

## 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 the Town departments in this year's CIP process represent a total of \$44,415,101 in requests for FY 2020, and a combined total of \$277,491,714 over a five-year period. Of the \$277 million, approximately \$83 million represents Enterprise Funds, \$159 million are General Fund requests and \$36 million are Comprehensive Water Management & Private Way Fund requests.

### Projects are distributed by fund as follows:

Fund	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Totals
Airport	\$ 3,860,000	\$ 4,350,000	\$ 1,730,000	\$ 18,335,000	\$ 5,775,000	\$ 34,050,000
Marina	-	-	\$ 5,047,250	-	-	\$ 5,047,250
Sandy Neck	\$ 60,000	\$ 800,000	\$ 200,000	-	\$ 2,650,000	\$ 3,710,000
HYCC	\$ 679,000	\$ 756,161	\$ 365,834	-	-	\$ 1,800,995
Golf	\$ 446,000	\$ 1,125,045	\$ 1,202,972	\$ 3,564,927	\$ 1,513,568	\$ 7,852,512
Water Pollution	\$ 7,334,000	\$ 5,479,000	\$ 2,330,000	\$ 1,720,000	\$ 738,000	\$ 17,601,000
Water Supply	\$ 1,545,000	\$ 3,805,500	\$ 1,286,000	\$ 3,250,000	\$ 1,288,000	\$ 11,174,500
Solid Waste	\$ 240,000	\$ 455,000	\$ 480,000	\$ 130,000	\$ 130,000	\$ 1,435,000
General Fund	\$ 27,354,101	\$ 38,150,663	\$ 35,083,946	\$ 35,373,594	\$ 22,934,153	\$ 158,896,457
Special Revenue	\$ 2,897,000	\$ 2,500,000	\$ 1,300,000	\$ 29,227,000	-	\$ 35,924,000
<b>Totals</b>	<b>\$ 44,415,101</b>	<b>\$ 57,421,369</b>	<b>\$ 49,026,002</b>	<b>\$ 91,600,521</b>	<b>\$ 35,028,721</b>	<b>\$ 277,491,714</b>

## Five Year Funding Plan

A total of 170 projects amounting to \$277 million were submitting for requests over the next 5 years. This includes General Fund, Special Revenue 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, each individual Enterprise Fund and the Comprehensive Water Management and Private Way 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 FY20 of \$10.2 million. This transfer will be part of the annual operating budget. This amount represents the minimum annual General Fund resources dedicated to the town's capital program.

A newer funding tool in the form of the Comprehensive Water Management and Private Way Improvement Fund was created in FY11. 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.

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 General Fund capital program.

The schedules on the following pages illustrate what a 5 year Capital Improvements Plan might look like. Most of the 58 projects that went through the evaluation processes in the development of this year's Capital Improvements Plan can be funded over the next 5 years. The projects listed under FY 2020 are recommended for funding in this year's plan while the outer years of 2021 to 2024 are shown for illustrative purposes. It is anticipated 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 \$197 million in capital projects. Enterprise Funds total \$83 million, the Comprehensive Water Management Fund totals \$36 million, and the General Fund totals \$80 million. This includes 118 projects; 68 for the Enterprise funds, 5 for the Comprehensive Water Management, and 45 General Fund.

Five Year Capital Improvements Plan for Enterprise Fund

LISTING OF CAPITAL IMPROVEMENT PROJECTS ENTERPRISE FUND			FIVE YEAR COSTS					PROJECT TOTALS
DEPT	PRIORITY	PROJECT TITLE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	2020-2024
BMA	1	Replace Aircraft Rescue and Fire Fighting (ARFF) Equipment - Airport Vehicle #816	220,000	-	-	-	-	220,000
BMA	2	Aircraft Rescue Fire Fighting (ARFF) Upgrades - Building Roof Repairs	490,000	-	-	-	-	490,000
BMA	3	Replace 1997 Snow Removal Equipment (SRE) (Kodiak Snow Blower) - Airport Vehicle #36	800,000	-	-	-	-	800,000
BMA	4	Replace Snow Removal Equipment (SRE) (Heavy Duty Vehicle with Plow and Sander) - Airport Vehicle #26	230,000	-	-	-	-	230,000
BMA	5	Main Terminal Ramp Hardstands for Heavy Aircraft Parking	280,000	-	-	-	-	280,000
BMA	6	Runway 15-33 - Apply P-608 Surface Treatment and Repaint	475,000	-	-	-	-	475,000
BMA	7	Repair & Extend Mary Dunn Way from Steamship Authority Parking Area to Gate Mike	1,000,000	-	-	-	-	1,000,000
BMA	8	Mitigation (PFOS Soils)	100,000	-	-	-	-	100,000
BMA	9	Replace Airfield Mowing Equipment - (New Holland Tractor) - Airport Vehicle #29	165,000	-	-	-	-	165,000
BMA	10	Replace Steel I-Beams in Airport Owned Hanger	100,000	-	-	-	-	100,000
BMA	11	Extend Mary Dunn Way from Gate Mike (Phase II)	-	3,000,000	-	-	-	3,000,000
BMA	12	MEPA, NEPA and Cape Cod Commission for Airport Master Plan Projects (AGIS)	-	925,000	-	-	-	925,000
BMA	13	Replace Airfield Mowing Equipment - (Kubota Zero Turn Mower) - Airport Vehicle #53	-	25,000	-	-	-	25,000
BMA	14	Terminal Upgrades - Baggage Belt Extension	-	400,000	-	-	-	400,000
BMA	15	Permitting for Airport Tree Clearing & Obstruction Removal and Airport Master Plan Update Projects	-	-	225,000	-	-	225,000
BMA	16	Construction for Airport Tree Clearing & Obstruction Removal (including fence line clearing)	-	-	300,000	-	-	300,000
BMA	17	Easements for Future Construction/Runway 15 Approach	-	-	300,000	-	-	300,000
BMA	18	Replace Snow Removal Equipment (SRE) (Chevy 2500 Heavy Duty) - Airport Vehicle #32	-	-	55,000	-	-	55,000
BMA	19	Replace Snow Removal Equipment (SRE) (ASV Skid Steer Plow for EMAS) - Airport Vehicle #38	-	-	100,000	-	-	100,000
BMA	20	Design and Construct New T-Hangar	-	-	750,000	-	-	750,000
BMA	21	Replace Runway 24 Departure End Safety Area Engineered Material Arresting System (EMAS)	-	-	-	5,000,000	-	5,000,000
BMA	22	Reconstruct RWY 6-24 (Approx. 4,700ft x 150ft.)	-	-	-	12,000,000	-	12,000,000
BMA	23	Replace Snow Removal Equipment (SRE) (Chevy 2500 Heavy Duty) - Airport Vehicle #27	-	-	-	55,000	-	55,000
BMA	24	Design and Replace Mo-Gas and Diesel Fuel Con-Vault, Gas Boy & Alarm	-	-	-	300,000	-	300,000
BMA	25	Design & Construct Snow Removal Equipment (SRE) Vehicle Storage Building	-	-	-	900,000	-	900,000
BMA	26	Replace SRE Equipment - (Ford F350) - Airport Vehicle #31	-	-	-	80,000	-	80,000
BMA	27	Replace Aircraft Rescue and Fire Fighting (ARFF) Equipment – Airport Vehicle #820	-	-	-	-	975,000	975,000
BMA	28	Reconstruct and Re-Align Taxiways Delta and Echo at Runway 15 (Includes Run-Up Pit)	-	-	-	-	4,500,000	4,500,000
BMA	29	Replace Snow Removal Equipment (SRE) (HD Vehicle with Plow and Sander) – Airport Vehicle #47	-	-	-	-	300,000	300,000
<b>TOTAL AIRPORT</b>			<b>\$ 3,860,000</b>	<b>\$ 4,350,000</b>	<b>\$ 1,730,000</b>	<b>\$ 18,335,000</b>	<b>\$ 5,775,000</b>	<b>\$ 34,050,000</b>
MAR	1	Bismore Park Bulkhead Improvements	-	-	5,047,250	-	-	5,047,250
<b>TOTAL MARINE &amp; ENVIRONMENTAL AFFAIRS MARINAS</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,047,250</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,047,250</b>

Five Year Capital Improvements Plan for Enterprise Fund (Continued)

LISTING OF CAPITAL IMPROVEMENT PROJECTS ENTERPRISE FUND			FIVE YEAR COSTS					PROJECT TOTALS
DEPT	PRIORITY	PROJECT TITLE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	2020-2024
SDY	1	Sandy Neck ORV Trail, and Gatehouse Relocation – Design and Permitting	60,000	800,000	-	-	-	860,000
SDY	2	Sandy Neck Parking Lot Relocation	-	-	200,000	-	2,650,000	2,850,000
<b>TOTAL MARINE &amp; ENVIRONMENTAL AFFAIRS SANDY NECK</b>			<b>\$ 60,000</b>	<b>\$ 800,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 2,650,000</b>	<b>\$ 3,710,000</b>
HYCC	1	Hyannis Youth and Community Center Roof Replacement	528,333	-	756,000	-	366,000	1,650,333
HYCC	2	Hyannis Youth and Community Center Security Improvements	151,000	-	-	-	-	151,000
<b>TOTAL COMMUNITY SERVICES HYCC</b>			<b>\$ 679,333</b>	<b>\$ -</b>	<b>\$ 756,000</b>	<b>\$ -</b>	<b>\$ 366,000</b>	<b>\$ 1,801,333</b>
GOLF	1	Hyannis Golf Course Restoration Project: Phase 1 - Cart Path System Replacement	446,000	664,735	452,972	2,364,927	-	3,928,634
GOLF	2	Hyannis Golf Course - Improvements	-	180,310	500,000	400,000	-	1,080,310
GOLF	3	Old Barnstable Fairgrounds Golf Club Facility Improvements.	-	280,000	250,000	800,000	1,513,568	2,843,568
<b>TOTAL COMMUNITY SERVICES GOLF</b>			<b>\$ 446,000</b>	<b>\$ 1,125,045</b>	<b>\$ 1,202,972</b>	<b>\$ 3,564,927</b>	<b>\$ 1,513,568</b>	<b>\$ 7,852,512</b>
WPC	1	Effluent Flow Meter Evaluation, Design, and Construction	600,000	-	-	-	-	600,000
WPC	2	Sewer System Evaluation Surveys (SSES)	380,000	-	250,000	250,000	250,000	1,130,000
WPC	3	Pump Station Rehabilitation Program: Rendezvous Lane Pump Station Replacement	1,160,000	1,000,000	1,000,000	1,000,000	-	4,160,000
WPC	4	Bearse's Way Vacuum Sewer Replacement	1,125,000	-	-	-	-	1,125,000
WPC	5	South Street Sewer Rehabilitation	4,019,000	-	-	-	488,000	4,507,000
WPC	6	Vehicle Replacement: Laboratory Van	50,000	-	-	-	-	50,000
WPC	7	Solids Handling Upgrades Construction	-	3,500,000	-	-	-	3,500,000
WPC	8	Denitrification Sand Filter Replacement	-	75,000	-	-	-	75,000
WPC	9	Truck Replacement	-	55,000	-	-	-	55,000
WPC	10	Sewer CCTV Camera Trailer	-	125,000	-	-	-	125,000
WPC	11	Equipment Storage Garage Construction	-	724,000	-	-	-	724,000
WPC	12	WPC Facility Upgrade Study	-	-	150,000	-	-	150,000
WPC	13	Truck 247 Replacement	-	-	75,000	-	-	75,000
WPC	14	Barnstable Road Sewer Rehabilitation Construction	-	-	855,000	-	-	855,000
WPC	15	MSB Generator Design and Construction	-	-	-	470,000	-	470,000
<b>TOTAL PUBLIC WORKS WATER POLLUTION CONTROL</b>			<b>\$ 7,334,000</b>	<b>\$ 5,479,000</b>	<b>\$ 2,330,000</b>	<b>\$ 1,720,000</b>	<b>\$ 738,000</b>	<b>\$ 17,601,000</b>
WS	1	Pipe Replacement and Upgrade Program	1,050,000	1,050,000	1,050,000	1,050,000	1,050,000	5,250,000
WS	2	Wells, Pump Stations, Treatment Plant Repair & Upgrade Program	200,000	200,000	200,000	200,000	200,000	1,000,000
WS	3	Valve Maintenance Trailer System	75,000	-	-	-	-	75,000
WS	4	Airport & Mary Dunn Wells, Treatment Options Evaluation, Recommendations and Preliminary Design Report	120,000	-	-	-	-	120,000
WS	5	Hyannisport Wells (Straightway & Simmons Pond) Treatment Options Evaluation & Design	100,000	-	-	-	-	100,000
WS	6	New Well Exploration Program	-	2,555,500	36,000	2,000,000	38,000	4,629,500
<b>TOTAL PUBLIC WORKS WATER SUPPLY</b>			<b>\$ 1,545,000</b>	<b>\$ 3,805,500</b>	<b>\$ 1,286,000</b>	<b>\$ 3,250,000</b>	<b>\$ 1,288,000</b>	<b>\$ 11,174,500</b>

Five Year Capital Improvements Plan for Enterprise Fund (Continued)

LISTING OF CAPITAL IMPROVEMENT PROJECTS ENTERPRISE FUND			FIVE YEAR COSTS					PROJECT TOTALS
DEPT	PRIORITY	PROJECT TITLE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	2020-2024
SW	1	Compactor Replacement (2 Units)	-	100,000	100,000	100,000	100,000	400,000
SW	2	Container Replacement	-	30,000	30,000	30,000	30,000	120,000
SW	3	All-Terrain Litter Vacuum Replacement	50,000	-	-	-	-	50,000
SW	4	Roll Off Trailer Replacement	100,000	-	-	-	-	100,000
SW	5	Zero Turn Mower with Bagger	-	25,000	-	-	-	25,000
SW	6	Kubota RTV Replacement	30,000	-	-	-	-	30,000
SW	7	Generator Replacement	-	-	100,000	-	-	100,000
SW	8	Municipal Packer Replacement	-	300,000	-	-	-	300,000
SW	9	Roll Off Truck Replacement	-	-	250,000	-	-	250,000
SW	10	Repair and Upgrade (5) MSW Compactor Units	60,000	-	-	-	-	60,000
<b>TOTAL PUBLIC WORKS SOLID WASTE</b>			<b>\$ 240,000</b>	<b>\$ 455,000</b>	<b>\$ 480,000</b>	<b>\$ 130,000</b>	<b>\$ 130,000</b>	<b>\$ 1,435,000</b>
<b>TOTAL ENTERPRISE FUNDS</b>			<b>\$14,164,333</b>	<b>\$16,014,545</b>	<b>\$13,032,222</b>	<b>\$26,999,927</b>	<b>\$12,460,568</b>	<b>\$ 82,671,595</b>

Five Year Capital Improvements Plan for Comprehensive Water Management And Privatway Improvement Fund

LISTING OF CAPITAL IMPROVEMENT PROJECTS WATER MANAGEMENT AND PRIVATE WAY IMPROVEMENTS FUND			FIVE YEAR COSTS					PROJECT TOTALS
DEPT	PRIORITY	PROJECT TITLE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	2020-2024
DPW	1	Attucks Lane Pumps Station Area, Sewer Expansion	-	2,500,000	-	-	-	2,500,000
DPW	2	Marstons Mills School Pump Station and associated RT 28 Collection System Preliminary Design	612,000	-	1,300,000	-	-	1,912,000
DPW	3	Long Pond Area Sewer Expansion	938,000	-	-	16,386,000	-	17,324,000
DPW	4	Marstons Mills River Treatment System	612,000	TBD	TBD	TBD	TBD	612,000
DPW	5	Phinney's Lane Sewer Expansion	735,000	-	-	12,841,000	-	13,576,000
<b>WATER MANAGEMENT AND PRIVATE WAY IMPROVEMENTS FUND</b>			<b>\$ 2,897,000</b>	<b>\$ 2,500,000</b>	<b>\$ 1,300,000</b>	<b>\$29,227,000</b>	<b>\$ -</b>	<b>\$ 35,924,000</b>

Five Year Capital Improvements Plan for General Fund

LISTING OF CAPITAL IMPROVEMENT PROJECTS GENERAL FUND			FIVE YEAR COSTS					PROJECT TOTALS
DEPT	PRIORITY	PROJECT TITLE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	2020-2024
BPD	1	Barnstable Police Department Improvements/Replacement	-	-	854,000	1,175,000	991,000	3,020,000
		<b>TOTAL POLICE DEPARTMENT</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 854,000</b>	<b>\$ 1,175,000</b>	<b>\$ 991,000</b>	<b>\$ 3,020,000</b>
ADM	1	Unified Communications – VOIP (Voice over Internet Protocol)	-	-	-	215,000	149,000	364,000
ADM	2	Aerial Flyover & Mapping Update (Geographic Information Survey)	100,000	100,000	-	-	-	200,000
ADM	3	Summer Aerial Flyover of Waterways	50,000	-	-	-	-	50,000
		<b>TOTAL ADMINISTRATION DEPARTMENT</b>	<b>\$ 150,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 215,000</b>	<b>\$ 149,000</b>	<b>\$ 614,000</b>
MEA	1	Channel Dredging Program	2,012,000	1,500,000	2,000,000	1,500,000	1,500,000	8,512,000
MEA	2	Blish Point Construction for Long Term Solution	-	200,000	-	1,600,000	-	1,800,000
MEA	3	MEA Interior Project Phase III	-	192,000	-	-	-	192,000
MEA	7	Scudder’s Lane Boat Ramp Design & Construction	-	-	150,000	-	650,000	800,000
MEA	8	Bay Shore Road Boat Ramp-Design and Construction	-	-	-	150,000	600,000	750,000
MEA	11	Bridge Street Pier	125,000	-	-	-	-	125,000
MEA	12	Cotuit Town Dock Extension	75,000	-	-	-	-	75,000
		<b>TOTAL MARINE &amp; ENVIRONMENTAL AFFAIRS DEPARTMENT</b>	<b>\$ 2,212,000</b>	<b>\$ 1,892,000</b>	<b>\$ 2,150,000</b>	<b>\$ 3,250,000</b>	<b>\$ 2,750,000</b>	<b>\$ 12,254,000</b>
CSD	1	Beach House Improvements	255,000	-	492,000	-	-	747,000
CSD	4	Beach Parking Lot Rehabilitation - Covell’s Beach	-	-	-	250,000	-	250,000
CSD	5	Beach Parking Lot Rehabilitation - Craigville Beach	160,000	-	-	-	-	160,000
CSD	6	Beach Parking Lot Rehabilitation - Keyes Beach	-	-	-	150,000	-	150,000
CSD	7	Osterville Recreation Building & Fields Construction	797,000	-	-	7,612,061	-	8,409,061
CSD	9	Marstons Mills Tennis Court Improvements	620,000	-	-	-	-	620,000
CSD	12	Hamblin Pond Bathhouse and Site Improvements	-	-	1,000,000	-	-	1,000,000
CSD	13	Hathaway’s Pond Bathhouse and Site Improvements	-	-	-	-	1,000,000	1,000,000
		<b>TOTAL COMMUNITY SERVICES DEPARTMENT</b>	<b>\$ 1,832,000</b>	<b>\$ -</b>	<b>\$ 1,492,000</b>	<b>\$ 8,012,061</b>	<b>\$ 1,000,000</b>	<b>\$ 12,336,061</b>
DPW	1	Public Roads Maintenance	3,450,000	3,550,000	3,650,000	3,750,000	3,850,000	18,250,000
DPW	2	Roadway and Sewer Improvements of Yarmouth Road and Route 28	TBD	-	-	-	-	-
DPW	3	Public Bridge Improvements	500,000	-	-	-	-	500,000
DPW	4	Bearse’s Way Bike Path Construction	125,000	-	-	-	-	125,000
DPW	5	Bumps River Bridge Repairs	900,000	-	-	-	-	900,000
DPW	6	Crosswalk Improvements	300,000	-	-	-	-	300,000
DPW	7	Sidewalk Overlay and Guardrail	314,000	-	364,000	-	401,000	1,079,000
DPW	9	School Administration Building Mechanical Cooling	996,000	1,065,000	730,000	-	-	2,791,000
DPW	10	Town Hall Security Improvements	480,000	250,000	-	-	-	730,000
DPW	11	Town Hall Site Improvements - Parking Lot	-	130,000	850,000	-	-	980,000
DPW	12	MS4 Municipal Separate Storm Sewer System Program	150,000	150,000	150,000	150,000	100,000	700,000
DPW	24	DPW Offices Phase III Construction	-	987,000	-	-	-	987,000
DPW	27	Marstons Mills School Demolition	-	995,000	-	-	-	995,000
DPW	30	Sidewalks on Ocean Street from Gosnold Street to Kalmus Beach	-	665,000	-	-	-	665,000

Five Year Capital Improvements Plan for General Fund (Continued)

LISTING OF CAPITAL IMPROVEMENT PROJECTS GENERAL FUND			FIVE YEAR COSTS					PROJECT TOTALS
DEPT	PRIORITY	PROJECT TITLE	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	2020-2024
DPW	37	Commerce Road Improvements	-	300,000	-	3,000,000	-	3,300,000
DPW	41	Main Street Tree Lighting Project	114,000	-	-	-	-	114,000
<b>TOTAL PUBLIC WORKS DEPARTMENT</b>			<b>\$ 7,329,000</b>	<b>\$ 8,092,000</b>	<b>\$ 5,744,000</b>	<b>\$ 6,900,000</b>	<b>\$ 4,351,000</b>	<b>\$ 32,416,000</b>
SCH	1	Barnstable High School Sports Fields Engineering and Upgrades: Phases 2 and 3	250,000	3,617,000	-	2,950,000	-	6,817,000
SCH	2	Districtwide Communication, Video Surveillance, and Entry Improvements	500,000	500,000	-	-	-	1,000,000
SCH	3	Barnstable High School (BHS) Synthetic Turf Replacement	1,000,000	-	-	-	-	1,000,000
SCH	4	Campus Wide Mechanical Upgrades ( Burners, Boilers, HVAC & Pump Systems )	250,000	-	250,000	-	250,000	750,000
SCH	5	Barnstable High School (BHS) & Barnstable Intermediate School (BIS) Roof Top Unit Ventilator Replacement	1,500,000	1,250,000	1,250,000	1,250,000	1,250,000	6,500,000
SCH	6	Centerville Elementary School Unit Ventilator Upgrades: Phase 4	500,000	-	-	-	-	500,000
SCH	7	Comprehensive Facilities Assessment	150,000	-	-	-	-	150,000
SCH	9	Hyannis West Elementary Roof Replacement	450,000	-	-	-	-	450,000
SCH	10	Centerville Elementary Roof Replacement	250,000	-	-	-	-	250,000
SCH	11	Barnstable High School Environmental Lab	1,000,000	-	-	-	-	1,000,000
<b>TOTAL SCHOOL DEPARTMENT</b>			<b>\$ 5,850,000</b>	<b>\$ 5,367,000</b>	<b>\$ 1,500,000</b>	<b>\$ 4,200,000</b>	<b>\$ 1,500,000</b>	<b>\$ 18,417,000</b>
<b>TOTAL GENERAL FUND</b>			<b>\$17,373,000</b>	<b>\$15,451,000</b>	<b>\$11,740,000</b>	<b>\$23,752,061</b>	<b>\$10,741,000</b>	<b>\$ 79,057,061</b>
<b>TOTAL CAPITAL IMPROVEMENTS PROGRAM PROJECT COSTS</b>			<b>\$34,434,333</b>	<b>\$33,965,545</b>	<b>\$26,072,222</b>	<b>\$79,978,988</b>	<b>\$23,201,568</b>	<b>\$197,652,656</b>

# FY20 Capital Improvements Plan Budget

## Recommended Projects for Fiscal Year 2020

Several factors were taken into consideration when determining which projects to recommend for funding in Fiscal Year 2020. In addition to the scoring by the senior staff, specific considerations went to projects that had received previous funding, and therefore, are ready for the next stage of development. Other considerations include projects that would contribute to the economic development of the Town; projects that would preserve important infrastructure components of the Town; projects that improve high usage assets; projects that have outside funding available to offset the costs or can be covered by user fees; and projects that have an important public safety component associated with them.

The recommended projects total \$34,402,000. The General Fund totals \$17,320,000, the Comprehensive Water Management and Private Way Fund totals \$3,647,000, and the Enterprise Funds total \$13,435,000. Funding for the General Fund portion of the program consists of \$3,925,000 in Capital Trust Fund (CTF) reserves, \$12,303,000 in new borrowing authorizations, \$264,000 from General Fund savings and \$828,000 in transfers from closed appropriations.

Funding for the Enterprise Fund programs consists of using \$1,794,750 of Enterprise Fund reserves, \$9,148,000 in new borrowing authorizations, \$32,000 in transfers from closed appropriations and \$2,460,250 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. The bonds issued for the Enterprise Fund projects are expected to be paid back with Enterprise Fund revenues.

### Enterprise Funds:

Project Name and Council Order Number	Funding Source				Total
	Enterprise Fund Reserves	Transfers	Grants	Bond Issue	
<b>AIRPORT:</b>					
ARFF Equipment Replacement <b>2019-103</b>	\$11,000	-	\$209,000	-	\$220,000
<b>Budget Impact:</b> Any savings derived by new equipment would be available to maintain remainder of deteriorating ARFF vehicles.					
ARFF Roof Upgrades <b>2019-104</b>	\$24,500	-	\$465,500	-	\$490,000
<b>Budget Impact:</b> None, once fixed, existing staff will be used to maintain facilities.					
Snow Removal Equipment Replacement <b>2019-105</b>	\$40,000	-	\$760,000	-	\$800,000
<b>Budget Impact:</b> Any savings derived from new equipment would be available to maintain remainder of deteriorating SRE vehicles.					
Snow Removal Equipment Replacement <b>2019-106</b>	\$11,500	-	\$218,500	-	\$230,000
<b>Budget Impact:</b> This request is to replacement a vehicle, mission remains the same.					



Enterprise Funds Continued:

Project Name and Council Order Number	Funding Source				
	Enterprise Fund Reserves	Transfers	Grants	Bond Issue	Total
Main Terminal Ramp Hardstands for Heavy Aircraft Parking <b>2019-107</b> <b>Budget Impact:</b> None, once fixed, routine maintenance will stay the same.	\$56,000	-	\$224,000	-	\$280,000
Surface Treatment & Repaint Runway 15-33 <b>2019-108</b> <b>Budget Impact:</b> Routine maintenance would stay the same.	\$23,750	-	\$451,250	-	\$475,000
Repair & Extend Mary Dunn Way <b>2019-109</b> <b>Budget Impact:</b> None, once constructed, existing staff will maintain facilities.	-	-	-	\$1,000,000	\$1,000,000
Mitigation (PFOS Soils) <b>2019-110</b> <b>Budget Impact:</b> None	\$100,000	-	-	-	\$100,000
Airfield Mowing Equipment Replacement <b>2019-111</b> <b>Budget Impact:</b> None, once purchase, routine maintenance to stay the same.	\$33,000	-	\$132,000	-	\$165,000
Replace Steel I-Beams in Airport Owned Hanger <b>2019-112</b> <b>Budget Impact:</b> Once purchase, existing staff will maintain facilities.	\$100,000	-	-	-	\$100,000
<b>Total Airport Enterprise Fund</b>	<b>\$399,750</b>	<b>\$ -</b>	<b>\$2,460,250</b>	<b>\$1,000,000</b>	<b>\$3,860,000</b>
<b>GOLF:</b>					
HGC Cart Path System Replacement <b>2019-118</b> <b>Budget Impact:</b> As the facility is renovated over time, potential customers will find it much more appealing and conducive for their banquet functions, and thus enticing large golf outings. The lessee will be able to reach revenue thresholds triggering additional monies to the golf division. The golf course will attract more large golf tournaments and outings, which will also increase revenues.	-	\$32,000	-	\$414,000	\$446,000
<b>Total Golf Course Enterprise Fund</b>	<b>\$ -</b>	<b>\$32,000</b>	<b>\$ -</b>	<b>\$414,000</b>	<b>\$446,000</b>
<b>SANDY NECK:</b>					
ORV Trail, and Gatehouse Relocation – Design and Permitting <b>2019-120</b> <b>Budget Impact:</b> New infrastructure in locations that are more protected from tidal and flood damage is expected to reduce maintenance costs.	\$60,000	-	-	-	\$60,000
<b>Total Sandy Neck Enterprise Fund</b>	<b>\$60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$60,000</b>
<b>WATER POLLUTION CONTROL:</b>					
Effluent Flow Meter Evaluation, Design, and Construction <b>2019-130</b> <b>Budget Impact:</b> The installed meter will not require an increase-operating budget.	\$600,000	-	-	-	\$600,000

Enterprise Funds Continued:

Project Name and Council Order Number	Funding Source				
	Enterprise Fund Reserves	Transfers	Grants	Bond Issue	Total
Sewer System Evaluation Surveys (SSES) <b>2019-131</b>	-	-	-	\$380,000	\$380,000
<b>Budget Impact:</b> This project will identify future needs and will have no immediate impact on the operating budget.					
Pump Station Rehabilitation Program <b>2019-132</b>	-	-	-	\$1,160,000	\$1,160,000
<b>Budget Impact:</b> Normal levels of preventative maintenance would continue with the newly constructed pump station. A reduction in reactive maintenance is expected, however additional preventative maintenance for the on-site generator would be required. No impact on the WPCD operating budget is anticipated.					
Bearse's Way Vacuum Sewer Replacement <b>2019-133</b>	-	-	-	\$1,125,000	\$1,125,000
<b>Budget Impact:</b> It is estimated that this project would result in savings in staff overtime (\$5,000/year) and in sewer maintenance (\$5,000/year). This project will also free up person-hours that can be reallocated to other maintenance activities.					
South Street Sewer Rehabilitation <b>2019-134</b>	-	-	-	\$4,019,000	\$4,019,000
<b>Budget Impact:</b> Normal levels of preventative maintenance would continue with no impact on operating budget or staffing.					
<b>Total Water Pollution Control Enterprise Fund</b>	<b>\$600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$6,684,000</b>	<b>\$7,284,000</b>
<b>WATER SUPPLY:</b>					
Pipe Replacement and Upgrade Program <b>2019-135</b>	-	-	-	\$1,050,000	\$1,050,000
<b>Budget Impact:</b> The upgrades will be to the existing distribution piping which are already maintained by the Public Works. 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 capitolly funded position).					
Wells, Pump Stations, Treatment Plant Repair & Upgrade Program <b>2019-136</b>	\$200,000	-	-	-	\$200,000
<b>Budget Impact:</b> The upgrades will be to the existing well buildings, treatment, and other facilities, which are currently maintained by the Public Works. Some operating budget savings may be realized by replacing existing equipment with more energy efficient equipment, and a reduction in maintenance cost.					
Valve Maintenance Trailer System <b>2019-137</b>	\$75,000	-	-	-	\$75,000
<b>Budget Impact:</b> The project is a planning project. It has nothing to do with the operating budget.					
Wells Treatment Options Evaluation <b>2019-138</b>	\$220,000	-	-	-	\$220,000
<b>Budget Impact:</b> The project is a planning project. It has nothing to do with the operating budget.					
<b>Total Water Supply Enterprise Fund</b>	<b>\$495,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$1,050,000</b>	<b>\$1,545,000</b>

Enterprise Funds Continued:

Project Name and Council Order Number	Funding Source				
	Enterprise Fund Reserves	Transfers	Grants	Bond Issue	Total
Upgrade 5 Compactor Units <b>2019-139</b>	\$60,000	-	-	-	\$60,000
<b>Budget Impact:</b> Repair and upgrade of five (5) Municipal Solid Waste compactor units.					
Equipment Replacement (All-Terrain Litter Vacuum & Kabota RTV) <b>2019-140</b>	\$80,000	-	-	-	\$80,000
<b>Budget Impact:</b> Normal levels of operation would continue with no impact on staffing or operating budget.					
Roll Off Container Trailer Replacement <b>2019-141</b>	\$100,000	-	-	-	\$100,000
<b>Budget Impact:</b> Either additional funding to the operating budget or use of Solid Waste cash reserves will be required. The purchase of any new equipment for Solid Waste will have an impact of user fees.					
<b>Total Solid Waste Enterprise Fund</b>	<b>\$240,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$240,000</b>
<b>Total All Enterprise Funds</b>	<b>\$1,194,750</b>	<b>\$32,000</b>	<b>\$2,460,250</b>	<b>\$9,748,000</b>	<b>\$13,435,000</b>

General Fund:

Project Name and Council Order Number	Funding Source				
	Capital Trust Fund Reserves	General Fund Savings	Bond Issue	Transfers	Total
<b>INFRASTRUCTURE:</b>					
Aerial Flyover & Mapping Update <b>2019-113</b>	\$100,000	-	-	-	\$100,000
<b>Budget Impact:</b> All work will be completed by an outside contractor and funded through the capital request. There will be no impact on the operating budget other than the overhead associated with existing town staff managing the project (project management & QA/QC). No additional salary or other operating costs will be incurred by this project and there will be no additional ongoing maintenance costs.					
Summer Aerial Flyover of Waterways <b>2019-114</b>	\$50,000	-	-	-	\$50,000
<b>Budget Impact:</b> All work will be completed by an outside contractor and funded through the capital request. There will be no impact on the operating budget other than the overhead associated with existing town staff managing the project (project management & QA/QC). No additional salary or other operating costs will be incurred by this project and there will be no additional ongoing maintenance costs.					
Public Roads Maintenance <b>2019-121</b>	\$3,450,000	-	-	-	\$3,450,000
<b>Budget Impact:</b> 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.					

General Fund Continued:

Project Name and Council Order Number	Funding Source				
	Capital Trust Fund Reserves	General Fund Savings	Bond Issue	Transfers	Total
Public Bridge Improvements and Repairs <b>2019-122</b> <b>Budget Impact:</b> None anticipated. Repairs will extend the useful life of the bridges and will not increase their operating budgets.	-	-	\$500,000	-	\$500,000
Bearse’s Way Bike Path Construction <b>2019-123</b> <b>Budget Impact:</b> This project will increase the Town’s sidewalk maintenance costs by an estimated \$3,300 per year for snow clearing, sweeping, brush clearing, and pavement maintenance and repairs.	\$125,000	-	-	-	\$125,000
Bumps River Bridge Repairs <b>2019-124</b> <b>Budget Impact:</b> None, repairs is anticipated to extend the useful life of the bridge by 10 to 25 years.	-	-	\$900,000	-	\$900,000
Sidewalk Overlay and Guardrail <b>2019- 125</b> <b>Budget Impact:</b> This is existing infrastructure, which is already being maintained. This work should decrease the need for expenditure in the short term.	-	-	\$314,000	-	\$314,000
Main Street Tree Lighting Project <b>2019-126</b> <b>Budget Impact:</b> Any savings will be offset by new costs.	-	\$114,000	-	-	\$114,000
Municipal Separate Storm Sewer System Program <b>2019-127</b> <b>Budget Impact:</b> Additional locations for catch basin cleanings and street sweepers would be identified as part of this permit. The current O&M budget would be increased by \$40,000 per year.	-	-	-	\$150,000	\$150,000
Crosswalk Improvements <b>2019-128</b> <b>Budget Impact:</b> N/A	-	-	\$300,000	-	\$300,000
Commerce Rd. Improvements <b>2019-147</b> <b>Budget Impact:</b> TBD	-	-	\$300,000	-	\$300,000
<b>Total Infrastructure</b>	<b>\$3,725,000</b>	<b>\$114,000</b>	<b>\$2,314,000</b>	<b>\$150,000</b>	<b>\$6,303,000</b>
<b>MUNICIPAL FACILITIES:</b>					
Improvements to HYCC Flat Roof, HVAC Controls, Parking & Security <b>2019-115</b> <b>Budget Impact:</b> Some efficiency savings once HVAC controls are installed. This work will replace systems already in place.	-	-	\$679,000	-	\$679,000
Craigville Beach House Improvements & Parking Lot Overlay <b>2019-116</b> <b>Budget Impact:</b> With new construction technology, we will realize continued savings in energy and maintenance costs. New infrastructure is expected to reduce maintenance costs.	-	-	\$415,000	-	\$415,000
Town Hall Security Improvements <b>2019-129</b> <b>Budget Impact:</b> This will not be clear until the study is complete, and the Town implementation has selected recommendations.	-	-	\$480,000	-	\$480,000

General Fund Continued:

Project Name and Council Order Number	Funding Source				
	Capital Trust Fund Reserves	General Fund Savings	Bond Issue	Transfers	Total
Marstons Mills Tennis Courts <b>2019-117</b>	-	-	\$620,000	-	\$620,000
<b>Budget Impact:</b> These tennis courts will incur \$3,000 in yearly maintenance of cost.					
Bridge Street Pier <b>2019-149</b>	\$125,000	-	-	-	\$125,000
<b>Budget Impact:</b> N/A					
Cotuit Town Dock Extension <b>2019-150</b>	\$75,000	-	-	-	\$75,000
<b>Budget Impact:</b> N/A					
Osterville Field Construction and Site Improvements <b>2019-146</b>	-	-	\$797,000	-	\$797,000
<b>Budget Impact:</b> N/A					
School Administration Building Improvements <b>2019-148</b>	-	-	\$996,000	-	\$996,000
<b>Budget Impact:</b> This project will Improve energy efficiency for lighting and HVAC.					
<b>Total Municipal Facilities</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$3,987,000</b>	<b>\$ -</b>	<b>\$4,187,000</b>
<b>WATERWAYS:</b>					
Channel Dredging Program <b>2019-119</b>	-	-	\$980,000	-	\$980,000
<b>Budget Impact:</b> 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.					
<b>Total Waterways</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$980,000</b>	<b>\$ -</b>	<b>\$980,000</b>
<b>SCHOOL FACILITIES:</b>					
BHS Sports Fields Engineering and Upgrades: Phases 2 and 3 <b>2019-093</b>	-	-	\$250,000	-	\$250,000
<b>Budget Impact:</b> Revenue projections for new field rentals outside of school activities are initially estimated at \$20,000 for the first year and \$50,000 per subsequent year. Field maintenance post-project may require two full time positions and new equipment.					
Districtwide Communication, Video Surveillance & Entry Improvements <b>2019-094</b>	-	-	\$500,000	-	\$500,000
<b>Budget Impact:</b> N/A					
BHS Synthetic Turf Replacement <b>2019-095</b>	-	-	\$1,000,000	-	\$1,000,000
<b>Budget Impact:</b> N/A					

General Fund Continued:

Project Name and Council Order Number	Funding Source				
	Capital Trust Fund Reserves	General Fund Savings	Bond Issue	Transfers	Total
Campus Wide Mechanical Upgrades <b>2019-096</b> <b>Budget Impact:</b> Mechanical upgrades would have a positive impact on operating expenses by upgrading 30-year-old units with high efficiency equipment. All boiler upgrades qualify for Massachusetts School Building Authority (MSBA) assistance and could qualify for up to 35% rebate.	-	-	\$250,000	-	\$250,000
Barnstable High School Environmental Lab <b>2019-097</b> <b>Budget Impact:</b> N/A	-	-	\$322,000	\$678,000	\$1,000,000
BHS & BIS Roof Top Unit Ventilator Replacement <b>2019-098</b> <b>Budget Impact:</b> Can expect a minimum of 10% energy savings attributable to motor, verified frequency device (VFD) and control upgrades, and minimum annual maintenance savings cost of \$10,000. We will apply for any applicable utility rebates and incentives.	-	-	\$1,500,000	-	\$1,500,000
Centerville Elementary School Unit Ventilator Upgrades: Phase 4 <b>2019-099</b> <b>Budget Impact:</b> Can expect 10 - 15% savings on energy costs.	-	-	\$500,000	-	\$500,000
Comprehensive Facilities Assessment <b>2019-100</b> <b>Budget Impact:</b> N/A	-	\$150,000	-	-	\$150,000
Hyannis West Elementary Roof Replacement <b>2019-101</b> <b>Budget Impact:</b> N/A	-	-	\$450,000	-	\$450,000
Centerville Elementary Roof Replacement <b>2019-102</b> <b>Budget Impact:</b> N/A	-	-	\$250,000	-	\$250,000
<b>Total School Facilities</b>	\$ -	\$150,000	\$4,950,000	\$750,000	\$5,850,000
<b>Grand Totals</b>	<b>\$3,925,000</b>	<b>\$264,000</b>	<b>\$12,303,000</b>	<b>\$828,000</b>	<b>\$17,320,000</b>

Comprehensive Water Management And Private Way Improvements Fund:

Project Name and Council Order Number	Funding Source				
	Fund Reserves	Bond Issue	Transfers	Grants	Total
Channel Dredging Program <b>2019-119</b> <b>Budget Impact:</b> 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.	\$750,000	-	-	-	\$750,000
MM School Pump Station & 28 Collection System Preliminary Design <b>2019-142</b> <b>Budget Impact:</b> In eliminating the MMWWTP and replacing it with two pump stations delivering sewage to the Hyannis WPCF, there would be a \$35,700 reduction in operating costs. However, there would also be a corresponding reduction in revenue of \$37,800 due to those ratepayers currently connected to the MMWWTP paying the WPCF rates vs. the MMWWTP rates (this does not account for additional revenue of new ratepayers in that area or along RT 28). The overall change would have a negligible impact on the WPCD’s bottom line.	\$612,000	-	-	-	\$612,000
Long Pond Area Sewer Expansion <b>2019-143</b> <b>Budget Impact:</b> 1.3 FTE, Grade 8 Operator.	\$938,000	-	-	-	\$938,000
Marstons Mills River Treatment System <b>2019-144</b> <b>Budget Impact:</b> Once dredged, it is not expected that the Town would incur any additional regular maintenance items.	\$612,000	-	-	-	\$612,000
Phinney’s Lane Sewer Expansion <b>2019-145</b> <b>Budget Impact:</b> 0.71 FTE, Grade 8 Operator.	\$735,000	-	-	-	\$735,000
<b>Total Special Revenue Fund</b>	<b>\$3,647,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$3,647,000</b>

## 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 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 20-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 FY20 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 debt service could pay for a bond issue of approximately \$8 million in interest with an amortization 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 the capital expenditure. 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 \$10.5 million in FY20. 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 FY20 proposed Capital Improvements Program (CIP). Table B illustrates the CIP Five-Year Plan within the CTF over the next 10-years.



Major Assumptions Used In Table A:

- Investment earnings will average 1.1% per year;
- The base transfer from the General Fund will increase 2.5% per year; plus additional \$200,000 for new growth;
- Loan amortization on the FY20 bond issues will include:
  - \$864,000 over 5-years;
  - \$3,927,000 over 10-years;
  - \$900,000 over 15-years; and
  - \$4,729,000 over 20-years.
- The net interest cost on the bonds are estimated to be 4%;
- The FY20 bonds will be issued at a time so that the first loan payments will not be made until FY21;
- 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 \$3.5 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 FY21 through FY29 capital programs with the following amortization amounts:

FY21: Total Bond Issue \$13,989,000

- \$1,050,000 annually over 5-years
- \$2,245,000 annually over 10-years
- \$5,577,000 annually over 15-years
- \$5,117,000 annually over 20-years

FY22: Total Bond Issue \$8,881,000

- \$250,000 annually over 5-years
- \$2,862,000 annually over 10-years
- \$3,769,000 annually over 15-years
- \$2,000,000 annually over 20-years

FY23: Total Bond Issue \$19,308,000

- \$215,000 annually over 5-years
- \$3,405,000 annually over 10-years
- \$4,550,000 annually over 15-years
- \$11,138,000 annually over 20-years

FY24: Total Bond Issue \$7,008,000

- \$250,000 annually over 5-years
- \$2,617,000 annually over 10-years
- \$2,641,000 annually over 15-years
- \$1,500,000 annually over 20-years

TABLE A – Capital Trust Fund Estimated Cash Flow FY 2020 – FY 2029

ESTIMATED CAPITAL TRUST FUND CASH FLOW FY 2020 - FY 2029										
	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029
<b>1</b> Beginning Trust Fund Balance	\$ 17,374,744	\$ 16,454,902	\$ 16,574,431	\$ 16,699,563	\$ 18,680,944	\$ 20,702,207	\$ 25,091,085	\$ 29,390,054	\$ 35,712,240	\$ 42,382,410
<b>Resources:</b>										
<b>2</b> Investment Earnings	191,122	181,004	182,319	183,695	205,490	227,724	276,002	323,291	392,835	466,207
<b>3</b> Transfer From General Fund	10,191,521	10,646,309	11,112,467	11,590,279	12,080,036	12,582,037	13,096,588	13,624,003	14,164,603	14,718,718
<b>4</b> Additional Contribution From General Fund	-	1,000,000	-	1,000,000	-	1,000,000	-	1,000,000	-	1,000,000
<b>5</b> Other Resources	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
<b>6</b> Total Current Year Resources	10,482,643	11,927,313	11,394,786	12,873,974	12,385,526	13,909,761	13,472,590	15,047,294	14,657,438	16,284,925
<b>7</b> Total Available Resources	27,857,387	28,382,214	27,969,217	29,573,537	31,066,470	34,611,969	38,563,675	44,437,347	50,369,677	58,667,334
<b>Commitments:</b>										
<b>8</b> Existing Debt Service Payments	(7,477,486)	(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)
<b>9a</b> Estimated Debt Service on FY20 CIP (\$12.3m)	-	(1,429,670)	(1,392,168)	(1,354,666)	(1,317,164)	(1,279,662)	(1,069,360)	(1,038,770)	(1,008,180)	(977,590)
<b>10</b> Public Roads Program	(3,450,000)	(3,550,000)	(3,650,000)	(3,750,000)	(3,850,000)	(3,950,000)	(4,000,000)	(4,100,000)	(4,200,000)	(4,300,000)
<b>11</b> Other Cash Program	(475,000)	-	-	-	-	-	-	-	-	-
<b>12</b> Total Current Year Commitments	(11,402,486)	(11,807,783)	(11,269,654)	(10,892,593)	(10,364,263)	(9,520,883)	(9,173,621)	(8,725,108)	(7,987,268)	(7,549,640)
<b>13</b> Increase (Decrease) in Trust Fund	(919,843)	119,530	125,132	1,981,381	2,021,263	4,388,878	4,298,969	6,322,186	6,670,170	8,735,284
<b>14</b> Ending Trust Fund Balance	\$ 16,454,902	\$ 16,574,431	\$ 16,699,563	\$ 18,680,944	\$ 20,702,207	\$ 25,091,085	\$ 29,390,054	\$ 35,712,240	\$ 42,382,410	\$ 51,117,694
<b>15</b> % of trust fund resources committed in CY (max =80%)	41%	42%	40%	37%	33%	28%	24%	20%	16%	13%

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 FY20. Cash funded projects in FY20 total \$3,925,000 and bond funded projects total \$12.3 million. The bonds will be issued in FY20 and the first estimated loan payment of \$1,429,670 is anticipated to be made in FY21 as illustrated above on line 9a. Line 8 in the table above includes all existing loan payments. Lines 10 and 11 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 15) indicating that the fund has the capacity to absorb more debt financed projects in future years.

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

ESTIMATED CAPITAL TRUST FUND 5 YEAR PLAN CASH FLOW ANALYSIS											
		FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029
1	Beginning Trust Fund Balance	\$ 17,374,744	\$ 16,454,902	\$ 15,802,431	\$ 14,302,428	\$ 13,518,683	\$ 11,005,350	\$ 9,875,906	\$ 7,689,605	\$ 6,786,335	\$ 5,341,723
	<b>Resources:</b>										
2	Investment Earnings	191,122	181,004	173,827	157,327	148,706	121,059	108,635	84,586	74,650	58,759
3	Transfer From General Fund	10,191,521	10,646,309	11,112,467	11,590,279	12,080,036	12,582,037	13,096,588	13,624,003	14,164,603	14,718,718
4	Additional Contribution From General Fund	-	1,000,000	-	1,000,000	-	1,000,000	-	1,000,000	-	1,000,000
5	Other Resources	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
6	Total Current Year Resources	10,482,643	11,927,313	11,386,294	12,847,606	12,328,742	13,803,096	13,305,223	14,808,589	14,339,253	15,877,477
7	Total Available Resources	27,857,387	28,382,214	27,188,725	27,150,034	25,847,424	24,808,446	23,181,129	22,498,193	21,125,588	21,219,200
	<b>Commitments:</b>										
8	Existing Debt Service Payments	(7,477,486)	(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)
9a	Estimated Debt Service on FY20 CIP (\$12.3m)		(1,429,670)	(1,392,168)	(1,354,666)	(1,317,164)	(1,279,662)	(1,069,360)	(1,038,770)	(1,008,180)	(977,590)
9b	Estimated Debt Service on FY21 CIP (\$11.1m)			(1,316,643)	(1,281,784)	(1,246,925)	(1,212,065)	(1,177,206)	(932,347)	(905,887)	(879,428)
9c	Estimated Debt Service on FY22 CIP (\$8.5m)				(1,006,973)	(980,368)	(953,763)	(927,157)	(900,552)	(823,947)	(799,341)
9d	Estimated Debt Service on FY23 CIP (\$19.5m)					(2,001,519)	(1,952,741)	(1,903,964)	(1,855,186)	(1,806,409)	(1,714,632)
9e	Estimated Debt Service on FY24 CIP (\$7m)						(843,087)	(820,576)	(798,065)	(775,555)	(753,044)
10	Public Roads Program	(3,450,000)	(3,550,000)	(3,650,000)	(3,750,000)	(3,850,000)	(3,950,000)	(4,000,000)	(4,100,000)	(4,200,000)	(4,300,000)
11	Other Cash Program	(475,000)	(772,000)	(300,000)	(450,000)	(249,000)	(450,000)	(450,000)	(450,000)	(450,000)	(450,000)
12	Total Current Year Commitments	(11,402,486)	(12,579,783)	(12,886,297)	(13,631,351)	(14,842,074)	(14,932,539)	(15,491,525)	(15,711,858)	(15,783,865)	(16,137,685)
13	Increase (Decrease) in Trust Fund	(919,843)	(652,470)	(1,500,004)	(783,745)	(2,513,333)	(1,129,444)	(2,186,302)	(903,269)	(1,444,613)	(260,208)
14	Ending Trust Fund Balance	\$ 16,454,902	\$ 15,802,431	\$ 14,302,428	\$ 13,518,683	\$ 11,005,350	\$ 9,875,906	\$ 7,689,605	\$ 6,786,335	\$ 5,341,723	\$ 5,081,515
15	% of trust fund resources committed in CY (max = 80%)	41%	44%	47%	50%	57%	60%	67%	70%	75%	76%

Including the proposed FY20 capital program, it is estimated the Capital Trust Fund can absorb approximately \$145 million in projects over the next 10-years and stay within the maximum allowable commitment of 80% as shown on line 15. Cash financed capital is estimated at \$43 million and bond financed capital is estimated at \$100 million through FY29. The estimated annual loan payments on the bonds are illustrated on lines 9a through 9e.

## Comprehensive Water Management and Private Way Improvements 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. 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 average 1.1 % per year;
- Existing sewer betterments collected will average \$47,000 per year;
- Long Pond Area Sewer Expansion assessments will average \$409,650 per year starting in FY24;
- Attucks Lane Sewer Expansion assessments will average \$62,500 per year starting in FY22;
- Phinney's Lane Sewer Expansion assessments will average \$321,025 per year starting in FY24;
  - Loan amortization on bond issues will be 20 years;
- The net interest cost on the bonds are estimated to be 4%;
- 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 FY22 bond issue will be in FY23;
- 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 will be \$3,647,000 in FY20.

TABLE A – Comprehensive Water Management And Private Way Improvements Fund Estimated Cash Flow FY 2020 –FY 2029

COMPREHENSIVE WATER MANAGEMENT AND PRIVATE WAY IMPROVEMENTS FUND CASH FLOW ANALYSIS 10 YEAR PROJECTION											
		FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029
1	Beginning Trust Fund Balance	\$ 15,330,084	\$ 14,002,993	\$ 16,333,884	\$ 18,544,819	\$ 20,683,921	\$ 21,549,296	\$ 22,482,087	\$ 23,482,437	\$ 24,551,743	\$ 25,690,789
<b>Resources:</b>											
2	Hotel/Motel Rooms Tax 1/3	1,011,306	1,021,419	1,031,633	1,041,950	1,052,369	1,062,893	1,073,522	1,084,257	1,095,099	1,106,050
3	Meals Tax	1,581,444	1,597,259	1,613,231	1,629,364	1,645,657	1,662,114	1,678,735	1,695,522	1,712,478	1,729,602
4	Earning on Investment	168,631	154,033	122,504	139,086	155,129	161,620	168,616	176,118	184,138	192,681
5	Total Assessments	50,106	50,106	110,849	110,849	835,528	835,528	834,903	834,903	834,903	834,903
6	Total Interest Earned on Assessments	10,000	10,000	60,000	57,500	639,540	607,813	576,086	544,359	512,632	480,905
7	Total Current Year Resources	2,821,487	2,832,817	2,938,218	2,978,749	4,328,223	4,329,967	4,331,861	4,335,159	4,339,250	4,344,142
8	Total Available Resources	18,151,571	16,835,810	19,272,102	21,523,568	25,012,145	25,879,263	26,813,948	27,817,597	28,890,994	30,034,930
<b>Commitments:</b>											
9	Existing Debt Service Payments	(501,578)	(501,926)	(502,283)	(502,647)	(503,019)	(503,400)	(503,788)	(504,185)	(504,591)	(505,006)
10a	Estimated Debt Service on FY20 CIP (\$m)	-	-	-	-	-	-	-	-	-	-
10b	Estimated Debt Service on FY21 CIP (\$2.5m)	-	-	(225,000)	(220,000)	(215,000)	(210,000)	(205,000)	(200,000)	(195,000)	(190,000)
10c	Estimated Debt Service on FY22 CIP (\$1.3m)	-	-	-	(117,000)	(114,400)	(111,800)	(109,200)	(106,600)	(104,000)	(101,400)
10d	Estimated Debt Service on FY23 CIP (\$30m)	-	-	-	-	(2,630,430)	(2,571,976)	(2,513,522)	(2,455,068)	(2,396,614)	(2,338,160)
11	Other Cash Program	(3,647,000)	-	-	-	-	-	-	-	-	-
12	Total Current Year Commitments	(4,148,578)	(501,926)	(727,283)	(839,647)	(3,462,849)	(3,397,176)	(3,331,510)	(3,265,853)	(3,200,205)	(3,134,566)
13	Increase (Decrease) in Trust Fund	(1,327,091)	2,330,891	2,210,936	2,139,102	865,374	932,791	1,000,351	1,069,306	1,139,045	1,209,576
14	Ending Trust Fund Balance	\$ 14,002,993	\$ 16,333,884	\$ 18,544,819	\$ 20,683,921	\$ 21,549,296	\$ 22,482,087	\$ 23,482,437	\$ 24,551,743	\$ 25,690,789	\$ 26,900,365

This table illustrates the Comprehensive Water Management And Private Way Improvements Fund cash flow incorporating all existing loan payments on previously authorized projects as well as future recommended projects. Cash funded projects in FY20 total \$3,647,000 and bond funded projects over the ten-year analysis include all submissions provided in the five-year plan. Line 9 in the table above illustrates all existing loan payments. Lines 10a and 10d illustrate the estimated debt service payments on new projects included in the five-year plan. Line 12 includes all existing as well as estimated commitments to the fund.

## 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, recreation, conservation, and the Town's Enterprise Fund operations. General Obligation Debt, (G.O.D), is 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 Fund GOB's, most of the bonds 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 and is required by Massachusetts General Laws. 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 4% range. Rates have remained low in FY19 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, and the Hyannis Youth & Community Center. 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) that 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 three percent 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, real estate transactions declining, as well as a decline in the State's trust fund balance.

### Current Debt Position

As of June 30, 2018, the Town of Barnstable had \$103 million of outstanding long-term debt. New debt issued in FY18 was \$9.9 million and existing debt retired was \$14.4 million, representing a \$4.5 million net decrease in the outstanding long-term debt level from June 30, 2017. 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 Debt (G.O.D.) payments by issue for both the Town's governmental funds and the enterprise funds. It is significant to note the State reimburses for approved Massachusetts School Building Authority (MSBA) school construction projects at the rate of 64%, including interest costs incurred. There are also several low-cost financing loans through the Massachusetts Clean Water Trust (MCWT) for sewer construction, water system improvements, and landfill capping loans.

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

Project	Maturities Through	Original Loan Amount	Interest Rate (%)	Outstanding at June 30, 2018
MCWT Title V Bond of 1997.....	2021	\$ 200,000	0.00	\$ 31,000
MCWT Title V Bond of 2002.....	2023	200,000	0.00	50,324
MCWT Title V Bonds of 2006.....	2026	400,000	0.00	160,000
MCWT Title V Bond of 2007.....	2027	200,000	0.00	90,000
Municipal Purpose Bonds of 2007.....	2027	36,808,388	4.00 - 5.00	4,900,000
MCWT Bond of 2008 (CW-04-31).....	2021	389,216	2.00	99,001
MCWT Bond of 2009.....	2021	887,454	2.00	149,239
Municipal Purpose Bonds of 2010.....	2030	3,873,270	2.00 - 5.00	1,965,000
Municipal Purpose Bonds of 2011.....	2031	13,584,000	2.00 - 4.00	4,970,000
Municipal Purpose Refunding of 2012.....	2023	10,037,900	2.00 - 4.00	4,179,500
Municipal Purpose Bonds of 2014.....	2024	6,248,000	2.00 - 3.00	3,270,000
Municipal Purpose Refunding of 2015.....	2027	5,265,500	2.00 - 4.50	4,080,000
Municipal Purpose Bonds of 2015.....	2035	3,930,000	2.00 - 4.50	2,890,000
Municipal Purpose Bonds of 2016.....	2036	12,113,000	2.00 - 4.00	10,595,000
Municipal Purpose Refunding of 2016.....	2028	1,674,000	2.00 - 4.00	1,674,000
Municipal Purpose Bonds of 2017.....	2037	5,105,700	3.00 - 4.00	4,650,000
MCWT Bond of 2017.....	2020	255,941	2.00	172,456
Municipal Purpose Bonds of 2018.....	2038	7,780,500	3.00 - 5.00	7,780,500
Total Bonds Payable.....				51,706,020
Add: Unamortized premium on bonds.....				1,772,942
Total Bonds Payable, net.....				\$ 53,478,962

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

Year	Principal	Interest	Total
2019.....	\$ 10,240,231	\$ 1,979,658	\$ 12,219,889
2020.....	6,629,263	1,548,475	8,177,738
2021.....	5,353,618	1,289,106	6,642,724
2022.....	4,873,204	1,071,296	5,944,500
2023.....	4,122,704	866,482	4,989,186
2024.....	3,023,000	717,456	3,740,456
2025.....	2,465,000	605,691	3,070,691
2026.....	2,168,000	503,053	2,671,053
2027.....	1,746,000	415,264	2,161,264
2028.....	1,530,000	353,766	1,883,766
2029.....	1,415,000	297,814	1,712,814
2030.....	1,395,000	253,238	1,648,238
2031.....	1,225,000	205,944	1,430,944
2032.....	1,080,000	168,738	1,248,738
2033.....	1,025,000	136,336	1,161,336
2034.....	950,000	105,590	1,055,590
2035.....	950,000	76,774	1,026,774
2036.....	835,000	47,960	882,960
2037.....	400,000	22,252	422,252
2038.....	280,000	9,102	289,102
Total.....	\$ 51,706,020	\$ 10,673,995	\$ 62,380,015

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 2018, approximately \$3,019,000 of such assistance was received. Approximately \$3,878,000 will be received in future years. Of this amount, \$145,000 represents reimbursement of future long-term interest costs and \$3,733,000 represents reimbursement of approved construction cost and interest costs previously paid.

Bonds Payable Schedule – Enterprise Funds

Project	Maturities Through	Original Loan Amount	Interest Rate (%)	Outstanding at June 30, 2018
Airport.....	2037	\$ 2,433,700	2.00 - 4.125	\$ 2,175,000
Golf Course.....	2037	3,313,200	2.00 - 5.00	2,894,000
Add: unamortized premium.....				164,748
<b>Total Golf Course Bonds Payable, net.....</b>				<b>3,058,748</b>
Solid Waste Transfer Station.....	2027	7,515,600	0.00 - 4.50	826,500
Wastewater.....	2037	27,301,820	0.00 - 4.75	15,256,940
Water Supply.....	2038	19,877,111	2.00 - 5.00	16,826,853
Add: unamortized premium.....				605,745
<b>Total Water Supply Bonds Payable, net.....</b>				<b>17,432,598</b>
Marina Recreation.....	2037	3,598,500	2.00 - 4.00	2,544,000
Add: unamortized premium.....				66,054
<b>Total Marina Recreation Bonds Payable, net.....</b>				<b>2,610,054</b>
Sandy Neck Recreation.....	2031	1,265,000	2.00 - 4.125	900,000
Hyannis Youth and Community Center.....	2028	15,113,300	2.00 - 4.75	7,835,000
Add: unamortized premium.....				755,907
<b>Total Hyannis Youth and Community Center Bonds Payable, net.....</b>				<b>8,590,907</b>
<b>Total Bonds Payable, net.....</b>				<b>\$ 50,850,747</b>

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

Year	Principal	Interest	Total
2019.....	\$ 4,863,643	\$ 1,610,505	\$ 6,474,148
2020.....	4,463,261	1,430,974	5,894,235
2021.....	4,312,773	1,267,690	5,580,463
2022.....	4,058,905	1,107,708	5,166,613
2023.....	4,120,059	956,739	5,076,798
2024.....	3,990,750	810,215	4,800,965
2025.....	3,890,488	671,505	4,561,993
2026.....	3,659,784	539,277	4,199,061
2027.....	3,629,648	427,913	4,057,561
2028.....	2,464,090	321,020	2,785,110
2029.....	1,684,901	249,132	1,934,033
2030.....	1,663,650	204,468	1,868,118
2031.....	1,609,045	161,304	1,770,349
2032.....	1,122,648	124,983	1,247,631
2033.....	1,136,400	97,555	1,233,955
2034.....	709,729	73,330	783,059
2035.....	714,612	53,570	768,182
2036.....	704,602	33,714	738,316
2037.....	399,305	14,124	413,429
2038.....	60,000	1,950	61,950
<b>Total.....</b>	<b>\$ 49,258,293</b>	<b>\$ 10,157,674</b>	<b>\$ 59,415,967</b>

The Town is scheduled to be subsidized by the MCWT on a periodic basis for principal in the amount of \$495,613 and interest costs for \$133,524. The principal subsidies are guaranteed and therefore a \$495,613 intergovernmental receivable has been reported in the business-type financial statements. Since the Town is legally obligated for the total amount of the debt, such amounts have been reported in the accompanying basic financial statements. The 2018 principal and interest subsidies totaled \$201,830 and \$79,519, respectively.



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, 2018, the Town had the following authorized and unissued debt:

Purpose	Amount
Sewer projects.....	\$ 9,088,246
Water projects.....	7,714,483
Airport projects.....	29,306,487
Fish run reconstruction.....	500
School improvements.....	1,736,000
Parking lot improvements.....	25,000
Landfill projects.....	2,000,000
Town hall renovation.....	560,000
Osterville recreation project.....	675,000
Private road repairs.....	2,075,770
Clear vegetation and obstruction project.....	300,000
<b>Total.....</b>	<b>\$ 53,481,486</b>

**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 2018, the Town Treasurer conducted a \$10.6 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 2018 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 management, with strong financial policies and practices under our Financial Management Assessment (FMA) methodology;
- Strong budgetary performance, with operating surplus in the general fund and at the total governmental fund level in fiscal 2017;
- Very strong budgetary flexibility, with an available fund balance in fiscal 2017 of 24% of operating expenditures;
- Very strong liquidity, with total government available cash at 23.3% of total governmental fund expenditures and 3.5x governmental debt service, and access to external liquidity we consider strong;
- Strong debt-and-contingent-liability position, with debt service carrying charges at 6.6% of expenditures and net direct debt that is 48.7% of total-governmental-fund revenue, as well as low overall net debt at less than 3% of market value and rapid amortization, with 77.9% of debt scheduled to be retired in 10 years, but a large pension and other-postemployment-benefit (OPEB) obligation and the lack of a plan to sufficiently address the obligation; and
- Strong institutional framework score.

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

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 stable outlook reflects S&P Global Ratings’ opinion of the town’s very strong economy and budgetary flexibility, supported by strong budgetary performance. We believe the town’s very strong management and liquidity further support the rating. Although the town has large long-term liabilities and increasing retirement costs, we believe management will likely make the necessary budgetary adjustments to maintain balanced financial operations. Therefore, we do not expect to change the rating within the two-year outlook period.

However, while unlikely, we could lower the rating if a prolonged period of structural imbalance were to result in significant available reserve deterioration.”

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.

Town’s Equalized Valuation (EQV)	<u>\$14,932,044,600</u>
Debt Limit – 5% of EQV	\$746,602,230
Less:	
Outstanding Debt Applicable to Limit	\$70,485,571
Authorized and Unissued Debt	<u>\$53,481,486</u>
Legal Debt Margin	<u>\$622,635,173</u>
Total debt applicable to the limit as a percentage of debt limit	16.60%

### 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 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, 2018

Town of Barnstable, Massachusetts	Debt Outstanding	Percentage Applicable (1), (2)	Share of Overlapping Debt
Debt repaid with property taxes and user charges:			
Barnstable County	\$25,037,532	16.79%	\$4,203,802
Barnstable Fire District	2,210,000	100.00%	2,210,000
Centerville-Osterville-Marston Mills Fire District	2,337,252	100.00%	2,337,252
Cotuit Fire District	5,827,368	100.00%	5,827,368
Hyannis Fire District	2,576,000	100.00%	2,576,000
Subtotal, overlapping debt			17,154,422
Town direct debt			52,907,462
Total direct and overlapping debt			<u>\$70,061,884</u>

(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>
0.76%	<p>Direct Debt - General Fund Debt Service as a % of the Town’s FY18 Equalized Property Valuation as calculated by the state.                      Formula – Overall General Fund Debt Service ÷ Equalized Valuation</p> <p><b>Standard &amp; Poor’s rates this as Low (Less than 3%)</b></p>
7.14%	<p>Municipal Debt Burden – Current Year                      Definition - Town’s General Fund Debt Service ÷ Total General Fund Expenditures</p> <p><b>Standard &amp; Poor’s rates this as Low (Below 8%)</b></p>
\$5,300	<p>Net Debt Per Capita                      Definition – Governmental Fund Debt (Short + Long Term Debt- Cash &amp; Cash Equivalents) ÷ Town population</p> <p><b>Standard &amp; Poor’s rates this as Moderate (\$2,000-\$5,500)</b></p>
\$ 334,491	<p>Per Capita Market Value                      Definition – Equalized Valuation ÷ Population</p> <p><b>Standard &amp; Poor’s rates this as very Extremely Strong (Above \$100,000)</b></p>

**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**

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, continually monitors municipal bond market conditions to identify refinancing opportunities. An analysis shall be conducted when necessary to determine whether debt financing, cash purchase, or leasing is the most cost effective method of financing for the Town.

### General Obligation Debt

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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 0.76%.**

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 7.14%.**

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

**The Town's debt-to-income per capita ratio is 6.20%.**

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 \$19 million in the next five years as "pay-as-you-go" financing and anticipates financing about \$35 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.**

### Capital Trust Fund

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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 2020 is approximately \$10 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

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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 6, 2019**

FISCAL YEAR 2020 BUDGET

CAPITAL BUDGET AND DEBT SUMMARY

GENERAL FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2019	Payments FY 2020	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
CTF Land Acquisition (I) - Hyannis Golf Course \$748,000 Refunded	02/17/15	02/15/26	325,200	49,310	47,600	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	28,600	27,640	26,680	23,720	21,840	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2002 Land Acquisitions BUTAPS	06/14/11	06/15/20	1,102,000	140,400	135,200	-	-	-	-	-	-	-	-	-	-
<b>Total Land Acquisition Interest &amp; Principal</b>				<b>218,310</b>	<b>210,440</b>	<b>72,760</b>	<b>68,280</b>	<b>64,880</b>	<b>35,520</b>	<b>34,240</b>	<b>32,960</b>				
GENERAL FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2019	Payments FY 2020	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
High School Construction - Refunded	02/15/07	02/15/19	27,486,190	3,433,500	-	-	-	-	-	-	-	-	-	-	-
Barnstable Middle School - Refunded 2	02/15/07	02/15/20	1,548,520	158,050	150,800	-	-	-	-	-	-	-	-	-	-
Barnstable Middle School - Refunded 1	02/15/07	02/15/20	7,071,300	719,200	681,200	-	-	-	-	-	-	-	-	-	-
CTF School Upgrades 1 (I) \$360,000 Refunded	02/17/15	02/15/22	104,700	27,360	21,280	20,520	19,760	-	-	-	-	-	-	-	-
CTF School Facilities Repair & Improvement (I) \$660,000 Refunded	02/17/15	02/15/22	199,700	49,455	42,520	41,000	38,480	-	-	-	-	-	-	-	-
CTF School Health & Safety Improvements \$478,000 Refunded	02/17/15	02/15/26	193,400	30,700	29,620	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	329,800	49,510	47,800	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	6,645	6,420	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	57,705	55,770	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	39,428	36,928	34,080	36,000	34,800	33,600	32,400	31,800	31,200	30,600	-	-
CTF School Building Improvements	06/16/10	06/15/30	936,000	64,744	62,494	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	66,919	65,119	63,119	61,519	59,719	57,919	56,400	54,825	53,138	46,450	44,850	43,250
CTF School Parking Lot (I)	06/14/11	06/15/21	250,000	28,000	27,000	26,000	-	-	-	-	-	-	-	-	-
CTF School Facilities Upgrades/Repairs IV	06/14/11	06/15/21	332,000	33,600	32,400	31,200	-	-	-	-	-	-	-	-	-
CTF School Remolding - Asbestos 00-110 Refunded	06/14/11	06/15/22	50,000	5,800	5,600	5,400	5,200	-	-	-	-	-	-	-	-
CTF School Facilities Upgrades/Repairs II	06/14/11	06/15/26	179,000	13,063	12,663	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	18,263	12,663	12,263	11,863	11,463	11,063	10,725	10,375	-	-	-	-
CTF School Improvement (I)	06/14/11	06/15/26	487,000	39,188	37,988	36,788	35,588	34,388	33,188	32,175	31,125	-	-	-	-
HS Addition & Renovation Advance Refund 6/15/2003	04/18/12	09/15/18	58,100	8,222	-	-	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 School Remodel II	04/18/12	09/15/22	193,400	22,780	22,180	21,580	17,940	15,300	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	29,389	28,609	22,806	21,192	20,196	-	-	-	-	-	-	-
CTF School Roof Repairs	11/22/13	11/15/23	600,000	69,000	67,500	65,700	63,900	62,250	60,750	-	-	-	-	-	-
CTF HS Library AC Units	11/22/13	11/15/23	450,000	51,750	50,625	49,275	47,925	46,688	45,563	-	-	-	-	-	-
CTF School Fire & Communications System	11/22/13	11/15/23	200,000	23,000	22,500	21,900	21,300	20,750	20,250	-	-	-	-	-	-
CTF School Computer Network Infrastructure	11/22/13	11/15/23	189,000	22,600	22,100	21,500	15,975	15,563	15,188	-	-	-	-	-	-
CTF Intermediate School Roof & Façade Design	11/22/13	11/15/18	100,000	20,200	-	-	-	-	-	-	-	-	-	-	-
CTF School Hot Water Pump Replacement	11/22/13	11/15/18	85,000	15,150	-	-	-	-	-	-	-	-	-	-	-
CTF School Gym Bleacher Upgrades	11/22/13	11/15/18	55,000	10,100	-	-	-	-	-	-	-	-	-	-	-
CTF School Grounds Maintenance Equipment	11/22/13	11/15/18	150,000	30,300	-	-	-	-	-	-	-	-	-	-	-
CTF School Kitchen Equipment	11/22/13	11/15/18	110,000	20,200	-	-	-	-	-	-	-	-	-	-	-
CTF Early Learning Center Modular Facility	02/17/15	02/15/35	2,000,000	157,625	153,125	149,125	145,125	141,125	137,125	133,125	129,125	126,125	123,125	120,625	118,000
CTF Elementary School Modular Classroom (#2015-115)	02/25/16	06/30/36	3,720,000	300,706	293,106	280,506	273,106	265,706	258,306	250,906	243,506	236,106	232,406	227,781	223,850
CTF BIS Façade & Roof Improvements (#2015-116)	02/25/16	06/30/36	3,353,000	269,981	263,181	256,381	249,581	242,781	235,981	229,181	222,381	210,581	207,281	203,156	199,650
CTF BCHMCPs Façade & Roof Improvements (#2015-117)	02/25/16	06/30/26	260,000	33,000	32,000	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	46,200	44,800	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	33,000	32,000	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	60,600	58,800	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	33,200	32,200	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	208,468	207,919	203,119	197,119	191,119	187,519	181,519	175,519	169,519	163,519	152,519	147,919
CTF Barnstable Public Schools Unit Ventilator (I) (#2017-062)	02/27/18	06/30/28	225,000	34,667	34,250	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	265,113	260,856	254,856	247,356	239,856	235,356	227,856	220,356	212,856	205,356	197,856	191,856
CTF Barnstable Public Schools Asbestos Abatement (I) (#2017-066)	02/27/18	06/30/28	270,000	41,697	41,200	40,000	38,500	37,000	35,500	34,000	32,500	31,000	29,500	28,000	26,500
CTF Barnstable High School Stadium Bleachers (I) (#2017-067)	02/27/18	06/30/33	966,000	104,696	103,050	100,450	97,200	93,950	92,000	88,750	85,500	82,250	79,000	75,750	73,150
CTF Barnstable High School Cafeteria Window (I) (#2017-068)	02/27/18	06/30/38	400,000	35,008	34,925	34,125	33,125	32,125	31,525	30,525	29,525	28,525	27,525	26,525	25,725
CTF Hyannis West Elementary School Roof Truss System (2019-058)	08/15/19	06/30/39	850,000	-	79,464	78,300	76,050	73,800	71,550	69,300	67,050	64,800	62,550	60,300	58,050
CTF Barnstable High School Sports Field Upgrade (#2018-064)	08/15/19	06/30/34	4,600,000	-	509,318	500,100	484,600	469,100	453,600	433,100	417,850	402,600	387,350	372,100	356,850
<b>Total Schools Interest &amp; Principal</b>				<b>6,787,778</b>	<b>3,721,971</b>	<b>2,805,758</b>	<b>2,660,270</b>	<b>2,505,831</b>	<b>2,389,873</b>	<b>2,159,571</b>	<b>2,088,211</b>	<b>1,828,038</b>	<b>1,662,700</b>	<b>1,530,063</b>	<b>1,480,100</b>



FISCAL YEAR 2020 BUDGET

CAPITAL BUDGET AND DEBT SUMMARY

GENERAL FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2031	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	-	-	-	-	-	-	-	-	-	-	-	333,310
CTF Land Acquisition - CAP \$365,200 Refunded	06/21/16	06/30/23	115,000	-	-	-	-	-	-	-	-	-	-	-	128,480
CTF Advance Refund 6/15/2002 Land Acquisitions BUTAPS	06/14/11	06/15/20	1,102,000	-	-	-	-	-	-	-	-	-	-	-	275,600
<b>Total Land Acquisition Interest &amp; Principal</b>															<b>737,390</b>
GENERAL FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2031	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
High School Construction - Refunded	02/15/07	02/15/19	27,486,190	-	-	-	-	-	-	-	-	-	-	-	3,433,500
Barnstable Middle School - Refunded 2	02/15/07	02/15/20	1,548,520	-	-	-	-	-	-	-	-	-	-	-	308,850
Barnstable Middle School - Refunded 1	02/15/07	02/15/20	7,071,300	-	-	-	-	-	-	-	-	-	-	-	1,400,400
CTF School Upgrades 1 (I) \$360,000 Refunded	02/17/15	02/15/22	104,700	-	-	-	-	-	-	-	-	-	-	-	88,920
CTF School Facilities Repair & Improvement (I) \$660,000 Refunded	02/17/15	02/15/22	199,700	-	-	-	-	-	-	-	-	-	-	-	171,455
CTF School Health & Safety Improvements \$478,000 Refunded	02/17/15	02/15/26	193,400	-	-	-	-	-	-	-	-	-	-	-	196,200
CTF MME Roof Replacement (I) \$750,000 Refunded	02/17/15	02/15/26	329,800	-	-	-	-	-	-	-	-	-	-	-	339,510
CTF School Upgrades 2 (I) \$150,000 Refunded	02/17/15	02/15/27	47,400	-	-	-	-	-	-	-	-	-	-	-	50,025
CTF BHMCPSPS Roof (I) \$910,000 Refunded	02/17/15	02/15/27	426,900	-	-	-	-	-	-	-	-	-	-	-	452,245
CTF School Facility Improvements 1 (I) \$916,600 Refunded	06/21/16	06/30/28	295,700	-	-	-	-	-	-	-	-	-	-	-	340,836
CTF School Building Improvements	06/16/10	06/15/30	936,000	-	-	-	-	-	-	-	-	-	-	-	670,163
CTF School Facilities Upgrades/Repairs V (I)	06/14/11	06/15/31	884,000	41,650	-	-	-	-	-	-	-	-	-	-	715,075
CTF School Parking Lot (I)	06/14/11	06/15/21	250,000	-	-	-	-	-	-	-	-	-	-	-	81,000
CTF School Facilities Upgrades/Repairs IV	06/14/11	06/15/21	332,000	-	-	-	-	-	-	-	-	-	-	-	97,200
CTF School Remolding - Asbestos 00-110 Refunded	06/14/11	06/15/22	50,000	-	-	-	-	-	-	-	-	-	-	-	22,000
CTF School Facilities Upgrades/Repairs II	06/14/11	06/15/26	179,000	-	-	-	-	-	-	-	-	-	-	-	93,475
CTF School Facilities Upgrades/Repairs III	06/14/11	06/15/26	190,000	-	-	-	-	-	-	-	-	-	-	-	98,675
CTF School Improvement (I)	06/14/11	06/15/26	487,000	-	-	-	-	-	-	-	-	-	-	-	280,425
HS Addition & Renovation Advance Refund 6/15/2003	04/18/12	09/15/18	58,100	-	-	-	-	-	-	-	-	-	-	-	8,222
CTF Advance Refund 6/15/2003 School Remodel II	04/18/12	09/15/22	193,400	-	-	-	-	-	-	-	-	-	-	-	99,780
CTF Advance Refund 6/15/2003 School Remodel I	04/18/12	09/15/22	242,700	-	-	-	-	-	-	-	-	-	-	-	122,192
CTF School Roof Repairs	11/22/13	11/15/23	600,000	-	-	-	-	-	-	-	-	-	-	-	389,100
CTF HS Library AC Units	11/22/13	11/15/23	450,000	-	-	-	-	-	-	-	-	-	-	-	291,825
CTF School Fire & Communications System	11/22/13	11/15/23	200,000	-	-	-	-	-	-	-	-	-	-	-	129,700
CTF School Computer Network Infrastructure	11/22/13	11/15/23	189,000	-	-	-	-	-	-	-	-	-	-	-	112,925
CTF Intermediate School Roof & Façade Design	11/22/13	11/15/18	100,000	-	-	-	-	-	-	-	-	-	-	-	20,200
CTF School Hot Water Pump Replacement	11/22/13	11/15/18	85,000	-	-	-	-	-	-	-	-	-	-	-	15,150
CTF School Gym Bleacher Upgrades	11/22/13	11/15/18	55,000	-	-	-	-	-	-	-	-	-	-	-	10,100
CTF School Grounds Maintenance Equipment	11/22/13	11/15/18	150,000	-	-	-	-	-	-	-	-	-	-	-	30,300
CTF School Kitchen Equipment	11/22/13	11/15/18	110,000	-	-	-	-	-	-	-	-	-	-	-	20,200
CTF Early Learning Center Modular Facility	02/17/15	02/15/35	2,000,000	115,000	112,000	109,000	106,000	103,000	-	-	-	-	-	-	2,178,375
CTF Elementary School Modular Classroom (#2015-115)	02/25/16	06/30/36	3,720,000	218,300	212,750	207,200	201,650	196,100	190,550	-	-	-	-	-	4,312,544
CTF BIS Façade & Roof Improvements (#2015-116)	02/25/16	06/30/36	3,353,000	194,700	189,750	184,800	179,850	174,900	169,950	-	-	-	-	-	3,884,069
CTF BCHMCPSPS Façade & Roof Improvements (#2015-117)	02/25/16	06/30/26	260,000	-	-	-	-	-	-	-	-	-	-	-	236,000
CTF High School & Middle School Boiler Upgrades (#2015-119)	02/25/16	06/30/26	350,000	-	-	-	-	-	-	-	-	-	-	-	330,400
CTF W Village Elementary A/C Replacement (#2015-120)	02/25/16	06/30/26	250,000	-	-	-	-	-	-	-	-	-	-	-	236,000
CTF School Parking Lot Light Pole Replacement (I) (#2016-082)	02/23/17	06/30/27	435,000	-	-	-	-	-	-	-	-	-	-	-	466,200
CTF School Unit Ventilator Upgrade (I) (#2016-083)	02/23/17	06/30/27	230,000	-	-	-	-	-	-	-	-	-	-	-	244,000
CTF Horace Mann Roof (I) (#2016-081)	02/27/18	06/30/38	2,350,000	143,319	139,869	136,419	132,969	129,519	126,069	122,475	118,738	-	-	-	3,235,150
CTF Barnstable Public Schools Unit Ventilator (I) (#2017-062)	02/27/18	06/30/28	225,000	-	-	-	-	-	-	-	-	-	-	-	279,917
CTF Barnstable High School Learning Center (I) (#2017-063)	02/27/18	06/30/38	2,968,500	185,856	176,356	172,006	167,656	163,306	158,956	154,425	149,713	-	-	-	4,087,806
CTF Barnstable Public Schools Asbestos Abatement (I) (#2017-066)	02/27/18	06/30/28	270,000	-	-	-	-	-	-	-	-	-	-	-	337,147
CTF Barnstable High School Stadium Bleachers (I) (#2017-067)	02/27/18	06/30/33	966,000	70,550	63,600	61,800	-	-	-	-	-	-	-	-	1,271,696
CTF Barnstable High School Cafeteria Window (I) (#2017-068)	02/27/18	06/30/38	400,000	24,925	24,325	23,725	23,125	22,525	21,925	21,300	20,650	-	-	-	551,683
CTF Hyannis West Elementary School Roof Truss System (2019-058)	08/15/19	06/30/39	850,000	51,050	49,850	48,650	47,450	46,250	45,050	43,850	42,600	41,300	-	-	1,172,264
CTF Barnstable High School Sports Field Upgrade (#2018-064)	08/15/19	06/30/34	4,600,000	341,600	332,450	323,300	314,150	-	-	-	-	-	-	-	6,098,068
<b>Total Schools Interest &amp; Principal</b>				<b>1,386,950</b>	<b>1,300,950</b>	<b>1,266,900</b>	<b>1,172,850</b>	<b>835,600</b>	<b>712,500</b>	<b>342,050</b>	<b>331,700</b>	<b>41,300</b>			<b>39,010,963</b>

FISCAL YEAR 2020 BUDGET

CAPITAL BUDGET AND DEBT SUMMARY

GENERAL FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2019	Payments FY 2020	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
CTF Private Road Repairs \$1,607,900	06/21/16	06/30/23	509,000	125,360	120,160	112,000	108,000	104,000	-	-	-	-	-	-	-
CTF Bridge Repair	06/14/11	06/15/21	250,000	28,000	27,000	26,000	-	-	-	-	-	-	-	-	-
CTF Sidewalk Improvements	06/14/11	06/15/21	350,000	39,200	37,800	36,400	-	-	-	-	-	-	-	-	-
CTF Baxter's Neck Road - Private Way	06/14/11	06/15/26	350,000	31,725	30,725	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	5,348	5,198	4,162	-	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 Drainage 1 (i)	04/18/12	09/15/22	193,200	22,828	22,228	21,628	18,968	15,504	-	-	-	-	-	-	-
CTF Private Road Repairs (I) \$633,000	11/22/13	11/15/23	633,000	74,200	72,575	65,700	63,900	62,250	60,750	-	-	-	-	-	-
CTF Sidewalk Overlays	11/22/13	11/15/23	190,000	22,750	22,250	21,650	21,050	15,563	15,188	-	-	-	-	-	-
CTF Bumps River Bridge Repair	11/22/13	11/15/23	120,000	11,500	11,250	10,950	10,650	10,375	10,125	-	-	-	-	-	-
CTF Guardrail Replacements	11/22/13	11/15/18	60,000	10,100	-	-	-	-	-	-	-	-	-	-	-
CTF Sidewalk/Guardrail Improvements 1	02/17/15	02/15/20	200,000	43,400	41,600	-	-	-	-	-	-	-	-	-	-
CTF Sidewalk/Guardrail Improvements 2	02/17/15	02/15/20	85,000	16,275	15,600	-	-	-	-	-	-	-	-	-	-
CTF Guardrail Improvements (#2015-098)	02/25/16	06/30/36	170,000	25,200	24,400	18,600	18,000	17,400	16,800	16,200	15,600	-	-	-	-
CTF Sidewalk Improvements (#2015-098)	02/25/16	06/30/36	230,000	32,200	31,200	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	50,319	48,919	47,519	46,119	44,719	43,319	41,919	40,519	39,119	38,419	37,544	31,800
CTF Road Repairs - Governor's Way (#2016-037)	02/25/16	06/30/31	304,000	28,925	28,125	27,325	26,525	25,725	24,925	24,125	23,325	22,525	22,125	21,625	21,200
CTF Private Roads Repairs (I) \$167,300	02/23/17	06/30/31	167,300	20,800	20,200	19,600	19,000	13,400	13,000	12,600	12,200	11,800	11,400	11,000	10,600
CTF Guardrail & Sidewalk Improvement Program (I) (#2016-103)	02/23/17	06/30/32	680,750	68,850	67,050	65,250	63,450	61,650	59,850	58,050	56,250	54,450	52,650	50,850	49,050
CTF Guardrail & Sidewalk (I) (#2017-073)	02/27/18	06/30/33	287,000	33,610	31,350	30,550	29,550	28,550	27,950	26,950	25,950	24,950	23,950	22,950	22,150
Total Public Ways Interest & Principal				690,589	657,630	567,258	478,137	445,260	316,431	222,894	215,394	152,844	148,544	143,969	134,800
GENERAL FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2019	Payments FY 2020	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
CTF Police Station Construction (I) \$400,000 Adv Refunded 6-15-05	02/17/15	02/15/25	181,650	23,130	22,320	21,600	20,880	20,160	19,440	18,720	-	-	-	-	-
CTF Building - Senior Center - Refunded	02/15/07	02/15/19	702,378	26,250	-	-	-	-	-	-	-	-	-	-	-
CTF Beach Facilities Improvements (I) \$270,000 Refunded	02/15/15	02/15/22	71,300	16,310	15,680	15,120	14,560	-	-	-	-	-	-	-	-
CTF Senior Center - Garden Level \$457,000 Refunded	02/17/15	02/15/27	195,000	25,555	24,700	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	44,940	43,410	41,050	39,730	38,410	37,090	30,770	29,650	27,810	-	-	-
CTF Bismore Park Visitor Center - CAP \$150,000	06/21/16	06/30/23	48,000	11,920	11,520	11,120	8,720	10,400	-	-	-	-	-	-	-
CTF Bismore Park Visitor Center \$465,000 Refunded	06/21/16	06/30/23	147,500	35,900	34,200	33,520	32,820	29,120	-	-	-	-	-	-	-
CTF Municipal Building Improvements \$297,000 Refunded	06/21/16	06/30/28	49,300	6,572	6,272	6,200	6,000	5,800	5,600	5,400	5,300	5,200	5,100	5,000	-
CTF Municipal Facility Improvements	06/16/10	06/15/29	402,500	6,994	6,744	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	35,969	34,719	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	21,280	20,520	19,760	-	-	-	-	-	-	-	-	-
CTF Municipal Facility Improvement	06/14/11	06/15/21	300,000	33,600	32,400	31,200	-	-	-	-	-	-	-	-	-
CTF Building - Town Hall Repairs - 01-087 Refunded	06/14/11	06/15/22	100,000	11,560	11,160	10,760	9,360	-	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 Building Improvements	04/18/12	09/15/22	96,600	11,414	11,114	10,814	10,464	6,732	-	-	-	-	-	-	-
CTF Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	71,229	67,500	65,700	63,600	61,200	-	-	-	-	-	-	-
CTF Tennis Courts	11/22/13	11/15/23	500,000	57,500	56,250	54,750	53,250	51,875	50,625	-	-	-	-	-	-
CTF US Custom House upgrades	11/22/13	11/15/23	263,000	28,750	28,125	27,375	26,625	25,938	25,313	-	-	-	-	-	-
CTF Osterville Community Building Upgrades	11/22/13	11/15/23	200,000	23,000	22,500	21,900	21,300	20,750	20,250	-	-	-	-	-	-
CTF Police Station Upgrades	11/22/13	11/15/23	168,000	17,250	16,875	16,425	15,975	15,563	15,188	-	-	-	-	-	-
CTF Town Hall Interior Upgrades	11/22/13	11/15/23	150,000	17,250	16,875	16,425	15,975	15,563	15,188	-	-	-	-	-	-
CTF Guyer Barn Upgrades	11/22/13	11/15/23	148,000	17,125	16,750	16,300	15,850	15,438	10,125	-	-	-	-	-	-
CTF MEA Facility Upgrades	11/22/13	11/15/23	131,000	16,700	16,325	10,950	10,650	10,375	10,125	-	-	-	-	-	-
CTF Beach Facility Design	11/22/13	11/15/18	115,000	20,200	-	-	-	-	-	-	-	-	-	-	-
CTF Pearl St Building Upgrades	11/22/13	11/15/23	114,000	11,500	11,250	10,950	10,650	10,375	10,125	-	-	-	-	-	-
CTF S&G Facility Roof Repairs	11/22/13	11/15/23	103,000	11,500	11,250	10,950	10,650	10,375	10,125	-	-	-	-	-	-
CTF Lombard Parking & Ballfield Design	11/22/13	11/15/18	101,000	20,200	-	-	-	-	-	-	-	-	-	-	-
CTF West Barnstable Community Building Upgrades	11/22/13	11/15/23	72,000	5,750	5,625	5,475	5,325	5,188	5,063	-	-	-	-	-	-
CTF Highway Operations Facility Construction	11/22/13	11/15/23	66,000	5,750	5,625	5,475	5,325	5,188	5,063	-	-	-	-	-	-
CTF Centerville Recreation Building	02/17/15	02/15/35	185,000	15,313	14,863	14,463	14,063	13,663	13,263	12,863	12,463	12,163	11,863	11,613	11,350
CTF Senior Center - Parking Lot Expansion	02/17/15	02/15/30	290,000	28,225	27,325	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	23,194	22,519	21,919	21,319	20,719	20,119	19,519	18,919	18,469	18,019	17,644	17,250
CTF Police Station Remodeling (#2015-100)	02/25/16	06/30/36	355,000	30,644	29,844	29,044	28,244	27,444	26,644	25,844	25,044	24,244	18,844	18,469	18,150

FISCAL YEAR 2020 BUDGET

CAPITAL BUDGET AND DEBT SUMMARY

GENERAL FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2031	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 Private Road Repairs \$1,607,900	06/21/16	06/30/23	509,000	-	-	-	-	-	-	-	-	-	-	-	569,520
CTF Bridge Repair	06/14/11	06/15/21	250,000	-	-	-	-	-	-	-	-	-	-	-	81,000
CTF Sidewalk Improvements	06/14/11	06/15/21	350,000	-	-	-	-	-	-	-	-	-	-	-	113,400
CTF Baxter's Neck Road - Private Way	06/14/11	06/15/26	350,000	-	-	-	-	-	-	-	-	-	-	-	203,150
CTF Advance Refund 6/15/2003 Main St. Hyannis Infr. Improv.	04/18/12	09/15/20	39,100	-	-	-	-	-	-	-	-	-	-	-	14,708
CTF Advance Refund 6/15/2003 Drainage 1 (i)	04/18/12	09/15/22	193,200	-	-	-	-	-	-	-	-	-	-	-	101,156
CTF Private Road Repairs (i) \$633,000	11/22/13	11/15/23	633,000	-	-	-	-	-	-	-	-	-	-	-	399,375
CTF Sidewalk Overlays	11/22/13	11/15/23	190,000	-	-	-	-	-	-	-	-	-	-	-	118,450
CTF Bumps River Bridge Repair	11/22/13	11/15/23	120,000	-	-	-	-	-	-	-	-	-	-	-	64,850
CTF Guardrail Replacements	11/22/13	11/15/18	60,000	-	-	-	-	-	-	-	-	-	-	-	10,100
CTF Sidewalk/Guardrail Improvements 1	02/17/15	02/15/20	200,000	-	-	-	-	-	-	-	-	-	-	-	85,000
CTF Sidewalk/Guardrail Improvements 2	02/17/15	02/15/20	85,000	-	-	-	-	-	-	-	-	-	-	-	31,875
CTF Guardrail Improvements (#2015-098)	02/25/16	06/30/36	170,000	-	-	-	-	-	-	-	-	-	-	-	152,200
CTF Sidewalk Improvements (#2015-098)	02/25/16	06/30/36	230,000	-	-	-	-	-	-	-	-	-	-	-	210,800
CTF Road Repairs (#2015-102)	02/25/16	06/30/31	518,000	30,900	-	-	-	-	-	-	-	-	-	-	541,131
CTF Road Repairs - Governor's Way (#2016-037)	02/25/16	06/30/31	304,000	20,600	-	-	-	-	-	-	-	-	-	-	317,075
CTF Private Roads Repairs (i) \$167,300	02/23/17	06/30/31	167,300	10,300	-	-	-	-	-	-	-	-	-	-	185,900
CTF Guardrail & Sidewalk Improvement Program (i) (#2016-103)	02/23/17	06/30/32	680,750	47,700	46,350	-	-	-	-	-	-	-	-	-	801,450
CTF Guardrail & Sidewalk (i) (#2017-073)	02/27/18	06/30/33	287,000	16,350	15,900	15,450	-	-	-	-	-	-	-	-	376,160
<b>Total Public Ways Interest &amp; Principal</b>				<b>125,850</b>	<b>62,250</b>	<b>15,450</b>									<b>4,377,300</b>

GENERAL FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2031	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 Station Construction (i) \$400,000 Adv Refunded 6-15-05	02/17/15	02/15/25	181,650	-	-	-	-	-	-	-	-	-	-	-	146,250
CTF Building - Senior Center - Refunded	02/15/07	02/15/19	702,378	-	-	-	-	-	-	-	-	-	-	-	26,250
CTF Beach Facilities Improvements (i) \$270,000 Refunded	02/15/15	02/15/22	71,300	-	-	-	-	-	-	-	-	-	-	-	61,670
CTF Senior Center - Garden Level \$457,000 Refunded	02/17/15	02/15/27	195,000	-	-	-	-	-	-	-	-	-	-	-	202,065
CTF Town Building Repairs & Renovations \$685,000 Refunded	02/17/15	02/15/27	317,600	-	-	-	-	-	-	-	-	-	-	-	332,860
CTF Bismore Park Visitor Center - CAP \$150,000	06/21/16	06/30/23	48,000	-	-	-	-	-	-	-	-	-	-	-	53,680
CTF Bismore Park Visitor Center \$465,000 Refunded	06/21/16	06/30/23	147,500	-	-	-	-	-	-	-	-	-	-	-	165,060
CTF Municipal Building Improvements \$297,000 Refunded	06/21/16	06/30/28	49,300	-	-	-	-	-	-	-	-	-	-	-	56,844
CTF Municipal Facility Improvements	06/16/10	06/15/29	402,500	-	-	-	-	-	-	-	-	-	-	-	67,063
CTF Police Facility	06/16/10	06/15/30	508,000	-	-	-	-	-	-	-	-	-	-	-	372,313
CTF Building - Town Hall Space - 00-110 Refunded	06/14/11	06/15/21	180,000	-	-	-	-	-	-	-	-	-	-	-	61,560
CTF Municipal Facility Improvement	06/14/11	06/15/21	300,000	-	-	-	-	-	-	-	-	-	-	-	97,200
CTF Building - Town Hall Repairs - 01-087 Refunded	06/14/11	06/15/22	100,000	-	-	-	-	-	-	-	-	-	-	-	42,840
CTF Advance Refund 6/15/2003 Building Improvements	04/18/12	09/15/22	96,600	-	-	-	-	-	-	-	-	-	-	-	50,538
CTF Advance Refund 6/15/2003 Police Facility Addition	04/18/12	09/15/22	626,900	-	-	-	-	-	-	-	-	-	-	-	329,229
CTF Tennis Courts	11/22/13	11/15/23	500,000	-	-	-	-	-	-	-	-	-	-	-	324,250
CTF US Custom House upgrades	11/22/13	11/15/23	263,000	-	-	-	-	-	-	-	-	-	-	-	162,125
CTF Osterville Community Building Upgrades	11/22/13	11/15/23	200,000	-	-	-	-	-	-	-	-	-	-	-	129,700
CTF Police Station Upgrades	11/22/13	11/15/23	168,000	-	-	-	-	-	-	-	-	-	-	-	97,275
CTF Town Hall Interior Upgrades	11/22/13	11/15/23	150,000	-	-	-	-	-	-	-	-	-	-	-	97,275
CTF Guyer Barn Upgrades	11/22/13	11/15/23	148,000	-	-	-	-	-	-	-	-	-	-	-	91,588
CTF MEA Facility Upgrades	11/22/13	11/15/23	131,000	-	-	-	-	-	-	-	-	-	-	-	75,125
CTF Beach Facility Design	11/22/13	11/15/18	115,000	-	-	-	-	-	-	-	-	-	-	-	20,200
CTF Pearl St Building Upgrades	11/22/13	11/15/23	114,000	-	-	-	-	-	-	-	-	-	-	-	64,850
CTF S&G Facility Roof Repairs	11/22/13	11/15/23	103,000	-	-	-	-	-	-	-	-	-	-	-	64,850
CTF Lombard Parking & Ballfield Design	11/22/13	11/15/18	101,000	-	-	-	-	-	-	-	-	-	-	-	20,200
CTF West Barnstable Community Building Upgrades	11/22/13	11/15/23	72,000	-	-	-	-	-	-	-	-	-	-	-	32,425
CTF Highway Operations Facility Construction	11/22/13	11/15/23	66,000	-	-	-	-	-	-	-	-	-	-	-	32,425
CTF Centerville Recreation Building	02/17/15	02/15/35	185,000	11,050	10,750	5,450	5,300	5,150	-	-	-	-	-	-	195,638
CTF Senior Center - Parking Lot Expansion	02/17/15	02/15/30	290,000	-	-	-	-	-	-	-	-	-	-	-	277,075
CTF Police Facilities	02/17/15	02/15/35	288,000	16,800	16,350	10,900	10,600	10,300	-	-	-	-	-	-	304,556
CTF Police Station Remodeling (#2015-100)	02/25/16	06/30/36	355,000	17,700	17,250	16,800	16,350	15,900	15,450	-	-	-	-	-	401,906

**FISCAL YEAR 2020 BUDGET**

**CAPITAL BUDGET AND DEBT SUMMARY**

CTF Town Hall Remodeling (#2015-101)	02/25/16	06/30/36	939,000	77,831	75,831	73,831	71,831	69,831	62,831	61,031	59,231	57,431	56,531	55,406	54,450	
CTF Joshua's Pond Recreational Facility (#2015-111)	02/25/16	06/30/31	282,000	28,394	27,594	26,794	25,994	25,194	24,394	23,594	22,794	21,994	16,594	16,219	15,900	
CTF Craigville Beach Bathhouse (#2016-031)	02/25/16	06/30/36	450,000	38,525	37,525	36,525	35,525	34,525	33,525	32,525	31,525	25,525	25,125	24,625	24,200	
CTF IT Hardware and Software Upgrade (I) (#2016-086)	02/23/17	06/30/22	342,000	80,800	78,000	70,200	67,600	-	-	-	-	-	-	-	-	
CTF Marstons Mills Parking Lot (I) (#2016-087)	02/23/17	06/30/22	246,450	57,800	55,800	53,800	46,800	-	-	-	-	-	-	-	-	
CTF Beach Facility Improvement (I) (#2016-110)	02/23/17	06/30/27	438,000	60,600	58,800	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	64,794	63,194	61,594	54,994	53,594	52,194	50,794	49,394	47,994	46,594	45,194	43,794	
CTF Lombard Field Improvements (I) (#2016-113)	02/23/17	06/30/37	895,000	75,938	74,138	72,338	70,538	68,738	66,938	65,138	63,338	61,538	59,738	57,938	56,138	
CTF West Barnstable Shooting Range (I) (#2017-074)	02/27/18	06/30/28	314,000	52,504	47,800	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)	08/15/19	06/30/24	461,750	-	119,132	113,250	103,500	99,000	94,500	-	-	-	-	-	-	
CTF Senior Center Renovations (#2018-076)	08/15/19	06/30/39	659,000	-	65,890	60,788	59,038	57,288	55,538	53,788	52,038	50,288	48,538	46,788	45,038	
CTF Osterville Recreation Building Design & Construction (#2017-086)	08/15/19	06/30/39	675,000	-	62,278	61,388	59,638	57,888	56,138	54,388	52,638	50,888	49,138	47,388	45,638	
CTF Town Hall Restroom Renovations	08/15/19	06/30/39	560,000	-	52,836	52,056	50,556	49,056	47,556	46,056	44,556	43,056	41,556	40,056	38,556	
CTF Former Marston Mills Elementary School Demo (2018-094)	08/15/19	06/30/24	176,050	-	44,584	42,000	40,250	38,500	36,750	-	-	-	-	-	-	
CTF School Administration Building (#2018-092)	08/15/19	06/30/24	285,000	-	73,815	71,250	63,250	60,500	57,750	-	-	-	-	-	-	
<b>Total Public Facilities Interest &amp; Principal</b>				<b>1,269,658</b>	<b>1,580,874</b>	<b>1,514,484</b>	<b>1,394,014</b>	<b>1,212,217</b>	<b>1,060,053</b>	<b>662,115</b>	<b>622,865</b>	<b>597,218</b>	<b>483,788</b>	<b>434,363</b>	<b>406,763</b>	
<b>GENERAL FUND INTEREST &amp; PRINCIPAL</b>																
	Issue Date	Maturity Date	Original Amount	Payments FY 2019	Payments FY 2020	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	
CTF Pleasant St. Dock - 1 \$350,000 Refunded	06/21/16	06/30/23	109,500	27,380	25,960	24,560	22,680	21,840	-	-	-	-	-	-	-	
CTF Pleasant St. Dock - 2 \$350,000 Refunded	06/21/16	06/30/23	110,000	27,400	26,480	24,560	22,680	21,840	-	-	-	-	-	-	-	
CTF Boat Ramps - CAP \$927,000 Refunded	06/21/16	06/30/23	290,000	66,600	69,400	67,000	64,600	57,200	-	-	-	-	-	-	-	
CTF Dredging	06/16/10	06/15/24	419,250	36,125	34,625	33,725	32,825	31,850	25,875	-	-	-	-	-	-	
CTF Boat Ramp Renovations	06/14/11	06/15/21	250,000	28,000	27,000	26,000	-	-	-	-	-	-	-	-	-	
CTF Dredging East Bay & Blish Point	06/14/11	06/15/21	665,000	72,800	70,200	67,600	-	-	-	-	-	-	-	-	-	
CTF Prince Cove/Hayward Rd. Boat Ramp	06/14/11	06/15/26	600,000	52,250	50,650	49,050	47,450	45,850	44,250	42,900	41,500	-	-	-	-	
CTF East Bay Dredging	11/22/13	11/15/23	600,000	69,000	67,500	65,700	63,900	62,250	60,750	-	-	-	-	-	-	
CTF Hyannis Harbor Bulkhead Construction	11/22/13	11/15/23	142,000	16,850	16,475	16,025	10,650	10,375	10,125	-	-	-	-	-	-	
CTF Millway Boat Ramp & Dock Upgrades	11/22/13	11/15/23	133,000	16,700	16,325	10,950	10,650	10,375	10,125	-	-	-	-	-	-	
CTF Blish Point Sand Management	02/17/15	02/15/20	215,000	43,400	41,600	-	-	-	-	-	-	-	-	-	-	
CTF Dredge Permitting/Planning	02/17/15	02/15/20	341,000	70,525	67,600	-	-	-	-	-	-	-	-	-	-	
CTF Marstons Mills Fish Run Reconstruction	02/17/15	02/15/30	326,000	33,750	27,625	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	19,400	18,800	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	65,600	63,600	61,600	59,600	57,600	55,600	48,600	46,800	-	-	-	-	
CTF Blish Point Boat Access Channel Dredging (I) (#2016-111)	02/23/17	06/30/37	943,900	82,506	80,506	78,506	76,506	74,506	72,506	70,506	63,506	61,706	59,906	58,106	56,306	
<b>Total Waterways Interest &amp; Principal</b>				<b>728,286</b>	<b>704,346</b>	<b>570,301</b>	<b>455,166</b>	<b>435,911</b>	<b>320,056</b>	<b>196,431</b>	<b>185,031</b>	<b>83,931</b>	<b>81,531</b>	<b>79,231</b>	<b>76,906</b>	
<b>GENERAL FUND INTEREST &amp; PRINCIPAL</b>																
	Issue Date	Maturity Date	Original Amount	Payments FY 2019	Payments FY 2020	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	
CTF MWPAT CW-04-31 Pool 11	11/09/07	07/15/20	389,216	33,999	33,999	33,999	-	-	-	-	-	-	-	-	-	
CTF Lake Treatment	06/16/10	06/15/25	275,000	24,075	23,075	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	23,330	23,330	-	-	-	-	-	-	-	-	-	
CTF Advance Refund 6/15/2003 Drainage 2 (i)	04/18/12	09/15/22	96,700	11,418	11,118	10,818	10,468	6,834	-	-	-	-	-	-	-	
CTF Nitrogen Management CW-04-31-B Series 16	05/14/15	07/15/20	157,531	27,882	27,922	27,963	-	-	-	-	-	-	-	-	-	
CTF Water Quality Evaluation	11/22/13	11/15/23	230,000	28,200	27,575	21,900	21,300	20,750	20,250	-	-	-	-	-	-	
CTF Sewer Expansion Analysis	11/22/13	11/15/18	70,000	10,100	-	-	-	-	-	-	-	-	-	-	-	
CTF Hamblin Pond Alum Treatment (#2015-112)	02/25/16	06/30/31	300,000	28,925	28,125	27,325	26,525	25,725	24,925	24,125	23,325	22,525	22,125	21,625	21,200	
CTF CW-04-31-R Mass Clean Water Trust (#2002-081)	04/13/17	07/15/20	255,941	88,750	88,898	88,898	-	-	-	-	-	-	-	-	-	
<b>Total Water Quality Interest &amp; Principal</b>				<b>276,680</b>	<b>264,043</b>	<b>162,810</b>	<b>75,318</b>	<b>69,847</b>	<b>61,225</b>	<b>39,650</b>	<b>23,325</b>	<b>22,525</b>	<b>22,125</b>	<b>21,625</b>	<b>21,200</b>	
<b>TOTAL GENERAL FUND BOND OBLIGATIONS</b>				<b>9,971,301</b>	<b>7,139,304</b>	<b>5,693,372</b>	<b>5,131,185</b>	<b>4,733,946</b>	<b>4,183,158</b>	<b>3,314,901</b>	<b>3,167,786</b>	<b>2,684,555</b>	<b>2,398,688</b>	<b>2,209,250</b>	<b>2,119,769</b>	
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>																
	Issue Date	Maturity Date	Original Amount	Payments FY 2019	Payments FY 2020	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	
Airport (O)	06/14/11	06/15/31	730,000	50,600	54,400	53,000	51,600	55,200	53,600	52,250	50,850	54,350	52,663	50,863	54,063	
Airport Terminal Ramp Construction - Phase 2 (O) (#2013-0101)	02/23/17	06/30/37	428,000	29,813	29,213	28,613	28,013	32,413	31,613	30,813	30,013	29,213	28,413	32,613	31,613	
Airport New Fuel Farm (I) (#2013-102)	02/23/17	06/30/36	634,500	46,875	45,875	44,875	43,875	47,875	46,675	45,475	44,275	48,075	46,675	45,275	43,875	

**FISCAL YEAR 2020 BUDGET**

**CAPITAL BUDGET AND DEBT SUMMARY**

CTF Town Hall Remodeling (#2015-101)	02/25/16	06/30/36	939,000	53,100	51,750	50,400	49,050	47,700	46,350	-	-	-	-	-	-	1,074,419
CTF Joshua's Pond Recreational Facility (#2015-111)	02/25/16	06/30/31	282,000	15,450	-	-	-	-	-	-	-	-	-	-	-	290,906
CTF Craigville Beach Bathhouse (#2016-031)	02/25/16	06/30/36	450,000	23,600	23,000	22,400	21,800	21,200	20,600	-	-	-	-	-	-	512,275
CTF IT Hardware and Software Upgrade (I) (#2016-086)	02/23/17	06/30/22	342,000	-	-	-	-	-	-	-	-	-	-	-	-	296,600
CTF Marstons Mills Parking Lot (I) (#2016-087)	02/23/17	06/30/22	246,450	-	-	-	-	-	-	-	-	-	-	-	-	214,200
CTF Beach Facility Improvement (I) (#2016-110)	02/23/17	06/30/27	438,000	-	-	-	-	-	-	-	-	-	-	-	-	466,200
CTF Osterville Bay Elem School Improvements (I) (#2016-112)	02/23/17	06/30/37	724,300	42,744	41,694	40,644	39,594	38,456	37,319	36,181	-	-	-	-	-	910,756
CTF Lombard Field Improvements (I) (#2016-113)	02/23/17	06/30/37	895,000	54,788	53,438	52,088	50,738	49,275	47,813	41,350	-	-	-	-	-	1,141,938
CTF West Barnstable Shooting Range (I) (#2017-074)	02/27/18	06/30/28	314,000	-	-	-	-	-	-	-	-	-	-	-	-	392,504
CTF Design and Hazmat Removal Project Armory Building (2018-096)	08/15/19	06/30/24	461,750	-	-	-	-	-	-	-	-	-	-	-	-	529,382
CTF Senior Center Renovations (#2018-076)	08/15/19	06/30/39	659,000	38,288	37,388	36,488	35,588	34,688	33,788	32,888	31,950	30,975	-	-	-	907,052
CTF Osterville Recreation Building Design & Construction (#2017-086)	08/15/19	06/30/39	675,000	43,888	42,838	41,788	40,738	39,688	38,788	37,888	36,950	36,075	-	-	-	930,940
CTF Town Hall Restroom Renovations	08/15/19	06/30/39	560,000	37,056	31,156	30,406	29,656	28,906	28,156	27,406	26,625	25,813	-	-	-	771,080
CTF Former Marston Mills Elementary School Demo (2018-094)	08/15/19	06/30/24	176,050	-	-	-	-	-	-	-	-	-	-	-	-	202,084
CTF School Administration Building (#2018-092)	08/15/19	06/30/24	285,000	-	-	-	-	-	-	-	-	-	-	-	-	326,565
<b>Total Public Facilities Interest &amp; Principal</b>				<b>354,463</b>	<b>325,613</b>	<b>307,363</b>	<b>299,413</b>	<b>286,263</b>	<b>263,263</b>	<b>170,713</b>	<b>90,525</b>	<b>87,763</b>				<b>13,423,785</b>
<b>GENERAL FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2031</b>	<b>Payments FY 2032</b>	<b>Payments FY 2033</b>	<b>Payments FY 2034</b>	<b>Payments FY 2035</b>	<b>Payments FY 2036</b>	<b>Payments FY 2037</b>	<b>Payments FY 2038</b>	<b>Payments FY 2039</b>	<b>Payments FY 2040</b>	<b>Payments FY 2041</b>	<b>Balance</b>	
CTF Pleasant St. Dock - 1 \$350,000 Refunded	06/21/16	06/30/23	109,500	-	-	-	-	-	-	-	-	-	-	-	122,420	
CTF Pleasant St. Dock - 2 \$350,000 Refunded	06/21/16	06/30/23	110,000	-	-	-	-	-	-	-	-	-	-	-	122,960	
CTF Boat Ramps - CAP \$927,000 Refunded	06/21/16	06/30/23	290,000	-	-	-	-	-	-	-	-	-	-	-	324,800	
CTF Dredging	06/16/10	06/15/24	419,250	-	-	-	-	-	-	-	-	-	-	-	195,025	
CTF Boat Ramp Renovations	06/14/11	06/15/21	250,000	-	-	-	-	-	-	-	-	-	-	-	81,000	
CTF Dredging East Bay & Blish Point	06/14/11	06/15/21	665,000	-	-	-	-	-	-	-	-	-	-	-	210,600	
CTF Prince Cove/Hayward Rd. Boat Ramp	06/14/11	06/15/26	600,000	-	-	-	-	-	-	-	-	-	-	-	373,900	
CTF East Bay Dredging	11/22/13	11/15/23	600,000	-	-	-	-	-	-	-	-	-	-	-	389,100	
CTF Hyannis Harbor Bulkhead Construction	11/22/13	11/15/23	142,000	-	-	-	-	-	-	-	-	-	-	-	80,500	
CTF Millway Boat Ramp & Dock Upgrades	11/22/13	11/15/23	133,000	-	-	-	-	-	-	-	-	-	-	-	75,125	
CTF Blish Point Sand Management	02/17/15	02/15/20	215,000	-	-	-	-	-	-	-	-	-	-	-	85,000	
CTF Dredge Permitting/Planning	02/17/15	02/15/20	341,000	-	-	-	-	-	-	-	-	-	-	-	138,125	
CTF Marstons Mills Fish Run Reconstruction	02/17/15	02/15/30	326,000	-	-	-	-	-	-	-	-	-	-	-	295,900	
CTF Paving: Bay Street Boat Ramp (#2015-099)	02/25/16	06/30/26	142,000	-	-	-	-	-	-	-	-	-	-	-	128,600	
CTF Channel Dredging - Barnstable Harbor (#2016-035)	02/25/16	06/30/26	490,000	-	-	-	-	-	-	-	-	-	-	-	459,000	
CTF Blish Point Boat Access Channel Dredging (I) (#2016-111)	02/23/17	06/30/37	943,900	54,956	53,606	52,256	50,906	49,444	47,981	46,519	-	-	-	-	1,190,744	
<b>Total Waterways Interest &amp; Principal</b>				<b>54,956</b>	<b>53,606</b>	<b>52,256</b>	<b>50,906</b>	<b>49,444</b>	<b>47,981</b>	<b>46,519</b>					<b>4,272,799</b>	
<b>GENERAL FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2031</b>	<b>Payments FY 2032</b>	<b>Payments FY 2033</b>	<b>Payments FY 2034</b>	<b>Payments FY 2035</b>	<b>Payments FY 2036</b>	<b>Payments FY 2037</b>	<b>Payments FY 2038</b>	<b>Payments FY 2039</b>	<b>Payments FY 2040</b>	<b>Payments FY 2041</b>	<b>Balance</b>	
CTF MWPAT CW-04-31 Pool 11	11/09/07	07/15/20	389,216	-	-	-	-	-	-	-	-	-	-	-	101,998	
CTF Lake Treatment	06/16/10	06/15/25	275,000	-	-	-	-	-	-	-	-	-	-	-	129,763	
CTF Nitrogen Management CW-04-31-A	03/15/11	07/15/20	211,460	-	-	-	-	-	-	-	-	-	-	-	69,991	
CTF Advance Refund 6/15/2003 Drainage 2 (i)	04/18/12	09/15/22	96,700	-	-	-	-	-	-	-	-	-	-	-	50,656	
CTF Nitrogen Management CW-04-31-B Series 16	05/14/15	07/15/20	157,531	-	-	-	-	-	-	-	-	-	-	-	83,767	
CTF Water Quality Evaluation	11/22/13	11/15/23	230,000	-	-	-	-	-	-	-	-	-	-	-	139,975	
CTF Sewer Expansion Analysis	11/22/13	11/15/18	70,000	-	-	-	-	-	-	-	-	-	-	-	10,100	
CTF Hamblin Pond Alum Treatment (#2015-112)	02/25/16	06/30/31	300,000	20,600	-	-	-	-	-	-	-	-	-	-	317,075	
CTF CW-04-31-R Mass Clean Water Trust (#2002-081)	04/13/17	07/15/20	255,941	-	-	-	-	-	-	-	-	-	-	-	177,648	
<b>Total Water Quality Interest &amp; Principal</b>				<b>20,600</b>											<b>1,080,972</b>	
<b>TOTAL GENERAL FUND BOND OBLIGATIONS</b>				<b>1,942,819</b>	<b>1,742,419</b>	<b>1,641,969</b>	<b>1,523,169</b>	<b>1,171,306</b>	<b>1,023,744</b>	<b>559,281</b>	<b>422,225</b>	<b>129,063</b>			<b>62,903,209</b>	
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2031</b>	<b>Payments FY 2032</b>	<b>Payments FY 2033</b>	<b>Payments FY 2034</b>	<b>Payments FY 2035</b>	<b>Payments FY 2036</b>	<b>Payments FY 2037</b>	<b>Payments FY 2038</b>	<b>Payments FY 2039</b>	<b>Payments FY 2040</b>	<b>Payments FY 2041</b>	<b>Balance</b>	
Airport (O)	06/14/11	06/15/31	730,000	52,063	-	-	-	-	-	-	-	-	-	-	685,500	
Airport Terminal Ramp Construction - Phase 2 (O) (#2013-0101)	02/23/17	06/30/37	428,000	30,863	30,113	29,363	28,613	27,800	31,988	31,013	-	-	-	-	572,100	
Airport New Fuel Farm (I) (#2013-102)	02/23/17	06/30/36	634,500	47,825	46,625	45,425	44,225	47,925	46,463	-	-	-	-	-	828,188	

FISCAL YEAR 2020 BUDGET

CAPITAL BUDGET AND DEBT SUMMARY

Airport East Ramp Design & Construction (O) (#2014-053)	02/23/17	06/30/37	641,200	47,169	46,169	45,169	44,169	43,169	47,169	45,969	44,769	43,569	42,369	46,169	44,769
Runway Reconstruction & Generator Replacement	08/15/19	06/30/39	355,500	-	35,205	34,144	33,144	32,144	31,144	30,144	29,144	28,144	27,144	26,144	25,144
Airfield Improvements	08/15/19	06/30/31	59,700	-	7,497	7,650	7,400	7,150	6,900	6,650	6,400	6,150	5,900	5,650	5,400
<b>Total Airport Fund Bonds</b>				<b>174,456</b>	<b>218,358</b>	<b>213,450</b>	<b>208,200</b>	<b>217,950</b>	<b>217,100</b>	<b>211,300</b>	<b>205,450</b>	<b>209,500</b>	<b>203,163</b>	<b>206,713</b>	<b>204,863</b>
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2019</b>	<b>Payments FY 2020</b>	<b>Payments FY 2021</b>	<b>Payments FY 2022</b>	<b>Payments FY 2023</b>	<b>Payments FY 2024</b>	<b>Payments FY 2025</b>	<b>Payments FY 2026</b>	<b>Payments FY 2027</b>	<b>Payments FY 2028</b>	<b>Payments FY 2029</b>	<b>Payments FY 2030</b>
Hyannis Golf Course Acquisition \$3,900,000 Refunded	02/17/15	02/15/25	1,951,500	290,660	289,760	289,600	289,080	288,200	291,960	290,160	-	-	-	-	-
Olde Barnstable Golf Course Maintenance Equipment	02/17/15	02/15/20	200,000	43,400	41,600	-	-	-	-	-	-	-	-	-	-
Olde Barnstable Building Improvements (#2015-105)	02/25/16	06/30/26	174,000	20,800	20,200	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	19,800	19,200	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	23,513	22,913	22,313	21,713	21,113	20,513	19,913	19,313	13,713	13,313	12,913	12,513
Hyannis Golf Course Improvements (I) (#2016-108)	02/23/17	06/30/37	292,700	24,875	24,275	23,675	23,075	22,475	21,875	21,275	20,675	20,075	19,475	18,875	18,275
Hyannis Golf Course Turf Maintenance (I) (#2017-085)	02/27/18	06/30/23	310,000	76,938	75,400	67,800	64,800	61,800	-	-	-	-	-	-	-
<b>Total Golf Course</b>				<b>499,986</b>	<b>493,348</b>	<b>441,588</b>	<b>440,668</b>	<b>434,188</b>	<b>373,548</b>	<b>369,148</b>	<b>76,388</b>	<b>33,788</b>	<b>32,788</b>	<b>31,788</b>	<b>30,788</b>
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2019</b>	<b>Payments FY 2020</b>	<b>Payments FY 2021</b>	<b>Payments FY 2022</b>	<b>Payments FY 2023</b>	<b>Payments FY 2024</b>	<b>Payments FY 2025</b>	<b>Payments FY 2026</b>	<b>Payments FY 2027</b>	<b>Payments FY 2028</b>	<b>Payments FY 2029</b>	<b>Payments FY 2030</b>
Sewer 98-27, Series 5	08/25/04	08/01/19	329,295	28,194	26,961	-	-	-	-	-	-	-	-	-	-
Sewer 98-27	08/25/04	08/01/19	(subsidy)	(9,441)	(8,491)	-	-	-	-	-	-	-	-	-	-
Sewer 98-42, Series 5	08/25/04	08/01/19	216,429	16,357	20,550	-	-	-	-	-	-	-	-	-	-
Sewer 98-42, Series 5	08/25/04	08/01/19	(subsidy)	(6,241)	(5,578)	-	-	-	-	-	-	-	-	-	-
Sewer 98-44, Series 5	08/25/04	08/01/19	112,262	9,530	9,113	-	-	-	-	-	-	-	-	-	-
Sewer 98-44, Series 5	08/25/04	08/01/19	(subsidy)	(3,229)	(2,908)	-	-	-	-	-	-	-	-	-	-
Sewer 98-46, Series 5	08/25/04	08/01/19	1,398,265	118,436	118,163	-	-	-	-	-	-	-	-	-	-
Sewer 98-46, Series 5	08/25/04	08/01/19	(subsidy)	(40,301)	(36,199)	-	-	-	-	-	-	-	-	-	-
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	436,370	31,305	33,983	33,040	32,250	30,750	-	-	-	-	-	-	-
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	(subsidy)	(11,704)	(10,636)	(10,267)	(9,974)	(9,028)	-	-	-	-	-	-	-
Sewer 98-44A	12/14/06	08/01/23	1,582,178	126,434	126,831	126,588	121,424	120,681	115,000	-	-	-	-	-	-
Sewer 98-44A	12/14/06	08/01/23	(subsidy)	(46,919)	(45,096)	(42,911)	(40,775)	(38,360)	(34,430)	-	-	-	-	-	-
Sewer 98-49A	12/14/06	08/01/23	556,458	44,287	42,747	45,863	43,989	41,976	40,000	-	-	-	-	-	-
Sewer 98-49A	12/14/06	08/01/23	(subsidy)	(16,478)	(15,872)	(15,082)	(14,307)	(13,463)	(12,096)	-	-	-	-	-	-
Waste Water Treatment Plant Sewer Turbine Generator \$570,000 Refunded	06/21/16	06/30/28	251,000	33,040	31,040	31,080	30,080	26,080	33,200	27,000	26,500	26,000	25,500	-	-
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	41,636	41,636	41,637	41,637	41,637	41,637	41,637	41,637	41,637	41,637	41,636	-
Sewer (I)	06/14/11	06/15/21	300,000	33,600	32,400	31,200	-	-	-	-	-	-	-	-	-
Sewer CW-04-35A Pool 13	06/06/12	07/15/27	1,469,137	107,307	107,295	107,284	107,272	107,259	107,247	107,234	107,221	107,207	107,193	-	-
Rehab Clarifiers (#2015-091)	02/25/16	06/30/36	1,000,000	79,813	77,813	75,813	73,813	71,813	69,813	67,813	65,813	63,813	62,813	61,563	60,500
Pump Station/Sewer Main Const (#2009-132)	02/25/16	06/30/21	318,000	72,400	64,800	62,400	-	-	-	-	-	-	-	-	-
Wastewater Treatment Plant Clarifiers Rehab (O) (#2016-097)	02/23/17	06/30/37	1,146,000	99,619	97,219	94,819	92,419	90,019	87,619	85,219	82,819	75,419	73,219	71,019	68,819
Wastewater Treatment Plant Backup Generator (O) (#2016-098)	02/23/17	06/30/37	862,000	74,850	73,050	71,250	69,450	67,650	65,850	64,050	62,250	60,450	58,650	56,850	50,050
<b>Total Water Pollution Control Enterprise Fund</b>				<b>1,109,162</b>	<b>1,105,487</b>	<b>979,381</b>	<b>873,944</b>	<b>863,680</b>	<b>840,507</b>	<b>719,619</b>	<b>712,907</b>	<b>701,193</b>	<b>695,679</b>	<b>231,068</b>	<b>179,369</b>
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2019</b>	<b>Payments FY 2020</b>	<b>Payments FY 2021</b>	<b>Payments FY 2022</b>	<b>Payments FY 2023</b>	<b>Payments FY 2024</b>	<b>Payments FY 2025</b>	<b>Payments FY 2026</b>	<b>Payments FY 2027</b>	<b>Payments FY 2028</b>	<b>Payments FY 2029</b>	<b>Payments FY 2030</b>
Solid Waste Landfill Closure - 98-24, Series 4	08/25/04	08/01/18	5,166,301	465,350	-	-	-	-	-	-	-	-	-	-	-
Solid Waste Landfill Closure - 98-24, Series 4	08/25/04	08/01/18	(subsidy)	(129,348)	-	-	-	-	-	-	-	-	-	-	-
Solid Waste Facility (I) \$630,000 Refunded	02/17/15	02/15/27	284,900	38,825	37,520	36,360	35,200	33,040	31,920	30,800	29,680	28,840	-	-	-
Advance Refund 6/15/2003 Transfer Station Improvements	04/18/12	09/15/22	241,500	28,535	27,785	27,035	22,240	20,910	-	-	-	-	-	-	-
<b>Total Solid Waste Fund</b>				<b>403,362</b>	<b>65,305</b>	<b>63,395</b>	<b>57,440</b>	<b>53,950</b>	<b>31,920</b>	<b>30,800</b>	<b>29,680</b>	<b>28,840</b>	-	-	-
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2019</b>	<b>Payments FY 2020</b>	<b>Payments FY 2021</b>	<b>Payments FY 2022</b>	<b>Payments FY 2023</b>	<b>Payments FY 2024</b>	<b>Payments FY 2025</b>	<b>Payments FY 2026</b>	<b>Payments FY 2027</b>	<b>Payments FY 2028</b>	<b>Payments FY 2029</b>	<b>Payments FY 2030</b>
Water Co. (Level Debt) (O) \$10,000,000 Refunded	02/17/15	02/15/27	5,704,800	691,615	690,430	693,870	691,350	692,070	691,870	689,750	692,750	692,160	-	-	-
MWPAT DWS-09-02	07/08/10	07/15/30	2,788,911	169,185	169,184	169,184	169,185	169,184	169,184	169,185	169,184	169,184	169,184	169,184	169,184
DW-09-02 Series 16	05/14/15	07/15/32	533,117	35,049	35,089	35,129	35,170	35,213	35,256	35,300	35,346	35,391	35,439	35,487	35,536
DWP-11-09 Series 17A	05/14/15	01/15/33	793,438	52,552	52,620	52,689	52,759	52,831	52,904	52,980	53,057	53,135	53,215	53,298	53,381

FISCAL YEAR 2020 BUDGET

CAPITAL BUDGET AND DEBT SUMMARY

Issue	Maturity	Original	Payments	Payments	Payments	Payments	Payments	Payments	Payments	Payments	Payments	Payments	Payments	Payments	Balance
Date	Date	Amount	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036	FY 2037	FY 2038	FY 2039	FY 2040	FY 2041		
Airport East Ramp Design & Construction (O) (#2014-053)	02/23/17	06/30/37	641,200	43,719	42,669	46,619	45,419	44,119	42,819	46,519	-	-	-	-	852,506
Runway Reconstruction & Generator Replacement	08/15/19	06/30/39	355,500	19,144	18,694	18,244	17,794	17,344	16,894	16,444	15,975	15,488	-	-	487,662
Airfield Improvements	08/15/19	06/30/31	59,700	5,150	-	-	-	-	-	-	-	-	-	-	77,897
<b>Total Airport Fund Bonds</b>			<b>198,763</b>	<b>138,100</b>	<b>139,650</b>	<b>136,050</b>	<b>137,188</b>	<b>138,163</b>	<b>93,975</b>	<b>15,975</b>	<b>15,488</b>	-	-	<b>3,503,852</b>	
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>															
Hyannis Golf Course Acquisition \$3,900,000 Refunded	02/17/15	02/15/25	1,951,500	-	-	-	-	-	-	-	-	-	-	-	2,029,420
Olde Barnstable Golf Course Maintenance Equipment	02/17/15	02/15/20	200,000	-	-	-	-	-	-	-	-	-	-	-	85,000
Olde Barnstable Building Improvements (#2015-105)	02/25/16	06/30/26	174,000	-	-	-	-	-	-	-	-	-	-	-	172,600
Hyannis Building Improvements (#2015-106)	02/25/16	06/30/26	140,000	-	-	-	-	-	-	-	-	-	-	-	141,600
Olde Barnstable Fairgrounds Golf Course (I) (#2016-107)	02/23/17	06/30/37	245,000	12,213	11,913	11,613	11,313	10,988	10,663	10,338	-	-	-	-	302,788
Hyannis Golf Course Improvements (I) (#2016-108)	02/23/17	06/30/37	292,700	17,825	17,375	16,925	16,475	10,988	10,663	10,338	-	-	-	-	359,488
Hyannis Golf Course Turf Maintenance (I) (#2017-085)	02/27/18	06/30/23	310,000	-	-	-	-	-	-	-	-	-	-	-	346,738
<b>Total Golf Course</b>			<b>30,038</b>	<b>29,288</b>	<b>28,538</b>	<b>27,788</b>	<b>21,975</b>	<b>21,325</b>	<b>20,675</b>	-	-	-	-	-	<b>3,437,633</b>
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>															
Sewer 98-27, Series 5	08/25/04	08/01/19	329,295	-	-	-	-	-	-	-	-	-	-	-	55,155
Sewer 98-27	08/25/04	08/01/19	(subsidy)	-	-	-	-	-	-	-	-	-	-	-	(17,932)
Sewer 98-42, Series 5	08/25/04	08/01/19	216,429	-	-	-	-	-	-	-	-	-	-	-	36,907
Sewer 98-42, Series 5	08/25/04	08/01/19	(subsidy)	-	-	-	-	-	-	-	-	-	-	-	(11,819)
Sewer 98-44, Series 5	08/25/04	08/01/19	112,262	-	-	-	-	-	-	-	-	-	-	-	18,642
Sewer 98-44, Series 5	08/25/04	08/01/19	(subsidy)	-	-	-	-	-	-	-	-	-	-	-	(6,137)
Sewer 98-46, Series 5	08/25/04	08/01/19	1,398,265	-	-	-	-	-	-	-	-	-	-	-	236,598
Sewer 98-46, Series 5	08/25/04	08/01/19	(subsidy)	-	-	-	-	-	-	-	-	-	-	-	(76,500)
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	436,370	-	-	-	-	-	-	-	-	-	-	-	161,327
Shallow Well Injection - CW-00-60 - Pool 8	08/25/04	08/01/22	(subsidy)	-	-	-	-	-	-	-	-	-	-	-	(51,609)
Sewer 98-44A	12/14/06	08/01/23	1,582,178	-	-	-	-	-	-	-	-	-	-	-	736,958
Sewer 98-44A	12/14/06	08/01/23	(subsidy)	-	-	-	-	-	-	-	-	-	-	-	(248,492)
Sewer 98-49A	12/14/06	08/01/23	556,458	-	-	-	-	-	-	-	-	-	-	-	258,863
Sewer 98-49A	12/14/06	08/01/23	(subsidy)	-	-	-	-	-	-	-	-	-	-	-	(87,299)
Waste Water Treatment Plant Sewer Turbine Generator \$570,000 Refunded	06/21/16	06/30/28	251,000	-	-	-	-	-	-	-	-	-	-	-	289,520
MWPAT CW-04-35	12/15/09	07/15/27	4,938,114	-	-	-	-	-	-	-	-	-	-	-	3,266,682
Sewer 05-28 Restructured	03/15/11	07/15/28	629,403	-	-	-	-	-	-	-	-	-	-	-	458,003
Sewer (I)	06/14/11	06/15/21	300,000	-	-	-	-	-	-	-	-	-	-	-	97,200
Sewer CW-04-35A Pool 13	06/06/12	07/15/27	1,469,137	-	-	-	-	-	-	-	-	-	-	-	1,072,517
Rehab Clarifiers (#2015-091)	02/25/16	06/30/36	1,000,000	59,000	57,500	56,000	54,500	53,000	51,500	-	-	-	-	-	1,162,688
Pump Station/Sewer Main Const (#2009-132)	02/25/16	06/30/21	318,000	-	-	-	-	-	-	-	-	-	-	-	199,600
Wastewater Treatment Plant Clarifiers Rehab (O) (#2016-097)	02/23/17	06/30/37	1,146,000	67,169	65,519	63,869	62,219	60,431	58,644	56,856	-	-	-	-	1,452,931
Wastewater Treatment Plant Backup Generator (O) (#2016-098)	02/23/17	06/30/37	862,000	48,850	47,650	46,450	45,250	43,950	42,650	41,350	-	-	-	-	1,090,550
<b>Total Water Pollution Control Enterprise Fund</b>			<b>175,019</b>	<b>170,669</b>	<b>166,319</b>	<b>161,969</b>	<b>157,381</b>	<b>152,794</b>	<b>98,206</b>	-	-	-	-	-	<b>10,094,351</b>
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>															
Solid Waste Landfill Closure - 98-24, Series 4	08/25/04	08/01/18	5,166,301	-	-	-	-	-	-	-	-	-	-	-	465,350
Solid Waste Landfill Closure - 98-24, Series 4	08/25/04	08/01/18	(subsidy)	-	-	-	-	-	-	-	-	-	-	-	(129,348)
Solid Waste Facility (I) \$630,000 Refunded	02/17/15	02/15/27	284,900	-	-	-	-	-	-	-	-	-	-	-	302,185
Advance Refund 6/15/2003 Transfer Station Improvements	04/18/12	09/15/22	241,500	-	-	-	-	-	-	-	-	-	-	-	126,505
<b>Total Solid Waste Fund</b>			-	-	-	-	-	-	-	-	-	-	-	-	<b>764,692</b>
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>															
Water Co. (Level Debt) (O) \$10,000,000 Refunded	02/17/15	02/15/27	5,704,800	-	-	-	-	-	-	-	-	-	-	-	6,225,865
MWPAT DWS-09-02	07/08/10	07/15/30	2,788,911	169,184	-	-	-	-	-	-	-	-	-	-	2,199,396
DW-09-02 Series 16	05/14/15	07/15/32	533,117	35,586	35,637	35,689	-	-	-	-	-	-	-	-	530,315
DWP-11-09 Series 17A	05/14/15	01/15/33	793,438	53,466	53,553	53,643	-	-	-	-	-	-	-	-	796,084

FISCAL YEAR 2020 BUDGET

CAPITAL BUDGET AND DEBT SUMMARY

DWP-11-10 Series 17A	05/22/13	01/15/33	560,761	34,104	34,148	34,193	34,238	34,285	34,332	34,382	34,431	34,482	34,534	34,587	34,641
Water Main Loop	02/17/15	02/15/35	540,000	45,488	44,138	42,938	41,738	40,538	39,338	38,138	36,938	36,038	35,138	34,388	23,600
MCWT Series 19 DWP-13-01	02/11/16	06/30/36	2,418,547	146,546	146,723	146,904	147,089	147,278	147,471	147,668	147,870	148,076	148,286	148,501	148,720
Water Main Replacement (#2010-097)	02/25/16	06/30/21	380,000	84,000	81,000	78,000	-	-	-	-	-	-	-	-	-
Pipe Replacement Upgrade FY17 (#2015-085)	02/25/16	06/30/36	900,000	71,831	70,031	68,231	66,431	64,631	62,831	61,031	59,231	57,431	56,531	55,406	54,450
Paint/Repair Mary Dunn 2 (#2015-087)	02/25/16	06/30/21	615,000	139,600	129,600	124,800	-	-	-	-	-	-	-	-	-
Hyannis Water System Pipe Replacement (O) (#2016-093)	02/23/17	06/30/37	858,400	74,650	72,850	71,050	69,250	67,450	65,650	63,850	62,050	60,250	58,450	51,650	50,050
DWP-14-09 Mass Clean Water Trust (#2014-071, 2013-085, 2013-088)	04/13/17	07/15/37	1,467,339	88,805	88,910	89,017	89,127	89,240	89,354	89,471	89,591	89,713	89,838	89,966	90,096
Well Reactivation (O) (#2017-080)	02/27/18	06/30/38	276,000	26,529	25,413	24,813	24,063	23,313	22,863	22,113	21,363	20,613	19,863	19,113	18,513
Water Pipe Replacement (O) (#2017-081)	02/27/18	06/30/38	468,000	45,801	42,575	41,575	40,325	39,075	38,325	37,075	35,825	34,575	33,325	32,075	31,075
Mary Dunn Water Storage Tank Site Work (O) (#2017-083)	02/27/18	06/30/38	600,500	53,026	52,388	51,188	49,688	48,188	47,288	45,788	44,288	42,788	41,288	39,788	38,588
Water Carbon Filter Units (O) (#2017-079)	02/27/18	06/30/18	440,000	64,092	63,400	61,600	59,350	57,100	55,750	53,500	51,250	44,000	42,000	-	-
MCWT Series 21 DWP-16-17	09/12/18	07/15/38	2,939,657	36,293	180,836	180,836	180,836	180,836	180,837	180,836	180,837	180,836	180,836	180,837	180,837
Pipe Replacement Upgrade FY19 (#2018-081)	08/15/19	06/30/39	1,050,000	-	97,474	96,063	93,313	90,563	87,813	85,063	82,313	79,563	76,813	74,063	66,313
Carbon Treatment System Construction at Maher Wellfield (2017-099)	08/15/19	06/30/28	318,500	-	53,938	49,000	47,500	45,500	43,750	42,000	40,250	38,500	36,750	-	-
Well Exploration Program (2013-087)	08/15/19	06/30/28	489,500	-	83,227	76,500	73,750	71,000	68,250	65,500	62,750	55,000	52,500	-	-
<b>Total Water Enterprise Fund</b>			<b>1,859,165</b>	<b>2,213,974</b>	<b>2,187,578</b>	<b>1,964,912</b>	<b>1,948,294</b>	<b>1,933,065</b>	<b>1,913,628</b>	<b>1,899,322</b>	<b>1,871,734</b>	<b>1,163,988</b>	<b>1,018,341</b>	<b>994,982</b>	
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2019</b>	<b>Payments FY 2020</b>	<b>Payments FY 2021</b>	<b>Payments FY 2022</b>	<b>Payments FY 2023</b>	<b>Payments FY 2024</b>	<b>Payments FY 2025</b>	<b>Payments FY 2026</b>	<b>Payments FY 2027</b>	<b>Payments FY 2028</b>	<b>Payments FY 2029</b>	<b>Payments FY 2030</b>
CTF Marina Bulkhead Repair I	06/14/11	06/15/30	725,000	57,231	55,631	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	39,300	38,300	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	109,145	105,310	98,550	95,400	91,800	-	-	-	-	-	-	-
Gateway Marina Dredging (#2015-108)	02/25/16	06/30/26	280,000	38,800	37,600	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	46,988	45,788	44,588	43,388	42,188	40,988	39,788	38,588	37,388	36,788	36,038	35,400
Hyannis Harbor Bulkhead (#2015-110)	02/25/16	06/30/21	158,000	33,600	32,400	31,200	-	-	-	-	-	-	-	-	-
Gateway Marina Maintenance Dredging (I) (#2016-109)	02/23/17	06/30/37	476,500	41,475	40,475	39,475	38,475	37,475	36,475	35,475	34,475	33,475	32,475	31,475	30,475
<b>Total Marina Enterprise Fund</b>			<b>366,539</b>	<b>355,504</b>	<b>341,544</b>	<b>306,194</b>	<b>291,394</b>	<b>188,594</b>	<b>183,200</b>	<b>177,725</b>	<b>152,088</b>	<b>147,863</b>	<b>143,317</b>	<b>143,875</b>	
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2019</b>	<b>Payments FY 2020</b>	<b>Payments FY 2021</b>	<b>Payments FY 2022</b>	<b>Payments FY 2023</b>	<b>Payments FY 2024</b>	<b>Payments FY 2025</b>	<b>Payments FY 2026</b>	<b>Payments FY 2027</b>	<b>Payments FY 2028</b>	<b>Payments FY 2029</b>	<b>Payments FY 2030</b>
Sandy Neck Beach House II	06/14/11	06/15/26	81,000	6,719	6,519	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	72,406	70,606	68,806	72,006	70,006	68,006	71,319	69,394	72,331	70,081	67,681	70,281
Sandy Neck Beach House III	06/14/11	06/15/31	217,509	15,856	15,456	15,056	14,656	14,256	13,856	13,519	13,169	12,794	17,419	16,819	16,219
<b>Total Sandy Neck Enterprise Fund</b>			<b>94,981</b>	<b>92,581</b>	<b>90,181</b>	<b>92,781</b>	<b>90,181</b>	<b>87,581</b>	<b>90,388</b>	<b>92,938</b>	<b>85,125</b>	<b>87,500</b>	<b>84,500</b>	<b>86,500</b>	
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2019</b>	<b>Payments FY 2020</b>	<b>Payments FY 2021</b>	<b>Payments FY 2022</b>	<b>Payments FY 2023</b>	<b>Payments FY 2024</b>	<b>Payments FY 2025</b>	<b>Payments FY 2026</b>	<b>Payments FY 2027</b>	<b>Payments FY 2028</b>	<b>Payments FY 2029</b>	<b>Payments FY 2030</b>
CTF HYCC 1 (I) \$1,000,000 Refunded	02/17/15	02/15/27	474,900	64,390	62,230	60,310	58,390	56,470	53,550	51,670	49,790	47,880	-	-	-
CTF HYCC 2 (I) \$8,000,000 Refunded	02/17/15	02/15/27	3,794,400	515,775	495,450	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	103,135	98,670	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	452,000	433,200	419,600	404,000	384,480	374,200	360,800	344,100	332,600	316,200	-	-
<b>Total HYCC Enterprise Fund</b>			<b>1,135,300</b>	<b>1,089,550</b>	<b>1,055,710</b>	<b>1,018,870</b>	<b>978,150</b>	<b>944,710</b>	<b>908,270</b>	<b>869,650</b>	<b>836,270</b>	<b>316,200</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2019</b>	<b>Payments FY 2020</b>	<b>Payments FY 2021</b>	<b>Payments FY 2022</b>	<b>Payments FY 2023</b>	<b>Payments FY 2024</b>	<b>Payments FY 2025</b>	<b>Payments FY 2026</b>	<b>Payments FY 2027</b>	<b>Payments FY 2028</b>	<b>Payments FY 2029</b>	<b>Payments FY 2030</b>
Land Acquisition - 2004-105 Bone Hill \$200k Refunded	02/17/15	02/15/25	90,850	11,565	11,160	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	10,845	11,440	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	321,835	308,540	301,580	286,500	277,620	266,700	255,320	-	-	-	-	-
Land Acquisition - Archibald \$500,000 Refunded	02/17/15	02/15/26	212,100	31,410	30,330	29,370	28,410	26,450	25,530	24,610	23,690	-	-	-	-
Town Hall Renovations	06/16/10	06/15/30	1,332,520	93,519	90,269	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	02/15/22	7,065,000	817,960	684,120	624,480	526,240	-	-	-	-	-	-	-	-
Advance Refund 6/15/2003 Landbank Acquisitions	04/18/12	09/15/22	964,600	109,709	106,859	104,009	100,684	96,492	-	-	-	-	-	-	-
Advance Refund 6/15/2004 Landbank Acquisitions 3	04/18/12	09/15/22	5,385,600	682,234	650,624	623,374	597,544	567,732	-	-	-	-	-	-	-
Advance Refund 6/15/2004 Landbank Acquisitions 2	04/18/12	09/15/22	227,300	28,875	28,125	27,375	26,500	25,500	-	-	-	-	-	-	-
<b>Total Community Preservation Fund</b>			<b>2,107,952</b>	<b>1,921,467</b>	<b>1,820,347</b>	<b>1,667,327</b>	<b>1,092,610</b>	<b>388,414</b>	<b>373,319</b>	<b>101,284</b>	<b>75,238</b>	<b>72,638</b>	<b>70,200</b>	<b>67,600</b>	



FISCAL YEAR 2020 BUDGET

CAPITAL BUDGET AND DEBT SUMMARY

DWP-11-10 Series 17A	05/22/13	01/15/33	560,761	34,698	34,754	34,812	-	-	-	-	-	-	-	-	-	516,619
Water Main Loop	02/17/15	02/15/35	540,000	23,000	22,400	21,800	21,200	20,600	-	-	-	-	-	-	-	567,413
MCWT Series 19 DWP-13-01	02/11/16	06/30/36	2,418,547	148,945	149,174	149,408	149,647	149,891	150,141	-	-	-	-	-	-	2,668,339
Water Main Replacement (#2010-097)	02/25/16	06/30/21	380,000	-	-	-	-	-	-	-	-	-	-	-	-	243,000
Pipe Replacement Upgrade FY17 (#2015-085)	02/25/16	06/30/36	900,000	53,100	51,750	50,400	49,050	47,700	46,350	-	-	-	-	-	-	1,046,419
Paint/Repair Mary Dunn 2 (#2015-087)	02/25/16	06/30/21	615,000	-	-	-	-	-	-	-	-	-	-	-	-	394,000
Hyannis Water System Pipe Replacement (O) (#2016-093)	02/23/17	06/30/37	858,400	48,850	47,650	46,450	45,250	43,950	42,650	41,350	-	-	-	-	-	1,083,350
DWP-14-09 Mass Clean Water Trust (#2014-071, 2013-085, 2013-088)	04/13/17	07/15/37	1,467,339	90,229	90,366	90,505	90,647	90,791	90,939	91,091	-	-	-	-	-	1,707,695
Well Reactivation (O) (#2017-080)	02/27/18	06/30/38	276,000	17,913	17,463	17,013	11,563	11,263	10,963	10,650	10,325	-	-	-	-	375,717
Water Pipe Replacement (O) (#2017-081)	02/27/18	06/30/38	468,000	30,075	24,325	23,725	23,125	22,525	21,925	21,300	20,650	-	-	-	-	639,276
Mary Dunn Water Storage Tank Site Work (O) (#2017-083)	02/27/18	06/30/38	600,500	37,388	36,488	35,588	34,688	33,788	32,888	31,950	30,975	-	-	-	-	828,038
Water Carbon Filter Units (O) (#2017-079)	02/27/18	06/30/18	440,000	-	-	-	-	-	-	-	-	-	-	-	-	552,042
MCWT Series 21 DWP-16-17	09/12/18	07/15/38	2,939,657	180,836	180,836	180,836	180,836	180,836	180,836	180,836	180,836	180,836	180,836	-	-	3,653,020
Pipe Replacement Upgrade FY19 (#2018-081)	08/15/19	06/30/39	1,050,000	63,813	62,313	60,813	59,313	57,813	56,313	54,813	53,250	51,625	-	-	-	1,449,411
Carbon Treatment System Construction at Maher Wellfield (2017-099)	08/15/19	06/30/28	318,500	-	-	-	-	-	-	-	-	-	-	-	-	396,938
Well Exploration Program (2013-087)	08/15/19	06/30/28	489,500	-	-	-	-	-	-	-	-	-	-	-	-	608,477
<b>Total Water Enterprise Fund</b>				<b>987,080</b>	<b>806,707</b>	<b>800,681</b>	<b>665,318</b>	<b>659,156</b>	<b>633,004</b>	<b>431,990</b>	<b>296,036</b>	<b>232,461</b>				<b>26,481,415</b>
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2031</b>	<b>Payments FY 2032</b>	<b>Payments FY 2033</b>	<b>Payments FY 2034</b>	<b>Payments FY 2035</b>	<b>Payments FY 2036</b>	<b>Payments FY 2037</b>	<b>Payments FY 2038</b>	<b>Payments FY 2039</b>	<b>Payments FY 2040</b>	<b>Payments FY 2041</b>	<b>Balance</b>	
CTF Marina Bulkhead Repair I	06/14/11	06/15/30	725,000	-	-	-	-	-	-	-	-	-	-	-	553,175	
Marina Bulkhead Repair II	06/14/11	06/15/30	525,000	-	-	-	-	-	-	-	-	-	-	-	469,638	
Advance Refund 6/14/2004 Prince Cove Marina Acquisition	04/18/12	09/15/22	864,000	-	-	-	-	-	-	-	-	-	-	-	500,205	
Gateway Marina Dredging (#2015-108)	02/25/16	06/30/26	280,000	-	-	-	-	-	-	-	-	-	-	-	258,000	
Prince Cove Marina Bulkhead (#2015-109)	02/25/16	06/30/36	570,000	29,500	28,750	28,000	27,250	26,500	25,750	-	-	-	-	-	653,663	
Hyannis Harbor Bulkhead (#2015-110)	02/25/16	06/30/21	158,000	-	-	-	-	-	-	-	-	-	-	-	97,200	
Gateway Marina Maintenance Dredging (I) (#2016-109)	02/23/17	06/30/37	476,500	29,725	28,975	23,225	22,625	21,975	21,325	20,675	-	-	-	-	600,225	
<b>Total Marina Enterprise Fund</b>				<b>59,225</b>	<b>57,725</b>	<b>51,225</b>	<b>49,875</b>	<b>48,475</b>	<b>47,075</b>	<b>20,675</b>					<b>3,132,105</b>	
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2031</b>	<b>Payments FY 2032</b>	<b>Payments FY 2033</b>	<b>Payments FY 2034</b>	<b>Payments FY 2035</b>	<b>Payments FY 2036</b>	<b>Payments FY 2037</b>	<b>Payments FY 2038</b>	<b>Payments FY 2039</b>	<b>Payments FY 2040</b>	<b>Payments FY 2041</b>	<b>Balance</b>	
Sandy Neck Beach House II	06/14/11	06/15/26	81,000	-	-	-	-	-	-	-	-	-	-	-	53,238	
Sandy Neck Beach House I	06/14/11	06/15/31	966,491	67,681	-	-	-	-	-	-	-	-	-	-	910,606	
Sandy Neck Beach House III	06/14/11	06/15/31	217,509	15,619	-	-	-	-	-	-	-	-	-	-	194,694	
<b>Total Sandy Neck Enterprise Fund</b>				<b>83,300</b>											<b>1,158,538</b>	
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2031</b>	<b>Payments FY 2032</b>	<b>Payments FY 2033</b>	<b>Payments FY 2034</b>	<b>Payments FY 2035</b>	<b>Payments FY 2036</b>	<b>Payments FY 2037</b>	<b>Payments FY 2038</b>	<b>Payments FY 2039</b>	<b>Payments FY 2040</b>	<b>Payments FY 2041</b>	<b>Balance</b>	
CTF HYCC 1 (I) \$1,000,000 Refunded	02/17/15	02/15/27	474,900	-	-	-	-	-	-	-	-	-	-	-	504,180	
CTF HYCC 2 (I) \$8,000,000 Refunded	02/17/15	02/15/27	3,794,400	-	-	-	-	-	-	-	-	-	-	-	4,023,075	
CTF HYCC 3 (I) \$1,600,000 Refunded	02/17/15	02/15/27	759,000	-	-	-	-	-	-	-	-	-	-	-	804,245	
CTF HYCC 4 (I) \$6,765,000 Refunded	06/21/16	06/30/28	3,320,000	-	-	-	-	-	-	-	-	-	-	-	3,821,180	
<b>Total HYCC Enterprise Fund</b>															<b>9,152,680</b>	
<b>ENTERPRISE FUND INTEREST &amp; PRINCIPAL</b>	<b>Issue Date</b>	<b>Maturity Date</b>	<b>Original Amount</b>	<b>Payments FY 2031</b>	<b>Payments FY 2032</b>	<b>Payments FY 2033</b>	<b>Payments FY 2034</b>	<b>Payments FY 2035</b>	<b>Payments FY 2036</b>	<b>Payments FY 2037</b>	<b>Payments FY 2038</b>	<b>Payments FY 2039</b>	<b>Payments FY 2040</b>	<b>Payments FY 2041</b>	<b>Balance</b>	
Land Acquisition - 2004-105 Bone Hill \$200k Refunded	02/17/15	02/15/25	90,850	-	-	-	-	-	-	-	-	-	-	-	73,125	
Land Acquisition - 06-15-05 - 2004-106 \$180k Refunded	02/17/15	02/15/25	73,600	-	-	-	-	-	-	-	-	-	-	-	50,925	
Land Acquisition - Hyannis Golf \$5,500,000 Refunded	02/17/15	02/15/25	2,496,300	-	-	-	-	-	-	-	-	-	-	-	2,018,095	
Land Acquisition - Archibald \$500,000 Refunded	02/17/15	02/15/26	212,100	-	-	-	-	-	-	-	-	-	-	-	219,800	
Town Hall Renovations	06/16/10	06/15/30	1,332,520	-	-	-	-	-	-	-	-	-	-	-	968,013	
Land Acquisition 1 Adv Ref 6/15/2002	06/14/11	06/15/22	7,065,000	-	-	-	-	-	-	-	-	-	-	-	2,652,800	
Advance Refund 6/15/2003 Landbank Acquisitions	04/18/12	09/15/22	964,600	-	-	-	-	-	-	-	-	-	-	-	517,753	
Advance Refund 6/15/2004 Landbank Acquisitions 3	04/18/12	09/15/22	5,385,600	-	-	-	-	-	-	-	-	-	-	-	3,121,508	
Advance Refund 6/15/2004 Landbank Acquisitions 2	04/18/12	09/15/22	227,300	-	-	-	-	-	-	-	-	-	-	-	136,375	
<b>Total Community Preservation Fund</b>															<b>9,758,394</b>	

FISCAL YEAR 2020 BUDGET

CAPITAL BUDGET AND DEBT SUMMARY

ENTERPRISE FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2019	Payments FY 2020	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
Title V - Phase I - 97-1131 Series 6-	07/25/02	08/01/20	197,403	11,774	11,209	10,468	-	-	-	-	-	-	-	-	-
Title V - Phase I - 97-1131 Series 6-	07/25/02	08/01/20	(subsidy)	(1,374)	(809)	(268)	-	-	-	-	-	-	-	-	-
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	190,580	12,239	11,741	11,242	10,969	10,459	-	-	-	-	-	-	-
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	(subsidy)	(2,267)	(1,769)	(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	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	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	10,000	10,000	-	-	-
<b>Total Title V</b>				<b>50,372</b>	<b>50,372</b>	<b>50,172</b>	<b>40,204</b>	<b>40,204</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>10,000</b>	-	-	-

  

WATER QUALITY IMPROVEMENT FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2019	Payments FY 2020	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
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	199,318
Sewer CWS-09-07-A Series 16	05/14/15	07/15/32	4,592,367	301,917	302,260	302,608	302,965	303,329	303,701	304,082	304,471	304,868	305,273	305,688	306,111
<b>Total Water Quality Management &amp; Private Way Improvement Fund</b>				<b>501,235</b>	<b>501,578</b>	<b>501,926</b>	<b>502,283</b>	<b>502,647</b>	<b>503,019</b>	<b>503,400</b>	<b>503,788</b>	<b>504,185</b>	<b>504,591</b>	<b>505,006</b>	<b>505,430</b>

  

<b>TOTAL ENTERPRISE FUND BOND OBLIGATIONS</b>				<b>8,302,510</b>	<b>8,107,523</b>	<b>7,745,272</b>	<b>7,172,822</b>	<b>6,513,247</b>	<b>5,538,457</b>	<b>5,333,071</b>	<b>4,699,131</b>	<b>4,507,960</b>	<b>3,224,408</b>	<b>2,290,927</b>	<b>2,213,406</b>
<b>GRAND TOTAL TOWN OF BARNSTABLE BOND OBLIGATIONS</b>				<b>18,273,811</b>	<b>15,246,828</b>	<b>13,438,644</b>	<b>12,304,006</b>	<b>11,247,193</b>	<b>9,721,615</b>	<b>8,647,972</b>	<b>7,866,917</b>	<b>7,192,515</b>	<b>5,623,095</b>	<b>4,500,177</b>	<b>4,333,174</b>

ENTERPRISE FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2031	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	-	-	-	-	-	-	-	-	-	-	-	33,450
Title V - Phase I - 97-1131 Series 6-	07/25/02	08/01/20	(subsidy)	-	-	-	-	-	-	-	-	-	-	-	(2,450)
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	190,580	-	-	-	-	-	-	-	-	-	-	-	56,650
Title V - Phase I - 97-1131 Series 6	07/01/04	08/01/22	(subsidy)	-	-	-	-	-	-	-	-	-	-	-	(6,326)
Title V - Phase III - Pool 11 T5-97-1131-2	10/31/05	07/15/25	200,000	-	-	-	-	-	-	-	-	-	-	-	80,000
Title V - Phase IV - Pool 11 T5-97-1131-3	10/31/05	07/15/25	200,000	-	-	-	-	-	-	-	-	-	-	-	80,000
Title V - Phase V - Pool 12 97-1131-4D	12/14/06	07/15/26	200,000	-	-	-	-	-	-	-	-	-	-	-	90,000
<b>Total Title V</b>				-	-	-	-	-	-	-	-	-	-	-	<b>331,324</b>

  

WATER QUALITY IMPROVEMENT FUND INTEREST & PRINCIPAL	Issue Date	Maturity Date	Original Amount	Payments FY 2031	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	199,318	-	-	-	-	-	-	-	-	-	-	2,591,133
Sewer CWS-09-07-A Series 16	05/14/15	07/15/32	4,592,367	306,544	306,986	307,438	-	-	-	-	-	-	-	-	4,568,241
<b>Total Water Quality Management &amp; Private Way Improvement Fund</b>				<b>505,862</b>	<b>306,986</b>	<b>307,438</b>	-	-	-	-	-	-	-	-	<b>7,159,374</b>

  

<b>TOTAL ENTERPRISE FUND BOND OBLIGATIONS</b>				<b>2,039,286</b>	<b>1,509,475</b>	<b>1,493,849</b>	<b>1,040,999</b>	<b>1,024,175</b>	<b>992,360</b>	<b>665,522</b>	<b>312,011</b>	<b>247,949</b>	-	-	<b>74,974,359</b>
<b>GRAND TOTAL TOWN OF BARNSTABLE BOND OBLIGATIONS</b>				<b>3,982,105</b>	<b>3,251,893</b>	<b>3,135,818</b>	<b>2,564,168</b>	<b>2,195,481</b>	<b>2,016,104</b>	<b>1,224,803</b>	<b>734,236</b>	<b>377,011</b>	-	-	<b>137,877,568</b>