

City of Northampton
Capital Improvement Program
FY2019 – FY2023
Mayor David J. Narkewicz
Submitted to City Council on
January 29, 2018

City of Northampton, Massachusetts

CAPITAL IMPROVEMENT PROGRAM

FOR

FISCAL YEARS 2019-2023

Capital Improvement Program for FY2019-FY2023

The Capital Improvement Program for FY2019 – FY2023 was created by the Mayor pursuant to Article 7, Section 7-5 of the City of Northampton Charter and submitted to the City Council for public hearing and adoption no later than June 1, 2018. The Capital Improvement Program consists of the following:

- 1) a general summary of its contents;
- 2) a list of all capital improvements proposed to be undertaken during the next 5 years, with supporting information as to the need for each capital improvement;
- 3) cost estimates, methods of financing and recommended time schedules for each improvement;
and
- 4) the estimated annual cost of operating and maintaining each facility and piece of major equipment involved.

The required adoption of the Capital Improvement Program by City Council resolution does not constitute an authorization to spend or borrow funds for any of the capital items contained therein. Actual capital spending or borrowing on capital improvements for a given fiscal year must be proposed by the Mayor to the City Council via appropriation or borrowing requests. The Capital Improvement Program provides a five-year roadmap of the City of Northampton's capital improvement needs and ability to fund them that is updated annually to inform ongoing capital budget spending and borrowing decisions.

Definition of Capital Improvements

A capital improvement is a physical public improvement involving a facility, parcel of land, or piece of major equipment, with an estimated useful life of five (5) years or more, and a cost of \$10,000 or more.

Among the items properly classified as capital improvements are:

New public buildings, or additions to existing buildings, including land acquisition costs and equipment needed to furnish the new building or addition for the first time;

Major alterations, renovations, or improvements to existing buildings that extend the useful life of the existing buildings by ten (10) years;

Land acquisition and/or improvement, unrelated to a public building, but necessary for conservation or park and recreation purposes;

Major equipment acquisition, replacement or refurbishment, including information technology hardware and software;

New construction or major improvements to City physical infrastructure, including streets, sidewalks, stormwater drains, the water distribution system, and the sanitary sewer system. Infrastructure improvements must extend the useful life of the infrastructure by at least ten (10) years to be appropriately classified as a capital improvement;

A feasibility study or engineering design services which are ancillary to a future capital improvement project.

The Capital Improvement Program Process

The Capital Improvement Program is reviewed and updated annually by the Mayor in consultation with the Finance Director and an ad-hoc Capital Improvement Program Committee.

The Mayor appoints a five-member ad-hoc Capital Improvement Program Committee that includes one member of the City Council, one member of the School Committee and three citizens appointed by the Mayor. The Finance Director staffs the Committee. Each year the Mayor provides Department Heads an opportunity to submit requests for Capital Improvement Program funding. These requests are then presented to the Capital Improvement Program Committee by Department Heads in a series of meetings. Following the presentations, the Capital Improvement Program Committee ranks each project submission as high, medium or low priority.

The project rankings of the Capital Improvement Program Committee are submitted to the Mayor no later than January 1st of each year. The Mayor uses those ranking recommendations to develop a final, 5-year program based on the City of Northampton's projected ability to finance the needed capital improvements.

Guidelines for Funding the Capital Improvement Program

The following guidelines have been developed by the City to guide the funding plan for the Capital Improvement Program and to schedule the required long-term debt for projects recommended for bonding.

- The City will provide sufficient funding for adequate maintenance and orderly replacement of Capital Improvement Program and equipment.
- All assets will be maintained at a level that protects capital investment and minimizes future maintenance and replacement costs.
- All equipment replacement and maintenance needs for the next 5 years will be projected and the projection will be updated each year. A maintenance and replacement schedule based on this projection will be developed and followed.
- Premiums and surplus proceeds from the issuance of long-term debt will be used in accordance with MGL c. 44 sec 20 as amended by the Municipal Modernization Act passed in 2016. Premiums received on bonds will be used to pay project and issuance costs and to reduce the amount of the borrowing authorization. Surplus proceeds will be used in accordance with MGL c. 44 sec. 20.
- Long-term borrowing will be confined to capital improvements too large to be financed from current revenues and reserves.
- Bonds will be paid back within a period not to exceed the expected useful life of the capital project. The term and amounts of the bonds will not exceed statutory limits outlined in Massachusetts General Laws.

- Before bonded long-term debt is issued, the impact of debt service on total annual operating costs will be analyzed.

Capital projects may increase future expenses, decrease future expenses, or may be cost-neutral. The funding of capital projects may fall within available revenues (taxes or fees) or new revenue sources (debt or capital exclusions). It is important to project the impact that the proposed capital project has on the operating budget so that operating budget funding sources can also be identified or new funding sources recommended.

- Where possible, special assessments, revenues, or other self-supporting bonds will be used instead of general obligation bonds.

When specific benefits accrue to property owner(s) (i.e. sidewalks, sewer extensions), betterments may be assessed in accordance with state statutes and local policies. This funding source will contribute all or a portion of the costs associated with a capital project. Water, sewer, solid waste, and parking system capital needs will be financed from revenues generated from those enterprise funds even though they are technically still considered general obligation bonds.

- Good communication with bond rating agencies will be maintained, and a policy of full disclosure on every financial report and bond prospectus will be followed. Debt service and other capital investments will be managed in ways to maintain or enhance the City's credit rating.
- Overall net direct debt will not exceed 10% of assessed valuation (credit industry benchmark).

Net direct debt is direct debt minus self-supporting debt (debt that the City has pledged to repay from a source separate from its general tax revenues, such as water and sewer utility fees and charges). An increase in net direct bonded debt as a percentage of assessed valuation can mean that the City's ability to repay is diminishing. Long-term debt dependent on other revenues, such as water, sewer, solid waste, and parking system debt, should be calculated as a percentage of the revenue sources on which it depends. In FY18 net direct debt for the General Fund as a percentage of assessed valuation is 1.6%.

- Total General Fund general obligation debt service and capital spending (including debt exclusion and capital exclusion overrides) will not exceed 10% of General Fund operating revenues.

The credit rating agencies, such as Standard and Poor's consider debt service on net direct debt (i.e. non-self-supporting) exceeding 20% of net operating revenues as a potential problem. Dramatic increases in debt service can also indicate potential problems unless revenue sources increase to keep pace with these additions to fixed costs. The 10% benchmark provides a policy to apply to new projects and the growth of revenues to finance such projects. In FY18 net direct debt as a percentage of General fund operating revenues is 5.8%.

- Levy-supported General Fund general obligation debt service and capital spending (exclusive of dedicated revenue sources such as debt exclusion and capital exclusion overrides, state reimbursements, parking system receipts, etc.) will move to a goal of 5% of net General Fund operating revenues.

In FY 2002, levy-supported general obligation debt service and capital spending was 1.6% of net General Fund operating revenues. In FY18, levy-supported general obligation debt service is 3.5% of general fund revenues and combined with cash capital spending of another \$312,500, the levy

supported debt and capital spending was 3.8%. The goal of increasing the City's annual capital spending and levy-supported debt to a minimum of 5% of net operating revenues is being pursued over a multi-year period.

- The City will attempt to maintain a long-term debt schedule so that at least 50% of outstanding principal will be paid within 10 years.

Debt service costs include principal and interest payments. Debt service costs are also a significant portion of fixed costs. A reasonable maturity schedule not only reduces interest costs, but recognizes that capital needs will continue to be identified and recommended. Credit rating bureaus review these maturity schedules and future capital needs. By the end of FY2027, the city will have retired 88% of current outstanding principal. This percentage also includes the issuance of additional bonds planned for in the future.

Funding Sources

The Capital Improvement Program identifies the following sources to fund proposed capital improvement projects in each of the five fiscal years:

Cash Capital – Cash Capital refers to those expenditures that are paid for in their entirety in the fiscal year directly from the general fund. Each year the Mayor's budget will include a budgeted amount to fund capital projects as part of the budget. Generally cash will be used for smaller projects that don't merit bonding. In FY18 the amount budgeted to fund capital projects was \$312,500. In FY19, the target amount for cash capital funding is \$315,000. The five year plan anticipates increasing this amount by \$15,000 in each subsequent year.

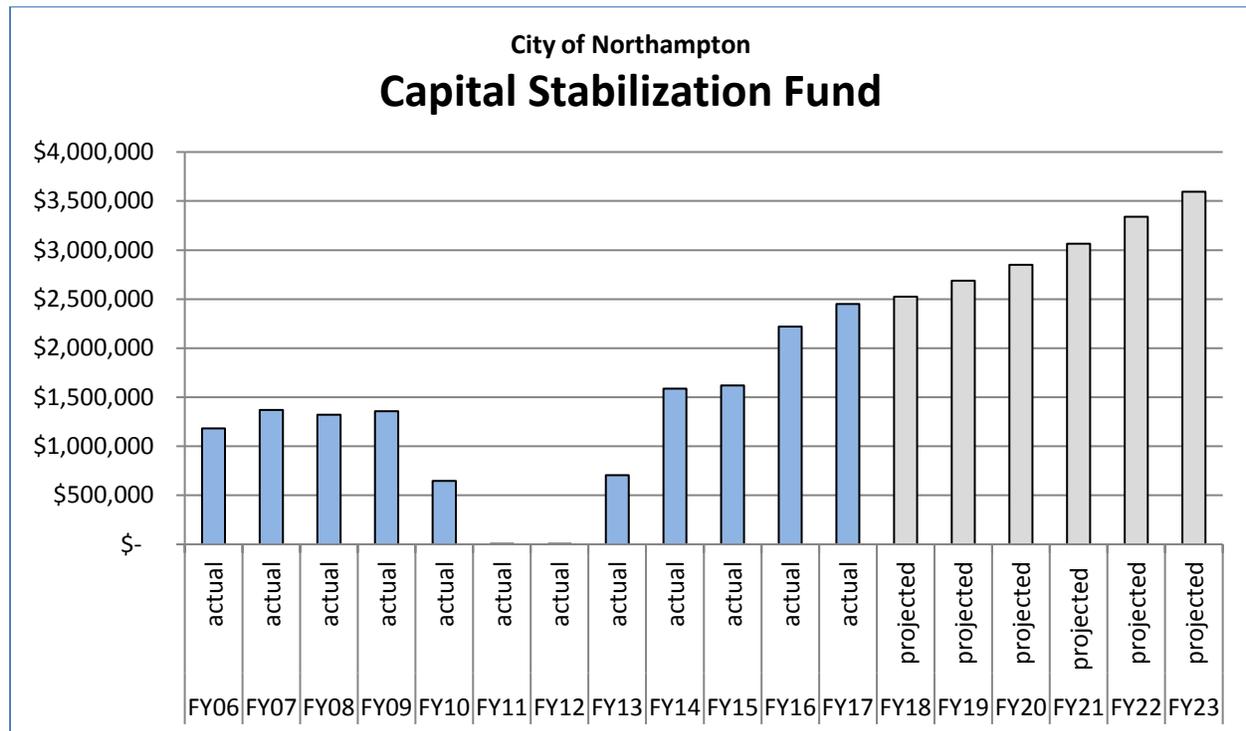
Free Cash – Each year the Mayor will propose a certain amount of funding for projects from the city's undesignated fund balance or "free cash". Since free cash will vary from year to year, the amount set aside for the capital projects will be determined soon after free cash is certified, which is generally in December each year, concurrent with setting the tax rate. The amount of free cash to be used for capital projects will depend on: 1) the amount of certified free cash 2) the amount estimated to be needed for current year operating deficits such as snow and ice, etc. and 3) the amount to be added to the city's stabilization funds.

The target amount of free cash recommended for the FY19 Capital Improvement Program is \$1,486,024. The five year plan proposes using approximately \$745,000 - \$1,185,700 in each subsequent year. It should be noted that since free cash will be certified each year prior to submission of the Capital Improvement Program, the proposed free cash amount will be updated to reflect the amount of certified free cash deemed reasonably available to fund capital improvements. Therefore, proposed free cash used for capital improvements will fluctuate based on availability.

Capital Stabilization – The City has a Capital Stabilization Fund into which funds are appropriated for future capital projects. Funds are appropriated into the Capital Stabilization Fund via an annual appropriation from the operating budget and from appropriations from Free Cash. The Capital Stabilization Fund has been growing ever since reaching a low-point in FY11 when the balance was \$4,684.

Today the Capital Stabilization Fund has a balance of \$3.3 million. It is the city's desire to keep a balance in this fund equivalent to 2.7% of the city's General Fund budget in FY19, with the goal of increasing this target percentage by 0.1% each year until reaching a reserve of 5% of the General Fund Operating Budget in the Capital Stabilization Fund. Each year funds in excess of the target threshold will be appropriated from the Capital Stabilization Fund to fund capital needs. In FY19, it is planned to use \$800,000 from the Capital Stabilization Fund for projects. This will leave \$2.5 million which is 2.72% of the city's General

Fund Budget as a reserve. The chart below shows the history of the Capital Stabilization Account as well as projections for the next five years.



The following chart shows the projection for the Capital Stabilization Fund from FY18 to FY23.

CITY OF NORTHAMPTON GENERAL FUND CAPITAL STABILIZATION BALANCE PROJECTION							
	Actual FY2017	Estimated FY2018	Estimated FY2019	Estimated FY2020	Estimated FY2021	Estimated FY2022	Estimated FY2023
Activity in Capital Stabilization:							
5000-340616							
Capital Stabilization Starting Balance:	2,219,038	2,450,490	2,525,142	2,688,026	2,850,055	3,065,055	3,340,055
Contribution from Operating Budget:	347,288	364,652	382,884	402,029	450,000	475,000	500,000
Free Cash Appropriation - Actual or Estimated:	700,000	500,000	300,000	300,000	300,000	300,000	300,000
Interest Income	12,347	10,000					
Academy of Music Steps 9/2016	(17,045)						
DPW Sander Additional Funds 9/2016	(41,137)						
Use Toward Capital Plan for NEXT Fiscal Year	(770,000)	(800,000)	(520,000)	(540,000)	(535,000)	(500,000)	(545,000)
Total Projected Balance in Stabilization	2,450,490	2,525,142	2,688,026	2,850,055	3,065,055	3,340,055	3,595,055
Budgeted/Estimated General Fund Budget	90,154,273	92,969,797	95,294,042	97,676,393	100,118,303	102,621,260	105,186,792
Capital Stabilization as % of Budget:	2.72%	2.72%	2.82%	2.92%	3.06%	3.25%	3.42%
Desired % to keep as Reserve:	2.60%	2.70%	2.80%	2.90%	3.00%	3.10%	3.20%
Amount to keep as Reserve:	2,344,011	2,510,185	2,668,233	2,832,615	3,003,549	3,181,259	3,365,977
Additional Funds Available for Appropriation:		14,958	19,793	17,440	61,506	158,796	229,078

Parking Receipts Reserved for Appropriation – Capital improvements needed for the maintenance of the city’s parking systems will be funded from the Parking Receipts Reserved for Appropriation Account. Each year, the city develops a budget for parking maintenance and enforcement. Excess parking revenue is generated when parking meter, lot and garage revenues exceed expenditures for maintenance and

enforcement and that excess revenue is deposited into the Parking Receipts Reserved for Appropriation Account to fund the city’s parking mission. The FY19 Capital Plan proposes using \$132,000 from the Parking RRA Account. The following chart shows the projection for the Parking Receipts Reserved for Appropriation Account from FY18 to FY23.

CITY OF NORTHAMPTON RECEIPTS RESERVED FOR PARKING BALANCE PROJECTION							
Activity in Capital Stabilization:	Actual FY2017	Estimated FY2018	Estimated FY2019	Estimated FY2020	Estimated FY2021	Estimated FY2022	Estimated FY2023
RRA Parking Starting Balance	815,949	675,369	668,369	749,369	780,369	821,369	921,369
Estimated Receipts Received Above Budgeted	233,660	125,000	125,000	125,000	125,000	125,000	
Other Revenue from completed projects or turnbacks	142,760						
Appropriations from RRA during fiscal year							
Use Toward Capital Plan for NEXT Fiscal Year	(517,000)	(132,000)	(44,000)	(94,000)	(84,000)	(25,000)	
Total Projected Balance in RRA at fiscal year end	675,369	668,369	749,369	780,369	821,369	921,369	

Revolving Funds – The City maintains several revolving funds including several 53E ½ revolving funds such as the Fire Department Hazmat Fund, Senior Services Food Service Revolving Fund and Senior Service Transportation Revolving Fund, Building Rental for James House and Energy and Sustainability. There are also several school related revolving funds for School Lunch, Building Maintenance, School Transportation, and Athletics. At times it is appropriate for capital funding to come from these various revolving funds, as long as the funded capital item is integral to the purpose of the activity for which the revolving fund is authorized.

Community Preservation Act (CPA) Funding – CPA funds can be the source of funding for some capital items. The CPA has funded improvements to Forbes Library, renovations of city buildings and assets and the acquisition and development of new playing fields. CPA funding is recommended by the CPA Committee to the City Council through a separate process and therefore while not officially part of the City Capital Improvement Program, departments are often referred to seek CPA funding when the project fits CPA criteria.

Reprogrammed Funds – When there are funds remaining from completed Capital Projects these funds are identified for reprogramming for other capital projects. The Capital Improvement Program identifies these residual balances and recommends reprogramming the remaining funds by obtaining City Council approval. Generally, the goal is to reprogram these funds for another capital need within the same department.

Other – Refers to those expenditures that are financed from sources that do not arise directly from city’s tax levy. These sources may be state and federal grants such as C.90 funds for road work, private donations, trust funds, sale of land, and other sources. This Capital Improvement Program also includes revenue derived from the Mayor’s Payment in Lieu of Taxes (PILOT) Program.

Enterprise Funds – Capital needs for the City’s water, sewer, stormwater and solid waste services follow the same Capital Improvement Program process as General Fund projects. The Department of Public Works budgets annually for many high cost recurring capital needs within the respective operating budgets for each Enterprise Fund. Therefore, there are no financial orders relative to funding projects paid out of the operating budget as the authorization to spend derives from passage of the annual budget. However, financial orders are brought to City Council for enterprise fund projects that require borrowing or are proposed to be funded from the various enterprise fund stabilization funds – one for each enterprise fund.

CITY OF NORTHAMPTON ENTERPRISE STABILIZATION FUND PROJECTIONS						
	Actual FY2017	Estimated FY2018	Estimated FY2019	Estimated FY2020	Estimated FY2021	Estimated FY2022
Water Stabilization						
Starting Balance	2,965,192	2,275,480	2,164,663	2,564,663	2,964,663	3,364,663
Transfer from Retained Earnings	485,000	700,000	400,000	400,000	400,000	400,000
Interest Earned and Gains/Losses	17,911	5,863				
Appropriated for Operating Budget	(676,523)	(816,680)				
Appropriated for Capital Projects	(516,100)	-	-	-	-	-
Total Projected Balance at fiscal year end	2,275,480	2,164,663	2,564,663	2,964,663	3,364,663	3,764,663
Sewer Stabilization						
Starting Balance	5,815,931	7,613,033	9,335,220	10,035,220	10,735,220	11,435,220
Transfer from Retained Earnings	775,000	650,000	700,000	700,000	700,000	700,000
Appropriation to Stabilization from Operating Budget	985,355	1,049,888				
Interest Earned and Gains/Losses	36,747	22,298				
Appropriated for Operating Budget						
Appropriated for Capital Projects			TBD	TBD	TBD	TBD
Total Projected Balance at fiscal year end	7,613,033	9,335,220	10,035,220	10,735,220	11,435,220	12,135,220
Stormwater Stabilization						
Starting Balance	-	249,827	325,188	325,188	525,188	725,188
Transfer from Retained Earnings	250,000	-		200,000	200,000	200,000
Appropriation to Stabilization from Operating Budget		75,361				
Interest Earned and Gains/Losses	(173)					
Appropriated for Operating Budget						
Appropriated for Capital Projects		TBD	TBD	TBD	TBD	TBD
Total Projected Balance at fiscal year end	249,827	325,188	325,188	525,188	725,188	925,188
Solid Waste Stabilization						
Starting Balance	-	1,498,961	1,498,961	1,498,961	1,498,961	1,498,961
Transfer from Retained Earnings	1,500,000					
Appropriation to Stabilization from Operating Budget						
Interest Earned and Gains/Losses	(1,039)					
Appropriated for Operating Budget						
Appropriated for Capital Projects		TBD	TBD	TBD	TBD	TBD
Total Projected Balance at fiscal year end	1,498,961	1,498,961	1,498,961	1,498,961	1,498,961	1,498,961

Bonds/Borrowing – Bonds refer to those expenditures that are financed through borrowing. Payments to retire the bonds are required over an extended period of time, usually five to twenty years. These extended payments, which include both principal and interest, are typically referred to as “debt service”. Bonding is generally reserved for major expenditures such as the construction of a new facility or the purchase of major equipment such as trucks for the DPW or Fire Apparatus. Major purchases such as these would be difficult to incorporate into the budget as cash expenditures and therefore funding is spread out over several years.

The Capital Improvement Program strives to maintain a prudent balance between funding by cash and funding by borrowing. The debt schedule is carefully planned to maximize opportunities for larger capital projects to be funded in a timely manner, without causing large spikes in debt service payments that could have a negative impact on the budget. Both borrowing within the levy limit and borrowing with voter

approval of a debt exclusion override, thereby exempting the debt from the levy limit, are considered depending on the project. Typically debt exclusions are used for the construction of large facilities. The City follows a set of guidelines and thresholds related to the amount and duration of debt the city will incur, which were detailed earlier in this plan.

It should be recognized that while the Capital Improvement Program funds new projects, the City has significant prior approved debt-service that must be paid each year. This debt-service should be recognized in the context of the city’s commitment to maintaining its facilities, infrastructure and equipment. Existing debt-service is a significant component of the annual budget and therefore should be acknowledged in the Capital Improvement Program. The following chart details the projected debt service for the General Fund and Enterprise Fund for the next five years. Total General Fund debt service in FY19 is projected at \$6.6 million. Total Enterprise Fund debt service is projected at \$ 2.7 million in FY19.

CITY OF NORTHAMPTON					
PROJECTED DEBT SERVICE FOR CAPITAL NEEDS					
<small>includes new debt service recommended in Capital Improvement Program</small>					
Fiscal Year	FY2019	FY2020	FY2021	FY2022	FY2023
GENERAL FUND					
Debt Excluded	783,731	648,569	633,442	620,476	609,671
Levy Limit	4,027,217	4,236,477	4,510,877	4,764,476	4,772,371
MSBA Reimbursement	1,108,358	1,061,797	-	-	-
Other Funding Sources (inc CPA)	677,828	653,781	631,058	346,474	330,479
TOTAL DEBT SERVICE PROJECTION IN GENERAL FUND	6,597,134	6,600,624	5,775,377	5,731,426	5,712,521
ENTERPRISE FUNDS					
Water	2,200,406	2,486,088	2,704,162	3,128,747	3,514,622
Sewer	454,282	1,321,232	1,123,907	1,278,658	2,175,957
Solid Waste		-	-	-	-
Stormwater	56,350	55,250	49,150	38,150	37,450
TOTAL DEBT SERVICE PROJECTION IN ENTERPRISE FUNDS	2,711,038	3,862,570	3,877,219	4,445,555	5,728,029
ALL DEBT SERVICE	9,308,172	10,463,194	9,652,596	10,176,981	11,440,550

School Projects: With regard to projects funded for the city’s two school districts, when a project receives funding, the city will make a distinction between projects funded as “extraordinary maintenance” and projects funded as “capital”. This distinction is necessary as projects that meet the criteria of “extraordinary maintenance”, as defined by the Department of Elementary and Secondary Education (DESE), are included in the calculation of Net School Spending (NSS). The definition of “extraordinary maintenance” by DESE is as follows:

"Extraordinary Maintenance means the periodic servicing, repair or reconditioning of school buildings, grounds or equipment to extend the useful life of an existing asset, provided that the total cost per project per school of an extraordinary maintenance project shall not exceed \$150,000."

FY2019 - FY2023 Capital Improvement Program Projects and Funding Sources

Council Orders to fund projects for the FY19 Capital Plan will be presented following the City Council’s hearing on the Capital Improvement Program.

The Capital Improvement Program contains a total of 113 projects totaling \$80,648,474 programmed over the next five fiscal years. Within Central Services are many projects related to building improvements in other departments such as Fire Rescue and Forbes Library. Likewise within IT Services are many projects that relate to technology across many departments. Consolidating oversight of projects under Central Services or IT Services results in improved project management and procurement.

A list of the proposed projects for the next five years is included as Appendix A. Appendix B details the specific funding source for each approved project by fiscal year. Appendix C contains Departmental Project Request Forms with more detailed information on each requested project. The charts below summarize the number of projects by department and the projected funding sources for the FY2019-FY2023 CIP.

City of Northampton Capital Plan FY2019-FY2023		
City Departments	Projects	Total for Five Year Plan
Building	1	\$ 28,000.00
City Clerk	1	\$ 84,724.00
Central Services - City	8	\$ 980,000.00
Central Services - Forbes	1	\$ 15,000.00
Central Services - Academy of Music	3	\$ 215,000.00
Central Services - Parking	6	\$ 321,000.00
Central Services - Schools	18	\$ 5,630,000.00
Parking Enforcement	1	\$ 58,000.00
Public Safety Dispatch	1	\$ 750,000.00
Fire Rescue	14	\$ 1,358,250.00
Information Technology Services	11	\$ 1,307,900.00
Northampton Public Schools - Non-Facility Projects	2	\$ 382,000.00
Planning and Sustainability	4	\$ 455,000.00
Parks and Recreation	1	\$ 75,000.00
Police	2	\$ 266,500.00
Smith Vocational and Agricultural High School	4	\$ 975,000.00
Sub-Total City Departments:	78	\$ 12,901,374.00

City of Northampton Capital Plan FY2019-FY2023		
Department of Public Works	Projects	Total for Five Year Plan
General Fund	10	\$ 13,617,950.00
Water Enterprise Fund	14	\$ 23,562,200.00
Sewer Enterprise Fund	6	\$ 25,795,200.00
Stormwater and Flood Control Enterprise Fund	4	\$ 4,718,750.00
Solid Waste Enterprise Fund	1	\$ 53,000.00
Sub-Total Department of Public Works	35	\$ 67,747,100.00
Total All Departments	113	\$ 80,648,474.00

CITY OF NORTHAMPTON						
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM						
COVERING FISCAL YEARS 2019-2023						
PROJECTED FUNDING SOURCES						
Funding Sources	FIVE YEAR PLAN					TOTALS
	FY2019	FY2020	FY2021	FY2022	FY2023	
General Fund Cash Capital	314,487	329,750	337,250	350,500	388,250	1,720,237
Free Cash	1,486,024	1,185,700	889,800	745,000	750,000	5,056,524
Regular Stabilization	-	-	-	-	-	-
Capital Stabilization	800,000	520,000	540,000	535,000	500,000	2,895,000
General Fund Bonds/Borrowing	2,899,200	2,950,000	4,370,000	3,590,000	1,814,000	15,623,200
						-
Receipts Reserved for Parking	132,000	44,000	94,000	84,000	25,000	379,000
Receipts Reserved Sale of Land	-	-	-	-	-	-
Revolving Funds	-	55,000	55,000	55,000	-	165,000
Trust Funds	75,000	50,000	50,000	50,000	50,000	275,000
Reprogrammed/Other Funds	295,363	110,000	-	-	-	405,363
						-
Water Enterprise Fund Operating Budget	1,726,500	1,395,700	1,461,000	1,418,500	1,360,500	7,362,200
Water Enterprise Stabilization	-	-	-	-	-	-
Water Enterprise Fund Borrowing	-	3,200,000	3,200,000	5,000,000	4,800,000	16,200,000
Sewer Enterprise Fund Operating Budget	1,251,000	741,700	653,500	578,000	571,000	3,795,200
Sewer Enterprise Stabilization	-	-	-	-	-	-
Sewer Enterprise Fund Borrowing	-	10,000,000	-	2,000,000	10,000,000	22,000,000
Stormwater Enterprise Fund Operating Budget	925,000	982,750	950,000	945,000	916,000	4,718,750
Stormwater Enterprise Stabilization					-	-
Stormwater Enterprise Borrowing					-	-
Solid Waste Enterprise Fund Operating Budget	53,000	-		-		53,000
						-
						-
Total:	9,957,574	21,564,600	12,600,550	15,351,000	21,174,750	80,648,474

APPENDIX A

CAPITAL IMPROVEMENT PROGRAM - FY19 - FY23

Department	Dept. Priority	Project Title	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	TOTAL
Building	Medium	Replace 2013 Inspection Vehicle Small AWD Hybrid SUV					\$ 28,000	\$ 28,000
Building		Total Building					\$ 28,000	\$ 28,000
Central Services - City	High	Academy of Music: Dressing Room Upgrades	\$ 10,000					\$ 10,000
Central Services - City	Medium	City Hall: Foundation Repairs				\$ 100,000		\$ 100,000
Central Services - City	High	Fire Stations (2): Upgrade Apparatus Exhaust Systems	\$ 125,000					\$ 125,000
Central Services - City	High	Main Fire: Energy Management Systems Upgrades	\$ 80,000	\$ 50,000				\$ 130,000
Central Services - City	High	Main Fire: Parking Lot Expansion and Solar Resiliency Project	\$ 60,000	\$ 300,000				\$ 360,000
Central Services - City	High	Memorial Hall: Interior Painting	\$ 50,000					\$ 50,000
Central Services - City	Medium	Memorial Hall: Replace Asphalt Roof			\$ 125,000			\$ 125,000
Central Services - City	High	Academy of Music: Stage Door Access	\$ 70,000	\$ 50,000				\$ 120,000
Central Services - City	High	Academy of Music: Structural Foundation Repairs	\$ 85,000					\$ 85,000
Central Services - City	Medium	Vehicle: Replace HVAC Tech's Van		\$ 45,000				\$ 45,000
Central Services - City	Medium	City Maintenance Vehicle			\$ 45,000			\$ 45,000
Central Services - City	High	Forbes Library: Replace Tractor	\$ 15,000					\$ 15,000
Central Services - City		Total Central Services - City	\$ 495,000.0	\$ 445,000.0	\$ 170,000.0	\$ 100,000.0	\$ -	\$ 1,210,000
Central Services - NPS	High	J.F.K. Energy Management Systems Upgrades	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00		\$ 400,000.00
Central Services - NPS	Medium	Ryan Road Energy Management Systems Upgrades					\$ 100,000.00	\$ 100,000.00
Central Services - NPS	Medium	Leeds School Energy Management Systems Upgrades					\$ 100,000.00	\$ 100,000.00
Central Services - NPS	Medium	Jackson Street Energy Management Systems Upgrades				\$ 100,000.00		\$ 100,000.00
Central Services - NPS	Critical	Jackson Street Cafeteria Heating Repairs	\$ 150,000.00					\$ 150,000.00
Central Services - NPS	High	District Wide Security Access Upgrades	\$ 30,000.00					\$ 30,000.00
Central Services - NPS	High	Grounds Division: New Truck	\$ 65,000.00					\$ 65,000.00
Central Services - NPS	High	Leeds Paving and Drainage Upgrades	\$ 140,000.00	\$ 140,000.00				\$ 280,000.00
Central Services - NPS	High	J.F.K. Exterior Façade Repairs	\$ 45,000.00	\$ 45,000.00				\$ 90,000.00
Central Services - NPS	Medium	J.F.K. Pool Tile Repairs		\$ 50,000.00				\$ 50,000.00
Central Services - NPS	High	Ryan Road Bathroom Upgrades	\$ 150,000.00					\$ 150,000.00
Central Services - NPS	Medium	Ryan Road Sidewalk-Curbing Repairs			\$ 80,000.00			\$ 80,000.00
Central Services - NPS	High	High School Track Resurfacing			\$ 200,000.00			\$ 200,000.00
Central Services - NPS	Medium	J.F.K. Roof Replacement			\$ 1,750,000.00	\$ 1,750,000.00		\$ 3,500,000.00
Central Services - NPS	Medium	J.F.K. Window Repairs				\$ 20,000.00	\$ 60,000.00	\$ 80,000.00
Central Services - NPS	Medium	Leeds Flooring			\$ 75,000.00			\$ 75,000.00
Central Services - NPS	High	District Wide Electrical Upgrades For Air Conditioning	\$ 75,000.00	\$ 60,000.00				\$ 135,000.00
Central Services - NPS	Medium	Maintenance Division: New Vehicle		\$ 45,000.00				\$ 45,000.00
Central Services - NPS		Total Central Services - NPS	\$ 755,000.00	\$ 440,000.00	\$ 2,205,000.00	\$ 1,970,000.00	\$ 260,000.00	\$ 5,630,000.00
Central Services - Parking	High	Install Parkeon Strada Multi- Space Meters	\$ 44,000	\$ 44,000				\$ 88,000
Central Services - Parking	Medium	E.J. Gare Garage Repairs			\$ 25,000		\$ 25,000	\$ 50,000
Central Services - Parking	Medium	Equipment: Bobcat Skid-Steer Loader			\$ 40,000			\$ 40,000
Central Services - Parking	High	Bobcat Utility Vehicle	\$ 60,000					\$ 60,000
Central Services - Parking	Medium	Vehicle: Replace Truck				\$ 55,000		\$ 55,000
Central Services - Parking	High	Equipment: Folding V-Plow	\$ 28,000					\$ 28,000
Central Services - Parking		Total Central Services - Parking	\$ 132,000	\$ 44,000	\$ 65,000	\$ 55,000	\$ 25,000	\$ 321,000

City Clerk	High	Election Equipment Replacement	\$ 84,724					\$ 84,724
City Clerk		Total City Clerk	\$ 84,724	\$ -				\$ 84,724
Dispatch	High	Radio Hardware	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000
Dispatch		Total Dispatch	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000
Fire Rescue	Critical	Turnout Gear Replacment	\$ 195,000.00					\$ 195,000.00
Fire Rescue	Critical	Refurbish Ladder 1	\$ 62,500.00					\$ 62,500.00
Fire Rescue	Planning	Staff Vehicle	\$ 40,250.00					\$ 40,250.00
Fire Rescue	Planning	EMS Supply Management	\$ 17,000.00					\$ 17,000.00
Fire Rescue	Safety	Vehicle Lift for Shop		\$ 45,000.00				\$ 45,000.00
Fire Rescue	Safety	Replace 1997 Utility/Brush Unit		\$ 70,250.00				\$ 70,250.00
Fire Rescue	Planning	Staff Vehicle		\$ 40,250.00				\$ 40,250.00
Fire Rescue	Planning	Replace 1999 Engine			\$ 595,000.00			\$ 595,000.00
Fire Rescue	Planning	Replace Mechanic /Plow Vehicle			\$ 62,250.00			\$ 62,250.00
Fire Rescue	Planning	Replace 1998 Quad with UTV				\$ 20,500.00		\$ 20,500.00
Fire Rescue	Safety	New SCBA Filling Station				\$ 75,000.00		\$ 75,000.00
Fire Rescue	Planning	Staff Vehicle					\$ 40,250.00	\$ 40,250.00
Fire Rescue	Safety	SCBA Replacment					\$ 95,000.00	\$ 95,000.00
Fire Rescue		Total Fire Rescue	\$ 314,750.00	\$ 155,500.00	\$ 657,250.00	\$ 95,500.00	\$ 135,250.00	\$ 1,358,250.00
ITS	High	Annual IT Equipment Replacement	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
ITS	Critical	UPS Battery Replacement (Police Station)	\$ 15,000					\$ 15,000
ITS	Critical	WAN Switches Update - City	\$ 40,200	\$ 25,800	\$ 25,800			\$ 91,800
ITS	Critical	WAN Switches Update - NPS	\$ 35,300	\$ 20,900	\$ 20,900			\$ 77,100
ITS	Critical	WAN Switches Update - Public Safety	\$ 10,600	\$ 13,700	\$ -			\$ 24,300
ITS	High	NPS 1:1 ChromeBooks Project	\$ 175,000	\$ 152,900				\$ 327,900
ITS	High	Replace Video System at the Police Department	\$ 66,800					\$ 66,800
ITS	Medium	City Server System Replacement				\$ 150,000		\$ 150,000
ITS	Medium	NPD Server System Replacement			\$ 150,000			\$ 150,000
ITS	Medium	NPS Server System Replacement					\$ 120,000	\$ 120,000
ITS	Medium	UPS Systems Replacement				\$ 35,000		\$ 35,000
ITS		Total ITS	\$ 392,900	\$ 263,300	\$ 246,700	\$ 235,000	\$ 170,000	\$ 1,307,900
Public Schools	High	School Bus Replacement		\$ 110,000	\$ 120,000	\$ 125,000		\$ 355,000
Public Schools	High	Food Service Delivery Van	\$ 27,000					\$ 27,000
Public Schools		Total Public Schools	\$ 27,000	\$ 110,000	\$ 120,000	\$ 125,000		\$ 382,000
Parking Enforcement	High	Vehicle Replacement Plan			\$ 29,000	\$ 29,000		\$ 58,000
Parking Enforcement		Total Parking Enforcement			\$ 29,000	\$ 29,000		\$ 58,000
Planning and Sustainability	Critical	Fitzgerald Lake Dam Rehabilitation	\$ 45,000					\$ 45,000
Planning and Sustainability	High	Rail Trail Extension Designs					\$ 60,000	\$ 60,000
Planning and Sustainability	High	Retiring Tax Title	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000
Planning and Sustainability	High	Comprehensive Planning Implementation		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000
Planning and Sustainability		Total Planning and Sustainability	\$ 75,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 140,000	\$ 455,000
Police	High	Tactical Training and Equipment	\$ 75,000		\$ 75,000		\$ 75,000	\$ 225,000
Police	High	Animal Control Van	\$ 41,500					\$ 41,500
Police		Total Police	\$ 116,500		\$ 75,000		\$ 75,000	\$ 266,500

DPW Sewer Enterprise		DPW New Storage Facility	\$ 75,000					\$ 75,000
DPW Sewer Enterprise		Total DPW Sewer Enterprise	\$ 1,251,000	\$ 10,741,700	\$ 653,500	\$ 2,578,000	\$ 10,571,000	\$ 25,795,200
		TOTAL:	\$ 9,957,574	\$ 21,564,600	\$ 12,600,550	\$ 15,351,000	\$ 21,174,750	\$ 80,648,474

APPENDIX B

CITY OF NORTHAMPTON
FISCAL YEAR 2020 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE

Project Title	Mayor's Recommendation	General Fund		Stabilization		Borrowing		Enterprise Funds				Trust Funds	Revolving Funds	Receipt Reserved Funds		Other and Reprogrammed		Total
		Cash Capital \$325,000	Free Cash \$1,000,000	Regular Stabilization	Capital Stabilization \$520,000	Amount	Number of Years	Enterprise Fund Operating Budget	Enterprise Stabilization Funds	Enterprise Borrowing	Number of Years	Cemetery Perpetual Care	Revolving Funds	Sale of Land	Parking	Amount	Funds	
	\$ 21,564,600																	
Window Replacement Building A and B	\$ 260,000					\$ 260,000	10											\$ 260,000
Roof Replacement Building D	\$ 400,000					\$ 400,000	10											\$ 400,000
Student Activity Vehicle Replacements	\$ 150,000		\$ 150,000															\$ 150,000
Department of Public Works																		
General Fund:																		
Traffic Calming	\$ 10,000	\$ 10,000																\$ 10,000
Sidewalks	\$ 150,000		\$ 150,000															\$ 150,000
Traffic Signals	\$ 35,000	\$ 35,000																\$ 35,000
Street Resurfacing (not including C.90 funds)	\$ 1,500,000					\$ 1,500,000	5											\$ 1,500,000
Wood Waste Disposal	\$ 10,000	\$ 10,000																\$ 10,000
Vehicle Replacement	\$ 826,650		\$ 256,650		\$ 70,000	\$ 500,000	5											\$ 826,650
Clement Street Bridge	\$ 150,000					\$ 150,000	10											\$ 150,000
Cemetery Improvements	\$ 50,000											\$ 50,000						\$ 50,000
Water Enterprise:																		
Watershed Land Acquisition	\$ 200,000							\$ 200,000										\$ 200,000
Granular Activated Carbon Replacement	\$ 80,000							\$ 80,000										\$ 80,000
Water Line Replacement	\$ 575,000							\$ 575,000										\$ 575,000
Reservoir Construction	\$ 2,000,000									\$ 2,000,000								\$ 2,000,000
Radio Read Program	\$ 100,000							\$ 100,000										\$ 100,000
Meter Replacement Program	\$ 100,000							\$ 100,000										\$ 100,000
Hydrant Replacement Program	\$ 30,000							\$ 30,000										\$ 30,000
WTP Replace Control and Measuring Equipment	\$ 100,000							\$ 100,000										\$ 100,000
Water Distribution System Replace Equipment	\$ 75,000							\$ 75,000										\$ 75,000
Transmission Main Rehabilitation and Replacement	\$ 1,200,000									\$ 1,200,000								\$ 1,200,000
Vehicle Replacement	\$ 135,700							\$ 135,700										\$ 135,700
Sewer Enterprise:																		
Sewer Line Replacement	\$ 550,000							\$ 550,000										\$ 550,000
Wastewater Treatment Plant Improvements	\$ 10,000,000									\$ 10,000,000								\$ 10,000,000
WWTP Equipment Replacement	\$ 35,000							\$ 35,000										\$ 35,000
Vehicle Replacement	\$ 111,700							\$ 111,700										\$ 111,700
Sewer Distribution Equipment	\$ 45,000							\$ 45,000										\$ 45,000
Stormwater Enterprise:																		
Storm Line Replacement	\$ 610,000							\$ 610,000										\$ 610,000
Levee Assessment and Repair	\$ 250,000							\$ 250,000										\$ 250,000
Vehicle Replacement	\$ 122,750							\$ 122,750										\$ 122,750

**CITY OF NORTHAMPTON
FISCAL YEAR 2023 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE**

CITY OF NORTHAMPTON FISCAL YEAR 2023 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE																			
\$ 21,174,750																			
Project Title	Mayor's Recommendation	General Fund		Stabilization		General Fund Borrowing		Enterprise Funds				Trust Funds	Revolving Funds	Receipt Reserved Funds		Other and Reprogrammed		Total	
		Cash Capital \$370,000	Free Cash \$750,000	Regular Stabilization	Capital Stabilization \$500,000	Amount	Number of Years	Enterprise Fund Operating Budget	Enterprise Stabilization Funds	Enterprise Borrowing	Number of Years	Cemetery Perpetual Care	Revolving Funds	Sale of Land	Parking	Amount	Source of Funds		
	\$ 21,174,750	\$ 388,250	\$ 750,000	\$ -	\$ 500,000	\$ 1,814,000		\$ 2,847,500	\$ -	\$ 14,800,000	0	\$ 50,000	\$ -	\$ -	\$ 25,000	\$ -		\$ 21,174,750	\$ -
Building Inspections																			
Inspection Vehicle	\$ 28,000	\$ 28,000																\$ 28,000	\$ -
Parking Maintenance																			
E.J. Gare Parking Garage Maintenance	\$ 25,000														\$ 25,000			\$ 25,000	\$ -
Central Services																			
Planning and Sustainability																			
Tax Title for City Priority Purchases	\$ 30,000	\$ 30,000																\$ 30,000	\$ -
Rail Trail Extension Designs	\$ 60,000	\$ 60,000																\$ 60,000	\$ -
Comprehensive Planning Implementation	\$ 50,000	\$ 50,000																\$ 50,000	\$ -
Dispatch																			
Radio Hardware	\$ 150,000			\$ 150,000														\$ 150,000	\$ -
Information Technology Services																			
IT - Replacement of Equipment	\$ 50,000	\$ 50,000																\$ 50,000	\$ -
NPS Server System Replacement	\$ 120,000		\$ 120,000															\$ 120,000	\$ -
Fire Rescue																			
SCBA Replacement	\$ 95,000		\$ 95,000															\$ 95,000	\$ -
Staff Vehicle	\$ 40,250	\$ 40,250																\$ 40,250	\$ -
Police Department																			
Replace Tactical Equipment	\$ 75,000		\$ 75,000															\$ 75,000	\$ -
Parks and Recreation																			
Improvements at Playing Fields	\$ 15,000	\$ 15,000																\$ 15,000	\$ -
Northampton Public Schools																			
Leeds Energy Management System Upgrades	\$ 100,000		\$ 100,000															\$ 100,000	\$ -
Ryan Road Energy Management System Upgrades	\$ 100,000		\$ 100,000															\$ 100,000	\$ -
JFK Window Repairs	\$ 60,000	\$ 60,000																\$ 60,000	\$ -
Department of Public Works																			
General Fund:																			
Traffic Calming	\$ 10,000	\$ 10,000																\$ 10,000	\$ -
Sidewalks	\$ 200,000			\$ 200,000														\$ 200,000	\$ -
Traffic Signals	\$ 35,000	\$ 35,000																\$ 35,000	\$ -
Street Resurfacing (not including C.90 funds)	\$ 1,500,000				\$ 1,500,000	5												\$ 1,500,000	\$ -
Wood Waste Disposal	\$ 10,000	\$ 10,000																\$ 10,000	\$ -
Vehicle Replacement	\$ 724,000		\$ 260,000	\$ 150,000	\$ 314,000	5												\$ 724,000	\$ -
Cemetery Improvements	\$ 50,000										\$ 50,000							\$ 50,000	\$ -
Water Enterprise:																			
Watershed Land Acquisition	\$ 200,000							\$ 200,000										\$ 200,000	\$ -
Granular Activated Carbon Replacement	\$ 80,000							\$ 80,000										\$ 80,000	\$ -
Water Line Replacement	\$ 575,000							\$ 575,000										\$ 575,000	\$ -
Reservoir Construction	\$ 3,000,000								\$ 3,000,000									\$ 3,000,000	\$ -

Radio Read Program	\$ 100,000				\$ 100,000					\$ 100,000	\$ -
Meter Replacement Program	\$ 100,000				\$ 100,000					\$ 100,000	\$ -
Hydrant Replacement Program	\$ 30,000				\$ 30,000					\$ 30,000	\$ -
WTP Replace Control and Measuring Equipment	\$ 100,000				\$ 100,000					\$ 100,000	\$ -
Water Distribution System Replace Equipment	\$ 75,000				\$ 75,000					\$ 75,000	\$ -
Vehicle Replacement	\$ 100,500				\$ 100,500					\$ 100,500	\$ -
Transmission Main Rehabilitation and Replacement	\$ 1,800,000					\$ 1,800,000				\$ 1,800,000	\$ -
										\$ -	\$ -
										\$ -	\$ -
Sewer Enterprise:											
Sewer Line Replacement	\$ 400,000				\$ 400,000					\$ 400,000	\$ -
Wastewater Treatment Plant Improvements	\$ 10,000,000					\$ 10,000,000				\$ 10,000,000	\$ -
WWTP Equipment Replacement	\$ 35,000				\$ 35,000					\$ 35,000	\$ -
Vehicle Replacement	\$ 91,000				\$ 91,000					\$ 91,000	\$ -
Sewer Distribution Equipment	\$ 45,000				\$ 45,000					\$ 45,000	\$ -
										\$ -	\$ -
										\$ -	\$ -
Stormwater Enterprise:											
Storm Line Replacement	\$ 575,000				\$ 575,000					\$ 575,000	\$ -
Levee Assessment and Repair	\$ 250,000				\$ 250,000					\$ 250,000	\$ -
Vehicle Replacement	\$ 91,000				\$ 91,000					\$ 91,000	\$ -

APPENDIX C: PROJECTS

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Building Department Inspection Vehicles

DATE SUBMITTED: 09/19/17

DEPARTMENT PROJECT INFORMATION

Department: **Building Department**

Department Contact: **Louis Hasbrouck**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Replace 2013 Subaru Forester inspection vehicle in FY 2023.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Replacing an existing vehicle that is used every day; department travel costs would rise

Cost to Maintain:

~ \$300 per year

Describe all Benefits and/or Savings:

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase					\$ 28,000	\$ 28,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 28,000	\$ 28,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation					\$ 28,000	\$ 28,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 28,000	\$ 28,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Academy of Music- Dressing Room Upgrades

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project would upgrade the six dressing rooms at the Academy of Music. The spaces have not been renovated for many years and are used continuously throughout the year.

The project would cover the upgrading of water and drain lines as needed, the replacement of sinks and faucets in each room, and replacing the vinyl flooring and trim in each room.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Reduced plumbing issues and service calls; new flooring would protect the sub-flooring and framing underneath.

Cost to Maintain:

No costs to maintain once installed.

Describe all Benefits and/or Savings:

Reduced plumbing issues and service calls; new flooring would protect the sub-flooring and framing underneath.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 10,000					\$ 10,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 10,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 10,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 10,000					\$ 10,000
TOTALS	\$ 10,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 10,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: City Hall- Foundation Repairs

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project involves engineering and construction work to install concrete retaining walls at two corners of City Hall to provide foundation support. The northeast corner shows some moderate settling and the southeast corner also shows some settling. Footing details to support the stone and block foundation are not known on the 1849 building.

Engineering work would include an analysis of the foundation and plans for concrete support work. Construction would include excavation, shoring where necessary, and the installation of concrete structures to support the building.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended, the scope and cost of work could increase over time if the settling became more significant.

Cost to Maintain:

No costs to maintain once installed.

Describe all Benefits and/or Savings:

The key benefit would be the stabilization of the building which would eliminate settling and potential cracking of the historic stucco facade, cracking of interior plaster, and movement of the building framing.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering				\$ 10,000		\$ 10,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction				\$ 90,000		\$ 90,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 100,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation				\$ 100,000		\$ 100,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 100,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Fire Stations- Upgrade Apparatus Exhaust Syste **DATE SUBMITTED:** 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project would upgrade the Plymo-Vent exhaust systems at each station. The system connects to the exhaust system of each vehicle, exhausts particulates to the exterior when the apparatus is running inside the buildings, and automatically releases as the vehicle leaves. The systems are approximately 17 years old and are beginning to need repairs. The existing exterior exhaust system would continue to be used and the flexible hoses, connectors and retractable devices would be replaced. A total of 12 units would be replaced.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Replacing the units would reduce required repairs and provide for operable and sealed systems that would eliminate exhaust from the interior of the buildings.

Cost to Maintain:

Once installed, maintenance would be limited to minimal preventative maintenance over time.

Describe all Benefits and/or Savings:

Upgrading the aging equipment would eliminate the need for increasing repairs and would contribute to a safe, exhaust-free interior environment.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 125,000					\$ 125,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 125,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 125,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 125,000					\$ 125,000
TOTALS	\$ 125,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 125,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Main Fire Headquarters- Energy Management System **DATE SUBMITTED:** 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This multi-year project involves the replacement of energy management system controls. Many of the controls were installed when the fire station was built in 1999 and are now obsolete and in need of upgrading. Replacement components for the vintage of the current equipment are no longer available. Some of the controls are marginally operating which is affecting the ability to both monitor and control energy usage. The project would also involve the installation of hot water coils and zone dampers to the heating system to improve system operations.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended, the ability to make repairs as needed along with the ability to fully utilize the energy management system will be compromised.

Cost to Maintain:

No ongoing maintenance will be required post installation.

Describe all Benefits and/or Savings:

Main fire headquarters and the attached emergency dispatch center is a 24/7 facility. Heating and cooling requirements vary throughout the facility and the upgrades in this project will ensure that staff and operations are controlled as efficiently as can be.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 80,000	\$ 50,000				\$ 130,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 80,000	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 130,000

Financing Sources

Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 80,000	\$ 50,000				\$ 130,000
TOTALS	\$ 80,000	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 130,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Main Fire Headquarters- Parking Lot Expansion **DATE SUBMITTED:** 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Main Fire Headquarters serves as the City emergency operations center. The City is currently working on a project for the construction of a photovoltaic system that would produce, store and provide electricity to ensure that the station remains in operation when the power is out. The solar canopy system would be built over the existing parking lot which would need to be realigned. Changes in operations and apparatus since the station's construction in 1999 dictate that the size of the parking lot be expanded. The work in FY 19 would cover the design of the expanded lot, the preparation of construction documents for bidding, the overlay of the solar piece of the project, and permitting for wetlands and storm water issues. Actual construction of the solar array and the new parking lot, including the relocation of a fuel tank, would occur in FY 20.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The ability to provide electricity to the 24/7 emergency facility; better department operations and mobility.

Cost to Maintain:

No costs beyond normal parking lot maintenance and cleaning.

Describe all Benefits and/or Savings:

Stored and available electricity for emergency operations; better traffic flow, operations and parking management for the department.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 60,000					\$ 60,000
Site Acquisition						\$ 0
Site Improvements		\$ 300,000				\$ 300,000
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 60,000	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 360,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 60,000	\$ 300,000				\$ 360,000
TOTALS	\$ 60,000	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 360,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Memorial Hall: Interior Painting

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department:	Central Services- City Facilities									
Department Contact:	David Pomerantz, Director									
Fiscal Year(s) Requested:	FY19	<input checked="" type="checkbox"/>	FY20	<input type="checkbox"/>	FY21	<input type="checkbox"/>	FY&2	<input type="checkbox"/>	FY23	<input type="checkbox"/>
Department Priority:	Critical	<input type="checkbox"/>	High	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>

PROJECT DESCRIPTION

The interior trim, walls and ceilings in the common areas are in need of painting. All surfaces would be patched, including plaster surfaces, and walls and ceilings would be primed and painted. There are no records indicating when this work was last done. This is a high ranked project, and has been on the capital list for a number of years.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not funded, maintenance staff will need to perform ongoing limited patching and painting of walls and ceilings. Most of the interior painting involves stairwells which staff cannot access.

Cost to Maintain:

Once prepped and painted the assumption is that all walls, ceilings and trim would be maintenance free for seven-ten years.

Describe all Benefits and/or Savings:

Beyond aesthetic benefits completing painting of all interior surfaces would preserve materials and reduce maintenance needs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 50,000					\$ 50,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 50,000					\$ 50,000
TOTALS	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Memorial Hall- Replace Asphalt Roof

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department:	Central Services- City Facilities					
Department Contact:	David Pomerantz, Director					
Fiscal Year(s) Requested:	FY19 <input type="checkbox"/>	FY20 <input type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY&2 <input type="checkbox"/>	FY23 <input type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

The asphalt shingles on the rear gable and front hip roofs of the building are reaching the end of their life span and will need to be replaced. The existing shingles and roof felt would be removed. The wooden roof decks would be examined and repaired as needed as would all flashing and curbing. Twenty-five year asphalt roof shingles along with new flashing and ice and water barrier would be installed.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

At this point repairs to address specific issues are not required. This project is on the schedule due to the aging of the shingles and will need to be addressed in the short term.

Cost to Maintain:

There are no required maintenance costs at this point. After the new roofing work is completed there should be no maintenance costs for twenty-plus years.

Describe all Benefits and/or Savings:

The new roof would provide for a weather tight seal and protect the building from the elements.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering			\$ 12,000			\$ 12,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 113,000			\$ 113,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 125,000	\$ 0	\$ 0	\$ 125,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 125,000			\$ 125,000
TOTALS	\$ 0	\$ 0	\$ 125,000	\$ 0	\$ 0	\$ 125,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Academy of Music- Stage Door Accessibility

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project would provide accessibility to the stage via an existing stage door on the west side of the building. An existing set of stone steps would be removed and a new metal stair and ramp system would be constructed. A gable roof would also be built over the door. The metal stair and ramp system would be painted to match the existing fire escapes and stairs around the building.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The stair and ramp system would replace the deteriorated stone steps and would provide full accessibility to the stage area.

Cost to Maintain:

No maintenance costs beyond winter snow removal.

Describe all Benefits and/or Savings:

The ramp and stairs would provide full accessibility to the stage.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 10,000					\$ 10,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 60,000	\$ 50,000				\$ 110,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 70,000	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 120,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 70,000	\$ 50,000				\$ 120,000
TOTALS	\$ 70,000	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 120,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Academy of Music- Structural Foundation Repair **DATE SUBMITTED:** 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Upgrades to Pulaski Park, including new parking for vehicles unloading at the rear loading dock at the Academy of Music resulted in the ground elevation being lowered. As a result, the stone foundation wall below the brick veneer of the building is now exposed along 75' at the rear of the building. Under this project concrete footings and a thick concrete wall would be designed and poured to cover and protect the exposed stone foundation.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installing the concrete footings and wall would protect the stone from the elements, prevent water seepage into the building and prevent settling of the original stone wall.

Cost to Maintain:

No costs to maintain once constructed.

Describe all Benefits and/or Savings:

Installing the concrete footings and wall would protect the stone from the elements, prevent water seepage into the building and prevent settling of the original stone wall.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 15,000					\$ 15,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 70,000					\$ 70,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 85,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 85,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 85,000					\$ 85,000
TOTALS	\$ 85,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 85,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Replace HVAC Technician's Van

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The HVAC technician, who services all city and school facilities uses a 2006 cargo van which has 103,500 miles on it. Repair costs are moderate at this point but will increase as the vehicle ages further. The current vehicle would be replaced with a cargo van that would be more fuel efficient. The current van would be traded in.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Increased repair costs as the vehicle ages.

Cost to Maintain:

None beyond normal maintenance and upkeep.

Describe all Benefits and/or Savings:

Increased fuel efficiency and reduced repair costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase		\$ 45,000				\$ 45,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 45,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 45,000				\$ 45,000
TOTALS	\$ 0	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 45,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: City Maintenance Vehicle

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project would involve the purchase of a pick-up truck with a lift gate and storage boxes. The maintenance staff currently use a cargo van which is in good condition. The pick-up truck would permit for building supplies and larger items to be more easily moved.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Increased fuel efficiency and ease of moving materials and supplies among buildings. I

Cost to Maintain:

None beyond normal maintenance and upkeep.

Describe all Benefits and/or Savings:

Increased fuel efficiency and ease of moving materials and supplies among buildings.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase			\$ 45,000			\$ 45,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 45,000	\$ 0	\$ 0	\$ 45,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 45,000			\$ 45,000
TOTALS	\$ 0	\$ 0	\$ 45,000	\$ 0	\$ 0	\$ 45,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Forbes Library- Replace Tractor

DATE SUBMITTED: 10.10.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The library's existing tractor is a 2003 John Deer x585 with 600 hours of use. Repairs on the tractor are increasing and the current tractor would be traded in toward the purchase of a new tractor.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Increasing repairs and costs over time and the loss of a usable tractor for mowing and snow operations.

Cost to Maintain:

No costs to maintain beyond normal maintenance.

Describe all Benefits and/or Savings:

A reliable, available tractor with no repair costs that can be used for year round operations.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 15,000					\$ 15,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 15,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 15,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 15,000					\$ 15,000
TOTALS	\$ 15,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 15,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Forbes Library- Lighting Upgrades

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- City Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project would involve upgrades to existing interior lighting at Forbes Library. The lamps and ballasts in approximately 73 fixtures would be replaced and LED bulbs would be installed. This project would have a three-year pay back.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Reduced energy costs and longer time frames for replacing lamps.

Cost to Maintain:

No costs to maintain following installation.

Describe all Benefits and/or Savings:

Reduced energy costs and longer time frames for replacing lamps.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 40,000					\$ 40,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 40,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 40,000					\$ 40,000
TOTALS	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 40,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: J.F.K. Middle School- Energy Management System **DATE SUBMITTED:** 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This multi-year project would upgrade and expand the capabilities of the existing energy management system at the JFK School. Existing field controllers, control valves and damper actuators that are deteriorated and outdated would be replaced. Demand control ventilation would be added to the air handling units. Software for the existing NAE system and graphics would be upgraded.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended it may be impossible to obtain components when repairs are needed. Failures with equipment will make it difficult to adequately run the building energy management systems.

Cost to Maintain:

Once completed there will be no significant costs to maintain the system.

Describe all Benefits and/or Savings:

The middle school is a large energy user (electricity and natural gas) so having in-depth control of the building heating, cooling and occupancy systems will result in consumption savings, lower costs and a healthier building.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000		\$ 400,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 0	\$ 400,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000		\$ 400,000
TOTALS	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 0	\$ 400,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Ryan Road School- Energy Management System **DATE SUBMITTED:** 10.10.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Under this project upgrade and replacement work would be done on energy management system controls at the Ryan Road School. The work would cover upgrades to controls, graphics and components that are failing, outdated and can no longer be repaired. Work would also include upgrades to hardware and software communications systems, unit ventilators, VAV boxes and fin tube radiation controls.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended it may be impossible to obtain components when repairs are needed. Failures with equipment will make it difficult to adequately run the building energy management systems

Cost to Maintain:

Once upgrades are made there will be no significant maintenance costs beyond preventative maintenance conducted by City HVAC staff.

Describe all Benefits and/or Savings:

Having in-depth control of the building heating, cooling and occupancy systems will result in consumption savings, lower costs and a healthier building.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction					\$ 100,000	\$ 100,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 100,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation					\$ 100,000	\$ 100,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 100,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Leeds School- Energy Management System Upc **DATE SUBMITTED:** 10.10.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Under this project upgrade and replacement work would be done on energy management system controls at the Leeds Elementary School. The work would cover upgrades to controls, graphics and components that are failing, outdated and can no longer be repaired. Work would also include upgrades to hardware and software communications systems, unit ventilators, VAV boxes and fin tube radiation controls.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended it may be impossible to obtain components when repairs are needed. Failures with equipment will make it difficult to adequately run the building energy management systems

Cost to Maintain:

Once upgrades are made there will be no significant maintenance costs beyond preventative maintenance conducted by City HVAC staff

Describe all Benefits and/or Savings:

Having in-depth control of the building heating, cooling and occupancy systems will result in consumption savings, lower costs and a healthier building.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction					\$ 100,000	\$ 100,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 100,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation					\$ 100,000	\$ 100,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 100,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Jackson Street School- Energy Management Sys **DATE SUBMITTED:** 10.10.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Under this project upgrade and replacement work would be done on energy management system controls at the Jackson Street Elementary School. The work would cover upgrades to controls, graphics and components that are failing, outdated and can no longer be repaired. Work would also include upgrades to hardware and software communications systems, unit ventilators, VAV boxes and fin tube radiation controls.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended it may be impossible to obtain components when repairs are needed. Failures with equipment will make it difficult to adequately run the building energy management systems

Cost to Maintain:

Once upgrades are made there will be no significant maintenance costs beyond preventative maintenance conducted by City HVAC staff

Describe all Benefits and/or Savings:

Having in-depth control of the building heating, cooling and occupancy systems will result in consumption savings, lower costs and a healthier building.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction				\$ 100,000		\$ 100,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 100,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation				\$ 100,000		\$ 100,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 100,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Jackson Street School- Cafeteria Heating Upgrade **DATE SUBMITTED:** 10.05.17

DEPARTMENT PROJECT INFORMATION

Department:	Central Services- School Facilities									
Department Contact:	David Pomerantz, Director									
Fiscal Year(s) Requested:	FY19	<input checked="" type="checkbox"/>	FY20	<input type="checkbox"/>	FY21	<input type="checkbox"/>	FY&2	<input type="checkbox"/>	FY23	<input type="checkbox"/>
Department Priority:	Critical	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input checked="" type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input type="checkbox"/>

PROJECT DESCRIPTION

This project covers repairs and upgrades to heating components in the Jackson Street School cafeteria. Existing heating components have worked poorly for some time and adequate heat is an issue. Upgrades would include the installation of an air-to-air heat pump system with four interior cassettes and an outside condenser. The new system would provide heating and cooling and result in reduced building energy use. Construction work would be completed during the summer 2018.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Repairs and upgrades would provide adequate heat and the efficiency of the components installed would help with overall building energy efficiency.

Cost to Maintain:

Post installation, there would be some ongoing maintenance that would be provided by the City HVAC technician.

Describe all Benefits and/or Savings:

Repairs and upgrades would provide adequate heat and the efficiency of the components installed would help with overall building energy efficiency.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 15,000					\$ 15,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 135,000					\$ 135,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 150,000					\$ 150,000
TOTALS	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: District Wide- Security Upgrades

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project builds on work completed in FY 18 and focuses on the installation of security cameras at schools throughout the district. Based on specific needs of building principals, new and expanded systems would be installed that would address needs. Planned upgrades for FY 19 to existing security access and camera systems in the schools will constitute the third year of a multi-year effort. These upgrades include:

-Increase in exterior and interior cameras at JFK.

-Installation of multi-camera systems at the four elementary schools to provide exterior grounds and main entry system footage (main entry security access systems installed and upgraded since 2007).

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installation of the cameras would provide more security at facilities, would increase safety and would help in reducing vandalism.

Cost to Maintain:

Beyond normal cleaning and maintenance there would be no costs to maintain the systems.

Describe all Benefits and/or Savings:

Installation of the cameras would provide more security at facilities, would increase safety, and would help in reducing vandalism.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 30,000					\$ 30,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 30,000

Financing Sources

Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 30,000					\$ 30,000
TOTALS	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 30,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Grounds Division- New Truck

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

A pick up truck used by the Grounds Department, which is used for all types of work including plowing, is ready for replacement. The existing truck is a diesel Ford F350 and has about 120,000 miles on it. The new truck, a Ford F350 with a gas engine, would include a plow package. The existing truck would be traded in due to the existing economic value and condition of the vehicle.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Continued repair costs. If the vehicle is out of service it will extend the length of time significantly for snow removal and other operations which the pickup is used for.

Cost to Maintain:

Routine maintenance costs.

Describe all Benefits and/or Savings:

Benefits include improved safety and minimal down time as it is a critical piece of equipment.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase	\$ 65,000					\$ 65,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 65,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 65,000

Financing Sources

Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 65,000					\$ 65,000
TOTALS	\$ 65,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 65,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Leeds School- Paving and Drainage Upgrades

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This is a multi-year project to replace all the paving at the school and perform drainage upgrades. Following design and engineering work conducted in FY18 some paving was done this year. The asphalt is severely cracked and deteriorated throughout the parking lots. All material would be removed, required grading work would be done, and new asphalt base and binder coats for parking areas would be installed. Where needed, line stripping would be done. This would be a two year project. Along with paving work drainage system repairs and upgrades would be made.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

At this point due to the overall deterioration both sub-base and structural material under the asphalt will need to be replaced before paving. Delays will result in more work being needed with added costs.

Cost to Maintain:

Once replaced the only required maintenance will be sweeping and plowing.

Describe all Benefits and/or Savings:

Along with providing finished areas for parking, the new parking areas will make driving safer and will reduce dust around the school.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 140,000	\$ 140,000				\$ 280,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 140,000	\$ 140,000	\$ 0	\$ 0	\$ 0	\$ 280,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 140,000	\$ 140,000				\$ 280,000
TOTALS	\$ 140,000	\$ 140,000	\$ 0	\$ 0	\$ 0	\$ 280,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: J.F.K.- Exterior Facade Repairs

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department:	Central Services- School Facilities					
Department Contact:	David Pomerantz, Director					
Fiscal Year(s) Requested:	FY19 <input checked="" type="checkbox"/>	FY20 <input checked="" type="checkbox"/>	FY21 <input type="checkbox"/>	FY&2 <input type="checkbox"/>	FY23 <input type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

Due to ongoing exposure to the elements, the beam façade and trim around the JFK school are starting to rust and are in need of painting. Using an aerial lift all material would be prepped, sanded, scraped and primed, and a rust inhibiting paint would be applied with the new color to match the existing blue color.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Addressing this need will preserve the metal facade and trim of the building and prevent deterioration of key components of the building.

Cost to Maintain:

No ongoing maintenance costs once the project is completed.

Describe all Benefits and/or Savings:

Completing this work would preserve the building facade and negate the need for temporary maintenance work by school staff which would just postpone the need to refinish the metal and steel components.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 45,000	\$ 45,000				\$ 90,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 45,000	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 90,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 45,000	\$ 45,000				\$ 90,000
TOTALS	\$ 45,000	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 90,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: J.F.K.- Pool Tile Repairs

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The pool tile was installed and grouted during construction in 1996. As part of preventive maintenance the tile should be cleaned and re-grouted where needed. The pool would be drained as part of this work. As it stands currently about 25% of the pool is in need of re-grouting work.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

No significant repairs are needed at this point but the project should move up the capital schedule.

Cost to Maintain:

Once the work is completed there will be no ongoing maintenance costs.

Describe all Benefits and/or Savings:

Completing the work and ensuring secure tile and grout will reduce the chances for injuries to swimmers and damage to pool equipment from loose tile and grout.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 50,000				\$ 50,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 50,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 50,000				\$ 50,000
TOTALS	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 50,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Ryan Road- Bathroom Upgrades

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The 6 boys and girls bathrooms need upgrading. Partitions were installed in some of the bathrooms in a previous project so this project would cover the installation of additional partitions, new plumbing and bathroom fixtures. Lighting would be upgraded as needed, new ceilings would be installed and the spaces would be painted. Along with upgrades to the boys and girls bathrooms the faculty, nurses, guidance, kitchen and locker room bathrooms would also be upgraded. None of these areas have been addressed in a long time.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

No upgrades or renovations have been made to the bathrooms in the recent past. Upgrades would provide cleaner, easier to maintain and attractive bathrooms for the students, faculty and staff.

Cost to Maintain:

Beyond daily cleaning there will be no additional costs post construction.

Describe all Benefits and/or Savings:

Upgrades would provide cleaner, easier to maintain and attractive bathrooms for the students and staff.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 150,000					\$ 150,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 150,000					\$ 150,000
TOTALS	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Ryan Road- Sidewalk and Curbing Repairs

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Sidewalks, especially along the front of the building, are deteriorating and need work. In sections, curbing is higher than the sidewalks due to heaving and settling, and this can result in tripping hazards. Gaps and irregularities have been patched over time but the sidewalk and curbing should be replaced. Along the front of the building, the existing granite curbing and concrete walks would be removed. Required site work would be done and new curbing and concrete sidewalks would be installed.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Not doing the project could increase the cost of work in the future due to increased deterioration, and the likelihood of accidental falls could increase.

Cost to Maintain:

No cost to maintain beyond normal maintenance.

Describe all Benefits and/or Savings:

Will decrease/eliminate the chance of tripping hazards concerning the curbs. Plowing, shoveling, and maintaining the grounds will be easier for school staff.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 80,000			\$ 80,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 80,000	\$ 0	\$ 0	\$ 80,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 80,000			\$ 80,000
TOTALS	\$ 0	\$ 0	\$ 80,000	\$ 0	\$ 0	\$ 80,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: High School- Track Resurfacing

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Due to aging, the high school track will be in need of re-surfacing in the next several years. When repairs and repainting were last done, the contractor said the track had about 5-7 years of useful life left. There are clear signs of deterioration and cracking. The rubber surface and asphalt sub-base would need to be removed and replaced, and the track would need to be sealed and painted.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not re-surfaced, deterioration will continue which could require work below the asphalt base and which could cause the track to be unusable.

Cost to Maintain:

No immediate costs to maintain. Over time repainting of the lines and numbers will be required.

Describe all Benefits and/or Savings:

Resurfacing will provide a sealed and safe surface that can be used competitively.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 200,000			\$ 200,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 200,000	\$ 0	\$ 0	\$ 200,000

Financing Sources

Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 200,000			\$ 200,000
TOTALS	\$ 0	\$ 0	\$ 200,000	\$ 0	\$ 0	\$ 200,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: J.F.K. School- Roof Replacement

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The flat rubber membrane roof, which measures approximately 120,000 square feet and which was installed when the middle school was built in 1996, will need to be replaced in the near future. The existing rubber and metal trim would be removed from the roof and insulation would be upgraded as required. A new rubber roof with trim would be installed, and a warranty package would be included with the work. The new roof system would have a twenty year warranty.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

A new roof will provide for a weather tight building and preclude any water problems. The installation of insulation during construction will improve the building's overall energy efficiency.

Cost to Maintain:

Once the new roof system is installed no maintenance apart from keeping the roof drains clean and clear will be required.

Describe all Benefits and/or Savings:

A new roof will provide for a weather tight building and preclude any water problems. The installation of insulation during construction will improve the building's overall energy efficiency.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 1,750,000	\$ 1,750,000		\$ 3,500,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 1,750,000	\$ 1,750,000	\$ 0	\$ 3,500,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 1,750,000	\$ 1,750,000		\$ 3,500,000
TOTALS	\$ 0	\$ 0	\$ 1,750,000	\$ 1,750,000	\$ 0	\$ 3,500,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: J.F.K. School- Window Repairs

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Many of the operable windows do not open-close and seal properly. Maintenance staff have been addressing this issue for years and an outside contractor has been brought in over time to make repairs. Under this project an architect would be hired to design a scope of work with plans for the repair and upgrade of operable windows. Work would be bid and done the following year.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Repairing and upgrading windows would help with both the operation of the windows and energy efficiency in the building.

Cost to Maintain:

Once repaired there would be no maintenance costs.

Describe all Benefits and/or Savings:

Repairing and upgrading windows would help with both the operation of the windows and energy efficiency in the building.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction				\$ 20,000	\$ 60,000	\$ 80,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 20,000	\$ 60,000	\$ 80,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation				\$ 20,000	\$ 60,000	\$ 80,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 20,000	\$ 60,000	\$ 80,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Leeds School- Flooring Replacement

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department:	Central Services- School Facilities					
Department Contact:	David Pomerantz, Director					
Fiscal Year(s) Requested:	FY19 <input type="checkbox"/>	FY20 <input type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY&2 <input checked="" type="checkbox"/>	FY23 <input type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

Under this project original flooring in the older section of the school covering hallways and classrooms would be replaced. The existing flooring is intact but worn. The flooring would be removed and abatement work would be done as required. A durable VCT flooring would then be installed in the hallways and classrooms.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

While the existing flooring is intact it has never been replaced since the school was built in the 1950's. Replacing the flooring would help with upgrading the older sections of the building.

Cost to Maintain:

Normal custodial and maintenance would be required moving forward.

Describe all Benefits and/or Savings:

While the existing flooring is intact it has never been replaced since the school was built in the 1950's. Replacing the flooring would help with upgrading the older sections of the building.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 75,000			\$ 75,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 75,000	\$ 0	\$ 0	\$ 75,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 75,000			\$ 75,000
TOTALS	\$ 0	\$ 0	\$ 75,000	\$ 0	\$ 0	\$ 75,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: District Wide- Electrical Upgrades with AC- Spec **DATE SUBMITTED:** 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Based on the growing need for climate-controlled spaces for special needs students, a number of classrooms at the middle school and the four elementary schools would be designated for air conditioning. Existing electrical circuits would be upgraded and increased as needed, and electrical sub-panels would be installed where required. Portable air conditioners would be used in the designated rooms during the school year and during summer school.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Annual maintenance required on each portable air conditioning unit installed. Also, increased building energy costs across the board.

Cost to Maintain:

Annual maintenance would be required on the air conditioning units.

Describe all Benefits and/or Savings:

Assist special needs students with the partial cooling of spaces.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 15,000	\$ 60,000				\$ 75,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 60,000					\$ 60,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 75,000	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 135,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 75,000	\$ 60,000				\$ 135,000
TOTALS	\$ 75,000	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 135,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Maintenance Division- New Vehicle

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- School Facilities**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

A new cargo van with storage and ladder racks would be purchased to replace a 17 year old cargo van that the maintenance division uses.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Increasing repairs and having an unreliable vehicle would be negative impacts.

Cost to Maintain:

No costs beyond normal preventive maintenance.

Describe all Benefits and/or Savings:

The new van would be more fuel efficient than the current vehicle. It would guarantee that the maintenance staff would have reliable transportation to get to the different schools.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase		\$ 45,000				\$ 45,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 45,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 45,000				\$ 45,000
TOTALS	\$ 0	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 45,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Install Parkeon Strada Multi-Space Meters

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department:	Central Services- Parking					
Department Contact:	David Pomerantz, Director					
Fiscal Year(s) Requested:	FY19 <input checked="" type="checkbox"/>	FY20 <input checked="" type="checkbox"/>	FY21 <input type="checkbox"/>	FY&2 <input type="checkbox"/>	FY23 <input type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input checked="" type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

This project would increase the number of multi-space Parkeon kiosks that use the license plate reader system for parking. The current 25 machines would be increased by four in FY 19 and by another four in FY 20. Adding additional units will allow for increased use of credit cards and will allow for the removal of individual parking meters in the core downtown.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If recommended and implemented, the ability to pay by credit card for parking in the core downtown area will be increased. Also, maintenance on the multi-space machines is less than with meters.

Cost to Maintain:

Maintenance costs are minimal.

Describe all Benefits and/or Savings:

Benefits include: increased ability to pay for parking with credit cards; decreased maintenance and collection costs and time versus meters.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 44,000	\$ 44,000				\$ 88,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 44,000	\$ 44,000	\$ 0	\$ 0	\$ 0	\$ 88,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 44,000	\$ 44,000				\$ 88,000
TOTALS	\$ 44,000	\$ 44,000	\$ 0	\$ 0	\$ 0	\$ 88,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: E.J. Gare Garage Repairs

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department:	Central Services- Parking					
Department Contact:	David Pomerantz, Director					
Fiscal Year(s) Requested:	FY19 <input type="checkbox"/>	FY20 <input type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY&2 <input type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

This project focuses on repairs and maintenance to preserve the extensive structural repairs that were made over the last five years. Work would include waterproofing and epoxy work as well as lighting and door upgrades as required.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

This work, spread over time would, along with daily maintenance, preserve the extensive structural work that has been completed.

Cost to Maintain:

No costs to maintain.

Describe all Benefits and/or Savings:

Minimal epoxy and waterproofing work would be done as needed. Also, lighting, door, and hardware upgrades would be made.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 25,000		\$ 25,000	\$ 50,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 25,000	\$ 0	\$ 25,000	\$ 50,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 25,000		\$ 25,000	\$ 50,000
TOTALS	\$ 0	\$ 0	\$ 25,000	\$ 0	\$ 25,000	\$ 50,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Equipment: Bobcat Skid Steer Loader

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- Parking**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project would entail the purchase of a Bobcat loader for use by the parking maintenance staff. This purchase would replace a 18 year old unit that has 2,260 hours on it. The unit would be traded in since it still has value, but as the machine is older it will need more extensive repairs over time. The loader is used extensively by the parking maintenance staff for work all year long.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended repairs could increase in frequency and cost, and the machine could be out of service when needed.

Cost to Maintain:

Beyond regular preventative maintenance no additional ongoing maintenance will be needed.

Describe all Benefits and/or Savings:

Purchasing the new Bobcat will give the parking maintenance division a reliable vehicle with no projected maintenance costs or down time.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings			\$ 40,000			\$ 40,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 40,000	\$ 0	\$ 0	\$ 40,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 40,000			\$ 40,000
TOTALS	\$ 0	\$ 0	\$ 40,000	\$ 0	\$ 0	\$ 40,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Bobcat Utility Vehicle

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department:	Central Services- Parking									
Department Contact:	David Pomerantz, Director									
Fiscal Year(s) Requested:	FY19	<input checked="" type="checkbox"/>	FY20	<input type="checkbox"/>	FY21	<input type="checkbox"/>	FY&2	<input type="checkbox"/>	FY23	<input type="checkbox"/>
Department Priority:	Critical	<input type="checkbox"/>	High	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input type="checkbox"/>

PROJECT DESCRIPTION

This project involves replacing a 2009 Kubota utility vehicle that is used for a wide variety of purposes. The City got the vehicle from Smith College in 2012. The Kubota has 1,520 hours on it with a normal repair and maintenance history.

The new vehicle would be a Bobcat Toolcat 5600. The utility vehicle can haul, lift and plow. It would be used by both the parking maintenance staff and the staff that helps with the maintenance of downtown.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended repairs could increase in frequency and cost, and the machine could be out of service when needed.

Cost to Maintain:

Beyond regular preventative maintenance no additional ongoing maintenance will be needed.

Describe all Benefits and/or Savings:

Purchasing the new Bobcat will give the parking maintenance division a reliable vehicle with no projected maintenance costs or down time. Accessories and tools with the Bobcat Toolcat and regular Bobcat are interchangeable which would increase the value of having both vehicles and reduce the costs for accessories.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 60,000					\$ 60,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 60,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 60,000					\$ 60,000
TOTALS	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 60,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Vehicle- Replace Truck

DATE SUBMITTED: 10.05.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- Parking**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project involves the replacement of a 2011 flatbed truck with a new flatbed. The existing truck is a Ford F350 with approximately 18,000 miles. Repairs and maintenance are normal at this point but will increase as the ages. The existing vehicle would be traded in for a new Ford 350 flatbed. The truck would have a plow package and plow.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Repair costs will increase as the truck continues to be used and ages.

Cost to Maintain:

Once on the road, the truck will require regular preventative maintenance.

Describe all Benefits and/or Savings:

Trading in the existing truck and getting a new truck will increase the reliability of the maintenance fleet and reduce repair costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase				\$ 55,000		\$ 55,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 55,000	\$ 0	\$ 55,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation				\$ 55,000		\$ 55,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 55,000	\$ 0	\$ 55,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Equipment: Folding V-Plow

DATE SUBMITTED: 11.01.17

DEPARTMENT PROJECT INFORMATION

Department: **Central Services- Parking**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

A Henke folding V-plow with hydraulic kit would be purchased to be attached to a loader the Parking Division will get from the DPW. The V-plow, as opposed to a straight plow, would be used to plow city parking lots and would allow for more effective and quicker operations in the parking lots.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Henke folding V-plow would allow for more effective and quicker operations in the parking lots.

Cost to Maintain:

No costs beyond normal maintenance.

Describe all Benefits and/or Savings:

The Henke folding V-plow would allow for more effective and quicker operations in the parking lots.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 28,000					\$ 28,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 28,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 28,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 28,000					\$ 28,000
TOTALS	\$ 28,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 28,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: City Clerk's Office

DATE SUBMITTED: 10/23/2017

DEPARTMENT PROJECT INFORMATION

Department: **City Clerk's Office**

Department Contact: **Pam Powers 413.587.1223**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The project will provide 15 new voting machines to support 14 voting precincts in the City. The purchase includes Model DS200 Scanner, internal backup battery, Plastic Ballot Box w/ Steel Door & e-bin, paper roll & 4 GB Jump Drive.

The purchase is for 15 Election Systems & Software (ES & S) DS200 machines which is one of only two tabulators currently certified by the State's Elections Division. ES & S was our supplier for the current Optic Eagle tabulator and is our current contracted vendor for the repair service & preventive maintenance for these machines.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The existing equipment is 22 years old and considered "legacy". Parts are available by harvesting from other machines. Lack of a machine will require election results to be hand-counted.

Cost to Maintain:

Annual post-warranty license, maintenance and support fees would be \$4,880.

Describe all Benefits and/or Savings:

The new machines would ensure accurate tabulation of information on the ballot and increase productivity. All ballots, election totals and ballot images are stored on an external USB flash drive for easy transfer. The new equipment would enhance the voter's experience and confidence in the voting process.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 84,724					\$ 84,724
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 84,724	\$ 0	\$ 0	\$ 0	\$ 0	\$ 84,724
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 84,724				\$ 84,724
TOTALS	\$ 0	\$ 84,724	\$ 0	\$ 0	\$ 0	\$ 84,724

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Radio Hardware

DATE SUBMITTED: 10/20/17

DEPARTMENT PROJECT INFORMATION

Department: **Public Safety Communications**

Department Contact: **Kelly Banister**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

As part of the overall upgrade and improvement to the current radio system, Police, Fire, Communications, DPW, School, and Parking have taken part in a radio study in FY18. This results of the study will be presented and shall identify areas in need of improvement as well as a suggested project schedule based on the needs determined. This project is expected to require a large number of funds and in an attempt to alleviate some of the financial burden; we are trying to space out the cost of the project of a number of years.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The committee to improve radio communications and equipment are anticipating a long term project to make overall improvements. After the study is presented, a multi-year plan shall be developed.

Cost to Maintain:

The overall goal of this project is to reduce the City's cost associated with maintaining all radio systems and to develop an annual radio maintenance contract with a set cost for each fiscal year.

Describe all Benefits and/or Savings:

To reduce the impact of a costly overhaul of the aging and failing radio communications system. The goal is to consolidate all city radio systems which will result in cost saving in centralizing purchases on high volumes of equipment and reduce interoperability gaps.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Turnout Gear Replacement

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Turnout Gear is the foundation of firefighter safety and the most basic tool of the effective fire/rescue operations. This equipment is provided to each firefighter for response to situations involving exposure to extreme heat and flames. Structural firefighting gear, including boots, pants, coats, gloves, hoods, goggles, vests, and helmets are essential to personal safety at a fire or other emergency scene. Like other clothing, turnout gear deteriorates through normal wear and tear. Based on the fire retardant fabrics utilized, these specialized protective suits also deteriorate with the exposure to light. In Northampton, firefighters respond to over 6,000 calls each year requiring protection from a variety of high hazard conditions including exposure to bodily fluids, heat, open flame and hazardous materials. Properly fitting turnout gear in usable condition is essential. The State Fire Academy has adopted the national standard which is no turnout gear older than 10 years is allowed to be worn at any academy sponsored programs.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Properly fitted turnout gear in usable condition is vital to the safety and well-being of department personnel. In the absence of this gear, firefighter injury and fire loss should be expected to increase.

Cost to Maintain:

As this gear ages we provide repair. Each year components that are not salvageable are replaced. The repair and replacement of this gear is estimated at \$15,000 per year.

Describe all Benefits and/or Savings:

Providing this personal protective equipment will prevent injury, increase capability, and ensure that Department members are able to participate in training evolutions at the State Fire Academy. Turnout gear is the most important tool firefighters have. New gear would improve their safety and health. It has also been identified that firefighters are at risk for higher rates of cancer because of their exposure to products of combustion. Properly fitted turnout gear is essential for cancer prevention.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 195,000					\$ 195,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 195,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 195,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 195,000					\$ 195,000
TOTALS	\$ 195,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 195,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Refurbish Ladder Truck

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

We currently experience many electrical problems with our ladder truck. Currently the ladder is frequently out of service due to these issues. We have been able to troubleshoot the issues and get the vehicle back in service fairly quickly. We are see these issues more frequently. We have researched with the manufacturer a solution to fix these issues. Modern day fire apparatus have elaborate electrical systems to operate. However our ladder currently has a first generation electrical system that is inherent with problems. A refurbish would remove the current electrical system and install an upgraded new generation system in its place. The manufacturer has had very good results with the new system. Otherwise the ladder is very sound mechanically and structurally. Upon completion of the refurbish work, the issues will be corrected as well as extending the life of the ladder in the fleet.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended, we will continue to experiencing the ladder frequently out of service. If recommended, the issue we are experiencing will be corrected as well as extending life of the ladder.

Cost to Maintain:

The cost of maintaining the vehicle has averaged around \$10,000 annually.

Describe all Benefits and/or Savings:

The refurbishing of the electrical system will eliminate the electrical issues we are experiencing which will equate to having the ladder in service more. This will also extend the ladders useful life.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 62,500					\$ 62,500
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 62,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 62,500
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 62,500					\$ 62,500
TOTALS	\$ 62,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 62,500

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Staff Vehicle

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The Department's need for reliable staff vehicles to perform inspections and other administrative functions has increased. This project sustains a rotation that provides reliable vehicles to perform administrative functions ranging from inspections to training transportation. Once purchased, this vehicle would be assigned to a Chief Officer for emergency response, the existing vehicle would then move into our rotation to provide smaller more economical vehicles for both inspections and training. This methodology results in a maximum life span for the administrative vehicles. Many of our vehicles have lasted 10 years or more and accumulated over 100,000 miles.

This project would replace a 2006 vehicle with over 120,000 miles on it. This vehicle would perpetuate our practice of trying to use smaller more efficient vehicles.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Department operates five staff/inspection vehicles. This group of vehicles is aging and the need for a consistent rotation is vital to maximize the vehicles life span to reduce repair costs.

Cost to Maintain:

The cost to maintain these vehicles is estimated at \$5,000 per year. This cost will increase as vehicles age and repairs are more significant.

Describe all Benefits and/or Savings:

Providing an ongoing rotation of staff vehicles allows more efficient units to provide emergency response, fire prevention inspections, and transportation to training venues. As these vehicles serve an emergency response role, this project would enhance reliability. Establishing a rotation with vehicles will help extend the life expectancy and keep a good rotation of staff vehicles within the Department.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase	\$ 40,250					\$ 40,250
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 40,250	\$ 0	\$ 0	\$ 0	\$ 0	\$ 40,250
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 40,250					\$ 40,250
TOTALS	\$ 40,250	\$ 0	\$ 0	\$ 0	\$ 0	\$ 40,250

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: EMS Supply Management

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue									
Department Contact:	Duane Nichols									
Fiscal Year(s) Requested:	FY19	<input checked="" type="checkbox"/>	FY20	<input type="checkbox"/>	FY21	<input type="checkbox"/>	FY&2	<input type="checkbox"/>	FY23	<input type="checkbox"/>
Department Priority:	Critical	<input type="checkbox"/>	High	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input type="checkbox"/>

PROJECT DESCRIPTION

This project would help the Department better manage our EMS supplies. The system is an inventory management tool that would manage inventory for restocking and provide accountability for supplies used on calls. The system operates on a software program. It keeps track of inventory through a dispensing machine. This is where the firefighters get supplies to restock their ambulances. The program helps with accountability to keep track of where supplies are used and by which employee along with notification of when to order additional supplies. We are told that we could see a 20% reduction in EMS supplies used. This is accomplished by keeping track of expiration dates and not overstocking of items. It will also assist our personnel from overstocking ambulances by only restocking equipment that was used.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

This project would help us better manage our EMS supply inventory by keeping track of expiration dates and overstocking of items. We are told we can see a reduction in expenses.

Cost to Maintain:

Annual maintenance costs would be \$1200 a year for warranty, licenses fees, and maintenance of the equipment.

Describe all Benefits and/or Savings:

This system would help control our EMS inventory shrinkage, overstocking of apparatus and manage expiration dates of items. This is accomplished by tracking expiration dates and supply usage so we do not overstock items. We predict that we could see a savings of 20% in our EMS supply account.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 17,000					\$ 17,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 17,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 17,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 17,000					\$ 17,000
TOTALS	\$ 17,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 17,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Vehicle Lift System

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project would be purchasing a lift system for our repair bay. Currently, we use hydraulic jacks and jack stands if repair work is to be performed. The mechanic must crawl underneath vehicles to work. This does not allow us to thoroughly inspect the underside of the vehicle for problems or servicing the vehicle. This is not the safest manner to perform repair work. Having the lift system would allow us to better perform preventive maintenance and repairs on our apparatus. It would give us the capability to safely work under apparatus. The lift system would allow us be able to handle preventive maintenance and repairs better with the goal of reducing expenses. Some repairs in the past have been sent out because we did not have the ability to lift the apparatus. This would allow us to perform more of the work in house. Being able to lift the apparatus up to work safely beneath it and the ability to inspect the under side will reduce repairs expenses along with extending the working life of the vehicle.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Having the lift system would allow for safer preventive maintenance and repair in-house, thus reducing expenses on repairs. Not having the system means sending apparatus out for repairs more often.

Cost to Maintain:

Currently, we budget \$80,000 for repairs for all our apparatus. Having the lift system would allow us to perform more in-house repairs thus helping to reduce expenses.

Describe all Benefits and/or Savings:

This system would save money by being able to perform more in-house repairs and preventive maintenance, thus reducing repair expenses for the department. Also having the ability to perform better inspections and cleaning of the undercarriage will help extend the life of our apparatus.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings		\$ 45,000				\$ 45,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 45,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 45,000				\$ 45,000
TOTALS	\$ 0	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 45,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Brush Truck Replacement

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue									
Department Contact:	Duane Nichols									
Fiscal Year(s) Requested:	FY19	<input type="checkbox"/>	FY20	<input checked="" type="checkbox"/>	FY21	<input type="checkbox"/>	FY&2	<input type="checkbox"/>	FY23	<input type="checkbox"/>
Department Priority:	Critical	<input type="checkbox"/>	High	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input checked="" type="checkbox"/>	Equipment	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input type="checkbox"/>

PROJECT DESCRIPTION

This project would replace our 1997 pickup truck that has been outfitted with a skid mount brush fire module. This vehicle will have far exceeded (21 years at replacement) its useful life span of 20 years. Currently the vehicle is in need of some extensive body repairs due to rust. This unit is utilized to access the offroad areas in many of the rural portions of the City and in the Meadows area for brush fires and rescues. This project would replace the pickup truck, and we would utilize the existing skid mount brush fire module as its condition is still good.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The ability to access wildland and urban interface fires with a small agile vehicle is essential to rapidly control outside fires and offroad rescue operations. In addition, this prevents damage to larger units.

Cost to Maintain:

The cost to maintain this vehicle is estimated at \$1,000 per year. This is expected to grow as the unit continues to age.

Describe all Benefits and/or Savings:

The primary benefit of a unit of this type is that it can provide rapid intervention and decrease the size of outside fires and support off road rescue situations. This is especially useful in the Meadows where grass fires can grow at an exponential rate. This unit also prevents larger more expensive units from being exposed to off road conditions.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase		\$ 70,250				\$ 70,250
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 70,250	\$ 0	\$ 0	\$ 0	\$ 70,250
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 70,250				\$ 70,250
TOTALS	\$ 0	\$ 70,250	\$ 0	\$ 0	\$ 0	\$ 70,250

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Staff Vehicle

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue					
Department Contact:	Duane Nichols					
Fiscal Year(s) Requested:	FY19 <input type="checkbox"/>	FY20 <input checked="" type="checkbox"/>	FY21 <input type="checkbox"/>	FY&2 <input type="checkbox"/>	FY23 <input type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input checked="" type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

The Department's need for reliable staff vehicles to perform inspections and other administrative functions has increased. This project sustains a rotation that provides reliable vehicles to perform administrative functions ranging from inspections to training transportation. Once purchased, this vehicle would be assigned to a Chief Officer for emergency response, the existing vehicle would then move into our rotation to provide smaller more economical vehicles for both inspections and training. With this methodology we are trying to maximize the life span of administrative vehicles.

This project would replace a 2008 vehicle. This vehicle would perpetuate our practice of trying to use more efficient vehicles for emergency response and administrative duties along with developing a rotation for staff vehicles.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Department operates five staff/inspection vehicles. This group of vehicles is aging and the need for a consistent rotation is vital to maximize the vehicles life span in order to reduce repair costs.

Cost to Maintain:

The cost to maintain these vehicles is estimated at \$5,000 per year. This cost will increase as vehicles age repairs are more significant.

Describe all Benefits and/or Savings:

Providing an ongoing rotation of staff vehicles allows smaller and more efficient units to provide emergency response, fire prevention inspections and transportation to training venues. As these vehicles serve an emergency response role, this project would enhance reliability.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase		\$ 40,250				\$ 40,250
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 40,250	\$ 0	\$ 0	\$ 0	\$ 40,250
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 40,250				\$ 40,250
TOTALS	\$ 0	\$ 40,250	\$ 0	\$ 0	\$ 0	\$ 40,250

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Replace 1999 Engine

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project would replace a 1999 pumper that will be 22 years old when replaced. This unit was purchased new in 1999 and has been transitioned from the front line to a backup unit over the course of its life. It has been refurbished once during its time here to extend its life span. Due to age it is at the end of its useful life.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

As this unit ages it will be more costly to maintain as the frequency of repairs will increase. Therefore the reliability as a reserve engine will be reduced as it will be out of service frequently.

Cost to Maintain:

As our fleet continues to age the older apparatus is a burden on the Ordinary Maintenance (OM) budget as we anticipate needed repairs. Cost to maintain is \$3000 per year.

Describe all Benefits and/or Savings:

Replacement of the piece of equipment will help the department establish a regular replacement schedule of fire engines. We continue to see higher call volumes every year which translate to high road miles and engine hours on our apparatus.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase			\$ 595,000			\$ 595,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 595,000	\$ 0	\$ 0	\$ 595,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 595,000			\$ 595,000
TOTALS	\$ 0	\$ 0	\$ 595,000	\$ 0	\$ 0	\$ 595,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Replace Mechanics Plow

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue					
Department Contact:	Duane Nichols					
Fiscal Year(s) Requested:	FY19 <input type="checkbox"/>	FY20 <input type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY&2 <input type="checkbox"/>	FY23 <input type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input checked="" type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

This vehicle provides a work platform for our mechanic and facilitates emergency repair and mobile servicing of our fleet. In addition, this unit serves as a public safety plow and provides emergency response clearing the way for fire apparatus and ambulances during snow storms. Also this vehicle provides timely plowing of both fire stations to keep emergency access for response to calls. During heavy snowfalls, it is dispatched with apparatus to help facilitate access to emergency scenes.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

As this vehicle will be 14 years old when replaced, it has reached the end of its expected service life. Delayed replacement will result in delayed response during storms and increase in repairs to vehicle

Cost to Maintain:

Currently this vehicle costs approximately \$1,000 per year to maintain. However, extensive wear is visible on several major components.

Describe all Benefits and/or Savings:

Replacement of this vehicle will continue to provide the City with a reliable vehicle for public safety plowing and emergency response. As this unit provides mobile emergency repair and service, this will facilitate the rapid return to service of our ambulances and fire apparatus.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase			\$ 62,250			\$ 62,250
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 62,250	\$ 0	\$ 0	\$ 62,250
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 62,250			\$ 62,250
TOTALS	\$ 0	\$ 0	\$ 62,250	\$ 0	\$ 0	\$ 62,250

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: ATV Replacement

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This project would replace our 1996 ATV Quad with a UTV. In the city, bike, and walking trails have increased in miles. We have seen an increase in calls with people experiencing injuries and illness while out on these trails. Our current ATV does not have adequate accommodations for a stretcher or ability to transport more than two personnel safely. We currently use a trailer to transport patients out of remote areas with EMS personnel riding in the trailer with no means of being secured in. With an all-terrain utility vehicle, there would be a bench seat with the ability to carry three personnel up front. With the stretcher mounting kit for the rear, there would be a seat for the person performing patient care to ride securely along with properly securing the patient in a stretcher on the UTV. It would also provide a safe reliable means of transporting personnel into remote areas of the City and could be utilized for transportation of personnel at large events held in the City

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

A new UTV would improve the safety of personnel and patients by providing a safer vehicle to handle calls in remote areas of the City, whether they are an EMS or fire response.

Cost to Maintain:

Currently we spend approximately \$500 a year to maintain current ATV. As the unit ages, repairs are expected to increase.

Describe all Benefits and/or Savings:

Our current ATV will be 20 years old when replaced. Better technology and safety systems will improve the safety of our personnel responding to off road incidents. Benefits would be better patient care with having the proper equipment to transport the injured along with increased safety transporting emergency response personnel to remote areas. This vehicle will also be used for wild land fire fighting--transporting firefighting equipment to areas not accessible by fire apparatus.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings				\$ 20,500		\$ 20,500
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 20,500	\$ 0	\$ 20,500
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation				\$ 20,500		\$ 20,500
TOTALS	\$ 0	\$ 0	\$ 0	\$ 20,500	\$ 0	\$ 20,500

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: SCBA Fill Station

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue									
Department Contact:	Duane Nichols									
Fiscal Year(s) Requested:	FY19	<input type="checkbox"/>	FY20	<input type="checkbox"/>	FY21	<input type="checkbox"/>	FY&2	<input checked="" type="checkbox"/>	FY23	<input type="checkbox"/>
Department Priority:	Critical	<input type="checkbox"/>	High	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input type="checkbox"/>

PROJECT DESCRIPTION

The Fill Station/Compressor allows the department to refill and reuse compressed air bottles associated with our self contained breathing apparatus. It compresses, pressurizes and filters air for injection into a 45 minute air cylinders. These cylinders allow firefighters to operate in untenable atmospheres. Technology has greatly improved the air filtering system thus providing cleaner air for our personnel. The existing air compressor is 13 years old and will be at the end of its serviceable life in 4 years.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Our personnel use their SCBA daily and not having a properly operating system effects getting our equipment back into service, along with providing safety for our personnel.

Cost to Maintain:

Annual maintenance is performed on the unit to ensure it is operating properly. Cost of maintenance for a year is approximately \$1500.

Describe all Benefits and/or Savings:

As the system ages, annual maintenance costs are expected to increase. A new system will be more efficient at re-filling air bottles and will have improved safety features for personnel filling bottles. Our service company is experiencing problems with obtaining some parts at this time. The recommendation has been to replace the existing unit in the next 5-6 years due to difficulty in obtaining parts.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings				\$ 75,000		\$ 75,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 75,000	\$ 0	\$ 75,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation				\$ 75,000		\$ 75,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 75,000	\$ 0	\$ 75,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Staff Vehicle

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue					
Department Contact:	Duane Nichols					
Fiscal Year(s) Requested:	FY19 <input type="checkbox"/>	FY20 <input type="checkbox"/>	FY21 <input type="checkbox"/>	FY&2 <input type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input checked="" type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

The Department's need for reliable staff vehicles to perform inspections and other administrative functions has increased. This project sustains a rotation that provides reliable vehicles to perform administrative functions ranging from inspections to training transportation. Once purchased, this vehicle would be assigned to a Chief Officer for emergency response, and the existing vehicle would move into a rotation for inspections and training. With this methodology we are trying to maximize the life span of administrative vehicles.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Department operates five staff/inspection vehicles. This group of vehicles is aging and the need for a consistent rotation is vital to maximize the vehicles life span in order to reduce repair costs.

Cost to Maintain:

The cost to maintain these vehicles is estimated at \$5000 per year. This cost will increase as vehicles age and repairs are more significant.

Describe all Benefits and/or Savings:

Providing an ongoing rotation of staff vehicles allows more efficient units to provide emergency response, fire prevention inspections and transportation to training venues. As these vehicles service an emergency response role, this project would help us maintain our reliability.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase					\$ 40,250	\$ 40,250
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 40,250	\$ 40,250
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation					\$ 40,250	\$ 40,250
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 40,250	\$ 40,250

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: SCBA Replacment

DATE SUBMITTED: Oct 16, 2017

DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue					
Department Contact:	Duane Nichols					
Fiscal Year(s) Requested:	FY19 <input type="checkbox"/>	FY20 <input type="checkbox"/>	FY21 <input type="checkbox"/>	FY&2 <input type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input checked="" type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

This project would replace six outdated self contained breathing apparatus (SCBA units and spare bottles), and replace ten of out of date cylinders. Presently, all our units are equipped with SCBA's to provide responders with respiratory protection as they could respond to many types of calls where respiratory protection is needed. We have not replaced SCBA units in several years. Presently we are in good shape for SCBA's but in a few years we will be falling behind in terms of both technology and safety for our personnel. This project would allow all "First Due" firefighters to have self contained breathing apparatus that meets current standards

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Currently the Department is using a mix of compliant and non compliant self contained breathing apparatus. Several of our spare bottles will be out of date and need to be removed from service.

Cost to Maintain:

The cost to maintain and test new units is approximately \$1,000 per year, our older units cost to maintain is much higher. This is based on the cost of replacement parts as the units age.

Describe all Benefits and/or Savings:

Although there would be savings in maintenance cost, the primary benefit is that we would be providing consistent and compliant equipment to our first responders' safety.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings					\$ 95,000	\$ 95,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 95,000	\$ 95,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation					\$ 95,000	\$ 95,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 95,000	\$ 95,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: UPS Battery Replacement (Police Station)

DATE SUBMITTED: 10/20/2017

DEPARTMENT PROJECT INFORMATION

Department: **Information Technology Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

We are reaching the end of the life for the batteries for our Uninterrupted Power Supplies (UPS) at the Police Station. The UPS acts as an intermediary between vital equipment and the electrical hookups. If the building loses power even a blip in power our equipment would also lose power and shut down. This equipment includes our data and VoIP devices, as well as the Server System platform. These are all vital components to perform our duties and serve the public and other public safety agencies. We have two UPS units that cover the equipment in the second floor's server room and one UPS unit in the first floor IDF. To avoid any data losses or service interruption during power failures it is imperative to maintain the units and replace the batteries.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

An Uninterrupted Power Supply is the vital component to maintain operations during a power failure or interruption. Failure to maintain the system might cause inability to work and/or data losses.

Cost to Maintain:

UPS life expectancy is 10 years. A replacement of the system will be needed in 4 years.

Describe all Benefits and/or Savings:

The purchase of new batteries will cover the cost of the batteries, installation, freight and disposal of old ones This UPS unit also protects all systems within the Police Station.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 15,000					\$ 15,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 15,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 15,000

Financing Sources

Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 15,000					\$ 15,000
TOTALS	\$ 15,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 15,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: WAN Switches Update - City

DATE SUBMITTED: 10/20/2017

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

In order to maintain the City's Fiber Loop operational on a reliable and resilient manner, some of the main Wide Area Network (WAN) HP switches need to be upgraded to the latest chassis version and equipped with the most updated modules. There are three main sites in the Fiber Loop, the Municipal Building, Fire/Dispatch Building and Northampton High School and twenty-three secondary sites which cover all municipal dependencies and enterprises.

This request address the need for replacing the Core Switches at the Municipal Building and seven other sites within the City Network, as well as other related equipment within those sites. The ITS department will prioritize the replacement of these devices by evaluating current performance issues and operational concerns

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Once implemented, the WAN connectivity will be reliable during normal and disaster recovery conditions. All City operations depend highly on the WAN reliability and performance.

Cost to Maintain:

Equipment includes lifetime warranty, parts replacement is included. ITS staff spend several hours per week monitoring and maintaining WAN performance. Life expectancy is seven years.

Describe all Benefits and/or Savings:

City operations rely on the continuous performance of the WAN connectivity. Internet, VoIP phones, Munis, cloud-based applications, document management, file shares and other day to day functions depend heavily on the performance of the switches that power the WAN. Staff productivity is positively impacted by the work performed by this equipment. This project has been planned for deploying the replacements over four (years), starting on FY2018. All labor to be performed by ITS Staff.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 40,200	\$ 25,800	\$ 25,800			\$ 91,800
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 40,200	\$ 25,800	\$ 25,800	\$ 0	\$ 0	\$ 91,800
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 40,200	\$ 25,800	\$ 25,800			\$ 91,800
TOTALS	\$ 40,200	\$ 25,800	\$ 25,800	\$ 0	\$ 0	\$ 91,800

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: WAN Switches Update - NPS

DATE SUBMITTED: 10/20/2017

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

In order to maintain the City's Fiber Loop operational on a reliable and resilient manner, some of the main Wide Area Network (WAN) HP switches need to be upgraded to the latest chassis version and equipped with the most updated modules. There are three main sites in the Fiber Loop, the Municipal Building, Fire/Dispatch Building and Northampton High School and twenty-three secondary sites which cover all municipal dependencies and enterprises.

This request address the need for replacing the Core Switches at the Middle School and all four Elementary Schools, as well as other related equipment within those sites. The ITS department will prioritize the replacement of these devices by evaluating current performance issues and operational concerns

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Once implemented, the WAN connectivity will be reliable during normal and disaster recovery conditions. All City operations depend highly on the WAN reliability and performance.

Cost to Maintain:

Equipment includes lifetime warranty, parts replacement is included. ITS staff spend several hours per week monitoring and maintaining WAN performance. Life expectancy is seven years.

Describe all Benefits and/or Savings:

City operations rely on the continuous performance of the WAN connectivity. Internet, VoIP phones, Munis, cloud-based applications, document management, file shares and other day to day functions depend heavily on the performance of the switches that power the WAN. Staff productivity is positively impacted by the work performed by this equipment. Deployment is planned over four (years), starting on FY2018. All labor to be performed by ITS Staff. Some of these units are ineligible for eRate funding.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 35,300	\$ 20,900	\$ 20,900			\$ 77,100
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 35,300	\$ 20,900	\$ 20,900	\$ 0	\$ 0	\$ 77,100
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 35,300	\$ 20,900	\$ 20,900			\$ 77,100
TOTALS	\$ 35,300	\$ 20,900	\$ 20,900	\$ 0	\$ 0	\$ 77,100

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: WAN Switches Update - Public Safety

DATE SUBMITTED: 10/20/2017

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

In order to maintain the City's Fiber Loop operational on a reliable and resilient manner, some of the main Wide Area Network (WAN) HP switches need to be upgraded to the latest chassis version and equipped with the most updated modules. There are three main sites in the Fiber Loop, the Municipal Building, Fire/Dispatch Building and Northampton High School and twenty-three secondary sites which cover all municipal dependencies and enterprises.

This request address the need for replacing the Core Switch at the Police Station and Florence Fire station, as well as other related equipment, within those sites. The ITS department will prioritize the replacement of these devices by evaluating current performance issues and operational concerns

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Once implemented, the WAN connectivity will be reliable during normal and disaster recovery conditions. All City operations depend highly on the WAN reliability and performance.

Cost to Maintain:

Equipment includes lifetime warranty, parts replacement is included. ITS staff spend several hours per week monitoring and maintaining WAN performance. Life expectancy is seven years.

Describe all Benefits and/or Savings:

City operations rely on the continuous performance of the WAN connectivity. Internet, VoIP phones, Munis, cloud-based applications, document management, file shares and other day to day functions depend heavily on the performance of the switches that power the WAN. Staff productivity is positively impacted by the work performed by this equipment. Deployment is planned over two (years), starting on FY2019. All labor to be performed by ITS Staff.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 10,600	\$ 13,700				\$ 24,300
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 10,600	\$ 13,700	\$ 0	\$ 0	\$ 0	\$ 24,300
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 10,600	\$ 13,700				\$ 24,300
TOTALS	\$ 10,600	\$ 13,700	\$ 0	\$ 0	\$ 0	\$ 24,300

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE:

DATE SUBMITTED:

DEPARTMENT PROJECT INFORMATION

Department: _____

Department _____

Contact: _____

Fiscal Year(s) Requested: _____

FY19	FY20	FY21	FY&2	FY23
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Department _____

Critical	High	Medium	Low
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Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Cost to Maintain:

Describe all Benefits and/or Savings:

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						
Design - Engineering						
Site Acquisition						
Site Improvements						
Construction						
Inspection Services						
Equipment & Furnishings						
Vehicle Purchase						
Other						
Contingency						
TOTALS						
Financing Sources						
Lease-Purchase						
Water Enterprise Funds						
Sewer Enterprise Funds						
Solid Waste Enterprise Funds						
Storm Water Enterprise Funds						
State / Federal Grants						
Sale of Surplus Property						
CPA						
Other (specify)						
City Appropriation						
TOTALS						

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Police Station Building Video System

DATE SUBMITTED: 10/20/2017

DEPARTMENT PROJECT INFORMATION

Department: **Information Technology Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

We are reaching the end of the life for the Video System at the Police Station. The existing equipment was installed during the station's construction and provides capabilities to the detention area, hallways and other critical areas. Over the years, some of the equipment has been replaced and we have the main controllers and storage devices that need to be replaced before any failure.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The video system is critical for the safety and security of the facilities, as well as the Police Department staff.

Cost to Maintain:

Life expectancy of this equipment is five to seven years, maintenance and monitoring is performed by Police and IT Services staff.

Describe all Benefits and/or Savings:

New equipment will represent an enhancement of the quality and capacity of the existing equipment.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 66,800					\$ 66,800
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 66,800	\$ 0	\$ 0	\$ 0	\$ 0	\$ 66,800
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 66,800					\$ 66,800
TOTALS	\$ 66,800	\$ 0	\$ 0	\$ 0	\$ 0	\$ 66,800

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: City Server System Replacement

DATE SUBMITTED: 10/20/2017

DEPARTMENT PROJECT INFORMATION

Department: **Information Technology Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Replace the City's server system, including:

- Hardware: currently Nutanix NX-1365G4
- Software: currently using a combination of Windows Server license and Nutanix subscriptions.

The current system will be five years old by 2021 and will need to be replaced with a similar hardware/software platform.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Essential equipment to continue to operate in an effective and efficient manner, as well as keeping pace with ever-changing technology.

Cost to Maintain:

Life expectancy of this equipment is five to seven years. The cost of support services is between 15% and 20%

Describe all Benefits and/or Savings:

Current system reduces the need for individual servers and storage devices by concentrating all functions in one efficient unit that performs better and is scalable.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings				\$ 150,000		\$ 150,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 150,000	\$ 0	\$ 150,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation				\$ 150,000		\$ 150,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 150,000	\$ 0	\$ 150,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: NPD Server System Replacement

DATE SUBMITTED: 10/20/2017

DEPARTMENT PROJECT INFORMATION

Department: **Information Technology Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Replace the Police Department's Public Safety server system, including:

- Hardware: currently Nutanix NX-1365G4
- Software: currently using a combination of Windows Server license, VMWare and VEEAM subscriptions.

The current system will be five years old by 2021 and will need to be replaced with a similar hardware/software platform.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Essential equipment to continue to operate in an effective and efficient manner, as well as keeping pace with ever-changing technology.

Cost to Maintain:

Life expectancy of this equipment is five to seven years. The cost of support services is between 15% and 20%

Describe all Benefits and/or Savings:

Current system reduces the need for individual servers and storage devices by concentrating all functions in one efficient unit that performs better and is scalable.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings			\$ 150,000			\$ 150,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 150,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 150,000			\$ 150,000
TOTALS	\$ 0	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 150,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: NPS Server System Replacement

DATE SUBMITTED: 10/20/2017

DEPARTMENT PROJECT INFORMATION

Department: **Information Technology Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Replace multiple server platforms distributed through the six school buildings. The purpose of this project is manifold, first we need to modernize the current hardware/software server infrastructure to make it more efficient, scalable and reliable; second we need to utilize the existing fiber network to centralize the computing at the two better prepared buildings; third we need to increase the capacity to host redundant systems to reduce the down time and lack of functionality due to system failures.

The newest systems were deployed in 2016 and will need to be replaced within four to five years. As we continue improving the infrastructure, we may need to revise the projected time-line for implementation.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Essential equipment to continue to operate in an effective and efficient manner, as well as keeping pace with ever-changing technology.

Cost to Maintain:

Life expectancy of this equipment is five to seven years. The cost of support services is between 15% and 20%

Describe all Benefits and/or Savings:

Existing systems, even when functional, have very little capacity for redundancy creating the opportunity for sporadic down time with long response time instances. By replacing most of the existing individual servers with a more modern hyper-convergence platform the District will benefit by having a more steady user experience and less systems down time.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings					\$ 120,000	\$ 120,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 120,000	\$ 120,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation					\$ 120,000	\$ 120,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 120,000	\$ 120,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: UPS Systems Replacement

DATE SUBMITTED: 10/20/2017

DEPARTMENT PROJECT INFORMATION

Department: **Information Technology Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The life expectancy for an Uninterrupted Power Supplies (UPS) is 10 years. The UPS acts as an intermediary between vital equipment and the electrical hookups. If the building loses power even a blip in power our equipment would also lose power and shut down. This equipment includes our business phones, radio systems, and computers. These are all vital components to perform our duties and serve the public and other public safety agencies. We have one UPS that cover the equipment in the dispatch center, one UPS in our radio room that connects all radio (police, fire, schools, DPW, area agencies) to our dispatch radios and one at the Florence Fire station. We purchased 2 new UPS' in July 2011 in an emergency situation where the UPS in Dispatch failed. To avoid another emergency purchase it is imperative to replace the units

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Not replacing the UPS can result in another emergency purchase without any notice. When the UPS failed in 2011, all operations including radio ceased creating a hazardous situation for responders.

Cost to Maintain:

Battery replacement will need to happen approximately 5 years after purchase of the UPS. Currently batteries for all three units are approximately \$15,000. Placement of the system will be needed in 4 years.

Describe all Benefits and/or Savings:

This UPS system protects the main Hub for City's WAN and Telecommunications. An updated UPS System will ensure steady operations during disaster recovery situations.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings				\$ 35,000		\$ 35,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 35,000	\$ 0	\$ 35,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation				\$ 35,000		\$ 35,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 35,000	\$ 0	\$ 35,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: School Bus Replacement

DATE SUBMITTED: 10/17/17

DEPARTMENT PROJECT INFORMATION

Department:	NPS						
Department Contact:	Candice Walczak						
Fiscal Year(s) Requested:	FY19 <input type="checkbox"/>	FY20 <input checked="" type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY&2 <input checked="" type="checkbox"/>	FY23 <input type="checkbox"/>		
Department Priority:	Critical <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>			
Type of Project:	Vehicle <input checked="" type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>		

PROJECT DESCRIPTION

NPS operates 3 buses on a daily basis, and retains 2 buses as spares. Because these vehicles transport students on multiple tiers, 180 days per year, it is important that they be in good condition. The School Dept has been working with the Capital Committee to more regularly replace them. Partial funding comes from the Bus Revolving (fees) account.

An option in lieu of having our own vehicles is to contract out the transportation, but this can easily cost \$200 per day or more, depending on the type of vehicle and the length of the routes.

NPS has purchased 2 new buses in the past 3 years, funding one fully from it's bus revolving account and one thru shared funding with a capital appropriation. Both vehicles were wheelchair mini-buses, giving us more in-house capacity around wheelchair transportation needs. The goal is to have all vehicles be wheelchair mini-buses as we move forward. As of now, 4 out of our 5 are wheelchair vehicles.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not replaced, the current vehicles will continue to get older and incur more mileage, requiring more repairs and possibly more breakdowns. Currently, our two oldest buses serve as spares.

Cost to Maintain:

A new vehicle will cost substantially less than older vehicles, but there will still be ongoing maintenance costs for any bus. All IC buses come with a 5 year warranty on the body and engine.

Describe all Benefits and/or Savings:

- Less maintenance costs and less breakdown time and inconvenience
- A newer vehicle for transporting students

NOTE: We moved the timeline for replacement out from FY19 to FY20 based on the condition of the fleet. We will continue to monitor such going forward to see if later years can be pushed out.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings		\$ 110,000	\$ 120,000	\$ 125,000		\$ 355,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 110,000	\$ 120,000	\$ 125,000	\$ 0	\$ 355,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)		\$ 55,000	\$ 55,000	\$ 55,000		\$ 165,000
City Appropriation		\$ 55,000	\$ 65,000	\$ 70,000		\$ 190,000
TOTALS	\$ 0	\$ 110,000	\$ 120,000	\$ 125,000	\$ 0	\$ 355,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Food Service Delivery Van

DATE SUBMITTED: 10/17/17

DEPARTMENT PROJECT INFORMATION

Department:	NPS									
Department Contact:	Candice Walczak									
Fiscal Year(s) Requested:	FY19	<input checked="" type="checkbox"/>	FY20	<input type="checkbox"/>	FY21	<input type="checkbox"/>	FY&2	<input type="checkbox"/>	FY23	<input type="checkbox"/>
Department Priority:	Critical	<input type="checkbox"/>	High	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input checked="" type="checkbox"/>	Equipment	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input type="checkbox"/>

PROJECT DESCRIPTION

NPS currently operates a delivery van that drives between schools delivering meals and supplies. The current vehicle is a 2003 Chevy Express Van, with approx 76,000 miles on it. Although the mileage is not extremely high, the driving is all short distances which is harder on a vehicle. The van delivers prepared food between schools on a partial satellite meal program, and delivers food and non-food supplies, approximately 180 days per school year.

Rust is starting to form around the doors and the tires. Mechanically, we replaced the fuel line last year and are not aware of any large repairs that are needed. The van is 14 years old, and unexpected repairs become a way of life with older vehicles.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If the vehicle needed to be out of service, we might need to rent a vehicle to transport food and supplies on school days.

Cost to Maintain:

There should be less repair work on a new vehicle.
Regular routine inspections, maintenance, and gasoline will still be incurred.

Describe all Benefits and/or Savings:

- Lower maintenance costs
- Better reliability for deliveries

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase	\$ 27,000					\$ 27,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 27,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 27,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 27,000					\$ 27,000
TOTALS	\$ 27,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 27,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Vehicle Replacement Plan

DATE SUBMITTED: 10/23/2017

DEPARTMENT PROJECT INFORMATION

Department:	Treasurer/Collector/Parking						
Department Contact:	Kristine Bissell						
Fiscal Year(s) Requested:	FY19 <input type="checkbox"/>	FY20 <input type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input type="checkbox"/>		
Department Priority:	Critical <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>			
Type of Project:	Vehicle <input checked="" type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>		

PROJECT DESCRIPTION

Rolling replacement of Parking Enforcement vehicles over a two year period. Both 2015 Nissan Leaf - electric vehicles were purchased in December 2014. The target dates for a rolling replacement of the vehicles is FY21 and FY22. The vehicles are powered by lithium ion batteries which have a limited service life. Manufacturer states it is expected all lithium ion batteries will experience a reduction in the amount of charge it can hold over time. Manufacturer expects the vehicle to retain 9 or more bars of capacity through 5 years of normal use, dependent upon individual usage and operating environment (cold weather effects rate of capacity loss). The maximum number of bars is 12. The 5 year/60,000 mile warranty does not cover loss of battery capacity due to or resulting from gradual capacity loss, (i.e. aging). Rolling replacement in FY21 and FY22 will replace these vehicles in the 7-8 year range. Should the battery need to be replaced as it ages the cost is significant, currently \$6K per vehicle. There would be little value in attempting to sell as surplus property at that point.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Vehicles are necessary to the daily operations of the Parking Dept. EVs are excellent but not instituting a rolling plan may result in high battery replacement costs or complete loss of vehicle use. Both would negatively impact citywide parking controls and revenue realized from parking receipts.

Cost to Maintain:

\$6,000 replacement cost per battery for old vehicles.

Describe all Benefits and/or Savings:

MA provided a grant toward the purchase of the current vehicles. Although grant funding is not guaranteed MA strongly supports the use of EV vehicles and has continued to provide grants for vehicles and charging stations. The use of EV vehicles eliminated gasoline costs for parking enforcement and reduced overall maintenance costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 2022	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase			\$ 29,000	\$ 29,000		\$ 58,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 29,000	\$ 29,000	\$ 0	\$ 58,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Fitzgerald Lake Dam

DATE SUBMITTED: 10/17/17

DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

Department Contact: **Wayne Feiden (wfeiden@northamptonma.gov)**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Fitzgerald Lake Dam received a major renovation in 1998, largely with a state grant. If these relatively small improvements can be made in a timely fashion, the dam should be good for at least two more decades:

Specifically:

1. Bring in rocks on the side of the earthen dam facing the water to prevent erosion, as recommended in an outside engineering inspection.
2. Fill ruts in the top of the dam, which allows water to enter the dam, as recommended by an outside engineering inspection.
3. Address a beaver dam on the downgradient side of the dam that threatens to undermine the dam.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Could dramatically reduce the life of the dam, especially if a large storm event occurs. With climate change there is a greater risk of such storm events.

Cost to Maintain:

No additional cost over the current dam.

Describe all Benefits and/or Savings:

The City has spent over \$10,000 in the couple of years addressing the worst of the potential dam erosion. Doing the work all at once will prolong the life of the dam and be more cost effective than a series of small projects.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 45,000					\$ 45,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 45,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 45,000					\$ 45,000
TOTALS	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 45,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Rail/Multiuse Trails

DATE SUBMITTED: 11/29/2017

DEPARTMENT PROJECT INFORMATION

Department:	Planning and Sustainability						
Department Contact:	Wayne Feiden						
Fiscal Year(s) Requested:	FY19 <input type="checkbox"/>	FY20 <input type="checkbox"/>	FY21 <input type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY24 <input checked="" type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>			
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input checked="" type="checkbox"/>	Other <input type="checkbox"/>		

PROJECT DESCRIPTION

The City has invested in an 11 mile rail trail system which receives very heavy recreation and transportation use. The proposed project is to expand both the New Haven/Northampton (Manhan) Rail Trail and the MassCentral Rail Trail and add a new Connecticut River Greenway trail.

Transportation by rail trail creates far less financial and physical impacts on the city's road system than single-occupancy motor vehicles trips, creating a net savings for the city over the life of the project.

We are requesting design-only funding, that makes us eligible for grant funded construction funding. A small city investment will leverage a huge investment of state and federal funds.

These funds help leverage matching CPA funds.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Vehicle trips will continue to rise, creating more stress on the road system and more future maintenance and capital costs, more fuel and greenhouse gas emissions, and less choice.

Cost to Maintain:

Approximately \$1,000 per year, significantly less than the same number of trips done by single occupancy motor vehicles.

Describe all Benefits and/or Savings:

Less traffic on roads, creating less wear and tear on those surfaces. Healthier citizens, creating less impact on our health systems. Less greenhouse gas emissions, reducing climate change effects. Stronger attractiveness to Northampton, generating more tax benefits and economic vibrancy. Real estate values are significantly higher adjacent and near rail trails and open space than away from those resources.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering		\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 80,000
Site Acquisition		\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 160,000
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 240,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 240,000
TOTALS	\$ 0	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 240,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Tax Title Takings

DATE SUBMITTED: 10/10/2017

DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

Department Contact: **Wayne Feiden (wfeiden@NorthamptonMA.gov)**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Each year the city evaluates properties that are so far behind on taxes that they have fallen into tax title. Some of these are best handled through the formal tax title court process or obtaining deed in lieu of foreclosure. Some of these properties are best handled by purchasing the properties, with the proceeds coming directly back to the city and paying off the back taxes.

The requested funds are to cover the purchase of tax title properties with funds being used to pay off the back taxes and associated soft costs, so there is virtually no long term cost to the city.

Sometimes, these can be purchased with CPA funds, but many of the purchases are either not eligible for CPA funds or do not address CPA priorities.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The tax title list will not be reduced as much as it can be and properties that meet public goals for acquisition will not be acquired.

Cost to Maintain:

\$200/year

Describe all Benefits and/or Savings:

Puts the tax levy back on properties that are actually paying taxes, not on properties that will never pay, increasing city tax collection by many times the cost of maintaining property leaving the tax roles.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Comprehensive Planning Implementation

DATE SUBMITTED: 10/10/2017

DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

Department Contact: **Wayne Feiden (wfeiden@NorthamptonMA.gov)**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The City will be updating its comprehensive plan in 2018. Starting in 2019 we want to implement the "low hanging fruit" that come out of the plan and leverage larger investments. This funding will allow us do that and leverage several times the value of this investment.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The City will lose its ability to move forward on the comprehensive plan and leverage investments and improvements identified by the City.

Cost to Maintain:

\$200/year

Describe all Benefits and/or Savings:

Create projects that leverage outside funding to Northampton, increase the quality of life and economic development which in turn leverage outside investments, jobs, and taxes.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000
TOTALS	\$ 0	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Animal Control Van

DATE SUBMITTED: 10/13/17

DEPARTMENT PROJECT INFORMATION

Department: **Police**

Department Contact: **Chief Jody Kasper**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

One new animal control van to be equipped with various crates, traps and other necessary equipment necessary for this position. The current vehicle is a 2009 Toyota Sienna with 90,500 miles on it and the vehicle will have 100,000 miles on it by the time a new one could be in service. The ACO vehicle needs to contain cages and a wide variety of other equipment specific to the job of the ACO. If the vehicle is in a major accident, or even when it's out for repair, we have no back-up. Our plan with the purchase of a new ACO vehicle is to keep the old van as part of our fleet and have it as a back up vehicle for the ACO.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Loss of this vehicle would hinder the ACO's ability to pick-up and transfer animals to various locations.

Cost to Maintain:

Maintenance costs would be paid out of the Animal Control Account.

Describe all Benefits and/or Savings:

- Transportation of all sick/injured animals completed in one vehicle dedicated for such use.
- Containment of odor, sanitation issues and disease control to one vehicle.
- Containment of special equipment necessary for handling calls for service.
- Timely response to calls after hours in order to assist patrol officers with animal issues.
- Fully marked vehicle is easily identifiable by the public and provides emergency lights for safety.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 8,500					\$ 8,500
Vehicle Purchase	\$ 33,000					\$ 33,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 41,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 41,500
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Protective Equipment & Training

DATE SUBMITTED: 10/13/17

DEPARTMENT PROJECT INFORMATION

Department: **Police**

Department Contact: **Chief Jody Kasper**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Fund the acquisition of tactical related equipment and training costs, including but not limited to:

- protective helmets with face shield visors
- bio/chemical gas masks with bio and chemical filters
- mutual aid/large incident training (overtime, registration fees) and equipment
- crowd control, plexiglass shields and training (overtime, registration fees)
- tactical training (overtime, registration fees) including scenarios that involve active shooter situations
- disposable, basic bio/chem protective suits; high visibility vests for use over protective suits
- tactical weaponry, special equipment and munitions
- less lethal options equipment and dispersement agents
- "Go Bags" for active shooter situations

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Training is imperative in order to effectively handle demonstrations/active shooter/multi-hazard situations. Related equipment is important to protect the public and police personnel.

Cost to Maintain:

All replacement/new items would be purchased through capital improvements.

Describe all Benefits and/or Savings:

See attached.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 30,000		\$ 30,000		\$ 30,000	\$ 90,000
Vehicle Purchase						\$ 0
Other	\$ 45,000		\$ 45,000		\$ 45,000	\$ 135,000
Contingency						\$ 0
TOTALS	\$ 75,000	\$ 0	\$ 75,000	\$ 0	\$ 75,000	\$ 225,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Playing Field Improvements

DATE SUBMITTED: 10/19/2017

DEPARTMENT PROJECT INFORMATION

Department: **Parks & Recreation (in collaboration with School Dept. & DPW Parks Div.)**

Department Contact: **Ann-Marie Moggio, Parks & Recreation Director**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

This is a collaborative effort to provide ongoing maintenance on areas that receive heavy use by both school teams and city youth and adult programs. For instance, the baseball and softball fields at Northampton High School and the baseball field at Veterans Field are used April through beginning of June by the high school teams, but they also get uses by other community teams from May through August. Veterans Field is used through October. This funding will allow the departments to work together on maintenance needs resulting from hundreds of hours of use.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

This will benefit many of our youth and adults of the community. Poor field conditions result in fields having to be shut down and programs having to move around or be discontinued.

Cost to Maintain:

Describe all Benefits and/or Savings:

Our community has a wide variety of extracurricular activities. This has resulted in a high, and sometime, overuse of fields. Many fields are used by both high school teams as well as community recreational teams. Ongoing maintenance is always a struggle with budget constraints as one of the reasons. This will allow for the DPW Parks Division and the School Department maintenance division to work together on fields that are used extensively throughout the year.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements	\$ 15,000					\$ 15,000
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 15,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 15,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 15,000					\$ 15,000
TOTALS	\$ 15,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 15,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Boilers - Building A

DATE SUBMITTED: 10/2017

DEPARTMENT PROJECT INFORMATION

Department: **Smith Vocational and Agricultural High School**

Department Contact: **Dr. Andrew Linkenhoker, Superintendent**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY22** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The two (2) Lochinvar boilers located in Building A have surpassed their expected years of service. Installed in 2004, they were at the time a new generation of high efficiency gas boilers. Unfortunately, they have been plagued with numerous issues. These boilers are no longer supported by the manufacturer and the parts are increasingly hard to find. During the last five years boiler #1 has had several issues that required the boiler to be taken off line. The repair costs have been in the five thousand dollar range every time. It is time to replace these boilers with a new dependable system.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended, Building A will not have a dependable heating system. Smith Vocational will continue to have high repair costs to maintain the existing boilers. Should one of the boilers shut-down SVAHS will be forced to close during repairs.

Cost to Maintain:

P/M cost would be minimal and part of Smith Vocational's boiler maintenance program.

Describe all Benefits and/or Savings:

If recommended, Building A will have a dependable heating system for our educational mission and will protect Building A from any additional repairs if the boiler failed during the winter months. A new dependable boiler system would ensure adequate heat and hot water for the regional shelter.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 2022	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 165,000					\$ 165,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 165,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 165,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 165,000					\$ 165,000
TOTALS	\$ 165,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 165,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Window Replacement Building A & B

DATE SUBMITTED: 10/2017

DEPARTMENT PROJECT INFORMATION

Department: **Smith Vocational and Agricultural High School**

Department Contact: **Dr. Andrew Linkenhoker, Superintendent**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY22** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

As a result of the performance contract auditors agreed that the windows in both Building A and B need to be upgraded in the future. However, the payback was too long so Con-Ed dropped it from their list. Building A windows were installed in 1976 and only four have been replaced (along either side of front doors). Building B windows are all originally installed in 1976 but have yet to be replaced. Temporary measures to correct draft problems will suffice until funds are available to replace these windows. The windows need weather stripping, repair to the closing mechanisms and window locks. SVAHS Trustees want this project to remain on the CIP until completed. An estimate of \$260,000 covers the cost of the window replacement and asbestos removal found in the caulking of the windows.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If recommended, students and staff would no longer deal with cold drafts, the windows would also create energy efficiency with the final outcome of saving the school money.

Cost to Maintain:

0

Describe all Benefits and/or Savings:

The windows currently in place no longer close and seal tightly. Gaps of up to 1" are common, staff need to go outside the building and push them closed, this does not guarantee a tight seal. The new windows would reduce the square ft. of glass/window and replace them with insulated panels instead. The windows themselves would be double-paned sealing windows.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 2022	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements	\$ 260,000					\$ 260,000
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 260,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 260,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 260,000					\$ 260,000
TOTALS	\$ 260,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 260,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Student Activity Vans

DATE SUBMITTED: 10/2017

DEPARTMENT PROJECT INFORMATION

Department: **Smith Vocational and Agricultural High School**

Department Contact: **Dr. Andrew Linkenhoker, Superintendent**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY22** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Smith Vocational High School maintains school activity vans used to transport students to and from work sites. Our aging current inventory is five vans that are 14 passenger vans, we would like to replace three (3) of them. The vans are 16 years old and in need of constant repair despite our growing needs of transporting students to work sites and athletics events (that do not need a full size bus).

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Reduce repair and maintenance costs. Will reduce the need to contract out for full size buses for small groups.

Cost to Maintain:

All costs would be absorbed by the facilities department, including fuel and regular maintenance cost.

Describe all Benefits and/or Savings:

The new vehicles would be reliable and would like to replace before they become a safety issue.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 2022	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase	\$ 150,000					\$ 150,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 150,000					\$ 150,000
TOTALS	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Roof Replacement - Building D

DATE SUBMITTED: 10/2017

DEPARTMENT PROJECT INFORMATION

Department: **Smith Vocational and Agricultural High School**

Department Contact: **Dr. Andrew Linkenhoker, Superintendent**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY22** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

SVAHS Officials have started the countdown that Building D roof will need to be replaced in 3 years. Building D was built in 1950 and the last time the roof was replaced was 1981 (30+ years ago.) With this project in mind, School Officials are considering the use of the Building D Facility in the long term. Building D no longer meets the curriculum space requirements for Carpentry, Electrical, and Machine Shop with a CAD/CAM Technology Lab. Expansion and redesign of work space would be viable only in a new building. At a minimum, the roof needs replacement.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If recommended it would offer a water tight building for 20 to 30 years.

If not recommended we will continue to patch and maintain until funds become available.

Cost to Maintain:

new roof = 0

Describe all Benefits and/or Savings:

SVAHS would not spend time and money patching existing leaks or contracting with outside vendors to replace the most degraded sections of roof.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 2022	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 400,000					\$ 400,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 400,000					\$ 400,000
TOTALS	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Wood Waste Disposal

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Public Works maintains a wood waste stockpiling site on Sylvester Road that serves as a processing area for City trees that have been removed due to storm damage or routine tree work. Wood is sorted by size, butt logs and brush are separated out, and the waste is ground for chips by the City's vendor.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Wood waste must be disposed of in an orderly and timely manner.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Wood waste must be disposed of in an orderly and timely manner.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Sidewalks

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department:	Public Works				
Department Contact:	Donna LaScaleia				
Fiscal Year(s) Requested:	FY19 <input checked="" type="checkbox"/>	FY20 <input checked="" type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY&2 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>
Department Priority:	Critical <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>	
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input checked="" type="checkbox"/>

PROJECT DESCRIPTION

A City-wide sidewalk assessment will be completed in early 2018. It will include priority project recommendations which will be reviewed and scheduled for implementation.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The City's sidewalks are deteriorating and need repair and/or upgrades.

Cost to Maintain:

Sidewalks have a 20-30 year life cycle with minor maintenance.

Describe all Benefits and/or Savings:

Provides safe pedestrian passage for City residents and visitors.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 150,000	\$ 150,000	\$ 175,000	\$ 175,000	\$ 200,000	\$ 850,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 150,000	\$ 150,000	\$ 175,000	\$ 175,000	\$ 200,000	\$ 850,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 150,000	\$ 150,000	\$ 175,000	\$ 175,000	\$ 200,000	\$ 850,000
TOTALS	\$ 150,000	\$ 150,000	\$ 175,000	\$ 175,000	\$ 200,000	\$ 850,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Street Resurfacing

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department:	Public Works				
Department Contact:	Donna LaScaleia				
Fiscal Year(s) Requested:	FY19 <input checked="" type="checkbox"/>	FY20 <input checked="" type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY&2 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>
Department Priority:	Critical <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>	
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input checked="" type="checkbox"/>

PROJECT DESCRIPTION

The City has 150 miles of roadway to maintain. There is a multi-million dollar backlog of paving projects to resurface City streets.

The City currently relies on both Chapter 90 funds and Capital Improvement funding for this work. The proposed budget assumes Chapter 90 funding remains unchanged at approximately one million dollars annually over the next five years. These Chapter 90 funds also support other roadway related projects.

Resurfacing projects for FY18 included segments of Park Hill Road and Ryan Road totaling 2.37 miles.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The DPW dedicates significant personnel, equipment and materials to repair potholes City-wide. Street resurfacing reduces expenses and labor related to potholes.

Cost to Maintain:

After resurfacing, the first five years requires crack sealing for maintenance and preservation as cracks appear. Depending on numerous factors, new pavement can last between 12-20 years.

Describe all Benefits and/or Savings:

Decrease in claims for vehicle damage. As part of resurfacing projects, DPW also evaluates traffic calming opportunities, bike lanes, and ADA accessibility.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Clement Street Bridge

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department:	Public Works					
Department Contact:	Donna LaScaleia					
Fiscal Year(s) Requested:	FY19 <input checked="" type="checkbox"/>	FY20 <input checked="" type="checkbox"/>	FY21 <input type="checkbox"/>	FY&2 <input type="checkbox"/>	FY23 <input type="checkbox"/>	
Department Priority:	Critical <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input checked="" type="checkbox"/>	

PROJECT DESCRIPTION

Prior year CIP funding has enabled the design of structural improvements to the Clement Street Bridge to be completed in FY18. Construction is anticipated to begin in the Spring of 2018. Additional funds are needed for the design of deck replacement in FY19. Reconstruction of the deck is anticipated in FY20-FY21.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

MassDOT inspects the bridge every six months instead of a two year standard cycle due to its rating downgrade. These repairs are needed to ensure structural integrity for the near term.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

The bridge serves nearly 3,000 vehicles per day.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 75,000					\$ 75,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 150,000				\$ 150,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 75,000	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 225,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 75,000	\$ 150,000				\$ 225,000
TOTALS	\$ 75,000	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 225,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Bates Tomb Improvements

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department:	Public Works									
Department Contact:	Donna LaScaleia									
Fiscal Year(s) Requested:	FY19	<input checked="" type="checkbox"/>	FY20	<input type="checkbox"/>	FY21	<input type="checkbox"/>	FY&2	<input type="checkbox"/>	FY23	<input type="checkbox"/>
Department Priority:	Critical	<input type="checkbox"/>	High	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>

PROJECT DESCRIPTION

Bates Tomb was constructed in 1875 of Nova Scotia limestone, and is one of Bridge Street Cemetery's most prominent features. In accordance with recommendations contained in the Bridge Street Cemetery Preservation Master Plan, this funding will allow for repairs to the skylight, roof tiles and mortar joints so that water will not be able to infiltrate the structure. Additionally, window openings will be repaired and the exterior stone surfaces will be cleaned. Funding sources will be the Bates Tomb and Lot Trust Fund and the Cemetery Trust and Income Fund.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Our cemeteries have significant historical value, and preserving them for future generations is of importance. Bates Tomb is an important structure within the Bridge Street Cemetery.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

City facilities of all kinds should be well maintained.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 50,000					\$ 50,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)	\$ 50,000					\$ 50,000
City Appropriation						\$ 0
TOTALS	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Cemetery Improvements

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

A Preservation Master Plan has been completed for Bridge Street Cemetery. The plan contains a listing of improvements including gravestone restoration, signage, fence upgrades and water line and roadway upgrades. A Preservation Master Plan for West Farms Road Cemetery and Park Street Cemetery will be completed by late 2017, and will contain a listing of similar improvements for those cemeteries. DPW will evaluate the recommendations for the three cemeteries and pursue restorative efforts as appropriate.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Our cemeteries have significant historical value, and preserving them for future generations is of importance.

Cost to Maintain:

Paid for in OM budget.

Describe all Benefits and/or Savings:

City facilities of all kinds should be well maintained.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Traffic Calming

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Traffic calming funds are used for roadway enhancements to encourage the reduction of vehicle speeds. Speed hump/table installation, crosswalk upgrades and line striping are examples of traffic calming measures that have been shown to be effective.

FY18 expenditures included Nonotuck Street speed humps, Ryan Road striping and crosswalks and fluorescent in-street pedestrian signs for City-wide crosswalk delineation.

A raised crosswalk on Nonotuck Street at Hinckley Street will be constructed in FY19 using these funds.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

City neighborhoods will be positively impacted by traffic calming measures which make streets safer for all residents.

Cost to Maintain:

Pavement markings must be maintained. Covered in OM.

Describe all Benefits and/or Savings:

Reduced traffic speeds and safer streets for pedestrians and bicyclists.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Traffic Signals

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

There are 24 signal controlled intersections City-wide. This is annual funding for typical maintenance expenses, which include video cards, control panels and LED bulbs.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Traffic signals require both preventative and emergency maintenance.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Vehicle and pedestrian safety at intersections is dependent upon functional signals.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: DPW Storage Facility

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Additional funding of up to \$500,000 is needed to construct a cold storage facility for vehicles and equipment in the DPW yard at 125 Locust Street. The storage facility will house heavy trucks and equipment for the highway, sewer and stormwater divisions. These funds will be added to encumbered funds from previous years to pay for all aspects of building construction. This represents the general fund contribution to construction.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Vehicles and equipment are currently stored outdoors and are degraded by sun and inclement weather. Shelter from the elements will help life expectancy.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Reduced maintenance costs on vehicles and equipment.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 500,000					\$ 500,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 500,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 500,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 500,000					\$ 500,000
TOTALS	\$ 500,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 500,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Stormwater Line Replacement

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Annual funding for Public Works to design and construct stormwater line replacements and to address infiltration and inflow problems in the system.

FY18 projects included drainage improvements on Day Avenue and Audubon Road made in conjunction with other utility and roadway reconstruction.

FY19 projects include Hinckley Street, which is already underway, and improvements to Burts Pit Road, Hampton Avenue and Chesterfield Road drainage.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Existing systems fail due to age or capacity constraints. New construction and replacement provides for the next generations of City residents.

Cost to Maintain:

New construction and replacement should provide for numerous decades of maintenance free uninterrupted service.

Describe all Benefits and/or Savings:

Systems that are under capacity will be upgraded thereby reducing street flooding. Reducing infiltration and inflow reduces clean water peak flows to the sewer, thereby reducing Wastewater Treatment Plant peak flows and treatment costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 650,000	\$ 610,000	\$ 700,000	\$ 695,000	\$ 575,000	\$ 3,230,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 650,000	\$ 610,000	\$ 700,000	\$ 695,000	\$ 575,000	\$ 3,230,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds	\$ 650,000	\$ 610,000	\$ 700,000	\$ 695,000	\$ 575,000	\$ 3,230,000
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 650,000	\$ 610,000	\$ 700,000	\$ 695,000	\$ 575,000	\$ 3,230,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Levee and Flood Control Assessment and Repair **DATE SUBMITTED:** 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The Army Corps of Engineers' required assessment work has been completed on the Mill River Diversion Channel and the Connecticut River Levee system. Projects are in development for levee toe drain review and vegetation control on both systems. The Flood Control Station pumps will also be assessed to determine what future improvements may be warranted.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Flood Control System must be maintained according to Army Corps standards.

Cost to Maintain:

Accounted for in operations and maintenance budget.

Describe all Benefits and/or Savings:

A flood control system in good working order.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: DPW Storage Building

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department:	Public Works									
Department Contact:	Donna LaScaleia									
Fiscal Year(s) Requested:	FY19	<input type="checkbox"/>	FY20	<input type="checkbox"/>	FY21	<input type="checkbox"/>	FY&2	<input type="checkbox"/>	FY23	<input type="checkbox"/>
Department Priority:	Critical	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>

PROJECT DESCRIPTION

Additional funding is needed to construct a cold storage facility for vehicles and equipment in the DPW yard at 125 Locust Street. The storage facility will house heavy trucks and equipment for the highway, sewer and stormwater divisions. These funds will be added to encumbered funds from previous years to pay for all aspects of building construction. This represents the stormwater enterprise contribution to construction.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Enterprise vehicles and equipment are currently stored outdoors and are degraded by sun and inclement weather. Shelter from the elements will help life expectancy.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Reduced maintenance costs on vehicles and equipment.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 25,000					\$ 25,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 25,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 25,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds	\$ 25,000					\$ 25,000
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 25,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 25,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Granular Activated Carbon

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Granular activated carbon in the filter beds at the Water Treatment Plant has a five year life cycle. A portion of the total replacement cost is set aside each year to allow for gradual accumulation of funds. Expected replacement schedule and cost is as follows:

FY20: \$225,000

FY21: \$225,000

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Gradual accumulation of funds allows costs to be amortized across several years.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Ensures regulatory compliance and high quality drinking water for the City.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Water Line Replacement

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Annual funding for Public Works to design and construct water pipeline replacement projects.

Recent projects include Hinckley Street, Audubon Road, North Maple Street, North Farms Road and Day Avenue.

FY19 projects include design and construction for water pipeline replacement on Damon Road, Villone Drive and Lower Chesterfield Road.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Water pipes fail predominately due to age. New infrastructure is a benefit for City residents and has lower future maintenance costs.

Cost to Maintain:

New construction is typically maintenance free.

Describe all Benefits and/or Savings:

Service disruption is reduced, response efforts for water main breaks are reduced, and under capacity systems are upgraded allowing for improved water flows and pressures.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Reservoir Construction

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Engineering studies of the City's drinking water supply reservoirs are completed. The Ryan, West Whately and Mountain Street Reservoirs have noted spillway deficiencies that need to be corrected. Projected engineering and construction costs are roughly \$10,000,000.

A project to provide interim repairs to the Ryan Reservoir spillway was completed in FY18.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Dams currently do not meet Office of Dam Safety requirements and may fail during large storm events.

Cost to Maintain:

Nominal inspection costs.

Describe all Benefits and/or Savings:

Solid infrastructure is key to a sustainable water supply.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	\$ 3,000,000	\$ 8,000,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	\$ 3,000,000	\$ 8,000,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds		\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	\$ 3,000,000	\$ 8,000,000
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 0	\$ 2,000,000	\$ 2,000,000	\$ 1,000,000	\$ 3,000,000	\$ 8,000,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Watershed Land Acquisition

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department:	Public Works									
Department Contact:	Donna LaScaleia									
Fiscal Year(s) Requested:	FY19	<input checked="" type="checkbox"/>	FY20	<input checked="" type="checkbox"/>	FY21	<input checked="" type="checkbox"/>	FY&2	<input checked="" type="checkbox"/>	FY23	<input checked="" type="checkbox"/>
Department Priority:	Critical	<input type="checkbox"/>	High	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>

PROJECT DESCRIPTION

Land acquisition is an important part of the Northampton Watershed Resource Protection Plan (WRPP), which is designed to protect raw water quality within the watersheds of the active drinking water reservoirs.

All parcels that are targeted for acquisition by the City are based on proximity to the reservoirs and their tributaries, and proximity to surface water protection zones. This funding is intended to enable acquisition of priority parcels as they become available. In FY18, the City purchased 117.3 acres of land in the Towns of Whately and Williamsburg within the watersheds of West Whately and Ryan Reservoirs.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The quality of the City's drinking water is greatly enhanced by healthy and well managed forests.

Cost to Maintain:

OM budget supports vegetation control and maintenance as needed.

Describe all Benefits and/or Savings:

Drinking water is a vital resource for the City. Public Works seeks to continue to maintain high water quality for future generations.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Water System Leak Detection

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The Massachusetts Department of Environmental Protection (DEP) requires that the City test its water distribution system for leaks every three years. The distribution system totals more than 150 miles. This funding is for contractor services for flow testing and sounding to comply with this mandate.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

This testing is part of maintaining the water distribution system in good working order.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Early leak detection and repair prevents more costly repairs in the future and decreases unaccounted for water.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services			\$ 25,000			\$ 25,000
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 25,000	\$ 0	\$ 0	\$ 25,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds			\$ 25,000			\$ 25,000
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 0	\$ 0	\$ 25,000	\$ 0	\$ 0	\$ 25,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Meter Replacement

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Annual funding for the water meter replacement program to replace meters at the end of their service life.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

New meters are able to help detect leaks and are manufactured to discourage meter tampering. They reduce non-revenue water usage and maintain highly accurate flow rates.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

An investment in new meters will help to ensure highly accurate billing.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 125,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 525,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 125,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 525,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds	\$ 125,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 525,000
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 125,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 525,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Radio Read Program

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Annual funding required to continue the purchase of radio read devices for water meter reading.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

This program enables automated water meter reading.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Reduces cost to read water meters.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Hydrant Replacement

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Annual funding for hydrant replacements to replace old and non-functional units.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Hydrants are crucial for fire protection for the City.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Fire protection for the City.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: WTP-Equipment Replacement

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Water Treatment Plant annual funding for planned and emergency work related to control and measuring equipment. FY18 projects included SCADA valve replacement and clarifier control panel upgrades.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Funding is needed to maintain the equipment needed for operation of the water treatment plant.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Successful operation of the water treatment plant.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Water Distribution System Equipment Replacement **DATE SUBMITTED:** 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department:	Public Works									
Department Contact:	Donna LaScaleia									
Fiscal Year(s) Requested:	FY19	<input checked="" type="checkbox"/>	FY20	<input checked="" type="checkbox"/>	FY21	<input checked="" type="checkbox"/>	FY&2	<input checked="" type="checkbox"/>	FY23	<input checked="" type="checkbox"/>
Department Priority:	Critical	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input checked="" type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input type="checkbox"/>

PROJECT DESCRIPTION

The water distribution system has sophisticated equipment used in the control of the system, including pumps and motors at various remote facilities across the City. This funding will allow for equipment replacement and replacement of control panels on pumps and motors, upgrades to SCADA equipment, and variable frequency drive (VFD) installation on the City's pump stations and wells. In FY19, this funding will support the installation of 1 VFD at Spring Street and 1 VFD at Clark Street.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Funding this item will allow for replacement of and improvement to equipment integral to the water distribution system.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

A comprehensive plan to maintain and improve our water distribution equipment is important to the integrity of the system.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 125,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 425,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 125,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 425,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds	\$ 125,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 425,000
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 125,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 425,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Audubon Road Water Tank Rehabilitation

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

The Audubon Road Tank is a 200,000 gallon water storage tank that is part of the Leeds Village High Pressure System. Constructed in 1935, the tank is in need of sandblasting and painting within the next five years. Additional near term improvements needed are security fencing, ladder guards, and electrical and electronic upgrades to control systems.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Audubon Tank is a key piece of the City's water distribution system.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Rehabilitation of the Audubon Tank will allow for years of uninterrupted service.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction				\$ 1,500,000		\$ 1,500,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 1,500,000	\$ 0	\$ 1,500,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds				\$ 1,500,000		\$ 1,500,000
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 1,500,000	\$ 0	\$ 1,500,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Transmission Main Rehabilitation

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department:	Public Works				
Department Contact:	Donna LaScaleia				
Fiscal Year(s) Requested:	FY19 <input checked="" type="checkbox"/>	FY20 <input checked="" type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY&2 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>
Department Priority:	Critical <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>	
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input checked="" type="checkbox"/>

PROJECT DESCRIPTION

The City currently has two transmission mains (20" and 36") that provide water from the Water Treatment Plant in Williamsburg to the distribution system. This funding is for relocation and replacement of the 20" main, which is more than 100 years old and largely travels through an inaccessible wetland area near the Beaver Brook.

Total probable design and construction cost for 20,200 linear feet of new 24" ductile iron water main will be \$9,860,000.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The 20" transmission main is one of the most critical pieces of water infrastructure that the City owns and maintains.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

A new transmission main will allow for many decades of maintenance free operation and provide reliable redundancy.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 1,200,000	\$ 1,200,000	\$ 2,500,000	\$ 1,800,000	\$ 6,700,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 1,200,000	\$ 1,200,000	\$ 2,500,000	\$ 1,800,000	\$ 6,700,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds		\$ 1,200,000	\$ 1,200,000	\$ 2,500,000	\$ 1,800,000	\$ 6,700,000
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 0	\$ 1,200,000	\$ 1,200,000	\$ 2,500,000	\$ 1,800,000	\$ 6,700,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: WTP Storage Building Construction

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Additional funding is needed to construct a storage building at the Water Treatment Plant in Williamsburg, for which permitting and design are complete. This 36'x72' building will allow for vehicle and equipment storage.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Enterprise vehicles and equipment are currently stored outdoors and are degraded by sun and inclement weather. Shelter from the elements will prolong life expectancy.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Reduced maintenance costs on vehicles and equipment.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 200,000					\$ 200,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 200,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds	\$ 200,000					\$ 200,000
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 200,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 200,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: WWTP and Pump Station Improvements

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department:	Public Works									
Department Contact:	Donna LaScaleia									
Fiscal Year(s) Requested:	FY19	<input checked="" type="checkbox"/>	FY20	<input checked="" type="checkbox"/>	FY21	<input checked="" type="checkbox"/>	FY&2	<input checked="" type="checkbox"/>	FY23	<input checked="" type="checkbox"/>
Department Priority:	Critical	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input checked="" type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Facility	<input checked="" type="checkbox"/>	Other	<input checked="" type="checkbox"/>

PROJECT DESCRIPTION

The City has completed a comprehensive evaluation of its wastewater collection and treatment needs, including the Wastewater Treatment Plant (WWTP) and remote pump stations. Projects phased over several years will address treatment process, code and permit compliance, and overhaul nearly all major mechanical and electrical infrastructure and systems.

As required by Massachusetts General Law, an Owner's Project Manager has been retained for the WWTP upgrades as of December 2017, and designer selection for Phase I upgrades will begin in early 2018. We anticipate construction of these initial upgrades to begin in late 2019. Pump station priority projects will also be evaluated.

There are several projects currently under construction, funded in prior years, including sludge pump replacements and the conversion from chlorine gas to hypochlorite, a safer, more desirable method of disinfection.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Failure of equipment at the wastewater treatment plant could lead to violations, penalties, and disruptions in service.

Cost to Maintain:

Accounted for in OM.

Describe all Benefits and/or Savings:

Upgrades will ensure compliance with federal and state regulations. Upgrades to certain equipment may have energy efficiencies. Worker safety issues will be addressed.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 500,000			\$ 2,000,000		\$ 2,500,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 10,000,000			\$ 10,000,000	\$ 20,000,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 500,000	\$ 10,000,000	\$ 0	\$ 2,000,000	\$ 10,000,000	\$ 22,500,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds	\$ 500,000	\$ 10,000,000		\$ 2,000,000	\$ 10,000,000	\$ 22,500,000
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 500,000	\$ 10,000,000	\$ 0	\$ 2,000,000	\$ 10,000,000	\$ 22,500,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Sewer Line Replacement & I/I Removal

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Annual funding for Public Works to design and construct sewer line replacements and lining to address infiltration and inflow (I/I) problems in the system.

FY18 projects included Hinckley Street and Day Avenue, rehabilitation of cross-country sewer main manholes, and I/I investigations.

FY19 projects will include Damon Road and Masonic Street to Center Street cross-country sewer.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Failure of existing systems is predominantly due to age. Replacement provides for the next generations of City residents, businesses and Public Works staff with low future maintenance costs.

Cost to Maintain:

New construction and replacement should provide several decades of maintenance free uninterrupted service.

Describe all Benefits and/or Savings:

Service disruption is reduced. Systems that are under capacity are upgraded reducing sewer overflows. Reducing inflow and infiltration reduces clean water peak flows to the sewer, thereby reducing Wastewater Treatment Plant peak flows and treatment costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 400,000	\$ 550,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,150,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 400,000	\$ 550,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,150,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds	\$ 400,000	\$ 550,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,150,000
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 400,000	\$ 550,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,150,000

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: WWTP Equipment Replacement

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Annual funding for replacement of equipment at the wastewater treatment plant. May be used for expenses such as replacing motors, pumps, blowers, and related treatment equipment.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Needed for the continued operation of the wastewater treatment plant.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Needed for the continued operation of the wastewater treatment plant.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: Sewer Distribution Equipment

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY19** **FY20** **FY21** **FY&2** **FY23**

Department Priority: **Critical** **High** **Medium** **Low**

Type of Project: **Vehicle** **Equipment** **Technology** **Facility** **Other**

PROJECT DESCRIPTION

Annual funding for equipment needed to maintain and operate the sewer system. The types of expenditures include CCTV camera equipment, trench shoring boxes, and confined space entry safety equipment.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Needed to maintain sewer system.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Needed to maintain sewer system.

City of Northampton Capital Plan FY19-FY23

PROJECT TITLE: DPW Storage Building

DATE SUBMITTED: 11/01/2017

DEPARTMENT PROJECT INFORMATION

Department:	Public Works									
Department Contact:	Donna LaScaleia									
Fiscal Year(s) Requested:	FY19	<input checked="" type="checkbox"/>	FY20	<input type="checkbox"/>	FY21	<input type="checkbox"/>	FY&2	<input type="checkbox"/>	FY23	<input type="checkbox"/>
Department Priority:	Critical	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>

PROJECT DESCRIPTION

Additional funding is needed to construct a cold storage facility for vehicles and equipment in the DPW yard at 125 Locust Street. The storage facility will house heavy trucks and equipment for the highway, sewer and stormwater divisions. These funds will be added to encumbered funds from previous years to pay for all aspects of building construction. This represents the sewer enterprise contribution to construction.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Enterprise vehicles and equipment are currently stored outdoors and are degraded by sun and inclement weather. Shelter from the elements will help life expectancy.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Reduced maintenance costs on vehicles and equipment.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2019	FY 2020	FY2021	FY 20&2	FY2023	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 75,000					\$ 75,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 75,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 75,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds	\$ 75,000					\$ 75,000
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 75,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 75,000

FY2019 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
General				
484	1984 International 540 Loader	Streets	John Deere 624	266,200.00
388	1988 International 530 Loader	Streets	John Deere 544	250,000.00
694	1994 Ford F-350 4X4 Dump	Streets	Ford F-550 4X4 Dump w/Sander	97,500.00
697	1997 Ford F-350 4X4 Utility	Streets	Ford F-350 4X4 Utility w/Liftgate	56,000.00
399	Vermeer Stump Grinder	Streets	Morbark Stump Grinder	82,500.00
400	2000 Ford F-350 4X4 Utility	Streets	Ford F-350 4X4 Utility w/Liftgate	56,000.00
597	1997 Ford F-350 4X4 Utility	Streets	Ford F-350 4X4 Utility w/Liftgate	56,000.00
102	2002 Ford Explorer 4X4	Engineering	Ford Explorer	35,000.00
				899,200.00
Water				
	Fleet Addition	Water	Ford F-550 4X4 Dump	97,500.00
207	Meter Reader Pickup	Water	Ford Ranger 4X4 Pickup	41,000.00
308	2008 Ford F-350 4X4 Pickup	Water	Ford F-350 4X4 Pickup w/Liftgate	53,000.00
				191,500.00
Solid Waste				
208	2008 Ford F-350 4X4 Pickup	Solid Waste	Ford F-350 4X4 Pickup w/Liftgate	53,000.00
				53,000.00
Sewer				
204	2004 Ford F-350 4X4 Pickup	WWTP	Ford F-350 4X4 Pickup w/Liftgate	53,000.00
402	2002 Ford Ranger 4X4 Pickup	WWTP	Ford F-350 4X4 Pickup w/Liftgate	53,000.00
	Fleet Addition	Sewer	Ford F-550 4X4 Dump	90,000.00
				196,000.00

FY2020 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
General				
791	1991 Ford Tractor 260c Mower	Streets	John Deere LCG/Rears Mower	79,000.00
907	2007 Ford F-750 Tree Truck	Streets	International 7400 Versalift	266,400.00
197	1997 Ford Dump	Streets	International 7400 Dump	175,000.00
1007	2007 Morbark 14" Brush Chipper	Streets	Morbark 15" Brush Chipper	75,500.00
605	2005 Elgin Sweeper	Streets	Elgin Sweeper (50% Stormwater)	122,750.00
789	1989 Dodge Flat Bed	Parks & Cem	Ford F-350 4X4 FlatBed	54,000.00
385	1985 Chevy K-30 4X4 FlatBed	Parks & Cem	Ford F-350 4X4 FlatBed	54,000.00
				826,650.00
Water				
106	2006 Ford F-350 4X4 Utility	Water	Ford F-350 4X4 Utility w/Liftgate	57,200.00
894	1994 John Deere 5400 (Mower)	Water	John Deere LCG/Rears Mower	78,500.00
				135,700.00
Stormwater				
605	2005 Elgin Sweeper	Stormwater	Elgin Sweeper (50% Streets)	122,750.00
				122,750.00
Sewer				
209	2009 Ford Ranger	WWTP	Ford F-350 4X4 Pickup w/Liftgate	54,500.00
401	Ford Crown Vic	Sewer	Ford F-350 4X4 Utility w/Liftgate	57,200.00
				111,700.00

FY2021 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
General				
389	1989 International 515B Loader	Streets	John Deere 544 Loader	260,400.00
101	2001 Ford F-350 Compressor Truc	Streets	Ford F-450 Compressor Truck	99,500.00
300	2000 New Holland (Side Arm)	Streets	John Deere 6105E MFWD	174,000.00
687	1987 Chevy K-30 4X4 Dump	Parks & Cem	Ford F-550 4X4 Dump	92,000.00
504	2004 Ford F-350 Pickup	Parks & Cem	Ford F-350 4X4 Utility w/Liftgate	57,200.00
	Fleet Addition	Parks & Cem	John Deere Utility Backhoe	60,000.00
				743,100.00
Water				
205	John Deere 410-G 4X4 Backhoe	Water	John Deere 410L 4X4 Backhoe	132,500.00
107	2007 Ford Ranger 4X4	Water	Ford Ranger 4X4 Pickup	43,500.00
				176,000.00
Sewer				
105	John Deere 410-G 4X4 Backhoe	Sewer	John Deere 410L 4X4 Backhoe	132,500.00
807	Atlas Compressor	Sewer	Air Compressor	41,000.00
				173,500.00

FY2022 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
General				
391	1991 John Deere Backhoe	Streets	John Deere 410L 4X4 Backhoe	150,000.00
487	1987 Chevy K-30 4X4 Dump	Streets	Ford F-550 4X4 Dump	98,000.00
707	2007 L-9500 Dump/Sander	Streets	International 7400 Sander	200,500.00
306	2006 L-8500 Dump/Sander	Streets	International 7400 Sander	190,500.00
506	Bobcat Skid Steer	Streets	Volvo Skid Steer	60,000.00
307	2007 Ford Escape AWD	Engineering	Ford Explorer	38,000.00
407	2007 Ford Escape AWD	Engineering	Ford Explorer	38,000.00
				775,000.00
Water				
109	2009 F-350 4X4 Pickup	Water	Ford F-350 4X4 Utility	59,000.00
408	2008 F-350 4X4 Compressor	Water	Ford F-450 4C4 Compressor	99,500.00
				158,500.00
Sewer				
406	2006 F-550 Dump	Sewer	Ford F-550 4X4 Dump	98,000.00
				98,000.00

FY2023 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
General				
497	1997 Ford Dump Truck	Streets	International 7500 Dump	192,500.00
101	2001 Ford F-350 Compressor Truck	Streets	Ford F-450 Compressor Truck	99,500.00
508	2008 Sterling Dump Truck	Streets	International 7500 Dump Sander	194,800.00
309	2009 Asphalt Pre-Heater	Streets	Stepp Asphalt Pre-Heater	45,500.00
604	Ford Ranger	Streets	Ford Ranger 4x4 Pickup	45,000.00
495	1995 Clark Forklift	Streets	Fork Lift	25,500.00
201	Ford F-350 4X4 Utility	Parks & Cem	Ford F-350 4X4 Utility	59,200.00
805	2005 John Deere Tractor	Parks & Cem	John Deere Backhoe Tractor	62,000.00
				724,000.00
Water				
108	2008 Ford Ranger 4X4	Water	Ford Ranger 4X4 Pickup	45,000.00
112	2012 Ford F-350 4X4	Water	Ford F-350 4X4 Pickup w/ Liftgate	55,500.00
				100,500.00
Stormwater				
405	2005 Sterling Basin Cleaner	Stormwater	International 7400 Basin Cleaner (50% Sewer)	91,000.00
				91,000.00
Sewer				
405	2005 Sterling Basin Cleaner	Sewer	International 7400 Basin Cleaner (50% Stormwater)	91,000.00
				91,000.00