

# CAPITAL PROJECTS SCHEDULE

DEPT. WASTE WATER TREATMENT FACILITY		FORM A										
PROJECT #	PROJECT OR ACQUISITION DESCRIPTION	EXPENDITURES PER FISCAL YEAR										TOTAL
		FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	COST
1	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?)		x									\$ -
	Aeration Tanks-Concrete Rehab					x						\$ -
	Pump Station Upgrades (J&G, simple updates)		\$ 50,000									\$ 50,000
1	Pump Station Upgrades (Tech School)		\$ 200,000									\$ 200,000
	Pump Station Upgrades (Montague Center)				\$ 200,000							\$ 200,000
	Pump Station-Generators x4			x								\$ -
	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 Receiving pipe and valve replacement		\$ 50,000									\$ 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 Screening (State funded w/ composting project?)											\$ -
	Influent Pipe Replacement (needs engineering review)						\$ 2,000,000					\$ 2,000,000
	Truck Replacement (FORD Electric?)	\$ 85,000										\$ 85,000
	Fencing/Automated Gates				\$ 50,000							\$ 50,000
	Technically Based Local Limits Study (IPP)				\$ 50,000							\$ 50,000
	Chlorination System-Gas to Hypo Conversion	\$ 215,000										\$ 215,000
	<b>FY TOTAL</b>	<b>\$ 358,500</b>	<b>\$ 869,300</b>	<b>\$ 1,010,906</b>	<b>\$ 1,499,041</b>	<b>\$ 368,635</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,106,382</b>

Funded/in progress  
Grant Application

CAPITAL BUDGET REQUEST - WPCF				
PROGRAM: SUB-PROGRAM: ELEMENT: DEPARTMENT:           Public Works & WPCF	SELECTMEN'S RECOMMENDATION: ___ YES ___ NO; if yes, recommend source of funding if no, provide reason			
PROJECT TITLE AND NUMBER           2015 #1 <b>Influent Pipe replacement.</b>	DEPT. PRIORITY  1	ESTIMATED COST  \$   3,000,000	ESTIMATED USEFUL LIFE  <b>Structures - 50 years</b> Equipment - 20 years	PREVIOUSLY REQUESTED?  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)  CSO revised project.	IDENTIFY KNOWN SOURCE OF FUNDING (GRANTS, STATE PROGRAMS, TRADE-IN ETC.)  State DEP SRF no interest loan. To be paid by sewer user fees.			
IF APPLICABLE, LIST ESTIMATED ANNUAL OPERATION AND 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 occurs. - No Federal or State mandates are affected by this item.				

CAPITAL BUDGET REQUEST - WPCF				
PROGRAM: SUB-PROGRAM: ELEMENT: DEPARTMENT:           Public Works & WPCF	SELECTMEN'S RECOMMENDATION: ___ YES ___ NO; if yes, recommend source of funding if no, provide reason			
PROJECT TITLE AND NUMBER           2016 #1 <b>Structural Improvements</b>	DEPT. PRIORITY  1	ESTIMATED COST  \$    100,000	ESTIMATED USEFUL LIFE  <b>Structures - 50 years</b> Equipment - 20 years	PREVIOUSLY REQUESTED?  Y
PROJECT DESCRIPTION:  The repair of structural defects in the Operations Building. Originally a part of the CSO Project. Deferred to FY 2016 due to expenditure on sanitary sewer system emergency repair.				
PROJECT JUSTIFICATION AND PURPOSE:  Personnel Safety. Integrity of the structure of the Operations Building.				
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:		\$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 Works & WPCF	SELECTMEN'S RECOMMENDATION: ___ YES ___ NO; if yes, recommend source of funding if no, provide reason			
PROJECT TITLE AND NUMBER           2016 #2 <b>Sludge pump upgrade.</b>	DEPT. PRIORITY  2	ESTIMATED COST  \$     100,000	ESTIMATED USEFUL LIFE  Structures - 50 years <b>Equipment - 20 years</b>	PREVIOUSLY REQUESTED?  Y
PROJECT DESCRIPTION:  The upgrade of the primary sludge pumps. Originally a part of the CSO Project. Deferred to FY 2016 due to expenditure on sanitary sewer 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 BASIS (ATTACH ANY BACKUP)  Arm chair estimate	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  - Town Liability - Operational and maintenance cost. - No Federal or State mandates are affected by this item.				

