CAPITAL PROJECTS SCHEDULE WASTE WATER TREATMENT FACILITY FORM A Funded/in progress PROJECT# PROJECT OR EXPENDITURES PER FISCAL YEAR TOTAL rant Application PRIORITY# ACQUISITION DESCRIPTION FY2022 FY2023 FY2024 FY2025 FY2026 FY2027 FY2028 FY2029 FY2030 FY2031 COST Screw Pump Replacement x2 (less than 4 years life remaining) 689,600 689,600 Primary Clarifiers-update drives, concrete epoxy, cross collectors Secondary Clarifiers-distribution baffles, return box,concrete epoxy \$ 2 Aeration Tanks-Turbo Blower Updates (GAP II Grant) 200,000 \$ 200.000 2 Aeration Tanks-Fine Bubble Diffusion (New GAP II Grant Funding?) \$ Aeartion Tanks-Concrete Rehab \$ \$ 50,000 Pump Station Upgrades (J&G, simple updates) 50,000 Pump Station Upgrades (Tech School) 200,000 \$ 200,000 Pump Station Upgrades (Montague Center) \$ 200,000 \$ 200.000 Pump Station-Generators x4 \$ Composting-Phase 1 (State Funded?) \$ Composting-Phase 2 (State Funded?) Operations Building Electrical Improvements \$ 952,406 952,406 Heating, Ventilation & Air Conditioning (Ops Building) RAS pump replacement x3 Instrumentation, Electrical & Control Improvements \$ 368,635 368.635 \$ Septage Receiving Station (State Funded Under Composting 1?) \$ 180,800 180,800 Septage Recieivng pipe and valve replacement 50,000 Dewatering Press (Lease to own) (Possible State funded?) 58,500 \$ 58,500 \$ 58,500 \$ 58,500 \$ 234,000 1 Generator Replacement-Update location, transfer switch, fuel type 130,000 130,000 \$ Mechanical Screen, Grit Removal & Channel Relocation \$ 1,140,541 \$ 1,140,541 Fine Sreening (State funded w/ composting project?) Influent Pipe Replacement (needs engineering review) \$ 2,000,000 \$ 2,000,000 Truck Replacement (FORD Electric?) 85,000 Fencing/Automated Gates 50,000 Technically Based Local Limits Study (IPP) 50,000 215,000 215,000 Chlorination System-Gas to Hypo Conversion \$ 358.500 368,635 \$ 2,000,000 6,106,382 FY TOTAL 869,300 \$ 1,010,906 \$ 1,499,041

CAPITAL BUDGET REQUEST - WPCF						
PROGRAM: SUB-PROGRAM: ELEMENT: DEPARTMENT: Public Works & WPCF	SELECTMEN'S RECOMMENDATION:YESNO; if yes, recommend source of funding if no, provide reason					
PROJECT TITLE AND NUMBER 2015 #1 Influent Pipe replacement.	DEPT. PRIORITY	ESTIMATED COST	ESTIMATED USEFUL LIFE	PREVIOUSLY REQUESTED?		
	1	\$ 3,000,000	Structures - 50 years Equipment - 20 years	Y		
PROJECT DESCRIPTION: Replacement of two sanitary sewer pump stations, First ST. & Poplar ST.						
Replacement of the sanitary sewer pumping stations. See Wastewater Pumping Station Evaluation Final Report, September 2012, CDM Smith.						
PROJECT JUSTIFICATION AND PURPOSE: The age and condition of the eight wastewater pumping stations warranted a thorough review. In many cases, upgrade or replacement is needed. The age of the eight stations varies, with original construction dates ranging from 1962 to 1982. A typical life expectancy for wastewater pumping equipment is 20 to 30 years, 4 of the stations are 52 years old.						
COST ESTIMATE AND BASIS (ATTACH ANY BACKUP)	IDENTIFY KNOWN SOURCE OF FUNDING (GRANTS, STATE PROGRAMS, TRADE-IN ETC.)					
CSO revised project.	State DEP SRF no interest loan. To be paid by sewer user fees.					
IF APPLICABLE, LIST ESTIMATED ANNUAL OPERATION AN	D MAINTENANCE COSTS:	\$100				
IMPACT OF DEFERRING CAPITAL ITEMS						
Deferring this item puts the Town at risk of station failure and much higher costs.						
- Town Liability - Much higher cost to repair/replace if a failure o - No Federal or State mandates are affected by this item.	ccurs.					

CAPITAL BUDGET REQUEST - WPCF						
PROGRAM:	SELECTMEN'S RECOMMENDATION:					
SUB-PROGRAM: ELEMENT:		YESNO; if yes, recommend source of funding				
DEPARTMENT: Public Works & WPCF	if no, provide reason					
	, ,					
	DEPT.	ESTIMATED	ESTIMATED	PREVIOUSLY		
PROJECT TITLE AND NUMBER 2016 #1	PRIORITY	COST	USEFUL LIFE	REQUESTED?		
Structural Improvements	1	\$ 100,000	Structures - 50 years	Y		
	'	Ψ 100,000	Equipment - 20 years			
PROJECT DESCRIPTION:						
The vencin of atmost and defects in the Operations Built	alia a					
The repair of structural defects in the Operations Bui Originally a part of the CSO Project.	ding.					
Deferred to FY 2016 due to expenditure on sanitary	sewer system emergency repair.					
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PROJECT JUSTIFICATION AND PURPOSE:						
Personnel Safety.						
Integrity of the structure of the Operations Building.						
COST ESTIMATE AND BASIS	IDENTIFY KNOWN SOUP	OC OF FUNDING				
(ATTACH ANY BACKUP)						
(ATTACTIANT BACKOT)	Sewer Fees	(GRANTS, STATE PROGRAMS, TRADE-IN ETC.) Sewer Fees				
CSO revised project.						
IF APPLICABLE, LIST ESTIMATED ANNUAL OPER	ATION AND MAINTENANCE COSTS	ФЕОО				
IF APPLICABLE, LIST ESTIMATED ANNUAL OPER	ATION AND MAINTENANCE COSTS:	\$500				
IMPACT OF DEFERRING CAPITAL ITEMS						
Defects in the Operations Building Structure may become worse.						
- Town Liability - Personnel and equipment safety.						
- Federal or State mandates affect this item. Massachusetts General Laws.						

CAPITAL BUDGET REQUEST - WPCF								
PROGRAM: SUB-PROGRAM: ELEMENT: DEPARTMENT:	Public Work	s & WPCF	SELECTMEN'S RECOMMENDATION:YESNO; if yes, recommend source of funding if no, provide reason					
PROJECT TITLE AND NU Sludge pump upgrade.	JMBER	2016 #2	DEPT. PRIORITY 2	STIMATED COST \$ 100,000	ESTIMATED USEFUL LIFE Structures - 50 years Equipment - 20 years	PREVIOUSLY REQUESTED?		
PROJECT DESCRIPTION The upgrade of the primal Originally a part of the CS Deferred to FY 2016 due to	ry sludge pur O Project.		system emergency repair.	·				
PROJECT JUSTIFICATION AND PURPOSE: Increases operator control options, reduces maintenance and energy costs. Reduces exposure to primary sludge for staff and also for reduced house keeping in the primary sludge pump room as well as odor reduction.								
COST ESTIMATE AND B (ATTACH ANY BACKUP) Arm chair estimate			IDENTIFY KNOWN SOURCE OF FUNDING (GRANTS, STATE PROGRAMS, TRADE-IN ETC.) Sewer Fees					
IF APPLICABLE, LIST ES	TIMATED A	NNUAL OPERATION	AND MAINTENANCE COST	S: \$1,000				
IMPACT OF DEFERRING - Town Liability - Operatio - No Federal or State man	nal and main	itenance cost.						

CAPITAL BUDGET REQUEST - WPCF							
PROGRAM: SUB-PROGRAM: ELEMENT: DEPARTMENT: Public Works & WPCF	SELECTMEN'S RECOMMENDATION:YESNO; if yes, recommend source of funding if no, provide reason						
PROJECT TITLE AND NUMBER 2017 #1 Operations Building Electrical Improvements	DEPT. PRIORITY 3	ESTIMATED COST \$ 952,406	ESTIMATED USEFUL LIFE Structures - 50 years Equipment - 20 years	PREVIOUSLY REQUESTED? Y			
PROJECT DESCRIPTION: Upgrade of the electrical system equipment associated with other capital improvements in the Operations Building. Originally a part of the CSO Project. Deferred to FY 2017 due to expenditure on sanitary sewer system emergency repair.							
PROJECT JUSTIFICATION AND PURPOSE: In conjunction with other capital items affecting the equipment in the Operations and Administration Building the electrical systems associated need to be upgraded.							
COST ESTIMATE AND BASIS (ATTACH ANY BACKUP) CSO revised project.	IDENTIFY KNOWN SOURCE OF FUNDING (GRANTS, STATE PROGRAMS, TRADE-IN ETC.) Sewer Fees						
IF APPLICABLE, LIST ESTIMATED ANNUAL OPERATION AND MAINTENANCE COSTS: \$1,000							
IMPACT OF DEFERRING CAPITAL ITEMS System reliability, safety and cost to maintain. As the equipment continues to age and due to the environment it is in reliability issues arise. The safety of personnel operating the equipment is of concern as system age increases and the cost to purchase components for existing equipment increases as fewer parts are available.							

- No Federal or State mandates affect this item, Electrical code changes over time affect future repairs & replacement.