

TOWN OF FALMOUTH
FISCAL 2021
CAPITAL IMPROVEMENT PLAN

Description	Dept	FY 20 Voted	FY 21 Request	FY 21 Proposed	FY 22 Program	FY 23 Program	FY 24 Program	FY 25 Program	FY 26 Program	FY 27 Program	FY 28 Program	FY 29 Program	FY 30 Program
CAPITAL PROGRAM & BUDGET													
				CAPITAL BUDGET									
CAPITAL PROGRAM & BUDGET SUMMARY:													
General Government		877,285	269,500	181,500	305,000	105,000	0	68,000	0	50,000	0	0	0
Public Safety		714,503	1,284,280	1,247,280	2,696,572	2,231,889	2,266,163	4,749,285	3,154,103	4,170,577	2,452,089	1,521,608	1,712,630
Community Development		237,000	112,000	12,000	100,000	112,000	100,000	112,000	100,000	112,000	100,000	112,000	100,000
Public Works		7,851,000	8,029,000	4,051,000	23,353,000	8,320,000	5,555,000	83,055,000	3,710,000	4,750,000	4,655,000	4,005,000	43,975,000
Community Services		159,350	37,747	18,000	251,727	516,354	506,000	75,000	50,000	400,000	400,000	0	0
Schools		1,295,000	1,025,000	1,025,000	1,350,000	1,350,000	1,550,000	1,060,000	1,060,000	1,060,000	360,000	700,000	0
Total Capital Budget		11,134,138	10,757,527	6,534,780	28,056,299	12,635,243	9,977,163	89,119,285	8,074,103	10,542,577	7,967,089	6,338,608	45,787,630
Funding Sources:													
Free Cash (capital)		9,641,138		5,664,780									
Free Cash (non-capital)													
Capital Stabilization Fund		1,000,000		870,000									
Waterways Improvement Funds													
Overlay Surplus		250,000											
Other Articles		243,000											
Total Funding Sources		11,134,138	0	6,534,780									
General Government													
Network Upgrades	IT	24,000	30,000		30,000	30,000							
Network Switch Rotational Update	IT		71,500	71,500									
Infrastructure Upgrade	IT	75,000											
Hardware and Software	IT	58,000	58,000		60,000	60,000							
Fire Dept Security & Access Control Upgrade	IT	58,285											
GIS Flyover	IT	55,000											
GIS - Move Public App Site to Cloud	IT		20,000	20,000	15,000	15,000		68,000		50,000			
Revaluation	FIN	250,000											
ESCO Phase II Continuation	GG	75,000											
Golf Equipment	GG	52,000	50,000	50,000									
Laserfiche upgrade (document Management)	GG	220,000											
Election Booths	GG		40,000	40,000									
Human Service Relocation	GG	10,000											
Town Hall Modifications	GG				200,000								
Total General Government		877,285	269,500	181,500	305,000	105,000	0	68,000	0	50,000	0	0	0
Public Safety													
Police Department													
Police Vehicle Replacement	PD	164,000	100,000	100,000	233,259	244,922	257,168	270,026	283,528	297,704	312,589	328,219	344,630
Workstations and software	PD	35,000			12,000				35,000				
Support Vehicle	PD												140,000
Vehicle/Detective	PD										37,500		
Security Cameras	PD									150,000			
Ford F250	PD												82,000
SRO Vehicle	PD					61,231							
Mobile Data Terminals	PD	17,903	20,000	20,000				49,398				51,868	
Fingerprint software (Central Processing)	PD						15,295					19,521	
Fingerprint software (Booking)	PD				17,079					21,798			
Traffic Radar	PD					35,000					40,000		
Police Vehicle Radios	PD							120,000					
Portable Radios (Police, Fire, DPW, MES)	PD								250,000				
Security Gates	PD									35,000	35,000		
Building Security	PD									60,000	60,000		
Firearms (Long Guns)	PD				86,234	30,736							
Firearms (Handguns)	PD							118,161					
Office Furniture	PD							15,000			15,000		
Public Safety Network Segregation (Main Phase)	IT		39,580	39,580									
Subtotal Police		216,903	159,580	159,580	348,572	371,889	272,463	572,585	568,528	564,502	500,089	399,608	566,630

Description	Dept	FY 20 Voted	FY 21 Request	FY 21 Proposed	FY 22 Program	FY 23 Program	FY 24 Program	FY 25 Program	FY 26 Program	FY 27 Program	FY 28 Program	FY 29 Program	FY 30 Program
Fire/Rescue Department													
Fire Chief Vehicle (C11)	FD					50,000							
Deputy Chief Vehicle (C12)	FD	80,000											90,000
Dive Support Vehicle	FD					150,000							
Ambulances	FD				375,000		375,000			385,000			425,000
Utility Vehicle (C27)	FD	55,000									55,000		
Fire Equipment/Protective Gear (PPE & SCBA)	FD	100,000				425,000					185,000	185,000	
FPI Vehicle (C14)	FD						45,000						
Fire Prevention Officer Vehicle (C13)	FD						45,000						
EMS Supervisor Vehicle (C33)	FD						50,000						
Forestry Vehicle	FD				115,000								
Fire Engine	FD		870,000	870,000				900,000	925,000				
Marine 1	FD										400,000		
Rescue Boat (RB2)	FD				40,000								
Mechanic Vehicle w/plow (car 29)	FD										80,000		
Monitors/Defibrillators	FD									235,000			
Shift Commander Vehicle (car 28)	FD				65,000							75,000	
Paramedic Vehicle (34)	FD				60,000								
Fire Gear/Washer	FD											20,000	
Emergency Generators	FD		90,000	90,000					75,000				
Station Alerting System	FD				400,000								
Subtotal Fire/Rescue		235,000	960,000	960,000	1,055,000	625,000	515,000	900,000	1,000,000	620,000	720,000	280,000	515,000
Consolidated Communications													
Replace Computer Aided Dispatch (CAD) System	CC				700,000								
Subtotal Consolidated Communications		0	0	0	700,000	0	0	0	0	0	0	0	0
Marine and Environmental Services													
Annual Inlet Dredging	MES	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Boat Trailers	MES				20,000								
MES 1 - Director Vehicle - 2015 Interceptor	MES					37,000							37,000
MES 2 - Dep Director Vehicle - 2014 F-150	MES				37,000							37,000	
MES 3 - DNR Truck - 2013 F-150	MES		37,000		37,000						37,000		
MES 4 - Fisheries/MES Truck - 2017 F-150	MES						35,000						
MES 5 - Animal Control Vehicle - 2018 F-150	MES							35,000					
MES 6 - 2019 F350 Maintenance Truck	MES								45,000				
Engines 104 (2)	MES							40,000					40,000
Engine 105	MES				20,000						20,000		
Engines 106 (2)	MES					30,000					30,000		
Engine 107	MES						18,000						18,000
Engine 108	MES					8,000						8,000	
Engine 109 (shellfish)	MES	7,600							12,000				
Patrol Boat Replacement (104)	MES												250,000
Patrol Boat Replacement (105)	MES					95,000							
Patrol Boat Replacement (106)	MES									150,000			
New Pump-out Boat (107)	MES							10,000					
Boat Replacement (108)	MES								25,000				
Boat Replacement (109)	MES						45,000						
Fork lift/lift truck	MES				14,000								14,000
Marina Generator	MES	35,000											
Shellfish Gear	MES				25,000				25,000				25,000
In Town Shellfish Relay	MES					15,000					15,000		
Aids to Navigation/Lights	MES					10,000					10,000		
Marina Power Pedestals	MES		7,700	7,700			7,700			7,700			77,000
Security Cameras/Equipment	MES				20,000			20,000			20,000		
Radio Replacement	MES					20,000					20,000		
Remodel Restrooms	MES					50,000							50,000
Dinghy Racks	MES	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Computers	MES				10,000			10,000			10,000		
Replace AEDs	MES							12,000				12,000	
Storage Shed Replacement	MES						7,500						
Boat Electronics Replacement	MES					20,000							
Coastal Pond Studies	MES					15,000		15,000		15,000		15,000	
Aquaculture Plan	MES	100,000											
Babtist 1 Pipe	MES						28,000						
Flax to 14 Herring Run	MES					50,000							

Description	Dept	FY 20 Voted	FY 21 Request	FY 21 Proposed	FY 22 Program	FY 23 Program	FY 24 Program	FY 25 Program	FY 26 Program	FY 27 Program	FY 28 Program	FY 29 Program	FY 30 Program
Southview 14 Pipe	MES								75,000				
Bournes Interior Dredge	MES					100,000							
Child's River Ramp	MES											650,000	
Eel Pond Bridge Dock	MES				110,000								
Eel Pond Dock	MES									200,000			
Eel River Emb Dredge	MES								50,000				
Falmouth Inner Ramp	MES									750,000			
Great Harbor Dock	MES									1,100,000			
Great Harbor Ramp	MES				150,000								
Great Pond Emb Dredge	MES						100,000						
Green Pond Dock	MES										300,000		
Green Pond Emb Dredge	MES				30,000								
Green Pond Ramp	MES										650,000		
Harrington Street Ramp	MES						150,000						
Main Marina Bulkhead	MES							2,013,250					
Main Marina Floats	MES							600,000					
Megansett Dock	MES								300,000				
Megansett Dredge	MES							100,000					
Megansett Ramp	MES					150,000							
New Robbins/Davis Bulkhead	MES								933,575				
New Tide's Bulkhead	MES						817,500						
Quissett Bulkhead Repair	MES							301,450					
Robbins Road Floats	MES						150,000						
Simpsons Bulkhead	MES					240,000							
Waquoit Bay Ramp	MES					125,000							
Waquoit Emb Dredge	MES					150,000							
Wild Harbor Bulkhead	MES									643,375			
Subtotal Marine and Environmental Services		262,600	164,700	127,700	593,000	1,235,000	1,478,700	3,276,700	1,585,575	2,986,075	1,232,000	842,000	631,000
Total Public Safety		714,503	1,284,280	1,247,280	2,696,572	2,231,889	2,266,163	4,749,285	3,154,103	4,170,577	2,452,089	1,521,608	1,712,630
Community Development													
Coastal Resiliency	CD	100,000	100,000		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Beach Profile Surveys (with Conservation Department)	CD	12,000	12,000	12,000			12,000			12,000			12,000
Conservation & Bldg Electric Vehicles + Charging Stations	CD	76,000											
Form Based Code	PL	49,000											
Subtotal Community Development		237,000	112,000	12,000	100,000	112,000	100,000	112,000	100,000	112,000	100,000	112,000	100,000
Total Community Development		237,000	112,000	12,000	100,000	112,000	100,000	112,000	100,000	112,000	100,000	112,000	100,000
Public Works													
Facilities													
Town Hall Exterior Paint	FAC						40,000					45,000	
Main Street Fire Station Exterior Paint	FAC						40,000				50,000		
Titus system DPW HVAC	FAC	50,000											
Rec Center Exterior Paint	FAC				50,000								
DPW Exterior Paint	FAC				40,000								
Main Library interior paint	FAC					100,000							
Building Maint Equipment Failure	FAC								200,000	200,000	200,000	200,000	200,000
Town Hall Rubber Roof	FAC				80,000								
E.F. Library Carpet Replacement	FAC				35,000								
Animal Shelter Roof	FAC					30,000			35,000				
Police Station Exterior Paint	FAC						25,000						
Animal Shelter Side Wall and Trim	FAC				30,000								
Main Street Fire Station Roof	FAC							200,000					
.. DPW Roof	FAC											200,000	
Plexiglass Replacement-Police Dept	FAC				40,000								
Waterproof Exterior-Gus Canty	FAC	35,000											
Custodial Maintenance Equipment	FAC	30,000											
Town Hall Ceiling Replacement	FAC				65,000								
Town Hall Carpet Replacement-Expanded	FAC	50,000			100,000								
Main Street Fire Station HVAC	FAC									100,000			
Town Hall Roof	FAC							200,000					
Subtotal - Facilities		165,000	0	0	440,000	130,000	105,000	400,000	235,000	300,000	250,000	445,000	200,000
Highway Department													
Road Maint/Construction/Sidewalks	HWY	890,000	400,000	400,000	935,000	935,000	980,000	980,000	980,000	980,000	980,000	980,000	1,000,000
Bike Path Maintenance	HWY	80,000	80,000	80,000	80,000	90,000	90,000	90,000	100,000	100,000	100,000	100,000	100,000
Solar Compactors	HWY					100,000							

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Rod / Jet Trailer	HWY				65,000								
Fleet Services													
Replace E-2 Ford Explorer	ENG		34,000		34,000								
Replace F-42 Ford E-350	FAC		34,000		34,000								
Replace F-43 Chevy 1,500 Pick-Up	FAC		34,000	34,000									
Replace H-5 1996 Chevy 1500	HWY	47,000											
Replace H-6 Ford F-350 P/U	HWY		55,000	55,000									
Replace H-12 Ford F350 Dump Truck	HWY		60,000		60,000								
Replace H-13 Ford F350 Dump Truck	HWY		60,000	60,000									
Replace H-14 2003 Ford F-350 Dump Truck	HWY	75,000											
Replace H-27 2000 Chevy Dump Truck	HWY	220,000											
Replace H-52 Morbark Chipper	PKS		65,000		65,000								
Replace I-3 Ford Explorer	WW		34,000	34,000									
Replace I-7 Ford Explorer	HWY		50,000		50,000								
Replace P-4 2006 Ford F-350 Utility Truck	PKS	70,000											
Replace P-13 Ford F350 Bed Dump Tuck	PKS		60,000	60,000									
Replace P-16 2006 Ford F-350 Dump Truck	PRK	70,000											
Replace P-42 John Deere Tractor	PRK		75,000	75,000									
Replace W-2 Ford Explorer	WTR		50,000		50,000								
Replace W-3 Ford F350 Utility	WTR		55,000	55,000									
Replace W-11 Ford F-350 Utility	WTR		58,000	58,000									
Replace W-16 Utility Vehicle	WTR	52,000											
Replace W-47 2010 Ford Ranger Pick-Up	WTR	32,000											
New W-65 Utility Trailer	WTR		10,000		10,000								
Subtotal Highway		1,536,000	1,214,000	911,000	1,383,000	1,125,000	1,070,000	1,070,000	1,080,000	1,080,000	1,080,000	1,080,000	1,100,000
Water													
Water shed protection plan	WTR		20,000	20,000									
Tech Park Tank Painting	WTR	2,000,000											
Backflow Survey	WTR	150,000											
Leak Detection Survey	WTR		40,000					40,000					40,000
Water Meters	WTR	175,000	100,000	100,000	100,000	100,000	100,000	100,000					
Upgrades: Wells, Water Tanks, MMR & CPWTP	WTR	40,000	100,000		100,000	100,000	100,000						
Wells, Connecting Mains, Treatment Plant	WTR						1,000,000	19,000,000					
Water Main Replacement and Rehabilitation	WTR		700,000		700,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000
Residuals Disposal	WTR				350,000					350,000			
Subtotal Water		2,365,000	960,000	120,000	1,250,000	1,100,000	2,100,000	20,040,000	900,000	1,250,000	900,000	900,000	940,000
Wastewater													
Wastewater System Equipment	WW	225,000	225,000		225,000	325,000	325,000	325,000	425,000	425,000	425,000	425,000	425,000
SCADA Communication Upgrades	WW						225,000						
Vulnerability Assessment, ERP, Coastal ResIncy Plan	WW		75,000										
Evaluate WWTF for Future Upgrades	WW	95,000											
Preliminary Design WWTF TASA Improvements	WW		300,000	300,000									
Design WWTF Upgrades (debt exclusion) April 2021	WW		1,410,000										
Construct WWTF Upgrades (debt exclusion) April 2021	WW				19,000,000								
Sewer Main Rehab	WW					700,000				600,000			
WWTF Fuel Tank Replacement	WW												
Lift Stations Upgrades (existing)	WW						800,000				900,000		
Nutrient Mngmt / Sewer Const Appropriation (SRF loan)	WW							60,000,000					40,000,000
Sewer Cleaning (Vac-Jet) Truck Replacement	WW		470,000	470,000									
Woods Hole Park Road LS or Low Pressure System	WW					675,000							
Woods Hole Force Main Relocation	WW					3,000,000							
Subtotal Wastewater		320,000	2,480,000	770,000	19,225,000	4,700,000	1,350,000	60,325,000	425,000	1,025,000	1,325,000	425,000	40,425,000
Engineering/Admin													
Coastal erosion	ENG	2,360,000	925,000	925,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000
Bridge Maintenance	ENG	150,000	450,000		110,000	120,000	150,000	160,000	160,000	175,000	175,000	180,000	200,000
Rivers/Pond Maintenance	ENG	100,000	225,000		25,000	25,000	30,000	30,000	30,000	40,000	40,000	50,000	50,000
NPDES Compliance	ENG	75,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Transportation Engineering Services	ENG	75,000	450,000		250,000	350,000	105,000	105,000	105,000	105,000	105,000	105,000	105,000
Fleet Services Maintenance Facility Upgrade	ADM	75,000											
U/G Municipal Fuel Tank Removal & Replacement	ADM		1,150,000	1,150,000									
House Demolition 630 Waquoit Highway	ADM	125,000											
Subtotal Engineering		2,960,000	3,300,000	2,175,000	835,000	945,000	735,000	745,000	745,000	770,000	770,000	785,000	805,000

Description	Dept	FY 20 Voted	FY 21 Request	FY 21 Proposed	FY 22 Program	FY 23 Program	FY 24 Program	FY 25 Program	FY 26 Program	FY 27 Program	FY 28 Program	FY 29 Program	FY 30 Program
Parks													
Replace Aerial Lift Truck Chipper	PRK					260,000							
Tractor Attachments/Brush Cutting	PRK				20,000								
Stump Grinder	PRK						60,000						
Replace Mini Excavator	PRK				75,000								
Replace Skidsteer	PRK				65,000								
Athletic Field Equipment Package	PRK	175,000					75,000						175,000
Athletic Field Renovations	PRK	250,000											
Athletic Field Maintenance	PRK		40,000	40,000	40,000	40,000	40,000	40,000	300,000	300,000	300,000	300,000	300,000
Airation/Cultivation Package	PRK								75,000				
Log Loader/Trailer	PRK								75,000			40,000	
Urban Forest Reforestation Plan	PRK	80,000	35,000	35,000	20,000	20,000	20,000	25,000	25,000	25,000	30,000	30,000	30,000
Subtotal Parks		505,000	75,000	75,000	220,000	320,000	195,000	475,000	325,000	325,000	330,000	370,000	505,000
Total Public Works		7,851,000	8,029,000	4,051,000	23,353,000	8,320,000	5,555,000	83,055,000	3,710,000	4,750,000	4,655,000	4,005,000	43,975,000
Recreation													
Field Turf - Sandwich Road	REC									400,000	400,000		
Replace Gym Floor	REC	150,000											
Replace Basketball rims and backboards	REC								50,000				
Outdoor Pickleball courts	REC					500,000							
Handicap Access to Trotting Park and Sandwich Rd	REC				150,000								
Playground and Gazebo at Trotting Park	REC						500,000						
Exercise Stations and Disc Golf Course	REC							75,000					
Total Recreation		150,000	0	0	150,000	500,000	500,000	75,000	50,000	400,000	400,000	0	0
Library													
E Falmouth Branch Carpet Replacement	LIB		18,000	18,000									
Total Library		0	18,000	18,000	0	0	0	0	0	0	0	0	0
Beach													
Beach Signs	BCH	9,350											
Old Silver Beach (Public & Resident) Bathhouse Windows	BCH		11,095		11,095								
Woodneck Beach Interior Fence/Car Stops	BCH		8,652		8,652								
Bristol Beach Exterior Fence	BCH				9,980								
Old Silver Beach (Public & Resident) Stairs	BCH				72,000								
Surf Drive, Ellen T Mitchell Bathhouse Windows	BCH					16,354							
Handicap Mats	BCH						6,000						
Total Beach		9,350	19,747	0	101,727	16,354	6,000	0	0	0	0	0	0
Total Community Services		159,350	37,747	18,000	251,727	516,354	506,000	75,000	50,000	400,000	400,000	0	0
Subtotal Capital (General Fund)		9,839,138	9,732,527	5,509,780	26,706,299	11,285,243	8,427,163	88,059,285	7,014,103	9,482,577	7,607,089	5,638,608	45,787,630
Schools													
Admin Bldg Windows	SCH								600,000				
General Repairs/Painting-Systemwide Generators (All Buildings)	SCH	120,000			200,000					200,000			
School Safety, Security and Communications	SCH	175,000				200,000	200,000	200,000					
EF Controls and Univents	SCH	350,000											
EF Interior Repairs (Walls, Painting, etc)	SCH				150,000		100,000	150,000			150,000		
HS Chiller (Secondary)	SCH		425,000	425,000									
HS Field	SCH					50,000	50,000	60,000	60,000	60,000	60,000	700,000	
HS Roof Repairs and Replacements	SCH						600,000						
HS Tennis Courts	SCH					900,000							
Lawrence School Elevator	SCH				250,000								
Lawrence School Exterior Façade	SCH	150,000											
Lawrence School Interior Repairs (Walls, Painting, etc)	SCH									400,000			
Lawrence School Parking Lots (Lighting/Paving)	SCH					200,000							
MH Interior Repairs (Walls, Painting, etc)	SCH								200,000				
MP Controls and Univents	SCH				650,000								
MP Interior Repairs (Walls, Painting, etc)	SCH									400,000			
MP Replace Ceiling Tiles	SCH	500,000	500,000	500,000									
NF Boiler	SCH						500,000						
NF Controls and Univents	SCH							500,000					
NF Interior Repairs (Walls, Painting, etc)	SCH								200,000				
TT Interior Repairs (Walls, Painting, etc)	SCH				100,000		100,000	150,000			150,000		
TT Roof Repairs and Replacements	SCH		100,000	100,000									
Subtotal Schools		1,295,000	1,025,000	1,025,000	1,350,000	1,350,000	1,550,000	1,060,000	1,060,000	1,060,000	360,000	700,000	0

CAPITAL IMPROVEMENT REQUEST FORM

Department:	I.T.	Submitted/Prepared By:	Greg Banwarth	Priority #	
Project Title/Description:	Network Switch Rotational Update				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	60,500	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>	11,000	Vendor Programming / Installation
<i>Contingency</i>		
Total Capital	71,500	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	71,500	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

Our current 'Networking Maintenance' CIP covers yearly upgrades for a 5 year network switch rotation (20% of switches replaced per annum). There are presently 11 switches that are 6 years or older and are in need of replacement throughout the Town that the Network Maintenance plans cannot cover - this plan would get the Town fully up to speed on essential switching hardware so the yearly maintenance plans can keep the five year rotational schedule.

Network switches are the backbone of all essential data services for the town, and are a focal point for security and compliancy regulations when the hardware fleet is out of date.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	GIS	Submitted/Prepared By:	Bob Shea	Priority #	1
Project Title/Description:	Move GIS Public application site to cloud				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>	20,000	
<i>Contingency</i>		
Total Capital	20,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	20,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		3500
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>	Possibly	Art for imagery and planimetric updates
Total Available		

Project Need/Goals and Performance Measurement:

The Public GIS site has been lost due to networking problems with the web server a few times this year and our current product (GPV) will no longer be covered by a maintenance agreement. This becomes more complex each year, to eliviate this problem for the future it has been suggested that we move the GIS Public application site to the cloud where it will not depend on local networks to be up and running 24/7. Our current vendor has a cloud product available and is used by many municipalities for their Public GIS sites. An estimate of the cost would be 15-20K depending on the level of service we desire, this would be a one time setup fee including the 1st years maintenance. The annual maintenance would also increase, again depending on level of service from \$2500 to 4-6 thousand a year. This does come at another cost, the data will no longer be live so changes I make will not be seen immediately, generally there is a once a year data refresh this why there is range of dollars needed based on negotiating more than 1 update per year.

There maybe funds available from the exsisting article for GIS updates of imagery and planimetrics

CAPITAL IMPROVEMENT REQUEST FORM

Department:	Town Manager	Submitted/Prepared By:	Peter Johnson-Staub	Priority #	
Project Title/Description:	Golf Course Equipment				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>	50,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	50,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	50,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

This is a request for equipment needed to maintain the Falmouth Country Club. Maintaining a golf course requires a considerable inventory of equipment. Regular replacement of equipment is needed to ensure reliability and avoid excessive down time and repair costs. Under the terms of the existing lease, the Town is obligated to allocate \$50,000 for equipment in FY21. The priorities and cost estimates identified are identified below. Pricing of individual items is subject to change but expenditures shall not exceed \$50,000.

- 2 HoverPro 450 - \$2,000
- 1 Versa Vac - \$27,000
- 1 Transpro 100 \$2,000
- 2 Pro Force Debris Blower \$16,000



CAPITAL IMPROVEMENT REQUEST FORM

Department:	Elections	Submitted/Prepared By:	Michael Palmer, Town Clerk	Priority #	
Project Title/Description:	Election Booths				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	40,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	40,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	40,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The town's present voting booths are over 50 years. Over time many of the wooden voting booths have become damaged. In 2013 the Town voted to replace voting booths for two precincts and redistribute the remaining booths to be use at the other precincts. The majority of our polling places are not town owned buildings not allowing for the storage at the polling locations, a contributing factor to more booths becoming damaged during set up, break down, storage and transportation.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	Police	Submitted/Prepared By:	Lt. Christopher Hamilton	Priority #	
Project Title/Description:	Police Cruisers				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	100,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	100,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	100,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

Need: As of 2020, Ford Motor Company offers a Hybrid Police Utility Vehicle, the result of its discontinuation of the Police Interceptor Sedan. The Town elected to purchase three of these vehicles in an effort to reduce its carbon footprint. The newly designed Hybrid Police Utility (PI) Vehicle cost is \$55,000.00 plus (with a 5% increase in cost each year). Due to the new design, much of the current emergency equipment will not be reusable, resulting in an increased cost. **The request would supplement our current budget and allow the Department to purchase and outfit 4 vehicles (1/3 of marked fleet).**

Goal: To maintain a dependable / reliable fleet that will assist the Department's Personnel in its everyday operations.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	Police Department	Submitted/Prepared By:	Robert Segrin	Priority #	
Project Title/Description:	PD MDT Computer Upgrades				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	14,600	MDT Tablets, Docks and Mounting hardware for cruisers
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>	5,400	Labor: Installation
<i>Contingency</i>		
Total Capital	20,000	

Project Need/Goals and Performance Measurement:

Upgrade and replace cruiser Mobile Data Terminal(s) (MDT) equipment in cruiser fleet including MDT Tablet, dock, mounting hardware and peripherals for the Police Department. Current MDTs in Cruiser fleet have reached end-of-life and are no longer covered under the manufacturer's warranty. MDTs will be replaced with a standardized build across the fleet that will allow for ease of maintenance and equipment swaps to keep cruisers on the road more often and spend less time being serviced at HQ. MDT equipment in cruisers will be replaced with comparable equipment designed to meet the departments technical and operational needs.

An industry standard 3-year manufacturer warranty will be applied to each MDT setup, with an expected plan to replace MDTs after the 3-year manufacturer warranty has expired. The MDT tablet, docking system, mounting hardware and required equipment have been configured to optimize performance and reliability while minimizing overall footprint and equipment layout in the cruiser, allowing more space for other critical operational equipment.

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	20,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

CAPITAL IMPROVEMENT REQUEST FORM

Department:	I.T.	Submitted/Prepared By:	Greg Banwarth	Priority #	
Project Title/Description:	Public Safety Network Segregation Main Phase				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	23,030	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>	11,550	Programming / Install
<i>Contingency</i>	5,000	Fiber GBICS, other essentials
Total Capital	39,580	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	39,580	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

2020 saw a shift in technical supportive services for Public Safety that included an in-resident IT support staff, requiring a segregation of essential network services for security and compliancy. While the I.T. department has performed most of the network segregation for the public safety, the most important components need funding - namely firewall services and essential network routing/programming.

Please find an attached quote for Fortinet Firewall and Switching segregation project for the FD/PD network - we have also asked for an allocation of 5,000 USD for any other associated costs with this project (such as fiber interconnects [gbics] and/or monitoring/logging software).

CAPITAL IMPROVEMENT REQUEST FORM

Department:	Fire / Rescue	Submitted/Prepared By:	Timothy Smith	Priority #	
Project Title/Description:	Fire Engine				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	870,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	870,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	870,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

Funding will replace a 1992 pumper, purchased used in 2016. This truck was decommissioned last year due to multiple safety failures resulting from its advanced age. The emergent loss of this apparatus has left the Department without a spare pumper, which is vital to ensure continuity of operations across the entire Town. A continual replacement program needs to be in place on major fire apparatus and equipment as a means of responsible departmental management. Replacement of such equipment in a planned manner allows for and encourages expedient, efficient, effective and safe responses of the Emergency Services personnel and the fire apparatus on the roads within the community.

Within 20 years of a life span of a fire engine technology increases and the amount of equipment and the use of equipment and space for said equipment changes and becomes a very important issue to the future and quality of fire and emergency services.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	Fire / Rescue	Submitted/Prepared By:	Michael Small	Priority #	
Project Title/Description:	Emergency Generator (Station 1)				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	90,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	90,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	90,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

Fire Stations need to be under power at all times during all weather conditions. An emergency generator is a vital part of any manned fire station. Additionally, the HQ fire station serves as the Towns' Emergency Operations Center during severe storms and other potential natural or man-made disasters. Replacement of this aged generator is necessary at this time. The exterior housing is corroded beyond repair, and replacement of the exterior housing only is cost prohibitive.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	MES	Submitted/Prepared By:	Gregg Fraser	Priority #	1
Project Title/Description:	Dredging/Engineering & Permits				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>	50,000	
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>	50,000	
<i>Contingency</i>		
Total Capital	100,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	100,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

This request consists of two parts. The first is the annual inlet dredging, associated engineering, permitting and beach renourishment for \$50,000. Each year the south facing inlets are surveyed and dredging is performed by the county to insure the inlets remain safe to navigate for boaters in town. The additional \$50,000 of this request will be used to hire an engineering and permitting consultant to renew the town's 10-Year Comprehensive dredging, beach renourishment, and water quality permit. The current permit expires in February of 2022. A new comprehensive permit will be required from the Conservation Commission, State Department of Environmental Protection and the Federal Army Corp of Engineers. The town has been advised to apply for a new permit earlier than normal as several regulatory agencies are reporting a significant back log of applications and numerous delays in issuing new permits.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	MES	Submitted/Prepared By:	Gregg Fraser	Priority #	3
Project Title/Description:	Marina Power Pedestal Replacements				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	7,700	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	7,700	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	7,700	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

This request is to fund the purchase and replacement of (5) marina power pedestals. We will replace older failing units with new ones of the same Eaton Lighthouse model. Each lighthouse unit will have two 30 and 50 amp breakers on each side. The cost per unit is \$1,541.00

CAPITAL IMPROVEMENT REQUEST FORM

Department:	MES	Submitted/Prepared By:	Gregg Fraser	Priority #	4
Project Title/Description:	Dinghy Racks				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>	20,000	
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	20,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	20,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

This will fund year two of our multi year installation of dinghy racks in various locations around town. MES will work with the Conservation Department to determine where the units will be placed to provide maximum benefit to the environment by removing dinghies from town resource areas. We anticipate the racks will be manufactured on site by BCS prisoner work crews.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	Beach/Conservation Depts	Submitted/Prepared By:	Jennifer L. Lincoln	Priority	
Project Title/Description:	Beach Profile Surveys				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>	12,000	bi-annual surveys
<i>Contingency</i>		
Total Capital	12,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	12,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The Beach and Conservation Departments are requesting \$12,000 for bi-annual beach survey profiles to be completed as recommended by the Beach Management Plan and the Conservation Commission Order of Conditions. The bi-annual beach profiles are important to determine which beaches are experiencing erosion/accretion and at what rate.

The surveys would be conducted at the following beaches:

- Megansett (1 profile)
- Old Silver (4 profiles)
- Chappy (3 profiles)
- Woodneck (2 profiles)
- Surf Drive (3 profiles)
- Falmouth Heights (2 profiles)
- Bristol (2 profiles)
- Menauhant (4 profiles)

Beach profiles would be collected from the edge of parking lot/road to ~-2 Mean Low Water (MLW).

CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Highway Division	Submitted/Prepared By:	James F. Grady Jr.	Priority #	1
Project Title/Description:	Road Maint/Construction/Sidewalks				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>	300,000	
<i>Planning/Study</i>		
<i>Design</i>	100,000	
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	400,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	400,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The Department of Public Works Highway Division is requesting continued funding to maintain and make improvements to the streets and sidewalks within the community. Previous funding has allowed the Highway division to make necessary drainage upgrades in areas of need, many sidewalk improvements with new ADA accommodations as well as roadway resurfacing and maintenance on multiple streets within the community. Making sidewalks within the community safer and more accessible for pedestrians of all kinds will continue with this funding. Planning and design for future roadway projects is a necessary part of the process and the funding will also assist in that process.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	Bicycle Accommodations	Submitted/Prepared By:	James F. Grady Jr.	Priority #	2
Project Title/Description:	Bike Path Annual Maintenance and Improvements				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>	80,000	
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	80,000	

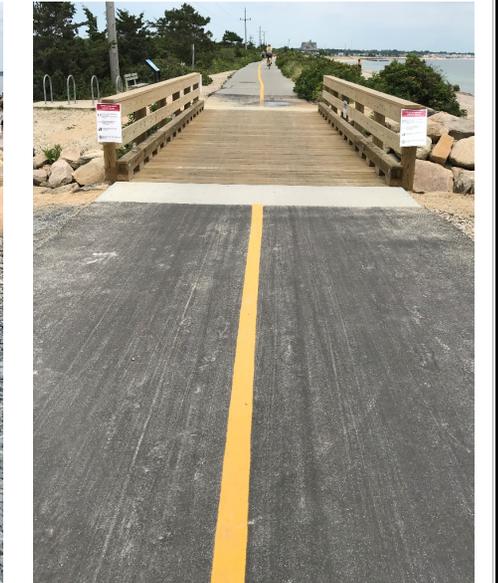
Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	80,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The Department of Public Works Highway Division requests continued funding for general repair to the Shining Sea Bikeway. These repairs include Asphalt Paving, Paint Markings, Signage and Tree Pruning / Removal to name a few. Continued funding will allow the Highway division to continue with the repaving of areas affected by cracking and root bumps from trees which create a hazard for bikers and pedestrians.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	Fleet - Facilities Div.	Submitted/Prepared By:	Jim Grady	Priority #	
Project Title/Description:	Replace F-43 - 2002 Chevy Pickup Truck				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>	34,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	34,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	34,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

Requesting the replacement of F-43, a 2002 Chevy Truck, VIN # 2GCEK19T621376549 with 97,685 K miles. This vehicle is driven by the Facilities Department to service town buildings. Replacing this truck with a smaller Transit Connect van will allow the custodial / Maintenance staff to store and secure products, supplies and tools used in the daily maintenance routine at our public buildings.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Fleet (Hwy Division)	Submitted/Prepared By:	Jim Grady	Priority #	
Project Title/Description:	Replace H-6 - 1998 Ford F-350 Pick-up				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>	55,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	55,000	

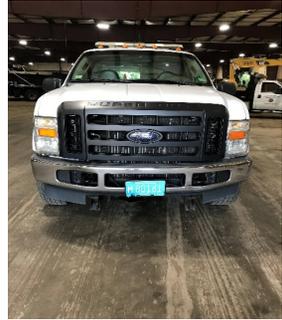
Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	55,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The Highway Division is requesting the replacement of H-6, a 1998 Ford F-350 pick-up VIN # 1FTWF31R58ED92415 with 129,170 K Miles. If approved this truck will be replaced with a new Single rear wheel, gas powered F-350 utility. This truck is used for sign installation and repair on a daily basis as well as Snow and Ice control. Replacing this truck with a utility truck will give the division the ability to store tools and sign stock on board.



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CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Fleet (Hwy Division)	Submitted/Prepared By:	Jim Grady	Priority #	
Project Title/Description:	Replace H-13 - 2006 Ford F-350 Dump Truck				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>	60,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	60,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	60,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

This request is for the replacement of H-13, a 2006 Ford F-350 dump, VIN# 1FDWF37P56EC93771 with 90,954 K miles. This vehicle has met its life cycle with age and miles and should be replaced. H-13 is one of the primary roadway maintenance vehicles used daily for asphalt patching and repair as well as snow and ice control. If approved this vehicle will be replaced with one of the same but with a gas engine to keep costs down.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Fleet (WW Division)	Submitted/Prepared By:	Jim Grady	Priority #	
Project Title/Description:	Replace I-3 - 2002 Ford Explorer				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>	34,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	34,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	34,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

This request is for the replacement of I-3, a 2002 Ford Explorer , VIN # 1FMZU72E9UC71269 with 107,773 K Miles. This vehicle is used by the Inspectional serviced department. It has met its life cycle and has become costly to repair. S-1, a 2008 Ford Taurus sedan, VIN # 1FAHP24W28G120013 with 50,165 miles. The sewer Division is in need of an additional versatile vehicle to maintain the sewer system expansion. Replacing this Taurus with a pick-up will help in the day to day maintenance needs of the division. If approved I-3 will be replaced with a full size F-150 4x4 gas pick-up which will go to the Sewer Division and S-1 (Ford Taurus) will be assigned to Inspectional Services.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Fleet (Parks Division)	Submitted/Prepared By:	J. Grady	Priority #	
Project Title/Description:	Replace P-13 - 2008 F-350 Dump Truck				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>	60,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	60,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	60,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The Parks Division is requesting the replacement of a 2008 F-350 Dump Vin # 1FDWW37R58ED98668 with 156,000 miles . This truck is used for field maintenance, mowing crews, tree work as well as snow and ice control. It has met its life cycle in years/miles and should be replaced. This truck will be replaced with regular cab flat bed truck in place of the current 4-door crew cab.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Fleet (Parks Division)	Submitted/Prepared By:	Jim Grady	Priority #	
Project Title/Description:	Replace P-42 - 2000 John Deere Tractor				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>	75,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	75,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	75,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The Parks Division is requesting the replacement of P-42, a 2000 John Deere Tractor. This Tractor is used for ball field maintenance as well as roadside mowing. The replacement will be a Kubota Tractor of the same caliber.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Fleet (Water Division)	Submitted/Prepared By:	Jim Grady	Priority #	
Project Title/Description:	Replace W-3 - 2008 Ford F-350 Utility Truck				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>	55,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	55,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	55,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The Water Division is requesting the replacement of W-3, a 2008 F-350 utility, VIN # 1FTWX31R78EC06225 with 185,687 K Miles. This Truck is used by the Water Division on a daily basis to maintain the water infrastructure as well as snow and ice control in the winter. If approved , this vehicle will be replaced with one of the same but with a gas engine.



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CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Fleet (Water Division)	Submitted/Prepared By:	Jim Grady	Priority #	
Project Title/Description:	Replace W-11 - 2008 Ford F-350 Utility Truck				

Estimated Costs		(attach additional information if available)
Capital:	Cost	Comments
<i>Equipment</i>	58,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	58,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	58,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The Water Division is requesting the replacement of a 2008 Ford F-350 Diesel Utility truck VIN#1FDWF37R38ED98667 with 145,268 K Miles. This truck is part of the Water Division fleet, working to maintain the water infrastructure as well as snow and ice control in the winter. Due to age, miles and repair costs this truck should be replaced. If approved, this vehicle will be replaced with one of the same but with a Gas engine.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Water	Submitted/Prepared By:	Stephen Rafferty	Priority #	1
Project Title/Description:	Watershed Protection Plan				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>	20,000	
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	20,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	20,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The DEP has mandated that with the LPWTP on line that we update our Watershed Protection Plan to reflect current conditions. The requested amount is based upon a budgetary figure from our Engineer to complete the study in accordance with DEP requirements.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW - Water	Submitted/Prepared By:	Stephen Rafferty	Priority #	3
Project Title/Description:	Water Meter Replacement Program				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	100,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	100,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	100,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

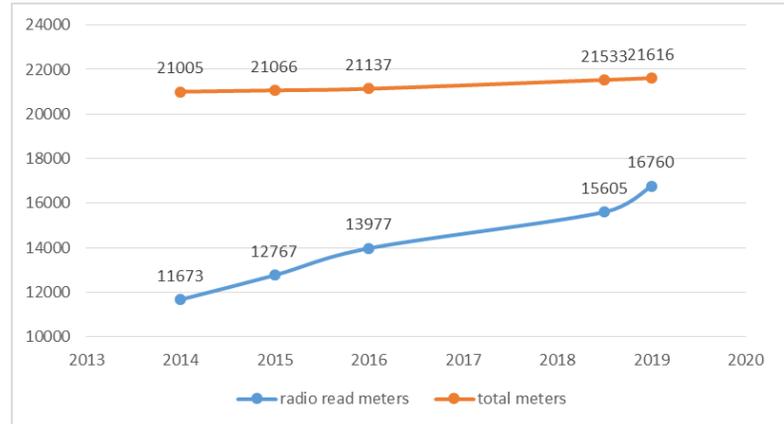
Project Need/Goals and Performance Measurement:

This Capital Request is year 8 of an initial 10 year program to convert all meters in Town to Radio Read meters. We are requesting a capital allocation of \$100,000 this year. We are currently at over 80% radio read meters. As we get into the last 20% we are finding that the ability to change a lot of meters is challenging. Contacting summer residents, chasing down reluctant homeowners. Therefore we are reducing the request from 200K to 100K and stretching out the end until FY2025. The benefit of having all radio read meters are

1. Ability to change the billing and revenue collection cycle from bi-annual to quarterly providing improved cash flow during the fiscal year.
2. Improved ability to identify and manage delinquent accounts.
3. Improved ability to detect abnormal water consumption - out of range excess usage is potentially a leak and is brought to the attention of property owners thereby minimizing waste of water and financial hardship to the homeowner.
4. With radio readers the labor and time to read meters is reduced allowing the Town to migrate to quarterly readings without having to increase staff.

Currently the operational budget has a line item, 01-450-5865, funded at \$175,000 which is 3.5% of the \$5M capitalized value of the metering system. This appears to be an adequate line item for annual maintenance and repair. Since the most equitable means of financing water system O&M and Capital Improvements is via accurate metering, an ongoing meter replacement of 1,000 meters / year keeps the metering system life cycle at 20 years.

An annual allocation of \$250,000 was included in the 2016 water and sewer rate analysis.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Wastewater	Submitted/Prepared By:	Amy Lowell	Priority #	2
Project Title/Description:	Preliminary Design WWTF TASA Improvements				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>	300,000	
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	300,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	300,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

In November of 2019, Town Meeting authorized \$95,000 (Article 3 11/19) for an Evaluation of the Town's Main Wastewater Treatment Facility (WWTF) to determine what WWTF improvements would be required to accommodate additional flow from the Teaticket-Acapesket Service Area (TASA) and from the existing sewer service area while meeting the WWTF's groundwater discharge permit and protecting water quality. The evaluation focussed primarily on three areas: secondary/tertiary treatment capacity, the sludge processing equipment, and the operations building. That evaluation has been completed, and as planned we are now requesting funds take the next step, which is to prepare the preliminary design for the recommended upgrades to the facility. The funds to complete the remainder of the design will be requested at the April 2021 Town Meeting, when funds for construction will be requested. Below, the major recommendations of the evaluation are summarized.

Secondary/Tertiary Treatment Capacity- The cost and projected performance results of the addition of a third Sequencing Batch Reactor (SBR) to meet increased flow and load requirements was compared to that of converting the facility to a Membrane Bioreactor System of equivalent capacity. It was determined that adding a third SBR would cost less (for construction and operation) and would provide more flexibility in operations. In addition, the evaluation concluded that adding more influent equalization storage capacity would help reduce the diurnal fluctuation in influent load to the treatment system, which would in turn help improve WWTF performance.

The main WWTF accepts an average of approximately 30,000 gallons per day of septage from properties in the Town of Falmouth. In addition, a certain amount of sludge is removed from the SBRs every cycle. When the WWTF was upgraded in 2005, three SOMAT units (pictured right) were installed for sludge thickening. The manufacturer of SOMAT no longer sells these types of units for wastewater sludge thickening because they have been found to wear fast, to require frequent maintenance and to be challenging to operate at the pace required at our facility.

Thickening (gravity belt thickener and rotary drum) and dewatering (belt filter press, screw press, founrier press and centrifuge) technologies were evaluated for sludge handling at the WWTF, and the regional market for liquid and "cake" sludge was evaluated. It was determined that the gravity belt thickener (GBT) was the best choice for Falmouth's upgrade because of its durability and ease of maintenance and because it produces liquid sludge which is projected to continue to be less costly to dispose of regionally. A preliminary layout of the GBTs is shown below. To accomodate any of the technologies evaluated, the sludge processing building would need to be modified, and to accomodate future volume, additional tanks would be required as shown below on the right.

The Operations Building (adjacent photo) was constructed in the mid 1980s. Minimal upgrades have been completed on or within this building since that time, though other facilities have been constructed around it. The Wastewater Division had 3 employees and served approximately 600 properties in the years after the building was constructed. The wastewater treatment facility was a simple lagoon treatment system and the 6 lift stations were connected to the WWTF via "tone telemetry" (photo of current communication line board on right). The Wastewater Division now has 8 employees, serves approximately 2400 properties, operates two tertiary treatment systems, and 11 lift stations communicate to the WWTF via a variety of methods (7 of them with SCADA communication via radio). Photo of electrical room to right shows many equipment control cabinets tagged out because original equipment is no longer in use. Old/unused items in this building can be demolished to make more efficient use of the space.

The Town and the Engineering firm GHD evaluated the existing building and identified and prioritized needs, then evaluated multiple layout options for an upgraded building. The Engineer concluded that the core structure of the existing buildings was solid and could be used, with modifications to non-structural features. The initial layouts considered all included expansion of the building footprint. However, it was determined that if the electrical room equipment was consolidated and relocated to the basement, and mechanic's room and garage area were consolidated into a new compact garage facility, then the top priority needs for the operations building could be incorporated into the existing operations building footprint. Preliminary basement and first floor plans shown below include a larger modernized SCADA/control room, upgraded electrical room, meeting/training room, and improved

CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Wastewater	Submitted/Prepared By:	Amy Lowell	Priority #	3
Project Title/Description:	Sewer Cleaning (Vac-Jet) Truck Replacement				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	470,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	470,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	470,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The Vacuum-Jet Truck is used by the Wastewater Division to clean gravity sewers, to clean tanks and wet wells, and to flush low pressure sewer lines in the Little Pond Sewer Service Area. The equipment is also used by the Highway Division to clean storm drains and catch basins. Having this essential equipment on hand allows the town to respond quickly to sewer back ups and to perform both emergency and maintenance work in house at a much lower cost than would be required to hire outside contractors for the service. The equipment is now more than 17 years old and is requiring increasing maintenance. We spent \$23,000 in 2015 to rehabilitate the truck, and we have spent another \$20,000 in the past 18 months on additional repairs. When the Vacuum-Jet Truck is out for service, the Wastewater Division has to pay a private company to perform any emergency sewer cleaning that is required, which costs approximately \$2,000-\$3,000 per event. In order to ensure availability of this essential equipment and to avoid increasing maintenance cost, it is requested that the Vacuum-Jet Truck be replaced this fiscal year.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Engineering	Submitted/Prepared By:	James McLoughlin	Priority #	1
Project Title/Description:	Coastal Erosion Repair & Maintenance				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>	925,000	Chapoquoit
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	925,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	925,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

Capital improvement funds for Coastal Erosion Repair are necessary for performing work along Chapoquoit Road. This capital request will repair the final section of Chapoquoit Road that is currently experiencing undermining. It is anticipated that the undermining will become progressively worse as has already occurred in sections of the road to the immediate south which have been repaired. The proposed work consists of installing sheet piling behind the existing undermined concrete sea wall, removing and rebuilding the upper section of the wall and rebuilding the stone revetment in front of the wall. New guard rail and pavement will complete the work. The work will extend from the previously repaired section north approximately 275 feet to the end of the Public Way. Sheet Piling, Wall and Revetment Reconstruction, Guard Rail and Pavement are estimated at \$925,000.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Engineering	Submitted/Prepared By:	James McLoughlin	Priority #	2
Project Title/Description:	National Pollutant Discharge Elimination System (NPDES)				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>	100,000	Compliance
<i>Contingency</i>		
Total Capital	100,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	100,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

Funding for the Town's National Pollutant Discharge Elimination System (NPDES) program are necessary to comply with the EPA/DEP General Permit for Storm Water Discharges for small municipal separate storm sewer systems located in the Town of Falmouth. Funds are necessary to track, monitor, sample, and report on the Town's significant number of drainage structures and implement the required Storm Water Program including storm water improvements, regulation creation, education and outreach to the public.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Administration	Submitted/Prepared By:	Peter McConarty	Priority #	1
Project Title/Description:	Underground Municipal Fuel Tank Removal (Includes Software, Equipment, Security Systems, Lighting & Barrier Fence)				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>	75,000	
<i>Design</i>		
<i>Construction</i>	1,075,000	
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	1,150,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	1,150,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The existing fuel island is located at the Public Works Facility at 416 Gifford Street and provides fuel for all Police, Fire, Public Works and Town Hall vehicles and equipment.

The island and underground tanks were installed in 1987 and are currently past their life expectancy.

The underground tanks need to be replaced before any possible fuel spills happen, resulting in a hazardous material cleanup and requiring major permitting and cleanup costs for the Town.

The fuel island does not have an overhead canopy that would provide proper fire suppression, coverage from weather and ample lighting.

The fuel dispensers are experiencing frequent breakdowns and are in need of replacement. The current system does not have a proper vapor recovery system.



CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW-Parks	Submitted/Prepared By:	Jeremiah Pearson	Priority #	
Project Title/Description:	Athletic Field Maintenance				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>	40,000	
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	40,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	40,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

This maintenance package would encompass different turf management practices beyond the scope of what Public Works can provide. The Town has built 3 new fields and in the process of rebuilding another, this package would allow us to sub-contract management practices like weed/pest control, deep tine aeration and infield replenishment. It is the Parks Departments goal to keep the fields we build to a level of care that keeps them healthy for generations to come.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	DPW - Parks	Submitted/Prepared By:	Jeremiah Pearson	Priority #	
Project Title/Description:	Phase 2 Urban Reforestation Plan				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>	35,000	
<i>Contingency</i>		
Total Capital	35,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	35,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The Parks Department is committed to maintaining a healthy urban forest along Falmouth roads, parks commons and schools. Over this past year the Parks Department was able to remove hundreds of dead trees along our main roads with the first phase of this Capital request. We wish to continue our efforts by getting capital funds to support our newly received Department of Conservation Go Green Grant that includes a Tree Risk Management plan and large scope planting plan.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	Library	Submitted/Prepared By:	Linda Collins	Priority #	
Project Title/Description:	Carpet Replacement at East Falmouth Branch Library				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>	18,000	Carpet Replacement
<i>Planning/Study</i>		East Falmouth Branch Library
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	18,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	18,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

New carpet squares have been installed in the adult collections room of the East Falmouth Branch Library. A shelving collapse in that room called for a replacement of all the old shelving. After removing the collections and the shelving we took advantage of the empty space to replace the existing carpeting. This work would have been a major expense of replacing the carpeting at a later date. We chose the same carpet squares that were installed at the North Branch Library in 2014 as they have worn exceedingly well and we have a number of boxes for spot replacement at either branch. [Geometry II, color Contour #9947 from Atkinson Carpet and Flooring]. There are three areas left to carpet; the Children's room, the Young Adult Room, and the Main Reading Room. None of these areas will require the moving of shelving units or collections. The estimated cost to finish this work is as listed. Attached is a copy of the proposal for the one room that was completed which included the prevailing wage rate.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	Falmouth Schools	Submitted/Prepared By:	Patrick Murphy	Priority #	2
Project Title/Description:	High School Chiller (Secondary)				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>	425,000	
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	425,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	425,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The district needs to prioritize proactively adding a second building chiller to FHS. The current chiller is 16 years old and required significant emergency maintenance last summer. Dehumidifiers needed to be run throughout the building in order to prevent lasting damage to the facility.

The design of the building with internally facing (windowless) classrooms/offices/workspaces and other spaces without windows that open to allow fresh air requires the airflow that is handled by the chiller.

The strategy would be to invest in a new chiller now which would allow us to utilize the older chiller as a back up and extend its life beyond the typical 20 years. An allocation of \$425,000 is estimated for this project. Estimates provided by vendors that service the FHS HVAC system.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	Falmouth Schools	Submitted/Prepared By:	Patrick Murphy	Priority #	1
Project Title/Description:	Morse Pond Ceiling Tile Replacement and Asbestos Remediation (Final Phase)				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>		
<i>Construction</i>	500,000	
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	500,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	500,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The district's top priority is to continue our progress in replacing the Morse Pond ceiling tiles. This requires us to remove the asbestos containing ceiling tiles and in some cases double ceilings throughout the building. The final phase of the project is estimated to require an additional \$500,000 allocation. Estimate is based upon current costs during Phase 1 of the project completed during the summer of 2020.

CAPITAL IMPROVEMENT REQUEST FORM

Department:	Falmouth Schools	Submitted/Prepared By:	Patrick Murphy	Priority #	3
Project Title/Description:	Teaticket Roof- Design/Architect				

Estimated Costs (attach additional information if available)		
Capital:	Cost	Comments
<i>Equipment</i>		
<i>Maintenance</i>		
<i>Planning/Study</i>		
<i>Design</i>	100,000	
<i>Construction</i>		
<i>Land Acquisition</i>		
<i>Other</i>		
<i>Contingency</i>		
Total Capital	100,000	

Estimated Cash Flow:	Capital	O&M
<i>FY 2021</i>	100,000	
<i>FY 2022</i>		
<i>FY 2023</i>		
<i>FY 2024</i>		
<i>FY 2025</i>		
<i>FY 2026</i>		
<i>FY 2027</i>		
<i>FY 2028</i>		
<i>FY 2029</i>		
<i>FY 2030</i>		

O & M Costs:	One Time	Annual/Ongoing
<i>Personnel</i>		
<i>Expense</i>		
<i>Other</i>		
Total O & M		

Available/Potential Funds:	Amount	Comment
<i>Federal</i>		
<i>State</i>		
<i>CPA</i>		
<i>Existing Articles/Funds</i>		
Total Available		

Project Need/Goals and Performance Measurement:

The district would like to request an allocation of \$100,000 to provide initial architectural design and estimating services for the Teaticket roof replacement project. This project has been submitted to the MSBA repair program. We do not know if the project has been accepted yet. Regardless, the first step is to get formal plans completed and current project estimates. The initial estimates in 2019 suggested an overall cost of \$1 million to \$1.5 million dollars but current market conditions may change that amount. Estimates provided by OPM assigned to the district for previous MSBA projects.