)	02/26/19	06/30/39	675,000	42,838	41,788	40,738	34,688	33,788	32,888	31,950	30,975	-	-	868,663
CTF Town Hall Restroom Renovations	02/26/19	06/30/39	560,000	31,156	30,406	29,656	28,906	28,156	27,406	26,625	25,813	-	-	718,244
CTF Former Marston Mills Elementary School Demo (2018-094)	02/26/19	06/30/24	176,050	-	-	-	-	-	-	-	-	-	-	157,500
CTF School Administration Building (#2018-092)	02/26/19	06/30/24	285,000	-	-	-	-	-	-	-	-	-	-	252,750
CTF School Administration Building Remodeling (#2019-148)	02/25/20	06/30/40	996,000	60,263	58,763	57,263	56,263	55,263	54,263	53,200	52,138	46,013	-	1,305,354
CTF Craigville Bath House (#2019-116)	02/25/20	06/30/40	255,000	12,075	11,775	11,475	11,275	11,075	10,875	10,663	10,450	10,225	-	332,138
CTF Craigville Parking Lot (#2019-116)	02/25/20	06/30/35	160,000	11,000	10,700	10,400	10,200	-	-	-	-	-	-	203,664
CTF Marston Mills Tennis Courts (#2019-117)	02/25/20	06/30/35	620,000	44,000	42,800	41,600	40,800	-	-	-	-	-	-	794,183
CTF Public Bridge Improvements and Repairs (#2019-122)	02/25/20	06/30/40	500,000	30,188	29,438	28,688	28,188	27,688	27,188	26,656	26,125	25,563	-	655,776
CTF Sidewalk Improvements (#2019-125)	02/25/20	06/30/35	314,000	22,000	21,400	20,800	20,400	-	-	-	-	-	-	400,786
CTF Crosswalk Improvements (#2019-128)	02/25/20	06/30/35	113,100	5,500	5,350	5,200	5,100	-	-	-	-	-	-	141,666
Total Public Facilities Interest & Principal				510,638	487,588	474,838	458,488	357,288	263,038	181,044	176,475	81,800	-	14,406,821
WATERWAYS INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
CTF Dredging	06/16/10	06/15/24	419,250	-	-	-	-	-	-	-	-	-	-	124,275
CTF Boat Ramp Renovations	06/14/11	06/15/21	250,000	-	-	-	-	-	-	-	-	-	-	26,000
CTF Dredging East Bay & Blish Point	06/14/11	06/15/21	665,000	-	-	-	-	-	-	-	-	-	-	67,600
CTF Prince Cove/Hayward Rd. Boat Ramp	06/14/11	06/15/26	600,000	-	-	-	-	-	-	-	-	-	-	271,000
CTF East Bay Dredging	11/22/13	11/15/23	600,000	-	-	-	-	-	-	-	-	-	-	252,600
CTF Hyannis Harbor Bulkhead Construction	11/22/13	11/15/23	142,000	-	-	-	-	-	-	-	-	-	-	47,175
CTF Millway Boat Ramp & Dock Upgrades	11/22/13	11/15/23	133,000	-	-	-	-	-	-	-	-	-	-	42,100
CTF Marstons Mills Fish Run Reconstruction	02/17/15	02/15/30	326,000	-	-	-	-	-	-	-	-	-	-	234,525
CTF Paving: Bay Street Boat Ramp (#2015-099)	02/25/16	06/30/26	142,000	-	-	-	-	-	-	-	-	-	-	90,400
CTF Channel Dredging- Barnstable Harbor (#2016-035)	02/25/16	06/30/26	490,000	-	-	-	-	-	-	-	-	-	-	329,800
CTF Pleasant St. Dock - 1 \$350,000 Refunded	06/21/16	06/30/23	109,500	-	-	-	-	-	-	-	-	-	-	69,080
CTF Pleasant St. Dock - 2 \$350,000 Refunded	06/21/16	06/30/23	110,000	-	-	-	-	-	-	-	-	-	-	69,080
CTF Boat Ramps - CAP \$927,000 Refunded	06/21/16	06/30/23	290,000	-	-	-	-	-	-	-	-	-	-	188,800
CTF Blish Point Boat Access Channel Dredging (I) (#2016-111)	02/23/17	06/30/37	943,900	53,606	52,256	50,906	49,444	47,981	46,519	-	-	-	-	1,027,731
Total Waterways Interest & Principal				53,606	52,256	50,906	49,444	47,981	46,519	-	-	-	-	2,840,166
WATER QUALITY INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
CTF MWPAT CW-04-31 Pool 11	11/09/07	07/15/20	389,216	-	-	-	-	-	-	-	-	-	-	33,999
CTF Lake Treatment	06/16/10	06/15/25	275,000	-	-	-	-	-	-	-	-	-	-	82,613
CTF Nitrogen Management CW-04-31-A	03/15/11	07/15/20	211,460	-	-	-	-	-	-	-	-	-	-	23,330
CTF Advance Refund 6/15/2003 Drainage 2 (I)	04/18/12	09/15/22	96,700	-	-	-	-	-	-	-	-	-	-	28,120
CTF Water Quality Evaluation	11/22/13	11/15/23	230,000	-	-	-	-	-	-	-	-	-	-	84,200
CTF Nitrogen Management CW-04-31-B Series 16	05/14/15	07/15/20	157,531	-	-	-	-	-	-	-	-	-	-	27,963
CTF Hamblin Pond Alum Treatment (#2015-112)	02/25/16	06/30/31	300,000	-	-	-	-	-	-	-	-	-	-	260,025
Total Water Quality Interest & Principal				-	540,250									
TOTAL GENERAL FUND BOND OBLIGATIONS				2,185,569	2,073,719	1,943,519	1,584,056	1,283,894	814,731	672,681	374,525	235,175	-	56,203,700

DEBT POSITION ANALYSIS

AIRPORT INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
Airport (O)	06/14/11	06/15/31	730,000	-	-	-	-	-	-	-	-	-	-	580,500
Airport Terminal Ramp Construction - Phase 2 (O) (#2013-0101)	02/23/17	06/30/37	428,000	30,113	29,363	28,613	27,800	31,988	31,013	-	-	-	-	513,075
Airport New Fuel Farm (I) (#2013-102)	02/23/17	06/30/36	634,500	46,625	45,425	44,225	47,925	46,463	-	-	-	-	-	735,438
Airport East Ramp Design & Construction (O) (#2014-053)	02/23/17	06/30/37	641,200	42,669	46,619	45,419	44,119	42,819	46,519	-	-	-	-	759,169
Runway Reconstruction & Generator Replacement	02/26/19	06/30/39	355,500	18,694	18,244	17,794	17,344	16,894	16,444	15,975	15,488	-	-	452,456
Airfield Improvements	02/26/19	06/30/31	59,700	-	-	-	-	-	-	-	-	-	-	70,400
Total Airport Fund Bonds				138,100	139,650	136,050	137,188	138,163	93,975	15,975	15,488	-	-	3,111,038
GOLF COURSE INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
Hyannis Golf Course Acquisition \$3,900,000 Refunded	02/17/15	02/15/25	1,951,500	-	-	-	-	-	-	-	-	-	-	1,449,000
Olde Barnstable Building Improvements (#2015-105)	02/25/16	06/30/26	174,000	-	-	-	-	-	-	-	-	-	-	131,600
Hyannis Building Improvements (#2015-106)	02/25/16	06/30/26	140,000	-	-	-	-	-	-	-	-	-	-	102,600
Olde Barnstable Fairgrounds Golf Course (I) (#2016-107)	02/23/17	06/30/37	245,000	11,913	11,613	11,313	10,988	10,663	10,338	-	-	-	-	256,363
Hyannis Golf Course Improvements (I) (#2016-108)	02/23/17	06/30/37	292,700	17,375	16,925	16,475	10,988	10,663	10,338	-	-	-	-	310,338
Hyannis Golf Course Turf Maintenance (I) (#2017-085)	02/27/18	06/30/23	310,000	-	-	-	-	-	-	-	-	-	-	194,400
Total Golf Course				29,288	28,538	27,788	21,975	21,325	20,675	-	-	-	-	2,444,300
WATER POLLUTION CONTROL INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
Wastewater Treatment Plant Clarifiers Rehab (O) (#2016-097)	02/23/17	06/30/37	1,146,000	65,519	63,869	62,219	60,431	58,644	56,856	-	-	-	-	1,256,094
Wastewater Treatment Plant Backup Generator (O) (#2016-098)	02/23/17	06/30/37	862,000	47,650	46,450	45,250	43,950	42,650	41,350	-	-	-	-	942,650
Sewer System Evaluation Surveys (#2019-131)	02/25/20	06/30/25	343,500	-	-	-	-	-	-	-	-	-	-	394,198
Total Water Pollution Control Enterprise Fund				170,669	166,319	161,969	157,381	152,794	98,206	-	-	-	-	8,273,901
SOLID WASTE INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
Advance Refund 6/15/2003 Transfer Station Improvements	04/18/12	09/15/22	241,500	-	-	-	-	-	-	-	-	-	-	70,185
Solid Waste Facility (I) \$630,000 Refunded	02/17/15	02/15/27	284,900	-	-	-	-	-	-	-	-	-	-	225,840
Total Solid Waste Fund				-	-	-	-	-	-	-	-	-	-	296,025
WATER SUPPLY INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
MWPAT DWS-09-02	07/08/10	07/15/30	2,788,911	-	-	-	-	-	-	-	-	-	-	1,861,028
DWP-11-10 Series 17A	05/22/13	01/15/33	560,761	34,754	34,812	-	-	-	-	-	-	-	-	448,367
Water Main Loop	02/17/15	02/15/35	540,000	22,400	21,800	21,200	20,600	-	-	-	-	-	-	477,788
Water Co. (Level Debt) (O) \$10,000,000 Refunded	02/17/15	02/15/27	5,704,800	-	-	-	-	-	-	-	-	-	-	4,843,820
DW-09-02 Series 16	05/14/15	07/15/32	533,117	35,637	35,689	-	-	-	-	-	-	-	-	460,178
DWP-11-09 Series 17A	05/14/15	01/15/33	793,438	53,553	53,643	-	-	-	-	-	-	-	-	690,912
Water Main Replacement (#2010-097)	02/25/16	06/30/21	380,000	-	-	-	-	-	-	-	-	-	-	78,000
Pipe Replacement Upgrade FY17 (#2015-085)	02/25/16	06/30/36	900,000	51,750	50,400	49,050	47,700	46,350	-	-	-	-	-	904,556
Paint/Repair Mary Dunn 2 (#2015-087)	02/25/16	06/30/21	615,000	-	-	-	-	-	-	-	-	-	-	124,800
Hyannis Water System Pipe Replacement (O) (#2016-093)	02/23/17	06/30/37	858,400	47,650	46,450	45,250	43,950	42,650	41,350	-	-	-	-	935,850
DWP-14-09 Mass Clean Water Trust (#2014-071, 2013-085, 2013-088)	04/13/17	07/15/37	1,467,339	90,366	90,505	90,647	90,791	90,939	91,091	-	-	-	-	1,529,980
Well Reactivation (O) (#2017-080)	02/27/18	06/30/38	276,000	17,463	17,013	11,563	11,263	10,963	10,650	10,325	-	-	-	323,775
Water Pipe Replacement (O) (#2017-081)	02/27/18	06/30/38	468,000	24,325	23,725	23,125	22,525	21,925	21,300	20,650	-	-	-	550,900
Mary Dunn Water Storage Tank Site Work (O) (#2017-083)	02/27/18	06/30/38	600,500	36,488	35,588	34,688	33,788	32,888	31,950	30,975	-	-	-	722,625
Water Carbon Filter Units (O) (#2017-079)	02/27/18	06/30/18	440,000	-	-	-	-	-	-	-	-	-	-	424,550
MCWT Series 21 DWP-16-17 (#2014-073, #2016-146, #, #2016-163, #2017-010)	09/12/18	07/15/38	2,939,657	178,958	179,191	179,430	179,673	179,922	180,177	180,436	180,702	-	-	3,392,974
Pipe Replacement Upgrade FY19 (#2018-081)	02/26/19	06/30/39	1,050,000	62,313	60,813	59,313	57,813	56,313	54,813	53,250	51,625	-	-	1,351,938
Carbon Treatment System Construction at Maher Wellfield (2017-099)	02/26/19	06/30/28	318,500	-	-	-	-	-	-	-	-	-	-	343,000
Well Exploration Program (2013-087)	02/26/19	06/30/28	489,500	-	-	-	-	-	-	-	-	-	-	525,250
MCWT Series 19 DWP-13-01 Reamortization	04/11/19	07/15/36	1,736,865	122,294	122,486	122,682	122,882	123,087	-	-	-	-	-	1,947,101
Water Pipe Replacement (#2019-135)	02/25/20	06/30/40	950,500	54,338	52,988	51,638	50,738	49,838	48,938	47,981	47,025	46,013	-	1,244,103
MCWT Series DWP 18-10 (2018-173) & (2017-099)	01/15/21	07/15/40	9,754,852	592,348	593,091	593,848	594,622	595,414	596,223	597,049	597,892	598,755	599,636	11,909,901
Total Water Enterprise Fund				1,424,634	1,418,191	1,282,432	1,276,344	1,250,287	1,076,491	940,666	877,245	644,767	599,636	35,091,395
MARINA INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
CTF Marina Bulkhead Repair I	06/14/11	06/15/30	725,000	-	-	-	-	-	-	-	-	-	-	440,313
Marina Bulkhead Repair II	06/14/11	06/15/30	525,000	-	-	-	-	-	-	-	-	-	-	392,038
Advance Refund 6/14/2004 Prince Cove Marina Acquisition	04/18/12	09/15/22	864,000	-	-	-	-	-	-	-	-	-	-	285,750
Gateway Marina Dredging (#2015-108)	02/25/16	06/30/26	280,000	-	-	-	-	-	-	-	-	-	-	181,600

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MARINA INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
Prince Cover Marina Bulkhead (#2015-109)	02/25/16	06/30/36	570,000	28,750	28,000	27,250	26,500	25,750	-	-	-	-	-	560,888
Hyannis Harbor Bulkhead (#2015-110)	02/25/16	06/30/21	158,000	-	-	-	-	-	-	-	-	-	-	31,200
Gateway Marina Maintenance Dredging (I) (#2016-109)	02/23/17	06/30/37	476,500	28,975	23,225	22,625	21,975	21,325	20,675	-	-	-	-	518,275
Total Marina Enterprise Fund				57,725	51,225	49,875	48,475	47,075	20,675					2,410,063
SANDY NECK INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
Sandy Neck Beach House II	06/14/11	06/15/26	81,000	-	-	-	-	-	-	-	-	-	-	40,000
Sandy Neck Beach House I	06/14/11	06/15/31	966,491	-	-	-	-	-	-	-	-	-	-	767,594
Sandy Neck Beach House III	06/14/11	06/15/31	217,509	-	-	-	-	-	-	-	-	-	-	163,381
Total Sandy Neck Enterprise Fund														970,975
HYCC INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
CTF HYCC 1 (I) \$1,000,000 Refunded	02/17/15	02/15/27	474,900	-	-	-	-	-	-	-	-	-	-	377,560
CTF HYCC 2 (I) \$8,000,000 Refunded	02/17/15	02/15/27	3,794,400	-	-	-	-	-	-	-	-	-	-	3,011,850
CTF HYCC 3 (I) \$1,600,000 Refunded	02/17/15	02/15/27	759,000	-	-	-	-	-	-	-	-	-	-	602,440
CTF HYCC 4 (I) \$6,765,000 Refunded	06/21/16	06/30/28	3,320,000	-	-	-	-	-	-	-	-	-	-	2,935,980
CTF HYCC Roof, HVAC, and Parking & Security (#2019-115)	02/25/20	06/30/40	679,000	41,725	40,675	39,625	38,925	33,225	32,625	31,988	31,350	30,675	-	887,590
Total HYCC Enterprise Fund				41,725	40,675	39,625	38,925	33,225	32,625	31,988	31,350	30,675		7,815,420
COMMUNITY PRESERVATION FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
Town Hall Renovations	06/16/10	06/15/30	1,332,520	-	-	-	-	-	-	-	-	-	-	784,225
Land Acquisition 1 Adv Ref 6/15/2002	06/14/11	06/15/22	7,065,000	-	-	-	-	-	-	-	-	-	-	1,150,720
Advance Refund 6/15/2003 Landbank Acquisitions	04/18/12	09/15/22	964,600	-	-	-	-	-	-	-	-	-	-	301,185
Advance Refund 6/15/2004 Landbank Acquisitions 3	04/18/12	09/15/22	5,385,600	-	-	-	-	-	-	-	-	-	-	1,788,650
Advance Refund 6/15/2004 Landbank Acquisitions 2	04/18/12	09/15/22	227,300	-	-	-	-	-	-	-	-	-	-	79,375
Land Acquisition - 2004-105 Bone Hill \$200k Refunded	02/17/15	02/15/25	90,850	-	-	-	-	-	-	-	-	-	-	50,400
Land Acquisition - 06-15-05 - 2004-106 \$180k Refunded	02/17/15	02/15/25	73,600	-	-	-	-	-	-	-	-	-	-	28,640
Land Acquisition - Hyannis Golf \$5,500,000 Refunded	02/17/15	02/15/25	2,496,300	-	-	-	-	-	-	-	-	-	-	1,387,720
Land Acquisition - Archibald \$500,000 Refunded	02/17/15	02/15/26	212,100	-	-	-	-	-	-	-	-	-	-	158,060
Total Community Preservation Fund														5,728,975
TITLE V FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
Title V - Phase I - 97-1131 Series 6-	07/25/02	08/01/20	197,403	-	-	-	-	-	-	-	-	-	-	10,468
Title V - Phase I - 97-1131 Series 6-	07/25/02	08/01/20	(subsidy)	-	-	-	-	-	-	-	-	-	-	(268)
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	190,580	-	-	-	-	-	-	-	-	-	-	32,670
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	(subsidy)	-	-	-	-	-	-	-	-	-	-	(2,290)
Title V - Phase III - Pool 11 T5-97-1131-2	10/31/05	07/15/25	200,000	-	-	-	-	-	-	-	-	-	-	60,000
Title V - Phase IV - Pool 11 T5-97-1131-3	10/31/05	07/15/25	200,000	-	-	-	-	-	-	-	-	-	-	60,000
Title V - Phase V - Pool 12 97-1131-4D	12/14/06	07/15/26	200,000	-	-	-	-	-	-	-	-	-	-	70,000
Total Title V														230,580
SEWER CONSTRUCTION & PRIVATE WAY MAINT. IMP. FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2032	Payments FY 2033	Payments FY 2034	Payments FY 2035	Payments FY 2036	Payments FY 2037	Payments FY 2038	Payments FY 2039	Payments FY 2040	Payments FY 2041	Balance
MWPAT CWS-09-07	07/08/10	07/15/30	3,285,646	-	-	-	-	-	-	-	-	-	-	2,192,497
Sewer CWS-09-07-A Series 16	05/14/15	07/15/32	4,592,367	306,986	307,438	-	-	-	-	-	-	-	-	3,964,064
310 Main Street, Barnstable (Centerville) Acquisition (#2020-025)	02/25/20	06/30/40	549,000	30,188	29,438	28,688	28,188	27,688	27,188	26,656	26,125	25,563	-	716,158
1456 Falmouth Road, Route 28, Barnstable (Centerville) Acquisition (#2020-026)	02/25/20	06/30/40	283,900	17,675	17,225	16,775	16,475	16,175	15,875	15,663	15,450	15,225	-	369,461
Total Sewer Construction & Private Way Maintenance and Improvement Fund				354,849	354,100	45,463	44,663	43,863	38,063	37,319	36,575	35,788		7,242,180
TOTAL ENTERPRISE FUND BOND OBLIGATIONS				2,216,989	2,198,698	1,743,201	1,724,950	1,686,731	1,380,710	1,025,948	960,657	711,230	599,636	73,614,851
GRAND TOTAL TOWN OF BARNSTABLE BOND OBLIGATIONS				4,402,558	4,272,417	3,686,720	3,309,007	2,970,625	2,195,441	1,698,629	1,335,182	946,405	599,636	129,818,551

DEBT POSITION ANALYSIS

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