



City of Northampton
Capital Improvement Program
FY2020 – FY2024
Mayor David J. Narkewicz
Submitted to City Council on
February 7, 2019

City of Northampton, Massachusetts

CAPITAL IMPROVEMENT PROGRAM

FOR

FISCAL YEARS 2020-2024

Capital Improvement Program for FY2020-FY2024

The Capital Improvement Program for FY2020 – FY2024 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, 2019. 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 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 strive to 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 also 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 FY19 net direct debt for the General Fund as a percentage of assessed valuation is 1.7%.

- 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 FY19 net direct debt as a percentage of General fund operating revenues is 6.2%.

- 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 FY19 levy-supported general obligation debt service is 4.3% of general fund revenues and combined with cash capital spending of another \$315,000, the levy supported debt and capital spending was 4.6%. 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 FY2028, the city will have retired 90.5% 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 next 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 \$315,000. In FY19, the target amount for cash capital funding is \$340,000. The five year plan anticipates increasing this amount by \$25,000 in each subsequent year.

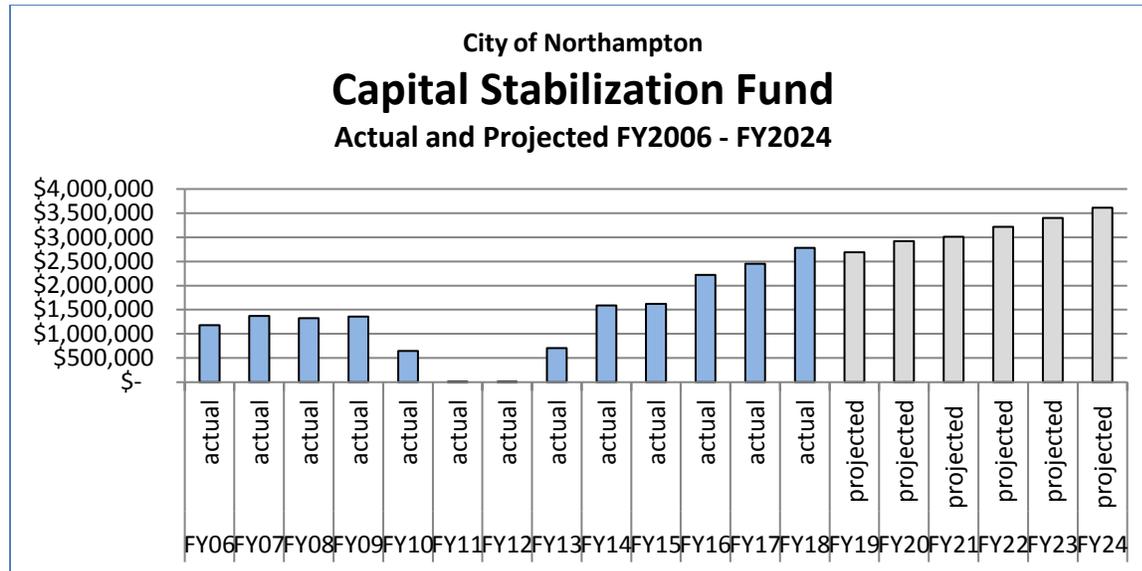
Free Cash – Each year the Mayor will propose a certain amount of funding for projects from the city's undesignated fund balance or "free cash". Since free cash will vary from year to year, the amount set aside for the capital projects will be determined soon after free cash is certified, which is generally 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 FY20 Capital Improvement Program is \$1,613,905. The five year plan proposes using approximately \$645,000 - \$753,250 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 \$3.8 million. It is the city's desire to keep a balance in this fund equivalent to 2.9% of the city's General Fund budget in FY2020, 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 FY2020, it is planned to use \$1,175,000 from the Capital Stabilization Fund for projects. This will leave \$2.69 million which is 2.80% 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 FY2019 to FY2024:.

CITY OF NORTHAMPTON GENERAL FUND CAPITAL STABILIZATION BALANCE PROJECTION							
	Actual FY2018	Estimated FY2019	Estimated FY2020	Estimated FY2021	Estimated FY2022	Estimated FY2023	Estimated FY2024
Activity in Capital Stabilization:							
5000-340616							
Capital Stabilization Starting Balance:	2,450,490	2,782,171	2,690,055	2,920,912	3,011,121	3,217,142	3,400,524
Contribution from Operating Budget:	364,652	382,884	405,857	430,208	456,021	483,382	512,385
Free Cash Appropriation - Actual or Estimated:	750,000	700,000	500,000	500,000	500,000	500,000	500,000
Interest Income	17,029						
Academy of Music Steps 9/2016							
DPW Sander Additional Funds 9/2016							
Use Toward Capital Plan for NEXT Fiscal Year	(800,000)	(1,175,000)	(675,000)	(840,000)	(750,000)	(800,000)	(800,000)
Total Projected Balance in Stabilization	2,782,171	2,690,055	2,920,912	3,011,121	3,217,142	3,400,524	3,612,909
Budgeted/Estimated General Fund Budget	92,969,797	95,998,044	98,397,995	100,857,945	103,379,394	105,963,878	108,612,975
Capital Stabilization as % of Budget:	2.99%	2.80%	2.97%	2.99%	3.11%	3.21%	3.33%
Desired % to keep as Reserve:	2.70%	2.80%	2.90%	3.00%	3.10%	3.20%	3.30%
Amount to keep as Reserve:	2,510,185	2,687,945	2,853,542	3,025,738	3,204,761	3,390,844	3,584,228
Additional Funds Available for Appropriation:		2,110	67,370	(14,618)	12,380	9,680	28,681

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 FY2020 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 FY2020 to FY2024.

CITY OF NORTHAMPTON RECEIPTS RESERVED FOR PARKING BALANCE PROJECTION							
Activity in Capital Stabilization:	Actual FY2018	Estimated FY2019	Estimated FY2020	Estimated FY2021	Estimated FY2022	Estimated FY2023	Estimated FY2024
RRA Parking Starting Balance	675,369	856,778	937,778	967,778	1,007,778	1,107,778	1,232,778
Estimated Receipts Received Above Budgeted	206,989	125,000	125,000	125,000	125,000	125,000	125,000
Other Revenue from completed projects or turnbacks	106,419						
Appropriations from RRA during fiscal year							
Use Toward Capital Plan for NEXT Fiscal Year	(132,000)	(44,000)	(95,000)	(85,000)	(25,000)	-	
Total Projected Balance in RRA at fiscal year end	856,778	937,778	967,778	1,007,778	1,107,778	1,232,778	1,357,778

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						
	Estimated FY2019	Estimated FY2020	Estimated FY2021	Estimated FY2022	Estimated FY2023	Estimated FY2024
Water Stabilization						
Starting Balance	2,182,923	1,950,457	1,650,457	2,050,457	2,450,457	2,850,457
Transfer from Retained Earnings	-	400,000	400,000	400,000	400,000	400,000
Appropriation to Stabilization from Operating Budget	89,238					
Interest Earned and Gains/Losses	11,268					
Appropriated for Operating Budget	-					
Appropriated for Capital Projects	(332,972)	(700,000)	TBD	TBD	TBD	TBD
Total Projected Balance at fiscal year end	1,950,457	1,650,457	2,050,457	2,450,457	2,850,457	3,250,457
Sewer Stabilization						
	FY2019	FY2020	FY2021	FY2022	FY2022	FY2022
Starting Balance	9,381,838	10,057,403	6,557,403	4,557,403	3,057,403	3,557,403
Transfer from Retained Earnings	-	500,000	500,000	500,000	500,000	500,000
Appropriation to Stabilization from Operating Budget	629,474					
Interest Earned and Gains/Losses	46,091					
Appropriated for Operating Budget						
Appropriated for Capital Projects	-	(4,000,000)	(2,500,000)	(2,000,000)	-	-
Total Projected Balance at fiscal year end	10,057,403	6,557,403	4,557,403	3,057,403	3,557,403	4,057,403
Stormwater Stabilization						
	FY2019	FY2020	FY2021	FY2022	FY2022	FY2022
Starting Balance	326,178	327,516	427,516	527,516	627,516	727,516
Transfer from Retained Earnings	-	100,000	100,000	100,000	100,000	100,000
Appropriation to Stabilization from Operating Budget	-					
Interest Earned and Gains/Losses	1,338					
Appropriated for Operating Budget						
Appropriated for Capital Projects	-	TBD	TBD	TBD	TBD	TBD
Total Projected Balance at fiscal year end	327,516	427,516	527,516	627,516	727,516	827,516
Solid Waste Stabilization						
	FY2019	FY2020	FY2021	FY2022	FY2022	FY2022
Starting Balance	1,504,480	1,510,654	1,510,654	1,510,654	1,510,654	1,510,654
Transfer from Retained Earnings						
Appropriation to Stabilization from Operating Budget						
Interest Earned and Gains/Losses	6,174					
Appropriated for Operating Budget						
Appropriated for Capital Projects	-	TBD	TBD	TBD	TBD	TBD
Total Projected Balance at fiscal year end	1,510,654	1,510,654	1,510,654	1,510,654	1,510,654	1,510,654

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 \$6.5 million. Total Enterprise Fund debt service is projected at \$ 2.5 million in FY19.

CITY OF NORTHAMPTON						
PROJECTED DEBT SERVICE FOR CAPITAL NEEDS						
includes new debt service recommended in Capital Improvement Program						
Fiscal Year	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
GENERAL FUND						
Debt Excluded	783,731	648,569	633,442	620,476	609,671	601,027
Levy Limit	3,995,367	4,269,777	4,490,065	4,795,653	4,661,723	4,511,177
MSBA Reimbursement	1,108,358	1,061,797	-	-	-	-
Other Funding Sources (inc CPA)	677,828	653,781	631,058	346,474	330,479	320,323
TOTAL DEBT SERVICE PROJECTION						
IN GENERAL FUND	6,565,284	6,633,924	5,754,565	5,762,603	5,601,873	5,432,527
ENTERPRISE FUNDS						
Water	2,005,006	2,006,633	2,085,601	2,587,380	3,002,407	3,709,773
Sewer	454,282	421,232	963,907	1,167,657	1,142,957	1,715,957
Solid Waste		-	-	-	-	-
Stormwater	45,450	44,650	38,850	38,150	37,450	36,663
TOTAL DEBT SERVICE PROJECTION						
IN ENTERPRISE FUNDS	2,504,738	2,472,514	3,088,358	3,793,187	4,182,814	5,462,392
ALL DEBT SERVICE	9,070,022	9,106,438	8,842,923	9,555,790	9,784,687	10,894,919

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."

FY2020 - FY2024 Capital Improvement Program Projects and Funding Sources

Council Orders to fund projects for the FY20 Capital Plan will be presented following the City Council’s hearing on the Capital Improvement Program.

The Capital Improvement Program contains a total of 116 projects totaling \$87,023,150 programmed over the next five fiscal years. Within in 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 FY2020 – FY2024 CIP.

City of Northampton Capital Plan FY2020-FY2024						
City Departments	Projects	Total for Five Year Plan				
Building	1	\$ 28,000.00				
Central Services - City	11	\$ 900,000.00				
Central Services - Academy of Music	3	\$ 400,000.00				
Central Services - Parking	4	\$ 189,000.00				
Central Services - Schools	22	\$ 5,890,000.00				
Parking Enforcement	1	\$ 60,000.00	Department of Public Works	Projects	Total for Five Year Plan	
Public Safety Dispatch	2	\$ 2,340,000.00	General Fund	13	\$ 16,550,000.00	
Fire Rescue	10	\$ 1,161,000.00	Water Enterprise Fund	13	\$ 25,506,700.00	
Information Technology Services	11	\$ 1,096,700.00	Sewer Enterprise Fund	6	\$ 25,650,000.00	
Northampton Public Schools - Non-Facility Projects	4	\$ 495,000.00	Stormwater and Flood Control Enterprise Fund	4	\$ 5,042,750.00	
Planning and Sustainability	5	\$ 770,000.00	Solid Waste Enterprise Fund	1	\$ 12,500.00	
Parks and Recreation	1	\$ 75,000.00	Sub-Total Department of Public Works	37	\$ 72,761,950.00	
Smith Vocational and Agricultural High School	4	\$ 856,500.00				
Sub-Total City Departments:	79	\$ 14,261,200.00	Total All Departments	116	\$ 87,023,150.00	

CITY OF NORTHAMPTON						
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM						
COVERING FISCAL YEARS 2020-2024						
PROJECTED FUNDING SOURCES						
Funding Sources	FIVE YEAR PLAN					TOTALS
	FY2020	FY2021	FY2022	FY2023	FY2024	
General Fund Cash Capital	340,000	365,000	390,000	400,500	440,000	1,935,500
Free Cash	1,613,905	753,250	752,000	645,000	720,000	4,484,155
Regular Stabilization	-	-	-	-	-	-
Capital Stabilization	1,175,000	675,000	840,000	750,000	800,000	4,240,000
General Fund Bonds/Borrowing	3,850,000	4,366,500	4,450,000	1,847,000	1,500,000	16,013,500
General Fund Operating Budget	300,000	300,000	300,000	300,000	300,000	1,500,000
						-
Receipts Reserved for Parking	44,000	95,000	85,000	25,000	-	249,000
Receipts Reserved Sale of Land	-	-	-	-	-	-
Revolving Funds	-	-	-	-	-	-
Trust Funds	25,000	25,000	25,000	25,000	25,000	125,000
Reprogrammed/Other Funds	404,045	55,000	1,805,000	-	-	2,264,045
						-
Water Enterprise Fund Operating Budget	1,059,700	1,098,500	1,068,500	915,000	915,000	5,056,700
Water Enterprise Stabilization	-	700,000	-	-	-	700,000
Water Enterprise Fund Borrowing	-	-	6,500,000	5,000,000	8,250,000	19,750,000
Sewer Enterprise Fund Operating Budget	866,500	713,000	583,000	621,500	866,000	3,650,000
Sewer Enterprise Stabilization	-	4,000,000	2,500,000	2,000,000	-	8,500,000
Sewer Enterprise Fund Borrowing	-	8,000,000	2,500,000	-	3,000,000	13,500,000
Stormwater Enterprise Fund Operating Budget	1,040,250	1,030,000	1,010,000	991,500	971,000	5,042,750
Stormwater Enterprise Stabilization					-	-
Stormwater Enterprise Borrowing					-	-
Solid Waste Enterprise Fund Operating Budget	12,500	-	-	-	-	12,500
						-
						-
Total:	10,730,900	22,176,250	22,808,500	13,520,500	17,787,000	87,023,150

APPENDIX A

CITY OF NORTHAMPTON RANKING - FY20 - FY24

Department	Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Building	High	Replace Inspection Vehicle				\$ 28,000		\$ 28,000
Building		Total Building				\$ 28,000	\$ -	\$ 28,000
Central Services - City	High	Main Fire: Energy Management Systems Upgrades - Main HQ	\$ 75,000					\$ 75,000
Central Services - City	High	Main Fire: Parking Lot Expansion and Solar Resiliency Project	\$ 300,000					\$ 300,000
Central Services - City	High	Main Fire Headquarters-Replace Cooling Condensers	\$ 25,000					\$ 25,000
Central Services - City	High	Vehicle: Replace HVAC Tech's Van	\$ 45,000					\$ 45,000
Central Services - City	High	Muni: Security Upgrades to the Treasurer & Parking Offices	\$ 80,000					\$ 80,000
Central Services - City	High	Muni: Building Elevator Shaft Roof Repair	\$ 40,000					\$ 40,000
Central Services - City	Critical	Muni: Building- Replace Boiler	\$ 45,000					\$ 45,000
Central Services - City	High	Academy of Music: Upgrade Side Stage Lighting	\$ 100,000					\$ 100,000
Central Services - City	Medium	Senior Center: Space Utilization Study	\$ 10,000					\$ 10,000
Central Services - City	Medium	City Maintenance Vehicle		\$ 45,000				\$ 45,000
Central Services - City	High	Academy of Music: Expand Fire Suppression System		\$ 150,000				\$ 150,000
Central Services - City	High	Lighting Upgrades: Multiple City Facilities		\$ 110,000				\$ 110,000
Central Services - City	Medium	Memorial Hall: Replace Asphalt Roof			\$ 125,000			\$ 125,000
Central Services - City	High	Academy of Music: Replace Stage Fire Curtain			\$ 150,000			\$ 150,000
Central Services - City		Total Central Services - City	\$ 720,000	\$ 305,000	\$ 275,000	\$ -	\$ -	\$ 1,300,000
Central Services - NPS	High	J.F.K.: Energy Management Systems Upgrades	\$ 100,000	\$ 100,000	\$ 100,000			\$ 300,000
Central Services - NPS	High	Leeds: Parking Lot Repaving and Drainage Upgrades	\$ 140,000					\$ 140,000
Central Services - NPS	High	District Wide: Electrical Upgrades For Air Conditioning	\$ 60,000					\$ 60,000
Central Services - NPS	High	Jackson: Replace Boilers	\$ 180,000					\$ 180,000
Central Services - NPS	Critical	High School: Domestic Hot Water Boiler Replacement	\$ 55,000					\$ 55,000
Central Services - NPS	Medium	J.F.K.: Window Repairs		\$ 30,000	\$ 20,000	\$ 20,000		\$ 70,000
Central Services - NPS	High	Leeds: Window Replacment		\$ 30,000	\$ 250,000			\$ 280,000
Central Services - NPS	High	NHS & JFK: Elevator Upgrades		\$ 25,000				\$ 25,000
Central Services - NPS	High	J.F.K.: Exterior Façade Repairs		\$ 45,000				\$ 45,000
Central Services - NPS	High	High School: Track Resurfacing		\$ 200,000				\$ 200,000
Central Services - NPS	High	Maintenance Division: New Vehicle		\$ 45,000				\$ 45,000
Central Services - NPS	High	Leeds: Exterior Painting		\$ 50,000				\$ 50,000
Central Services - NPS	High	Leeds: Library Carpet Replacement		\$ 30,000				\$ 30,000
Central Services - NPS	High	Ryan Road: AC Upgrades- Library		\$ 85,000				\$ 85,000
Central Services - NPS	Medium	Jackson: Energy Management Systems Upgrades			\$ 100,000			\$ 100,000
Central Services - NPS	Medium	J.F.K.: Roof Replacement			\$ 3,500,000			\$ 3,500,000
Central Services - NPS	Medium	Leeds: Flooring Replacement			\$ 75,000			\$ 75,000

Central Services - NPS	High	JFK: Paving			\$ 150,000			\$ 150,000
Central Services - NPS	Medium	Ryan Road: Energy Management Systems Upgrades				\$ 100,000		\$ 100,000
Central Services - NPS	Medium	Leeds: Energy Management Systems Upgrades				\$ 100,000		\$ 100,000
Central Services - NPS	Medium	Leeds: Boiler Replacement				\$ 150,000		\$ 150,000
Central Services - NPS	Medium	Bridge: Boiler Replacement				\$ 150,000		\$ 150,000
Central Services - NPS		Total Central Services - NPS	\$ 535,000	\$ 640,000	\$ 4,195,000	\$ 520,000	\$ -	\$ 5,890,000
Central Services - Parking	High	Install Parkeon Multi- Space Meters (4)	\$ 44,000					\$ 44,000
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	Medium	Vehicle: Replace Truck			\$ 55,000			\$ 55,000
Central Services - Parking		Total Central Services - Parking	\$ 44,000	\$ 65,000	\$ 55,000	\$ 25,000	\$ -	\$ 189,000
Dispatch	High	Kelton Fire Alarm Monitoring Equipment Replacement	\$ 90,000					\$ 90,000
Dispatch	High	City-Wide Communications Equipment Upgrades	\$ 250,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,250,000
Dispatch		Total Dispatch	\$ 340,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,340,000
Fire Rescue	Critical	SCBA Replacement	\$ 45,500					\$ 45,500
Fire Rescue	High	Vehicle Lift for Shop	\$ 48,000					\$ 48,000
Fire Rescue	High	Replace Utility Brush Unit	\$ 70,250					\$ 70,250
Fire Rescue	High	Staff Vehicle	\$ 42,000			\$ 42,500		\$ 84,500
Fire Rescue	High	Replace 2006 Engine		\$ 640,000				\$ 640,000
Fire Rescue	Medium	Replace Mechanic /Plow Vehicle		\$ 62,250				\$ 62,250
Fire Rescue	Medium	Replace ATV with Utility Task Vehicle			\$ 22,000			\$ 22,000
Fire Rescue	Medium	SCBA Replacement				\$ 95,000		\$ 95,000
Fire Rescue	Medium	Command Vehicle Replacement					\$ 58,000	\$ 58,000
Fire Rescue	Medium	Thermal Imager Replacement					\$ 35,500	\$ 35,500
Fire Rescue		Total Fire Rescue	\$ 205,750	\$ 702,250	\$ 22,000	\$ 137,500	\$ 93,500	\$ 1,161,000
ITS	High	Annual ITS Equipment Replacement	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
ITS	High	NPS: 1:1 ChromeBooks Project	\$ 205,000					\$ 205,000
ITS	Critical	NPS: Server System Replacement	\$ 85,000	\$ 35,000				\$ 120,000
ITS	Critical	WAN Switches Update - NPS	\$ 20,500	\$ 20,500				\$ 41,000
ITS	High	Municipal Broadband Study	\$ 30,000	\$ 40,000				\$ 70,000
ITS	Critical	WAN Switches Update - City	\$ 25,500	\$ 25,500				\$ 51,000
ITS	Critical	WAN Switches Update - Public Safety	\$ 13,800					\$ 13,800
ITS	Medium	Senior Center: Technology Improvements	\$ 10,900					\$ 10,900
ITS	Medium	City Server System Replacement			\$ 150,000			\$ 150,000
ITS	Medium	NPD: Server System Replacement			\$ 150,000			\$ 150,000
ITS	Medium	UPS Systems Replacement				\$ 35,000		\$ 35,000
ITS		Total ITS	\$ 440,700	\$ 171,000	\$ 350,000	\$ 85,000	\$ 50,000	\$ 1,096,700
Public Schools	High	School Bus Replacement	\$ 110,000	\$ 120,000	\$ 125,000			\$ 355,000

Public Schools	High	Multi-purpose Activity Bus	\$ 60,000					\$ 60,000
Public Schools	Medium	District-Wide: Food Service Point of Sale Upgrade		\$ 50,000				\$ 50,000
Public Schools	Medium	JFK: Walk-In Freezer			\$ 30,000			\$ 30,000
Public Schools		Total Public Schools	\$ 170,000	\$ 170,000	\$ 155,000	\$ -		\$ 495,000
Parking Enforcement	High	Vehicle Replacement Plan		\$ 30,000	\$ 30,000			\$ 60,000
Parking Enforcement		Total Parking Enforcement		\$ 30,000	\$ 30,000	\$ -		\$ 60,000
Planning and Sustainability	High	Design Mulituse Trails (bicycle paths)	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 300,000
Planning and Sustainability	High	Florence Center Streetscape Design	\$ 100,000					\$ 100,000
Planning and Sustainability	Critical	Fitzgerald Lake Parking Lot and Path		\$ 50,000				\$ 50,000
Planning and Sustainability	High	Retiring Tax Title		\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 120,000
Planning and Sustainability	High	Comprehensive Planning Implementation		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000
Planning and Sustainability		Total Planning and Sustainability	\$ 160,000	\$ 190,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 770,000
Parks and Recreation	High	Improvements at Playing Fields	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000
Parks and Recreation		Total Parks and Recreation	\$ 15,000	\$ 75,000				
Smith Vocational	High	ADA Doors (Buildings A, B, C)	\$ 46,500					\$ 46,500
Smith Vocational	High	Student Activity Vans	\$ 110,000					\$ 110,000
Smith Vocational	High	Window Replacement Building A & B		\$ 300,000				\$ 300,000
Smith Vocational	Medium	Roof Replacement Building D		\$ 400,000				\$ 400,000
Smith Vocational		Total Smith Vocational	\$ 156,500	\$ 700,000				\$ 856,500

DPW General Fund	High	Wood Waste Disposal	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
DPW General Fund	Critical	Sidewalks	\$ 150,000	\$ 175,000	\$ 175,000	\$ 200,000	\$ 200,000	\$ 900,000
DPW General Fund	Critical	Street Resurfacing	\$ 2,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 8,500,000
DPW General Fund	Critical	Road Improvements	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
DPW General Fund	High	Vehicle Replacements	\$ 220,000	\$ 826,500	\$ 840,000	\$ 447,000	\$ 891,500	\$ 3,225,000
DPW General Fund	Medium	Cemetery Improvements	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
DPW General Fund	High	Traffic Calming	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
DPW General Fund	Critical	Traffic Signals	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
DPW General Fund	Medium	Trees	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
DPW General Fund	Critical	Forbes Library Drainage	\$ 50,000	\$ 250,000				\$ 300,000
DPW General Fund	High	Spring Grove Storage Building	\$ 950,000					\$ 950,000
DPW General Fund	Critical	Fuel Depot	\$ 350,000					\$ 350,000
DPW General Fund	High	DPW New Storage Facility	\$ 350,000					\$ 350,000
DPW General Fund		Total DPW General Fund	\$ 4,965,000	\$ 3,146,500	\$ 2,910,000	\$ 2,542,000	\$ 2,986,500	\$ 16,550,000
DPW Solid Waste Enterprise	High	Fuel Depot	\$ 12,500					\$ 12,500
DPW Solid Waste Enterprise		Total DPW Solid Waste Enterprise	\$ 12,500	\$ -	\$ -	\$ -	\$ -	\$ 12,500
DPW Stormwater Enterprise	Critical	Stormwater Line Replacement	\$ 650,000	\$ 780,000	\$ 760,000	\$ 400,000	\$ 345,000	\$ 2,935,000
DPW Stormwater Enterprise	Critical	Levee and Flood Control System Maintenance & Upgrades	\$ 250,000	\$ 250,000	\$ 250,000	\$ 500,000	\$ 500,000	\$ 1,750,000
DPW Stormwater Enterprise	High	Vehicle Replacements	\$ 122,750			\$ 91,500	\$ 126,000	\$ 340,250
DPW Stormwater Enterprise	High	DPW New Storage Facility	\$ 17,500					\$ 17,500
DPW Stormwater Enterprise		Total DPW Stormwater and Flood Control	\$ 1,040,250	\$ 1,030,000	\$ 1,010,000	\$ 991,500	\$ 971,000	\$ 5,042,750
DPW Water Enterprise	Critical	Granular Activated Carbon					\$ 60,000	\$ 60,000
DPW Water Enterprise	Critical	Waterline Replacement	\$ 575,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 2,875,000
DPW Water Enterprise	High	Watershed Land Acquisition	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
DPW Water Enterprise	Critical	Meter Replacement Program	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000
DPW Water Enterprise	Critical	Hydrant Replacement Program	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000
DPW Water Enterprise	Critical	WTP Equipment Replacement	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000
DPW Water Enterprise	Critical	Water Distribution System Equipment Replacement	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
DPW Water Enterprise	High	Vehicle Replacements	\$ 192,200	\$ 223,500	\$ 213,500	\$ 60,000		\$ 689,200
DPW Water Enterprise	Critical	Fuel Depot	\$ 12,500					\$ 12,500
DPW Water Enterprise	Critical	Transmission Main Replacement		\$ 700,000			\$ 8,250,000	\$ 8,950,000
DPW Water Enterprise	Critical	Reservoir Construction			\$ 5,000,000	\$ 5,000,000		\$ 10,000,000
DPW Water Enterprise	Critical	Leeds High Pressure System			\$ 1,500,000			\$ 1,500,000
DPW Water Enterprise	Critical	Water System Leak Detection		\$ 20,000				\$ 20,000
DPW Water Enterprise		Total DPW Water Enterprise	\$ 1,059,700	\$ 1,798,500	\$ 7,568,500	\$ 5,915,000	\$ 9,165,000	\$ 25,506,700
DPW Sewer Enterprise	High	DPW New Storage Facility	\$ 127,500					\$ 127,500
DPW Sewer Enterprise	Critical	WWTP Improvements		\$ 12,000,000	\$ 5,000,000	\$ 2,000,000	\$ 3,000,000	\$ 22,000,000
DPW Sewer Enterprise	Critical	Sewer Line Replacement	\$ 550,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,150,000

DPW Sewer Enterprise	High	Vehicle Replacement	\$ 104,000	\$ 228,000	\$ 98,000	\$ 136,500	\$ 381,000	\$ 947,500
DPW Sewer Enterprise	Critical	WWTP Equipment Replacement	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
DPW Sewer Enterprise	High	Sewer Collection System Equipment	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 175,000
DPW Sewer Enterprise		Total DPW Sewer Enterprise	\$ 866,500	\$ 12,713,000	\$ 5,583,000	\$ 2,621,500	\$ 3,866,000	\$ 25,650,000
		TOTAL:	\$ 10,730,900	\$ 22,176,250	\$ 22,808,500	\$ 13,520,500	\$ 17,787,000	\$ 87,023,150

APPENDIX B

CITY OF NORTHAMPTON
FISCAL YEAR 2024 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE

Project Title	General Fund			Stabilization		General Fund Borrowing		Enterprise Funds			Trust Funds	Revolving Funds	Receipt Reserved Funds		Other and Reprogrammed		Total		
	Mayor's Recommendation	Cash Capital \$440,000	Free Cash	General Fund Operating Budget	Regular Stabilization	Capital Stabilization	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
	\$ 17,787,000	\$ 440,000	\$ 720,000	\$ 300,000	\$ -	\$ 800,000	\$ 1,500,000		\$ 2,752,000	\$ -	\$ 11,250,000		\$ 25,000	\$ -	\$ -	\$ -	\$ -		\$ 17,787,000
Planning and Sustainability																			
Tax Title for City Priority Purchases	\$ 30,000	\$ 30,000																	\$ 30,000
Multi-use Trails (bicycle paths)	\$ 60,000	\$ 60,000																	\$ 60,000
Comprehensive Planning Implementation	\$ 50,000	\$ 50,000																	\$ 50,000
Dispatch																			
City-Wide Communications Equipment Upgrades	\$ 500,000					\$ 500,000													\$ 500,000
Information Technology Services																			
IT - Replacement of Equipment	\$ 50,000	\$ 50,000																	\$ 50,000
Fire Rescue																			
Command Vehicle Replacement	\$ 58,000		\$ 58,000																\$ 58,000
Thermal Imager Replacement	\$ 35,500	\$ 35,500																	\$ 35,500
Parks and Recreation																			
Improvements at Playing Fields	\$ 15,000	\$ 15,000																	\$ 15,000
Department of Public Works																			
General Fund:																			
Traffic Calming	\$ 10,000	\$ 10,000																	\$ 10,000
Sidewalks	\$ 200,000	\$ 129,500	\$ 70,500																\$ 200,000
Traffic Signals	\$ 50,000	\$ 50,000																	\$ 50,000
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	\$ 891,500		\$ 591,500		\$ 300,000														\$ 891,500
Cemetery Improvements	\$ 25,000											\$ 25,000							\$ 25,000
Trees	\$ 50,000			\$ 50,000															\$ 50,000
Road Improvements	\$ 250,000			\$ 250,000															\$ 250,000
Water Enterprise:																			
Watershed Land Acquisition	\$ 50,000								\$ 50,000										\$ 50,000
Granular Activated Carbon Replacement	\$ 60,000								\$ 60,000										\$ 60,000
Water Line Replacement	\$ 575,000								\$ 575,000										\$ 575,000
Meter Replacement Program	\$ 75,000								\$ 75,000										\$ 75,000
Hydrant Replacement Program	\$ 30,000								\$ 30,000										\$ 30,000
WTP Replace Equipment	\$ 75,000								\$ 75,000										\$ 75,000
Water Distribution System Replace Equipment	\$ 50,000								\$ 50,000										\$ 50,000
Transmission Line Replacement	\$ 8,250,000									\$ 8,250,000	20								\$ 8,250,000
Sewer Enterprise:																			
Sewer Line Replacement	\$ 400,000								\$ 400,000										\$ 400,000
Wastewater Treatment Plant Improvements	\$ 3,000,000									\$ 3,000,000	10								\$ 3,000,000
WWTP Equipment Replacement	\$ 50,000								\$ 50,000										\$ 50,000
Vehicle Replacement	\$ 381,000								\$ 381,000										\$ 381,000
Sewer Collection Equipment	\$ 35,000								\$ 35,000										\$ 35,000
Stormwater Enterprise:																			

Storm Line Replacement	\$	345,000	\$	345,000	\$	345,000
Levee and Flood Control System Maintenance and Upgrades	\$	500,000	\$	500,000	\$	500,000
Vehicle Replacement	\$	126,000	\$	126,000	\$	126,000

APPENDIX C

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Building Department Inspection Vehicles

DATE SUBMITTED: 09/28/18

DEPARTMENT PROJECT INFORMATION

Department: **Building Department**

Department Contact: **Louis Hasbrouck**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Replace 2013 Subaru Forester inspection vehicle

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:

~ \$600 per year

Describe all Benefits and/or Savings:

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Central Services

Division: City Facilities

Prepared By: David Pomerantz, Director

Date Prepared: September 25, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
High	Main Fire: Energy Management System Upgrades	75,000					75,000
High	Main Fire: Parking Lot Expansion and Solar Resiliency Project	300,000					300,000
High	Fire Department: Replace Cooling Condensers	25,000					25,000
High	Vehicle: Replace HVAC Tech's Van	45,000					45,000
Critical	Muni: Security Upgrades to Tax/Parking Offices	80,000					80,000
High	Muni: Repairs to Elevator Shaft Roof	40,000					40,000
Critical	Muni: Replace Boiler	45,000					45,000
High	Academy of Music: Upgrade Side Stage Lighting	100,000					100,000
Medium	Senior Center: Space Utilization Study	10,000					10,000
Medium	Vehicle: City Maintenance Vehicle		45,000				45,000
High	Academy of Music: Expand Fire Suppression System		150,000				150,000
High	Lighting Upgrades Multiple Facilities		110,000				110,000
Medium	Memorial Hall: Replace Asphalt Roof			125,000			125,000
High	Academy of Music: Replace Stage Fire Curtain			150,000			150,000
Totals		720,000	305,000	275,000	0	0	1,300,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Main Fire Headquarters- Energy Management System Upgrades

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

This is the second of a two-year project involving the replacement and upgrading 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 in the 24/7 facility.

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 2020	FY 2021	FY2022	FY 2023	FY2024	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						\$ 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	\$ 75,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 75,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Main Fire Headquarters- Parking Lot Expansion & Solar Resiliency Project

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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. Capital funds secured for FY 19 are being used for engineering and design modifications to the parking lot. FY 20 funds would be used to prepare construction documents, the overlay of the solar system, permitting for wetlands & storm water issues and construction of the parking lot. The solar array construction would be completed using grant funds obtained from the Massachusetts Department of Energy Resources.

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 50,000					\$ 50,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 250,000					\$ 250,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 300,000
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	\$ 300,000					\$ 300,000
TOTALS	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 300,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Main Fire Headquarters- Replace Cooling Condensers

DATE SUBMITTED: 10.05.18



DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The three existing Carrier condensers used to provide cooling for the fire station and dispatch center would be replaced with newer, more energy efficient units. The current units were installed when the fire station was constructed in 1999. The capacity of the unit serving the dispatch center would be expanded since the functions and volume of equipment used in the dispatch center continue to increase.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Provide reliable, energy efficient equipment needed to cool the 24/7 facility.

Cost to Maintain:

No costs to maintain beyond normal maintenance.

Describe all Benefits and/or Savings:

Provide reliable, energy efficient equipment needed to cool the 24/7 facility.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 25,000					\$ 25,000
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						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 25,000					\$ 25,000
TOTALS	\$ 25,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 25,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Replace HVAC Technician's Van

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 123,500 miles on it. Repair costs are increasing and more frequent. The current vehicle would be replaced with a transit 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 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 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 FY20-FY24

PROJECT TITLE: Muni: Security Upgrades to Tax/Parking Offices

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

This project involves upgrades and security improvements for the Treasurer and Parking offices. Renovations would address staff layout issues, would include the installation of security windows to pay parking tickets and taxes and the construction of a meeting room for ticket and tax appeals. Work would also include the installation of a water fountain in the hallway to provide water for those attending meetings in Council Chambers. The plans for the work are complete and bidding and construction would occur Spring-Summer, 2019.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Renovations would improve security for staff, privacy for appeals and better operations efficiency for the departments.

Cost to Maintain:

Beyond cleaning and general maintenance over time there will be no maintenance costs.

Describe all Benefits and/or Savings:

Renovations would improve security for staff, privacy for appeals and better operations efficiency for the departments.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 80,000	\$ 0	\$ 0	\$ 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	\$ 80,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 80,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Muni: Repairs to Elevator Shaft Roof

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

This project involves repairs and upgrades to the elevator roof at the Puchalski Municipal Building. The original metal frame and glass system is deteriorated and water leaks into the building when it rains. The frame and glazing would be removed and a new roof system, including ventilation, would be installed. There is also some asbestos that would need to be abated as part of the work. Plans have already been completed and work would be completed Spring-Summer, 2019.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Completing the work would eliminate water seepage into the elevator shaft and the building and potential damage to the elevator system.

Cost to Maintain:

No costs to maintain after construction.

Describe all Benefits and/or Savings:

Construction would provide a weather tight, ventilated roof system that would eliminate water seepage into the elevator shaft.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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 FY20-FY24

PROJECT TITLE: Municipal Building- Replace Boiler

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Under this project the existing Janitrol gas fired boiler, which is 52 years old, would be replaced. Some upgrades and repairs were made in 2014 and last winter there were a number of service calls required. Work would include some asbestos abatement, removal and disposal of the existing unit, and installation of a new boiler. Options would include a condensing boiler which would eliminate or reduce the need for any chimney related work.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installation of a new unit would provide greater operational efficiency, reduced fuel costs and reduced service calls.

Cost to Maintain:

Post-installation maintenance will include annual cleaning and calibration which is part of the city-school wide contract Central Services oversees.

Describe all Benefits and/or Savings:

Installation of a new unit would provide greater operational efficiency, reduced fuel costs and reduced service calls.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 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 FY20-FY24

PROJECT TITLE: Academy of Music- Upgrade Side Stage Lighting

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

This project involves the replacement and upgrading of side stage lighting at the Academy of Music. Under the project 48 high-wattage lights and accessories would be replaced with energy efficient LED lighting.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installing the new LED lighting would result in lower energy costs, greater longevity for the lights, reduced repairs, and increased safety since the existing lights are deteriorating.

Cost to Maintain:

No costs to maintain after installation.

Describe all Benefits and/or Savings:

Installing the new LED lighting would result in lower energy costs, greater longevity for the lights, reduced repairs, and increased safety since the existing lights are deteriorating.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 100,000					\$ 100,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 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	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Senior Center- Space Utilization Study

DATE SUBMITTED: 10.04.18

DEPARTMENT PROJECT INFORMATION

Department:	Central Services				
Department Contact:	David Pomerantz, Director				
Fiscal Year(s) Requested:	FY20 <input checked="" type="checkbox"/>	FY21 <input type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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 Northampton Senior Center has been in operation since 2007. This important facility has allowed the Senior Services Department to strengthen the independence and social engagement of our city's older adults through a broad mix of programs, services, and amenities. Given the ever-changing makeup of our growing senior population, however, and their evolving programmatic and service needs, it is important after more than twelve years of operation to conduct a building space utilization study to ensure that the use of existing space continues to align with current and future needs. This study will examine current space utilization throughout the building, including the front desk and lobby area, and make recommendations about possible modifications in use and/or physical space to ensure optimal delivery of services and programming at the Senior Center moving forward.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Better provision of services and programs to meet senior needs.

Cost to Maintain:

No costs to maintain.

Describe all Benefits and/or Savings:

Better provision of services and programs to meet senior needs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 10,000					\$ 10,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
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 FY20-FY24

PROJECT TITLE: City Maintenance Vehicle

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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. The truck would also make it easier to recycle items and dispose of brush.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

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 2020	FY 2021	FY2022	FY 2023	FY2024	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 FY20-FY24

PROJECT TITLE: Academy of Music- Expand Fire Suppression System

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Under this project the existing building sprinkler system would be expanded to cover the auditorium and lobby areas. When the Academy of Music was renovated in 2004 a partial sprinkler system was installed to protect the stage area. Work would include engineering and construction with all work being done to preserve the historic nature of the building.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Expansion of the fire suppression system would provide greater building protection and safety for the public. There is a full fire detection system in the building.

Cost to Maintain:

The expanded sprinkler system would be inspected and maintained under the city-schools contract that Central Services administers.

Describe all Benefits and/or Savings:

Expansion of the fire suppression system would provide greater building protection and safety for the public. There is a full fire detection system in the building.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 0	\$ 150,000	\$ 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	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 150,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Lighting Upgrades- Multiple City Facilities

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department:	Central Services					
Department Contact:	David Pomerantz, Director					
Fiscal Year(s) Requested:	FY20 <input type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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 checked="" type="checkbox"/>	Facility <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

Upgrade interior lighting to LED technology at 14 facilities including: City Hall, Memorial Hall, Municipal Building, WTP, WWTP, DPW Administration, DPW Garage, Fire HQ, Fire Substation, Police HQ, James House, Academy of Music, Senior Center and Bridge St. School.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

An annual cost of delay of about \$55,000/year in energy costs. Delay in reducing greenhouse gas (GHG) emissions.

Cost to Maintain:

Reduction in the cost to maintain as LED technology lasts 4 times as long as current florescent lamps.

Describe all Benefits and/or Savings:

Preliminary estimated annual savings of about \$55,000/year and 325,000 kWh/year in energy use. Reduced maintenance load. Reduced GHG emissions equivalent to taking about 85 cars off the road for one year.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 110,000				\$ 110,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 110,000
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		\$ 110,000				\$ 110,000
TOTALS	\$ 0	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 110,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Memorial Hall- Replace Asphalt Roof

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department:	Central Services				
Department Contact:	David Pomerantz, Director				
Fiscal Year(s) Requested:	FY20 <input type="checkbox"/>	FY21 <input type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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 or thirty-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-five 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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering			\$ 5,000			\$ 5,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 120,000			\$ 120,000
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 FY20-FY24

PROJECT TITLE: Academy of Music- Replace Stage Fire Curtain **DATE SUBMITTED:** 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

With this project the existing 1891 asbestos containing fire curtain would be replaced. The curtain has been tested and it is not friable so there is no immediate concern. However, if there was a fire and the curtain dropped it would be an emergency situation to replace it since the theatre would need to shut down until the curtain was replaced with a code-compliant fire curtain.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Replacing the curtain would provide the building with a code-compliant fire protection component.

Cost to Maintain:

No costs to maintain.

Describe all Benefits and/or Savings:

Replacing the curtain would provide the building with a code-compliant fire protection component.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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
FORM CIP - 1: Departmental Capital Projects Summary

Department: Central Services

Division: School Facilities

Prepared By: David Pomerantz, Director

Date Prepared: September 25, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
High	JFK: Energy Management System Upgrades	100,000	100,000	100,000			300,000
High	Leeds: Parking Lot Repaving and Drainage Upgrades	140,000					140,000
High	District-wide: Electrical Upgrades for A/C - Special Needs	60,000					60,000
High	Jackson: Replace Boilers	180,000					180,000
Critical	High School: Domestic Hot Water Boiler Replacement	55,000					55,000
Medium	JFK: Window Repairs		30,000	20,000	20,000		70,000
High	Leeds: Window Replacement		30,000	250,000			280,000
High	NHS & JFK Elevator Upgrades		25,000				25,000
High	JFK: Exterior Façade Repairs		45,000				45,000
High	High School: Track Resurfacing		200,000				200,000
High	Maintenance Division: New Vehicle		45,000				45,000
High	Leeds: Exterior Painting		50,000				50,000
High	Leeds: Library Carpet Replacement		30,000				30,000
High	Ryan Road: AC Upgrades- Library		85,000				85,000
Medium	Jackson: Energy Management System Upgrades			100,000			100,000
Medium	JFK: Roof Replacement			3,500,000			3,500,000
Medium	Leeds: Flooring Replacement			75,000			75,000
High	JFK: Paving			150,000			150,000
Medium	Ryan Road: Energy Management System Upgrades				100,000		100,000
Medium	Leeds: Energy Management System Upgrades				100,000		100,000
Medium	Leeds: Boiler Replacement				150,000		150,000
Medium	Bridge: Boiler Replacement				150,000		150,000
Totals		535,000	640,000	4,195,000	520,000	0	5,890,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: JFK: Energy Management System Upgrades

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 100,000	\$ 100,000	\$ 100,000			\$ 300,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 100,000	\$ 100,000	\$ 100,000	\$ 0	\$ 0	\$ 300,000
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			\$ 300,000
TOTALS	\$ 100,000	\$ 100,000	\$ 100,000	\$ 0	\$ 0	\$ 300,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Leeds: Parking Lot Repaving and Drainage Upgrades

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 in FY 18. Phase 2 paving work was done last 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. A significant amount of drainage work is also included in the scope of work. Where needed, line stripping would be done. All paving and drainage work would be completed with FY 20 work.

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 15,000					\$ 15,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 125,000					\$ 125,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 140,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 140,000
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
TOTALS	\$ 140,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 140,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: District Wide- Electrical Upgrades
with AC- Special Needs

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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.

A preliminary list of possible rooms and spaces was developed by school administrators and SPED in FY 19 and that list needs to be reviewed and solidified before actual engineering and electrical work takes place.

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 2020	FY 2021	FY2022	FY 2023	FY2024	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 FY20-FY24

PROJECT TITLE: Jackson: Replace Boilers

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

With this project the two existing H.B. Smith hot water boilers that were installed in the 1970s will be replaced. Both units are leaking and while operational they need to be replaced. Two new energy efficient boilers will be installed and tied into the building's energy management system. Engineering will be done to develop construction plans and documents that will be used for bidding. There is no asbestos related abatement work with this project.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installing new boilers will provide greater operational efficiency, lower energy costs, increased reliability and reduced service and maintenance costs.

Cost to Maintain:

Maintenance costs will include annual cleaning and calibration under the Central Services school-city facilities boiler contract.

Describe all Benefits and/or Savings:

Installing new boilers will provide greater operational efficiency, lower energy costs, increased reliability and reduced service and maintenance costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 15,000					\$ 15,000
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	\$ 180,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 180,000
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	\$ 180,000					\$ 180,000
TOTALS	\$ 180,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 180,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: High School- Domestic Hot Water Boiler

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The 1999 Lochinvar domestic hot water boiler has controls that are failing and that have been repaired over time. It's getting difficult to get parts. The existing unit would be replaced with two smaller condensing units. This project would be eligible for rebates.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

More efficient operations and reduced repair costs.

Cost to Maintain:

No costs to maintain.

Describe all Benefits and/or Savings:

More efficient operations and reduced repair costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 8,000					\$ 8,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 47,000					\$ 47,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 55,000	\$ 0	\$ 0	\$ 0	\$ 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	\$ 55,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 55,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: JFK: Window Repairs

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 a window contractor would replace components on windows to improve their operation over a three-year period.

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings		\$ 30,000	\$ 20,000	\$ 20,000		\$ 70,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 30,000	\$ 20,000	\$ 20,000	\$ 0	\$ 70,000
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	\$ 20,000	\$ 20,000			\$ 70,000
TOTALS	\$ 30,000	\$ 20,000	\$ 20,000	\$ 0	\$ 0	\$ 70,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Leeds: Window Replacement

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department:	Central Services				
Department Contact:	David Pomerantz, Director				
Fiscal Year(s) Requested:	FY20 <input type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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

Under this project windows in the older, original (1950s) section of the school would be replaced. The wooden windows are single-glazed units that are deteriorated and result in air leaks and condensation. Double-glazed clad units would be installed when work was done in FY 21. Work for FY 20 would include design and architectural work to produce construction documents that would be used for bidding.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installing new windows would result in improved occupant comfort, reduced air leaks, and reduced energy costs.

Cost to Maintain:

Beyond normal custodial operations there would be no costs to maintain the windows after installation.

Describe all Benefits and/or Savings:

Installing new windows would result in improved occupant comfort, reduced air leaks, and reduced energy costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering		\$ 30,000				\$ 30,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 250,000			\$ 250,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 30,000	\$ 250,000	\$ 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		\$ 30,000	\$ 250,000			\$ 280,000
TOTALS	\$ 0	\$ 30,000	\$ 250,000	\$ 0	\$ 0	\$ 280,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: NHS & JFK Elevator Upgrades

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

A key system is used to retrieve and use the elevators beyond normal operations at both schools. Frequently, keys are not returned and/or are passed around, and the key switches are frequently damaged and need repairs. With this project the key system would be replaced with a FOB system. FOBs would be signed out to individuals and if not returned could be deactivated.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Reduced repair costs, increased security.

Cost to Maintain:

No costs to maintain.

Describe all Benefits and/or Savings:

Reduced repair costs, increased security.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings		\$ 25,000				\$ 25,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 25,000	\$ 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						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 25,000				\$ 25,000
TOTALS	\$ 0	\$ 25,000	\$ 0	\$ 0	\$ 0	\$ 25,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: JFK: Exterior Facade Repairs

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, David**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

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. A significant amount of work was completed in FY 19 and work in FY 20 would complete the facade repairs at the school.

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 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 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 FY20-FY24

PROJECT TITLE: High School- Track Resurfacing

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering		\$ 10,000				\$ 10,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 190,000				\$ 190,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 200,000	\$ 0	\$ 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	\$ 200,000	\$ 0	\$ 0	\$ 0	\$ 200,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Maintenance Division: New Vehicle

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

A 2007 Ford van used by the Maintenance Foreman for work throughout the district is ready for replacement. The existing truck has 67,000 miles on it and has only had normal maintenance and repair costs to date. The new truck would be a fuel efficient Ford transit van with storage racks. The existing van would be handed down to the maintenance staff who have been driving an older vehicle.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Key benefits include reduced repair costs and increased fuel efficiency. The expected life span of the vehicle would be 10-12 years.

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 2020	FY 2021	FY2022	FY 2023	FY2024	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 FY20-FY24

PROJECT TITLE: Leeds: Exterior Painting

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

This project would build on work completed in FY 19 where sections of the building's exterior trim and windows were painted. Under this project, the remainder of the exterior trim and older wooden windows would be prepped and painted. The volume of trim and windows is large enough that this cannot be handled as a maintenance item.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Caulk, priming and painting will protect the windows and trim from damage from the elements and from having to be repaired or replaced.

Cost to Maintain:

Once completed, repainting would be required in about eight-ten years.

Describe all Benefits and/or Savings:

Caulk, priming and painting will protect the windows and trim from damage from the elements and from having to be repaired or replaced.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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 FY20-FY24

PROJECT TITLE: Leeds: Library Carpet Replacement

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The existing carpeting in the school library was installed when the building was renovated in the early 1990s. The carpeting is worn and should be replaced. The carpeting would be removed and new carpeting consisting of carpet squares would be installed.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Benefits of the new flooring include clean material and the ability to replace damaged sections by removing individual squares.

Cost to Maintain:

No costs to maintain beyond normal cleaning operations.

Describe all Benefits and/or Savings:

Benefits of the new flooring include clean material and the ability to replace damaged sections by removing individual squares.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings		\$ 30,000				\$ 30,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 30,000	\$ 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	\$ 0	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 30,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Ryan Road: AC Upgrades- Library

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department:	Central Services					
Department Contact:	David Pomerantz, Director					
Fiscal Year(s) Requested:	FY20 <input type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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 checked="" type="checkbox"/>	Other <input type="checkbox"/>	

PROJECT DESCRIPTION

This project involves the installation of air conditioning in the Ryan Road library. There is a ventilation system for the space but this library is the only school library without air conditioning. The project would involve engineering to develop plans for the installation of energy efficient roof top and interior units along with actual construction.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installation of the system would provide greater comfort for students and faculty.

Cost to Maintain:

Beyond annual cleaning and maintenance by Central Services staff there will be no significant costs to maintain the system.

Describe all Benefits and/or Savings:

Installation of the system would provide greater comfort for students and faculty.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 0	\$ 85,000	\$ 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	\$ 0	\$ 85,000	\$ 0	\$ 0	\$ 0	\$ 85,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Jackson: Energy Management System Upgrades

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings			\$ 100,000			\$ 100,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 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	\$ 100,000	\$ 0	\$ 0	\$ 100,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: JFK: Roof Replacement

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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. Due to the size and estimated costs in all likelihood this project would be handled under the MSBA Accelerated Repair Program similar to what has been done at the Ryan Road, Leeds and Bridge Street schools.

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 3,500,000			\$ 3,500,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 3,500,000	\$ 0	\$ 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			\$ 3,500,000			\$ 3,500,000
TOTALS	\$ 0	\$ 0	\$ 3,500,000	\$ 0	\$ 0	\$ 3,500,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Leeds: Flooring Replacement

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department:	Central Services				
Department Contact:	David Pomerantz, Director				
Fiscal Year(s) Requested:	FY20 <input type="checkbox"/>	FY21 <input type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 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 FY20-FY24

PROJECT TITLE: JFK: Paving

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

With this project a portion of the school parking lot will be re-paved. The area of work will run from the Bridge Road entrance down to the parking area by the pool entrance. The surface is deteriorated and cracked and should be replaced before any damage occurs to the sub-base. 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.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering			\$ 20,000			\$ 20,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 130,000			\$ 130,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
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 FY20-FY24

PROJECT TITLE: Ryan Road: Energy Management System Upgrades

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings				\$ 100,000		\$ 100,000
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 FY20-FY24

PROJECT TITLE: Leeds: Energy Management System Upgrades

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings				\$ 100,000		\$ 100,000
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 FY20-FY24

PROJECT TITLE: Leeds: Boiler Replacement

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Under this project the two existing Weil McClain hot water boilers would be replaced with new units. Two new energy efficient boilers will be installed and tied into the building's energy management system. Engineering will be done to develop construction plans and documents that will be used for bidding. There is no asbestos related abatement work with this project.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installing new boilers will provide greater operational efficiency, lower energy costs, increased reliability and reduced service and maintenance costs.

Cost to Maintain:

Maintenance costs will include annual cleaning and calibration under the Central Services school-city facilities boiler contract.

Describe all Benefits and/or Savings:

Installing new boilers will provide greater operational efficiency, lower energy costs, increased reliability and reduced service and maintenance costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 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 FY20-FY24

PROJECT TITLE: Bridge: Boiler Replacement

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Under this project the two existing H.B. Smith hot water boilers would be replaced with new units. Two new energy efficient boilers will be installed and tied into the building's energy management system. Engineering will be done to develop construction plans and documents that will be used for bidding. There is no asbestos related abatement work with this project.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installing new boilers will provide greater operational efficiency, lower energy costs, increased reliability and reduced service and maintenance costs.

Cost to Maintain:

Maintenance costs will include annual cleaning and calibration under the Central Services school-city facilities boiler contract.

Describe all Benefits and/or Savings:

Installing new boilers will provide greater operational efficiency, lower energy costs, increased reliability and reduced service and maintenance costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 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
FORM CIP - 1: Departmental Capital Projects Summary

Department: Central Services

Division: Parking

Prepared By: David Pomerantz

Date Prepared: September 25, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
High	Install Parkeon Multi-Space Meters (4)	44,000					44,000
Medium	E.J. Gare Garage Repairs		25,000		25,000		50,000
Medium	Equipment: Bobcat Skid-Steer Loader		40,000				40,000
Medium	Vehicle: Replace Truck			55,000			55,000
							0
Totals		44,000	65,000	55,000	25,000	0	189,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Install Parkeon Multi-Space Meters (4)

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

This project would increase the number of multi-space Parkeon kiosks that use the license plate reader system for parking. The current 31 machines would be increased by 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. Two units would be installed on upper Main Street, 1 unit would be installed in the Armory Street lot, and the location for the fourth unit would need to be determined.

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 44,000					\$ 44,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 44,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 44,000
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
TOTALS	\$ 44,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 44,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: E.J. Gare Garage Repairs

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

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 and 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 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 25,000	\$ 0	\$ 25,000	\$ 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		\$ 25,000		\$ 25,000		\$ 50,000
TOTALS	\$ 0	\$ 25,000	\$ 0	\$ 25,000	\$ 0	\$ 50,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Equipment: Bobcat Skid-Steer Loader

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 19 year old unit that has 2,300 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 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 40,000	\$ 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	\$ 0	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 40,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Vehicle- Replace Truck

DATE SUBMITTED: 10.01.18

DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 24,000 miles. Repairs and maintenance are normal at this point but will increase as the vehicle 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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other			\$ 55,000			\$ 55,000
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 55,000	\$ 0	\$ 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	\$ 55,000	\$ 0	\$ 0	\$ 55,000

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Public Safety Communications

Division: Communications

Prepared By: Kelly Banister

Date Prepared: October 1, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
1	Keltron Alarm Monitoring Equipment Replacement	90,000					90,000
1	City-Wide Communications Equipment Upgrade	250,000	500,000	500,000	500,000	500,000	2,250,000
							0
	Totals	340,000	500,000	500,000	500,000	500,000	2,340,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Keltron Fire Alarm Monitoring System Replacement

DATE SUBMITTED: 10/16/18

DEPARTMENT PROJECT INFORMATION

Department: **Public Safety Communications**

Department Contact: **Kelly Bansiter**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The Dispatch Center monitors fire alarms for business and burglar and fire alarms for City buildings. Phone lines, radio waves and computers are the technology used for the system. Our current system is approximately 10 years old and is coming to the end of line. System components are becoming obsolete and difficult to obtain. This monitoring system is needed for early detection of potential emergencies to buildings and property owned privately and publically. Like most computer driven systems, equipment refresh must occur as technology evolves in order to function properly.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The ability to have correctly functioning equipment reduces the liability on the dispatch center and the city. Replacing outdated equipment will also reduce the potential of a costly repair in the event of failure.

Cost to Maintain:

Equipment life should be 7 years; a refresh will be required then. There will be an annual \$2500 fee for technical support, maintenance and licensing which can be paid for by the department budget.

Describe all Benefits and/or Savings:

Upkeep in equipment will reduce liability, reduce costly repairs for equipment failure as well as delayed operation due to the inability to find replacement parts.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 90,000					\$ 90,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 90,000	\$ 0	\$ 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	\$ 90,000					\$ 90,000
TOTALS	\$ 90,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 90,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: City-wide Communications
Equipment Upgrades

DATE SUBMITTED: 10/16/18

DEPARTMENT PROJECT INFORMATION

Department: **Public Safety Communications**

Department Contact: **Kelly Banister**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Our current radio infrastructure is starting to have disruptions in service due to aging equipment and technology. As technology continues to improve, new equipment may not be compatible with our current systems. The police radio uses copper wire to transport communication between radio towers and supporting/maintaining these systems by vendors are no longer a priority. We are also identifying problem areas in the city where communication are not clear and are non-existent.

Funding is requested to implement recommendations based on the Radio Consulting Services Study from FY20. This will ensure that money is anticipated to fund projects and necessary equipment to improve communications systems and equipment for multiple departments.

The monetary amounts are only estimates and may change based on the Radio Report from FY20.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Improving the system will ensure the best transmissions possible to protect responders and citizens. Failure to improve the system could result in costly repairs to aging equipment.

Cost to Maintain:

There will be general maintenance and upkeep to equipment. Most new equipment will have a warranty.

Describe all Benefits and/or Savings:

Having a planned funding for this project will have less of an impact than if the city needs to make emergency repairs to existing equipment. Newer equipment and infrastructure will improve interoperability amongst departments in the city as well as other communities.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 50,000					\$ 50,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 200,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,200,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 250,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,250,000
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	\$ 150,000	\$ 150,000	\$ 150,000		\$ 950,000
TOTALS	\$ 500,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 0	\$ 950,000

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department - Fire Rescue	Critical Safety Planning	Division: Public Safety	
Prepared by: Duane Nichols		Date Prepared: 1-Oct-18	

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
1	SCBA Replacement	45,500					45,500
2	Vehicle Lift for Shop	48,000					48,000
3	Replace Utility/Brush Unit	70,250					70,250
4	Staff Vehicle	42,000			42,500		84,500
5	Replace 2006 Engine		640,000				640,000
6	Replace Mechanic /Plow Vehicle		62,250				62,250
7	Replace ATV with Utility Task Vehicle			22,000			22,000
10	SCBA Replacement				95,000		95,000
11	Command Vehicle Replacement					58,000	58,000
12	Thermal Imager Replacement					35,500	35,500
							0
	Totals	205,750	702,250	22,000	137,500	93,500	1,161,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: SCBA Replacement

DATE SUBMITTED: October 1, 2018

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols, Fire Chief**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

This project would replace the six oldest SCBA's that are currently on our three front line ambulances. Presently we have three primary ambulances that provide initial response to fires when available. The SCBA's on these units will be 10 years old next year. Replacing them will help with establish rotation so the department will not need to replace all our SCBA's at one time. Completing this project would put the departments inventory of SCBA's under 5 years of age and maintain a rotation of these units for the future.

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. Replacing these older units will help create a rotation of SCBA's within the department.

Cost to Maintain:

The cost to maintain and test new units is approximately \$300 per unit. As these units age the cost can increase because of necessary repairs do to age and use.

Describe all Benefits and/or Savings:

Replacing six outdated self contained breathing apparatus (SCBA) would provide current SCBA's in all three front line ambulances. This would also help the department establish a rotation for our SCBA's so we would not have to replace all at one time.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 45,500					\$ 45,500
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 45,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 45,500
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	\$ 45,500					\$ 45,500
TOTALS	\$ 45,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 45,500

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Vehicle Lift for Shop

DATE SUBMITTED: October, 1, 2018

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols, Fire Chief**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 for repair work. At times this method of lifting is a hindrance for repairs and not the safest manner to perform the work. Ideally it would be best to be able to lift the apparatus up high to perform repairs. This would allow us to thoroughly inspect the underside of the vehicle to troubleshoot problems or service the vehicle. 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 to be able to better handle preventive maintenance and repairs, with the overall 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 by being able to lift the apparatus up to work safely beneath it. This project will increase our worker safety in our repair division.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Having the lift system would allow for safer environment to perform preventive maintenance and in-house repairs, with the goal of reducing expenses.

Cost to Maintain:

Annual cost for testing is estimated at \$400 per year.

Describe all Benefits and/or Savings:

This system would save money by being able to perform more in-house repairs and preventive maintenance, with the goal of reducing repair expenses for the department. Also having the ability to perform better inspections and cleaning of the under carriage will help extend the life of our apparatus. It would also create a safer work environment in our repair division.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 48,000					\$ 48,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 48,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 48,000

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	\$ 48,000					\$ 48,000
TOTALS	\$ 48,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 48,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Replace Utility/Brush Unit

DATE SUBMITTED: October 1, 2018

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols, Fire Chief**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

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 (23 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 off road areas in many of the rural portions of the City and in the Meadows area for brush fires and rescues. This project would replace only the vehicle, as 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 department needs a reliable agile vehicle to access wild land fires is key to rapidly controlling outside fires and perform off road rescue operations.

Cost to Maintain:

Maintenance cost estimate for this vehicle is \$500 per year.

Describe all Benefits and/or Savings:

The primary benefit of a unit of this type is that it can provide rapid response to outside fires and support off road rescue situations. This is especially useful in the Meadows and out lying areas of the city where access for larger vehicles is limited. It is essential to have a reliable vehicle to respond quickly to brush fires and outdoor rescues. This would help reduce property damage and expedite off road rescues.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 70,250	\$ 0	\$ 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	\$ 70,250	\$ 0	\$ 0	\$ 0	\$ 0	\$ 70,250

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Staff Vehicle

DATE SUBMITTED: October 1, 2018

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols, Fire Chief**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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. With this methodology we are trying to maximize the life span of administrative vehicles.

This project would replace a 2006 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 this vehicle is estimated at \$1,000 per year. This cost will increase as the vehicle ages as 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 our reliability.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase	\$ 42,000			\$ 42,500		\$ 84,500
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 42,000	\$ 0	\$ 0	\$ 42,500	\$ 0	\$ 84,500
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	\$ 42,000			\$ 42,500		\$ 84,500
TOTALS	\$ 42,000	\$ 0	\$ 0	\$ 42,500	\$ 0	\$ 84,500

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Replace 2006 Engine

DATE SUBMITTED: October 1, 2018

DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue					
Department Contact:	Duane Nichols					
Fiscal Year(s) Requested:	FY20 <input type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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

This project would replace a 2006 pumper that will be 16 years old when replaced. This unit was purchased new in 2006 and has transitioned from the front line to a backup unit over the course of its life. It is not the oldest engine in the fleet but it is the one in the worst shape. It has extensive rust and rot on its under carriage and has over 104,000 miles on it. Due to the amount of repairs needed to keep it operable for the next 5 years, we have determined it will be 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 are a burden on the Ordinary Maintenance (OM) budget as we anticipate needed repairs. Estimate cost to maintain is roughly \$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 along with providing reliable equipment. We continue to see higher call volumes every year which translate to high road miles and engine hours on our apparatus. Establishing this rotation will help us provide reliable apparatus for response to emergency calls.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase		\$ 640,000				\$ 640,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 640,000	\$ 0	\$ 0	\$ 0	\$ 640,000
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		\$ 640,000				\$ 640,000
TOTALS	\$ 0	\$ 640,000	\$ 0	\$ 0	\$ 0	\$ 640,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Replace Mechanic/ Plow Vehicle

DATE SUBMITTED: October 1, 2018

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols, Fire Chief**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

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 major snow storms. Also, this vehicle provides timely plowing of both fire stations to keep emergency access for response to calls. In heavy snow falls it is dispatched with apparatus to help facilitate access to emergency scenes. Having a reliable vehicle is crucial to the operations of the department for emergency repairs and snow removal.

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, which will facilitate rapid on road repairs, helping return our fleet of apparatus getting back in service.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 62,250	\$ 0	\$ 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	\$ 62,250	\$ 0	\$ 0	\$ 0	\$ 62,250

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Replace ATV with Utility Task Vehicle

DATE SUBMITTED: October 1, 2018

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols, Fire Chief**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 distance. 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 nor 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. It would be outfitted with a stretcher mounting kit for the rear which would properly secure the patient in the unit. This would provide a safe reliable means of transporting personnel and patients from remote areas of the City. It could also 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.

Cost to Maintain:

Currently we spend approximately \$300 a year to maintain ATV. As the unit ages, repairs are expected to increase.

Describe all Benefits and/or Savings:

Our current ATV will be 22 years old when replaced. Better technology and safety systems will improve the safety of our personnel responding to off road incidents. Benefits would include better patient care by having the proper equipment to transport the injured along with increased safety for patient and personnel. This vehicle will also be used for wild land fire fighting, transporting firefighting equipment and personnel 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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings			\$ 22,000			\$ 22,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 22,000	\$ 0	\$ 0	\$ 22,000
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			\$ 22,000			\$ 22,000
TOTALS	\$ 0	\$ 0	\$ 22,000	\$ 0	\$ 0	\$ 22,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: SCBA Replacement

DATE SUBMITTED: October 1, 2018

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols, Fire Chief**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

This project would replace six self-contained breathing apparatus (SCBA), and replace fifteen out-of-date air cylinders. Presently, all our units are equipped with SCBA's to provide responders with respiratory protection. This request is part of a plan to provide front line apparatus with new SCBA's while rotating older units to reserve apparatus. With this rotation it will be more cost effective by maximizing the life expectancy of these units by not having all the equipment replaced at one time. This project would allow all "First Due" firefighters to have self-contained breathing apparatus that meets the current standard. Air bottles have a life span of 15 years. Currently most of our bottles will expire at the same time. Purchasing 15 bottles will help maintain a rotation without the risk of all the bottles expiring at the same time.

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. If recommended, this provides compliant SCBA's and provides current up-to-date cylinders.

Cost to Maintain:

The cost to maintain one SCBA is approximately \$300 per year. This is an annual test to ensure it is working properly.

Describe all Benefits and/or Savings:

The primary benefit is that we would be providing consistent and compliant equipment to our first responders' safety. Creating a rotation of these units as they age will maximize the life span of the units along with avoiding a major purchase of all new equipment.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 95,000	\$ 0	\$ 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	\$ 95,000	\$ 0	\$ 95,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Command Vehicle Replacement

DATE SUBMITTED: October 1, 2018

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols, Fire Chief**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The Department has developed a strong tactical and incident command orientation, this vehicle has become an indispensable tool. This unit responds to any situation requiring more than one unit, receives extremely heavy use and allows the shift commander flexibility and support for the overall coordination of staff. Based upon its importance, this vehicle must be extremely reliable. The replacement of this unit would provide a reliable and appropriate resource. The current unit would transition and continue to function within the Department as a utility vehicle until the conclusion of its useful service life.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Reduced response reliability by the shift commander. Reduced effectiveness and lack of command and control.

Cost to Maintain:

Annual repair/ maintenance cost is estimated at \$1,000.

Describe all Benefits and/or Savings:

The key to effective fire-ground operations and coordination of multiple incident can be found in an organizations capability to provide direction, flexible deployment and command and control. Those essential functions are the purpose of this unit. It would also provide reliability which would strengthen our emergency response capabilities and service level provided to Northampton.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase					\$ 58,000	\$ 58,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 58,000	\$ 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					\$ 58,000	\$ 58,000
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 58,000	\$ 58,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Thermal Imager Replacement

DATE SUBMITTED: October 1, 2018

DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols, Fire Chief**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

This project is to replace the thermal imagers in our fire engines. Having these imagers is vital for life safety to quickly find victims in a fire. They also have proven beneficial in outside searches for lost individuals, hazardous materials situations and locating hidden fire in structures. Our current thermal imagers are currently between 8-10 years old and are showing signs of wear. The technology continues to improve with these devices every year. Our current devices will be 15 years old when replaced. Manufacturer recommends replacement of devices between 12-15 years of age. As the technology improves it will help with our ability to provide the highest level of emergency service to the community.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended we will see increased maintenance costs as our current devices age and we will fall behind in current technology.

Cost to Maintain:

As our current thermal imagers continue to age we will experience increase repair costs. Minimum cost to have a device checked by the manufacturer is \$500, price increases once repairs are identified.

Describe all Benefits and/or Savings:

Thermal imagers are important tools for finding victims in structure fires. Locating them quickly is essential for survival in a fire. Having the current technology will help firefighters be more efficient when performing these tasks. Thermal Imagers receive a lot of wear and tear. As they age repair costs increase, having a replacement plan will help reduce these expenditures.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings					\$ 35,500	\$ 35,500
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 35,500	\$ 35,500
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					\$ 35,500	\$ 35,500
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 35,500	\$ 35,500

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Information Technology Services

Division:

Prepared By: Antonio Pagán

Date Prepared: October 19, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
0	Annual ITS Equipment Replacement	50,000	50,000	50,000	50,000	50,000	250,000
0	NPS: 1:1 ChromeBooks Project	205,000					205,000
0	NPS: Server System Replacement	85,000	35,000				120,000
0	WAN Switches Update - NPS	20,500	20,500				41,000
1	Municipal Broadband Study	30,000	40,000				70,000
1	WAN Switches Update - City	25,500	25,500				51,000
1	WAN Switches Update - Public Safety	13,800					13,800
2	Senior Center Technology Improvements	10,900					10,900
2	City Server System Replacement			150,000			150,000
2	NPD: Server System Replacement			150,000			150,000
2	UPS Systems Replacement - NFD				35,000		35,000
							0
Totals		440,700	171,000	350,000	85,000	50,000	1,096,700

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Annual ITS Equipment Replacement

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Information Technology Services**

Department Contact: **Antonio Pagan**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Annual ITS Equipment Replacement

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 2020	FY 2021	FY2022	FY2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
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	\$ 250,000
TOTALS		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: NPS 1:1 ChromeBooks Project

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department:	IT Services				
Department Contact:	Antonio Pagán				
Fiscal Year(s) Requested:	FY20 <input checked="" type="checkbox"/>	FY21 <input type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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 checked="" type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>

PROJECT DESCRIPTION

As Northampton Public Schools (NPS) continue to expand in becoming a 21st Century School System, they need to maintain keeping pace with the ever-changing technology environment. By deploying enough ChromeBooks units at the 9-12 grade levels to allocate one unit per student in addition to Computer Labs and other available devices, students will have the opportunity to explore digital literacy at a larger scale and develop the highly needed competencies.

Based on our experience deploying these devices during the last few years in the Middle School, the plan is to equip the High School during the SY 2019-2020.

The funding will cover the ChromeBooks units, cases to protect them, WiFi hotspots and other miscellaneous accessories.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Digital literacy is paramount for career and college preparedness. This project will increase access to learning, primarily for disadvantaged students represent an opportunity to be exposed to diverse tools.

Cost to Maintain:

Current infrastructure has enough capacity to grow without additional investment. Replacement of defective units is relatively inexpensive, this expense line should increase by 15% (approx.).

Describe all Benefits and/or Savings:

The selected technology (ChromeBooks) represent an affordable option compared to Windows Laptops or Apple iPads while providing a comparable experience to the students. The life expectancy of these devices is five years, therefore NPS will, plan to replace them periodically on a similar schedule used for current technology which is three times more expensive.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 205,000					\$ 205,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 205,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 205,000
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	\$ 205,000					\$ 205,000
TOTALS	\$ 205,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 205,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: NPS Server System Replacement

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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. During the first assessment we considered the need to replace existing equipment withing four to five years. At this point, we have evaluated better and there is the need for start the replacement earlier.

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 85,000	\$ 35,000				\$ 120,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 85,000	\$ 35,000	\$ 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	\$ 85,000	\$ 35,000				\$ 120,000
TOTALS	\$ 85,000	\$ 35,000	\$ 0	\$ 0	\$ 0	\$ 120,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: WAN Switches Update - NPS

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department:	IT Services				
Department Contact:	Antonio Pagán				
Fiscal Year(s) Requested:	FY20 <input checked="" type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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 checked="" type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>

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 illegible for eRate funding.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 20,500	\$ 20,500				\$ 41,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 20,500	\$ 20,500	\$ 0	\$ 0	\$ 0	\$ 41,000
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	\$ 20,500	\$ 20,500				\$ 41,000
TOTALS	\$ 20,500	\$ 20,500	\$ 0	\$ 0	\$ 0	\$ 41,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Municipal Broadband Study

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The City of Northampton is exploring the needs and feasibility of a Municipal Broadband initiative to provide business and residential customers with Gig Internet services. We are interested to hire a market research firm to perform a market research and feasibility study in this regard. Like electricity, water, and efficient roadways, broadband is a critical utility. In fact, while we are able to go “off the grid” for electricity and water, the broadband “grid”, which includes connectivity with the world wide web, cannot be replaced through off-the-grid solutions. You either have access to broadband or you do not. One of the recommendations from the "Leveraging for Growth, Northampton Municipal Network Strategy and Plan" presented in 2016 was to explore the community needs by gathering accurate information regarding the market and existing infrastructure.

These studies will provide essential information for the City of Northampton's leadership to choose options that would allow this initiative to move forward or not.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If recommended, the IT Services Department will be able to provide the Mayor's Office with sound recommendations regarding the needs and potential costs of such an initiative.

Cost to Maintain:

This is a one time investment for gathering accurate information regarding the feasibility of a Municipal Broadband initiative.

Describe all Benefits and/or Savings:

During the last few years there has been interest on exploring the development of a reliable, affordable, and secure broadband infrastructure to serve the community. After gathering input from multiple institutions, it is clear that accurate information regarding the needs for Gig Internet Services, as well as the related long and short term costs is the proper next step in this process. The results will allow the City to better assess the opportunities and challenges that would be faced.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study	\$ 30,000	\$ 40,000				\$ 70,000
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 30,000	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 70,000
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	\$ 40,000				\$ 70,000
TOTALS	\$ 30,000	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 70,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: WAN Switches Update - City

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 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), this will be the third year. Labor performed by ITS Staff.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 25,500	\$ 25,500				\$ 51,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 25,500	\$ 25,500	\$ 0	\$ 0	\$ 0	\$ 51,000
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	\$ 25,500	\$ 25,500				\$ 51,000
TOTALS	\$ 25,500	\$ 25,500	\$ 0	\$ 0	\$ 0	\$ 51,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: WAN Switches Update - Public Safety

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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), this will be the second year of implementation. 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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 13,800					\$ 13,800
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 13,800	\$ 0	\$ 0	\$ 0	\$ 0	\$ 13,800
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	\$ 13,800					\$ 13,800
TOTALS	\$ 13,800	\$ 0	\$ 0	\$ 0	\$ 0	\$ 13,800

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Senior Center Technology Improvements

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The technology currently implemented in the Senior Center is becoming outdated and needs to be upgraded in order to provide better services to its community. This project will allow to equip the Great Room, Computer Lab and other facilities with better A/V and computers technology.

The lively Senior Center community participates in multiple activities during the weekly schedule and the staff need better methods to communicate and serve them.

Interactive digital signage will streamline our communication with patrons and will give us a way to clearly highlight the programs and services offered through Senior Services. Mobile computers will provide more options for flexible use of technology and will allow connection to the Internet from any space in the building. Projection and audio needs have expanded to not only include DVDs but also streaming of movies and other content. There are needs for a projector and audio system that can easily accommodate different sources including streaming.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If recommended, this project will allow the staff to provide more flexible and mobile computing services to the community and effectively host events and activities that demand newer technologies.

Cost to Maintain:

The hardware recommended on this request will have a five to seven years of life and would be serviced by the IT Services team.

Describe all Benefits and/or Savings:

Senior Services goals at this time center around expansion: expansion in the diversity of programming, expansion in hours, expansion in the number of people we are serving. Current technology has been sufficient in the past, however updated technology will be needed to support our expansion efforts. This will not only keep us relevant with seniors that are tech savvy, it will allow us to provide better communication and services to members across the board.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 10,900					\$ 10,900
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 10,900	\$ 0	\$ 0	\$ 0	\$ 0	\$ 10,900
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	\$ 10,900					\$ 10,900
TOTALS	\$ 10,900	\$ 0	\$ 0	\$ 0	\$ 0	\$ 10,900

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: City Server System Replacement

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 2020	FY 2021	FY2022	FY 2023	FY2024	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 FY20-FY24

PROJECT TITLE: NPD Server System Replacement

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 2020	FY 2021	FY2022	FY 2023	FY2024	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 FY20-FY24

PROJECT TITLE: UPS Systems Replacement

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagán**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The life expectancy for an Uninterrupted Power Supply (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 5 years after purchase of the UPS. Currently batteries for all three units are approximately \$15,000 replacement 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 2020	FY 2021	FY2022	FY 2023	FY2024	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
FORM CIP - 1: Departmental Capital Projects Summary

Department: NPS

Division:

Prepared By: Camie Lamica

Date Prepared: 10/18/18

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
	School Bus Replacement	110,000	120,000	125,000			355,000
	Multi-purpose Activity Bus	60,000					60,000
	District-Wide: Food Service Point of Sale Upgrade		50,000				50,000
	JFK: Walk-in Freezer			30,000			30,000
							0
	Totals	170,000	170,000	155,000	0	0	495,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: School Bus Replacement

DATE SUBMITTED: 10/17/18

DEPARTMENT PROJECT INFORMATION

Department:	NPS				
Department Contact:	Camie Lamica				
Fiscal Year(s) Requested:	FY20 <input checked="" type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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 operating 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 of own vehicles is to contract out the transportation, but this can easily cost \$265 per day or more, depending on the type of vehicle and length of the routes.

NPS has purchased 2 new buses; one in FY15 and one in FY16, funding one fully from the school department's bus revolving account and one through 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, incur more mileage, requiring more repairs and possibly more breakdowns. Currently, our two oldest buses serve as spares.

Cost to Maintain:

A new vehicles will cost substantially less than older vehicles, but there will still be ongoing maint. costs for any bus. All IC buses are purchased 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: During FY19 requests, we moved the time line for replacement from FY19 to FY20 on the condition of the fleet. We will continue to monitor the condition going forward.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase	\$ 110,000	\$ 120,000	\$ 125,000			\$ 355,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 110,000	\$ 120,000	\$ 125,000	\$ 0	\$ 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	\$ 110,000	\$ 120,000	\$ 125,000	\$ 0	\$ 0	\$ 355,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Multi-purpose Activity Bus

DATE SUBMITTED: 10/17/18

DEPARTMENT PROJECT INFORMATION

Department:	NPS									
Department Contact:	Camie Lamica									
Fiscal Year(s) Requested:	FY20	<input checked="" type="checkbox"/>	FY21	<input type="checkbox"/>	FY22	<input type="checkbox"/>	FY23	<input type="checkbox"/>	FY24	<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

The students enrolled in the HS IT Innovation Pathway program will be taking courses at Greenfield Comm College (GCC) and as well as internships in the area. Additionally, they will be taking classes through Tech Foundry (TF) in Springfield, MA. Because of the nature of the program striving to make a difference for students in lower socio-economic status and those who also are likely too young to drive, transportation will be needed to transport these students. Starting their Junior year, it is expected that they're taking classes through GCC. Senior year, they will be continuing classes at GCC and then TF (Spfld). The state has funded program startup costs however, it is expected we provide the transportation. Currently, we used the IT van to move students in district for their summer internship however, that van only seats 4 students, and there are eighteen in one group already.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

We can only move 4 students with IT van, and there are students in program. Need adult supervision at each location for multiple trips. Conflict with IT dept. schedule needing van to move large devices

Cost to Maintain:

Gas and regular scheduled maintenance will be paid from either grant funds or operating budget at a cost of approximately \$4,000

Describe all Benefits and/or Savings:

- Once the first class reaches their Junior yr it is expected the transportation need will increase considerably and as the program continues to be a success student involvement will continue to require consistent transportation.
- Multiple trips and added adult supervision will not be needed
- Provide oppty to populations to participate in this education program who are in need of transport also

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase	\$ 60,000					\$ 60,000
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- Smith College Donation	\$ 50,000					\$ 50,000
City Appropriation	\$ 10,000					\$ 10,000
TOTALS	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 60,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: District-Wide: Food Service Point of Sale Upgrade

DATE SUBMITTED: 10/18/18

DEPARTMENT PROJECT INFORMATION

Department: **NPS**

Department Contact: **Camie Lamica**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Purchase new point of sale software/hardware to operate our food service program for all students and comply with DESE reporting requirements. Current system (Lunchbox) system requires manual entry of student data and does not allow us to upload images since it is not compatible with our student database system so data cannot be easily transferred between systems. An upgraded system would allow us to produce the required school meal program documents (menu planning and other meal required documents) and reports, directly from the software, required by DESE. From what we can determine, our records indicate the current software/hardware system was purchased in 2007.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

An upgraded system would provide us reports, documents, student data all directly from the system rather than relying on manual entry, which is time consuming and increases chance of errors.

Cost to Maintain:

Annual maintenance cost of \$8,000. We currently pay \$6,000 for annual maintenance on outdated system.

Describe all Benefits and/or Savings:

- Increase in data integrity without manual entry between two separate student databases
- Ability to produce required reports to DESE directly from the software
- Includes menu planning program and required meal program documents in the upgraded software
- Replace outdated software system
- With an upgraded software system, we are able to transfer electronically all the student data needed

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings		\$ 50,000				\$ 50,000
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 FY20-FY24

PROJECT TITLE: JFK: Walk-in Freezer

DATE SUBMITTED: 10/18/18

DEPARTMENT PROJECT INFORMATION

Department: **NPS**

Department Contact: **Camie Lamica**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The current walk in freezer for the JFK food service program cafeteria is approximately 20 years old. The average life span of these units is approximately 15 years. Replacement of the unit would require purchase/installation of the new unit as well as removal of the old unit. The new unit would be tied into the school's alarm system to alert personnel if temperature in the unit dropped to a certain point, in order to call for emergency maintenance services to protect stored frozen food items. Due to a number of yearly failures over the last five years, the program has had to replace food items at increased expense to the program.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Loss of food items, increased expense, food items not available for student meals if unit fails. Inability to store food items purchased thru commodity prog at reduced costs to need to be purchased retail co

Cost to Maintain:

More energy efficient unit would most likely reduce operating (electricity) costs.

Describe all Benefits and/or Savings:

- Increased energy efficiency of unit
- Less repair bills
- Less loss of food and need to replace food items on retail basis rather than reduced cost commodity prices
- Having the unit tied into the school's alarm system would reduce the potential loss of food items

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings			\$ 30,000			\$ 30,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 30,000	\$ 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	\$ 0	\$ 0	\$ 30,000	\$ 0	\$ 0	\$ 30,000

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Treasurer/Collector/Parking

Division:

Prepared By: Kristine Bissell

Date Prepared: October 17, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
							0
High	Vehicle Replacement Plan		30,000	30,000			60,000
							0
	Totals	0	30,000	30,000	0	0	60,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Vehicle Replacement Plan

DATE SUBMITTED: 10/17/2018

DEPARTMENT PROJECT INFORMATION

Department: **Treasurer/Collector/Parking**

Department Contact: **Kristine Bissell**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

A rolling replacement of Parking Enforcement vehicles over a two fiscal year period. Both are 2015 Nissa Leaf electric vehicles that were purchased in December 2014. The target dates for the replacement is FY21 and FY22. Each vehicle is powered by lithium ion batteries that have a limited service life. The Manufacturer states that it is expected that all lithium ion batteries will experience a reduction in the amount of charge retained over time. It expects the vehicle to retain 9 or more bars of capacity through 5 years of normal use, dependent upon the individual usage and operating environment. Cold weather effects the rate of capacity loss. The maximum number of bars is 12. The current 5-year/60,000 mile warranty does not cover loss of battery capacity due to age. This schedule will replace current vehicles in the 7-8 year range. If a battery need to be replaced, the current anticipated cost is approximately \$6k.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The vehicles are a necessity to the daily operations of the Parking Enforcement. A vehicle replacement plan will enable consistent and efficient citywide parking controls and parking revenues.

Cost to Maintain:

Replacement cost is \$6k per battery.

Describe all Benefits and/or Savings:

The vehicles were purchased using grant funding from the Commonwealth of Mass and, although, there is no guarantee to receive additional funding, there is strong support in purchasing and using EV to reduce costs and affects on our environment. The EV vehicles have eliminated gasoline costs for Parking Enforcement and have reduced the overall maintenance costs associated with them.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase		\$ 30,000	\$ 30,000			\$ 60,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 30,000	\$ 30,000	\$ 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		\$ 30,000	\$ 30,000			\$ 60,000
TOTALS	\$ 0	\$ 30,000	\$ 30,000	\$ 0	\$ 0	\$ 60,000

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Planning & Sustainability

Division: _____

Prepared By: Wayne Feiden

Date Prepared: 10/19/2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
2	Design Multi-use Trails (bicycle paths)	60,000	60,000	60,000	60,000	60,000	300,000
3	Florence Center Streetscape Design	100,000					100,000
1	Fitzgerald Lake Parking Lot & Path		50,000				50,000
4	Retiring Tax Title		30,000	30,000	30,000	30,000	120,000
5	Comprehensive Planning Implementation		50,000	50,000	50,000	50,000	200,000
Totals		160,000	190,000	140,000	140,000	140,000	770,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Design MultiUse Trails (bicycle paths)

DATE SUBMITTED: 10/13/2018

DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

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

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

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. Funds are partially matched by two new grants that the city has received. 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:

Trail projects will be delayed and lose the ability to leverage both CPA and state and federal funds. State and federal constructions funds are almost certainly higher now than they will be in the future.

Cost to Maintain:

Approximately \$2,000 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.

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Florence Center Streetscape Design

DATE SUBMITTED: 10/19/18

DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

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

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Florence Center Streetscape (lights, sidewalks, street furniture, etc) was mostly done 35 years ago. It is ready for a refresh. This project will allow a community-engaged design to identify and design the most important elements of a refresh, with full planning, specifications, estimates, and bid packages for this work. The bid package can be used for future city or grant funding in future years.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Florence Center will be at a competitive disadvantage for both economic development and community vibrancy and will not be eligible for grants that are sometimes available for shovel-ready projects

Cost to Maintain:

Lower cost than the current cost of maintaining 35-year old infrastructure.

Describe all Benefits and/or Savings:

Any new concrete, street furniture or other improvements will be easier to maintain than the current 35-year old infrastructure. The design can potentially leverage state grants that Florence is not otherwise eligible for.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 100,000					\$ 100,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 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	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 100,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Fitzgerald Lake Parking Lot and Path

DATE SUBMITTED: 10/13/18

DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

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

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The Fitzgerald Lake Parking Lot and the handicap accessible path from the parking lot to the boardwalk at the lake are both at the end of their life span. A capital improvement now will allow the base to be salvaged at a much lower cost than waiting until it degrades. The parking lot needs new paving for the handicap parking lot and new grading and gravel for the rest of the lot. The trail needs to have roots removed and repaired and then a skim coat of pavement.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The cost of a future parking lot repair will be significantly higher.

Cost to Maintain:

Virtually zero. The area is maintained by volunteers with less than 20 hours/year of planning field staff.

Describe all Benefits and/or Savings:

The base parking lot and trail can be reused if the work is done soon. The facility is 21 years old, with some minor repairs 13 years ago. This investment should last another two decades.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering		\$ 6,000				\$ 6,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 44,000				\$ 44,000
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 FY20-FY24

PROJECT TITLE: Retiring Tax Title

DATE SUBMITTED: 10/13/2018

DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

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

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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. This lowers the available levy limit for actual funds collected 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.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition		\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 120,000
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 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		\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 120,000
TOTALS	\$ 0	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 120,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Comprehensive Planning Implementation

DATE SUBMITTED: 10/13/2018

DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

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

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The City is updating its Resiliency & Regeneration section of its comprehensive plan (2018-2019) and will then update the comprehensive plan itself (2019-2020). Funding is needed to complete the plan update and then 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:

\$300/year

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering		\$ 50,000				\$ 50,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other			\$ 50,000	\$ 50,000	\$ 50,000	\$ 150,000
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 FY20-FY24

PROJECT TITLE: Improvements at Playing Fields

DATE SUBMITTED: 10/19/2018

DEPARTMENT PROJECT INFORMATION

Department: Parks & Recreation in collaboration with DPW Parks Div. and School Dept.

Department Contact: Ann-Marie Moggio, Director

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 Hamp High 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 the Fall. The same occurs at JFK with softball and soccer. 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 extra curricular 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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 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						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Smith Vocational and Agricultural High School

Division: _____

Prepared By: Dr. Andrew Linkenhoker

Date Prepared: 10/18/2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
1	ADA Doors (Bld A,B,C)	46,500					46,500
3	Student Activity Vans	110,000					110,000
2	Window Replacement Building A & B		300,000				300,000
4	Roof Replacement Building D		400,000				400,000
							0
	Totals	156,500	700,000	0	0	0	856,500

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: ADA Doors (Bld A,B,C)

DATE SUBMITTED: 10/18/18

DEPARTMENT PROJECT INFORMATION

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

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

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Replace one set of exterior doors on three entrance points of building A, one entrance point building B, and one entrance point building C to include ADA swing-door operator. This will make our entrances handicapped accessible.

Building A cost \$33,000

Building B cost \$11,000

Building C cost \$ 2,500

\$46,500 Total requested

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended, assistance will still be needed when students or guests are on campus.

Cost to Maintain:

Describe all Benefits and/or Savings:

Egress to building by public, staff and students that are in need of assistance.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements	\$ 46,500					\$ 46,500
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 46,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 46,500
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	\$ 46,500					\$ 46,500
TOTALS	\$ 46,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 46,500

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Student Activity Vans

DATE SUBMITTED: 10/18/18

DEPARTMENT PROJECT INFORMATION

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

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

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Smith Vocational High School maintains school activity vans to transport students to and from work sites. Out of our 5 aging fourteen passenger vans; we would like to replace 2 of them. The vans are seventeen years old and are in need of constant repair despite the growing needs of transporting students to work sites and athletic events (that do not require a full size bus). The vans are also utilized in the summer by Northampton Parks and Rec and during the school year whenever they are not in use by Smith Vocational. The vans can be also be signed out by other City Departments. Approx cost per vehicle \$55,000. Request x 2 = \$110,000.

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 maintenance costs are paid by SVAHS Facilities Department, including fuel and regular on-going maintenance.

Describe all Benefits and/or Savings:

The new vehicles would be reliable, cost efficient, and a benefit not only to SVAHS but other City Departments.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase	\$ 110,000					\$ 110,000
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 110,000
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	\$ 110,000					\$ 110,000
TOTALS	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 110,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Windows Replacement - Bldg A & B

DATE SUBMITTED: 10/18/18

DEPARTMENT PROJECT INFORMATION

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

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

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

As a result of the Con-Ed 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. Rust and corrosion is now degrading the frames and temporary measures to correct draft problems will no longer suffice due to age and condition. An estimate of \$300,000 for window replacements and asbestos removal found in the caulking of the windows.

Building A - 48 windows
Building B - 23 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:

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. The windows would be double pained, sealing windows.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
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	\$ 0	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 300,000
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		\$ 300,000				\$ 300,000
TOTALS	\$ 0	\$ 300,000	\$ 0	\$ 0	\$ 0	\$ 300,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Roof Replacement - Building D

DATE SUBMITTED: 10/18/18

DEPARTMENT PROJECT INFORMATION

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

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

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

SVVHS Officials have started the countdown that D building roof will need to be replaced in 2 years. D Building was built in 1950 and the last time the roof was replaced was 1981 (30+yrs ago). With this project in mind, School Officials are considering the use of the D building facility in the long term. D building 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.

Cost to Maintain:

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements		\$ 400,000				\$ 400,000
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 400,000	\$ 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	\$ 0	\$ 400,000	\$ 0	\$ 0	\$ 0	\$ 400,000

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Public Works

Division: General

Prepared By: Donna LaScaleia

Date Prepared: November 1, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
	Wood Waste Disposal	10,000	10,000	10,000	10,000	10,000	50,000
	Sidewalks	150,000	175,000	175,000	200,000	200,000	900,000
	Street Resurfacing	2,500,000	1,500,000	1,500,000	1,500,000	1,500,000	8,500,000
	Road Improvements	250,000	250,000	250,000	250,000	250,000	1,250,000
	Vehicle Replacements	220,000	826,500	840,000	447,000	891,500	3,225,000
	Cemetery Improvements	25,000	25,000	25,000	25,000	25,000	125,000
	Traffic Calming	10,000	10,000	10,000	10,000	10,000	50,000
	Traffic Signals	50,000	50,000	50,000	50,000	50,000	250,000
	Trees	50,000	50,000	50,000	50,000	50,000	250,000
	Forbes Library Drainage	50,000	250,000				300,000
	Spring Grove Storage	950,000					950,000
	Fuel Depot	350,000					350,000
	DPW Storage Facility	350,000					350,000
	Totals	4,965,000	3,146,500	2,910,000	2,542,000	2,986,500	16,550,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Wood Waste Disposal

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 efficient manner.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Wood waste must be disposed of in an efficient manner.

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Sidewalks

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department:	Public Works				
Department Contact:	Donna LaScaleia				
Fiscal Year(s) Requested:	FY20 <input checked="" type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY24 <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 was completed in early 2018. It includes project recommendations which will be reviewed by the DPW and scheduled for implementation.

Priority project areas are within 1/4 mile of the seven public schools, within 1/4 mile of Downtown Northampton and Florence Center, and between 1/4-1/2 mile of the business districts and schools. FY19 projects included portions of Hampton Avenue and Wright Avenue as part of comprehensive roadway reconstruction.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The City's sidewalks are in need of upgrades and repairs to ensure accessibility and safe pedestrian passage.

Cost to Maintain:

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

Describe all Benefits and/or Savings:

Provides accessibility and 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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 150,000	\$ 175,000	\$ 175,000	\$ 200,000	\$ 200,000	\$ 900,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 150,000	\$ 175,000	\$ 175,000	\$ 200,000	\$ 200,000	\$ 900,000
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	\$ 175,000	\$ 175,000	\$ 200,000	\$ 200,000	\$ 900,000
TOTALS	\$ 150,000	\$ 175,000	\$ 175,000	\$ 200,000	\$ 200,000	\$ 900,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Street Resurfacing

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The City has more than 150 miles of roadway to maintain and reconstruct, and there is a multi-million dollar backlog of paving projects.

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.

Projects for FY19 included Hinckley Street, Hampton Avenue, Fulton Avenue, Wright Avenue, Cooke Avenue, a segment of Chesterfield Road and a segment of Pleasant Street. Total reconstructed length was 1.91 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, crack sealing is required for maintenance and preservation as cracks appear. Depending on numerous factors, new pavement can last between 15-20 years.

Describe all Benefits and/or Savings:

As part of resurfacing projects, DPW also evaluates utilities, traffic calming opportunities, bike lanes and ADA accessibility.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 2,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 8,500,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 2,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 8,500,000
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	\$ 2,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 8,500,000
TOTALS	\$ 2,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 8,500,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Road Improvements

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Annual funding for asphalt used in the repair of pavement cuts and potholes and for shimming roadways in poor condition.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Allows for year-round pothole and trench maintenance.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Allows for year-round pothole and trench maintenance.

FY2020 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
General				
791	1991 Ford Tractor 260c Mower	FPC	John Deere LCG/Rears Mower	97,000.00
605	2005 Elgin Sweeper	Streets	Elgin Sweeper (50% Stormwater)	122,900.00
				219,900.00

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	250,000.00
101	2001 Ford F-350 Compressor Truck	Streets	Ford F-350 Compressor Truck	95,500.00
508	2008 Sterling Dump Truck	Streets	International 7500 Dump Sander	205,000.00
687	1987 Chevy K-30 4X4 Dump	Parks & Cem	Ford F-550 4X4 Dump	91,000.00
506	Bobcat Skid Steer	Streets	Volvo Skid Steer	64,000.00
504	2004 Ford F-350 Pickup	Parks & Cem	Ford F-350 4X4 Utility w/Liftgate	57,000.00
	Add Fleet Addition	Parks & Cem	John Deere Utility Backhoe	64,000.00
				826,500.00

FY2022 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
General				
487	1987 Chevy K-30 4X4 Dump	Streets	Ford F-550 4X4 Dump	92,000.00
707	2007 L-9500 Dump/Sander	Streets	International 7600 Sander	270,000.00
306	2006 L-8500 Dump/Sander	Streets	International 7400 Sander	207,000.00

497	1997 Ford Dump Truck	Streets	International 7400 Dump	192,000.00
307	2007 Ford Escape AWD	Engineering	Ford Explorer	40,000.00
407	2007 Ford Escape AWD	Engineering	Ford Explorer	40,000.00
				841,000.00

FY2023 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
General				
309	2009 Asphalt Pre-Heater	Streets	Stepp Asphalt Pre-Heater	45,500.00
604	Ford Ranger	Streets	Ford Ranger 4x4 Pickup	45,800.00
495	1995 Clark Forklift	Streets	Fork Lift Doosan 6,000	39,600.00
198	1998 Bombadier Side walk	Streets	Prinoth Side walk Tractor	151,000.00
805	2005 John Deere Tractor	Parks & Cem	John Deere Backhoe Tractor	65,500.00
201	Ford F-350 4X4 Utility	Parks & Cem	Ford F-350 4X4 Utility	60,000.00
FL-3	1980 Clark Fork lift	Parks & Cem	Fork lift Doosan 6,000	39,600.00
				447,000.00

FY2024 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
General				
986	1986 10 Wheel Dump Truck	Streets	International 7600 Dump	273,000.00
410	2010 Elgin Sweeper	Streets	Elgin Sweeper (50% Stormwater)	126,000.00
507	2007 Ford Dump/Sander	Streets	Ford F-550 4X4 Dump/Sander	94,000.00
198	1998 Bombadier Side walk	Streets	Prinoth Side walk Tractor	143,500.00
110	2010 Ford F-250 Pickup	Streets	Ford F-350 4X4 Pickup	61,000.00
210	2010 International Dump	Streets	International 7400 Dump	194,000.00
				891,500.00

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Cemetery Improvements

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Preservation Master Plans have been completed for the Bridge Street, Park Street and West Farms Cemeteries. The plans provide a framework for capital improvements. In July of 2018, the City received \$100,000 in Community Preservation Act funds and a \$50,000 Massachusetts Preservation Projects Fund grant for stone conservation work at Bridge Street, Park Street and West Farms Cemeteries. The work, to begin in Spring of 2019, includes conservation of 146 Priority 1 stones across all cemeteries as identified in the Preservation Master Plans, and conservation of an additional 84 Priority 2 markers at Bridge Street.

Capital funding over the next five years will be used to implement recommendations in the preservation master plans including fencing, signage and roadway and other infrastructure improvements.

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:

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

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Traffic Calming

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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 reduction of vehicle speeds. Speed hump/table installation, curb extensions, crosswalk upgrades and line striping are examples of traffic calming measures that are effective.

FY19 expenditures included a raised crosswalk on Nonotuck Street at Hinckley Street, Nonotuck Street speed tables, Nonotuck Street pavement markings and delineators, and Montview Avenue at Henry Street pavement markings.

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 FY20-FY24

PROJECT TITLE: Traffic Signals

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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, LED bulbs and contract labor as needed.

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 FY20-FY24

PROJECT TITLE: Trees

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

In 2016, partially paid by a grant, the City's consultant began work on a tree inventory and tree management plan. The inventory included existing trees, stumps and proposed planting sites within the public right of way and in specified parks and public facilities.

A total of 11,987 sites were recorded during the inventory: 9,758 existing trees, 210 stumps and 2,019 proposed planting locations. To offset canopy loss from natural tree mortality, invasive pests, construction damage and impacts from weather related events, the tree management plan recommended that the City adopt and maintain an ambitious tree planting schedule over a sustained period of time. Since 2016, the City has planted more than 600 new trees, and this line item will fund the purchase of up to 250 new trees each year.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Restoring our public shade tree canopy is an important City initiative.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Restoring our public shade tree canopy is an important City initiative.

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Forbes Library Drainage

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The drainage system that serves the Forbes Library building and parking lot is failing and is in need of replacement. A pipe conveys stormwater flow from the back of the parking lot down a steep slope to a drainage swale that runs along the Manhan Rail Trail and eventually discharges into a closed system. The pipe on the steep slope has broken pipe segments, is crushed in sections and is causing slope failure. The slope failure is along the Manhan Rail Trail and is routinely causing eroded sediments to wash onto the paved trail. The proposed drain replacement would involve abandoning the failing segment and redirecting the stormwater flow to the existing drainage system in the Old School Commons Condominiums parking lot.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The slope behind Forbes Library must be stabilized to ensure the integrity of the parking lot and the Manhan Rail Trail.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

A functional drainage system will provide uninterrupted use of the Forbes Library parking lot and Manhan Rail Trail.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering	\$ 50,000					\$ 50,000
Site Acquisition		\$ 250,000				\$ 250,000
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 50,000	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 300,000
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	\$ 250,000				\$ 300,000
TOTALS	\$ 50,000	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 300,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Spring Grove Storage Building

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The lack of adequate equipment storage space at Spring Grove Cemetery currently requires certain Forestry, Parks, and Cemetery Division vehicles and equipment to be stored outside in the elements. As with ones being constructed on Locust Street and at the Water Treatment Plant, this new cold storage building will allow DPW to store valuable vehicles and equipment out of the weather to both protect the city's capital investment and maximize operational efficiency

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Equipment will have a longer service life if stored out of the weather.

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 950,000					\$ 950,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 950,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 950,000
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	\$ 950,000					\$ 950,000
TOTALS	\$ 950,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 950,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Fuel Depot

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The existing DPW fueling station was built in 1994 and consists of two 10,000 gallon underground fuel storage tanks and a fuel dispensing system. The fueling station serves vehicles and equipment across the City, including Public Works, Police, Fire and Schools and is also used for fueling generators in the event of an emergency. The tanks, fuel dispensing system and equipment are in need of replacement with a modern system for reliability, worker safety and improved usage tracking and inventory. Engineering design is currently underway and construction is anticipated in the Summer of 2019.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

A new fueling facility will serve City Departments for several decades.

Cost to Maintain:

Covered in OM.

Describe all Benefits and/or Savings:

The City must have a reliable source of fuel for vehicles and emergency generators.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 350,000					\$ 350,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds	\$ 12,500					\$ 12,500
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds	\$ 12,500					\$ 12,500
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 325,000					\$ 325,000
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: DPW Storage Facility

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Additional funding of up to \$350,000 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.

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 increase 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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 350,000					\$ 350,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds	\$ 127,500					\$ 127,500
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds	\$ 17,500					\$ 17,500
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 205,000					\$ 205,000
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Public Works

Division: Solid Waste

Prepared By: Donna LaScaleia

Date Prepared: November 1, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
	Fuel Depot	12,500	0	0	0	0	12,500
							0
	Totals	12,500	0	0	0	0	12,500

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Fuel Depot

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The existing DPW fueling station was built in 1994 and consists of two 10,000 gallon underground fuel storage tanks and a fuel dispensing system. The fueling station serves vehicles and equipment across the City, including Public Works, Police, Fire and Schools and is also used for fueling generators in the event of an emergency. The tanks, fuel dispensing system and equipment are in need of replacement with a modern system for reliability, worker safety and improved usage tracking and inventory. Engineering design is currently underway and construction is anticipated in the Summer of 2019.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

A new fueling facility will serve City Departments for several decades.

Cost to Maintain:

Covered in OM.

Describe all Benefits and/or Savings:

The City must have a reliable source of fuel for vehicles and emergency generators.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 350,000					\$ 350,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds	\$ 12,500					\$ 12,500
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds	\$ 12,500					\$ 12,500
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 325,000					\$ 325,000
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Public Works

Division: Stormwater

Prepared By: Donna LaScaleia

Date Prepared: November 1, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
	Stormwater Line Replacement	650,000	780,000	760,000	400,000	345,000	2,935,000
	Levee and Flood Control Assessment and Repair	250,000	250,000	250,000	500,000	500,000	1,750,000
	Vehicle Replacements	122,750	0	0	91,500	126,000	340,250
	DPW Storage Facility	17,500					17,500
							0
	Totals	1,040,250	1,030,000	1,010,000	991,500	971,000	5,042,750

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Stormwater Line Replacement

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Public Works continues work on stormwater pipeline, culvert and outfall projects. Stormwater infrastructure will be upgraded in conjunction with roadway reconstruction and water and sewer utilities where appropriate.

Recent projects include Chesterfield Road, Hampton Avenue and Wright Avenue as part of FY2019 roadway reconstruction. Other FY2019 projects were the Rocky Hill Road outfall repair and slope stabilization and Burts Pit Road culvert relining.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Existing systems fail due to age or capacity deficiencies. 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:

Disruption in services is reduced. Systems that are under capacity will be upgraded, thereby reducing street flooding.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 650,000	\$ 780,000	\$ 760,000	\$ 400,000	\$ 345,000	\$ 2,935,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 650,000	\$ 780,000	\$ 760,000	\$ 400,000	\$ 345,000	\$ 2,935,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds	\$ 650,000	\$ 780,000	\$ 760,000	\$ 400,000	\$ 345,000	\$ 2,935,000
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 650,000	\$ 780,000	\$ 760,000	\$ 400,000	\$ 345,000	\$ 2,935,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Levee and Flood Control Assessment & Repair **DATE SUBMITTED:** 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The Connecticut and Mill River Flood Control Systems were designed and constructed by the U.S. Army Corps of Engineers between 1939 and 1941 to protect low-lying or floodplain areas in downtown Northampton and adjacent to the Mill River. The City is responsible for the operation and maintenance of these systems. The flood control pumping station on Hockanum Road is nearly 80 years old and is critical to enabling downtown drainage from behind the floodwall during storm events. Required projects for the next five years at the pumping station include structural repairs, interior and exterior building improvements, electrical system upgrades and underground gasoline and diesel tank replacement.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The U.S. Army Corps of Engineers inspects the systems annually and they must be found in acceptable condition to remain eligible for federal rehabilitation assistance in the event of a disaster.

Cost to Maintain:

Routine operations and minor maintenance are primarily conducted by DPW staff. Major projects for significant maintenance and upgrades must be undertaken by consultants and contractor(s).

Describe all Benefits and/or Savings:

Cost to maintain the system in working order is far less than replacement of system components. The flood control pumping system is nearly 80 years old and has not undergone any major upgrades since original construction.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 250,000	\$ 250,000	\$ 250,000	\$ 500,000	\$ 500,000	\$ 1,750,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 250,000	\$ 250,000	\$ 250,000	\$ 500,000	\$ 500,000	\$ 1,750,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds	\$ 250,000	\$ 250,000	\$ 250,000	\$ 500,000	\$ 500,000	\$ 1,750,000
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
TOTALS	\$ 250,000	\$ 250,000	\$ 250,000	\$ 500,000	\$ 500,000	\$ 1,750,000

FY2020 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
Stormwater				
605	2005 Elgin Sweeper	Stormwater	Elgin Sweeper (50% Streets)	122,750.00
				122,750.00

FY2023 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
Stormwater				
405	2005 Sterling Basin Cleaner	Stormwater	International 7400 Basin Cleaner	91,500.00
				91,500.00

FY2024 VEHICLE PURCHASE PLAN

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
Stormwater				
410	2010 Elgin Sweeper	Stormwater	Elgin Sweeper (50% Streets)	126,000.00
				126,000.00

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: DPW Storage Facility

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Additional funding of up to \$350,000 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.

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 increase 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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 350,000					\$ 350,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds	\$ 127,500					\$ 127,500
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds	\$ 17,500					\$ 17,500
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 205,000					\$ 205,000
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Public Works

Division: Water

Prepared By: Donna LaScaleia

Date Prepared: November 1, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
	Granular Activated Carbon	0	0	0	0	60,000	60,000
	Waterline Replacement	575,000	575,000	575,000	575,000	575,000	2,875,000
	Watershed Land Acquisition	50,000	50,000	50,000	50,000	50,000	250,000
	Meter Replacement Program	75,000	75,000	75,000	75,000	75,000	375,000
	Hydrant Replacement Programm	30,000	30,000	30,000	30,000	30,000	150,000
	WTP Equipment Replacement	75,000	75,000	75,000	75,000	75,000	375,000
	Water Distribution System Equipment Replacement	50,000	50,000	50,000	50,000	50,000	250,000
	Vehicle Replacements	192,200	223,500	213,500	60,000	0	689,200
	Fuel Depot	12,500	0	0	0	0	12,500
	Transmission Main Rehabilitation and Replacement	0	700,000	0	0	8,250,000	8,950,000
	Reservoir Construction	0	0	5,000,000	5,000,000		10,000,000
	Leeds High Pressure System	0	0	1,500,000	0	0	1,500,000
	Water System Leak Detection	0	20,000	0	0	0	20,000
							0
	Totals	1,059,700	1,798,500	7,568,500	5,915,000	9,165,000	25,506,700

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Granular Activated Carbon

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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. Last replaced in FY2019, the next expected replacement date is FY2024.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Granular activated carbon replacement ensures regulatory compliance and high quality drinking water to the City.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Granular activated carbon replacement ensures regulatory compliance and high quality drinking water to the City.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other					\$ 60,000	\$ 60,000
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 0	\$ 0	\$ 60,000	\$ 60,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds					\$ 60,000	\$ 60,000
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	\$ 0	\$ 60,000	\$ 60,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Waterline Replacement

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Public Works continues work on water pipeline replacement projects. Water infrastructure will be upgraded in conjunction with roadway reconstruction and sewer and stormwater utilities where appropriate.

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Water infrastructure fails predominately due to age. New installations are a benefit for City businesses and residents.

Cost to Maintain:

N/A

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.

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Watershed Land Acquisition

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

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 prioritized for acquisition by the City are based on proximity to the reservoirs and their tributaries. This funding is intended to enable acquisition of key parcels as they become available. In FY18, the City purchased a 44-acre parcel in Williamsburg within the watershed of the Ryan Reservoir. Acquisition efforts over the next five years will focus on smaller parcels that are situated close to the reservoirs. Additionally, DPW applies for 50% reimbursement grants from the State, and has received nearly \$500,000 since 2011.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Control of land proximate to the City's reservoirs is key to ensuring high water quality.

Cost to Maintain:

N/A

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 FY20-FY24

PROJECT TITLE: Meter Replacement

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Annual funding for replacement of water meters at the end of their service life.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

New meters are necessary to ensure accurate billing for water usage.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

New meters are necessary to ensure accurate billing for water usage.

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Hydrant Replacement

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Annual funding for hydrant replacements.

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:

Hydrants are crucial for fire protection for the City.

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: WTP Equipment Replacement

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Annual funding for replacement of equipment necessary for the operation of the Water Treatment Plant.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

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

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Water Distribution System Equipment

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Annual funding for the replacement of equipment necessary for the operation of the water distribution system.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

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

FY2020 VEHICLE PURCHASE PLAN

Water	Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
	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	79,000.00
	705	2005 Ranger	Water	Ford F-350 4X4 Utility w/Liftgate	56,000.00
					192,200.00

FY2021 VEHICLE PURCHASE PLAN

Water	Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
	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	45,500.00
	108	2008 Ford Ranger 4X4	Water	Ford Ranger 4X4 Pickup	45,500.00
					223,500.00

FY2022 VEHICLE PURCHASE PLAN

Water	Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
	109	2009 F-350 4X4 Pickup	Water	Ford F-350 4X4 Utility	59,000.00
	308	2008 F-350 Pickup	Water	Ford F-350 Pickup w/Liftgate	58,000.00
	408	2008 F-350 4X4 Compressor	Water	Ford F-450 4C4 Compressor	96,500.00
					213,500.00

FY2023 VEHICLE PURCHASE PLAN

Water

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
112	2012 Ford F-350 4X4	Water	Ford F-350 4X4 Pickup w/ Liftgate	60,000.00
				60,000.00

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Fuel Depot

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department:	Public Works				
Department Contact:	Donna LaScaleia				
Fiscal Year(s) Requested:	FY20 <input checked="" type="checkbox"/>	FY21 <input type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <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

The existing DPW fueling station was built in 1994 and consists of two 10,000 gallon underground fuel storage tanks and a fuel dispensing system. The fueling station serves vehicles and equipment across the City, including Public Works, Police, Fire and Schools and is also used for fueling generators in the event of an emergency. The tanks, fuel dispensing system and equipment are in need of replacement with a modern system for reliability, worker safety and improved usage tracking and inventory. Engineering design is currently underway and construction is anticipated in the Summer of 2019.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

A new fueling facility will serve City Departments for several decades.

Cost to Maintain:

Covered in OM.

Describe all Benefits and/or Savings:

The City must have a reliable source of fuel for vehicles and emergency generators.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 350,000					\$ 350,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds	\$ 12,500					\$ 12,500
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds	\$ 12,500					\$ 12,500
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 325,000					\$ 325,000
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Transmission Main Replacement

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The City currently has two transmission mains (20" and 36") that provide water from the Water Treatment Plant in Williamsburg to the system. This line item seeks to fund the relocation and replacement of the 20" main, which is more than 100 years old and largely travels through an inaccessible wetland area near Beaver Brook. This project will be done in conjunction with the reconstruction of Mountain Street, which the State has placed on its Transportation Improvement Program.

Total probable design and construction cost for 14,000 linear feet of new 24" ductile iron water main will be approximately \$9,000,000.

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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering		\$ 700,000				\$ 700,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction					\$ 7,500,000	\$ 7,500,000
Inspection Services					\$ 750,000	\$ 750,000
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 700,000	\$ 0	\$ 0	\$ 8,250,000	\$ 8,950,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds		\$ 700,000			\$ 8,250,000	\$ 8,950,000
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	\$ 700,000	\$ 0	\$ 0	\$ 8,250,000	\$ 8,950,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Reservoir Construction

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The City's drinking water is primarily supplied by three surface water reservoirs: Ryan Reservoir, West Whately Reservoir and Mountain Street Reservoir. All have noted spillway deficiencies that need to be corrected. Projected engineering and construction costs are roughly \$10,000,000. In FY19, the City received a grant from the Commonwealth's Office of Energy and Environmental Affairs for \$250,000 to partially fund engineering expenses associated with upgrades for Ryan and West Whately Reservoirs. This design work will begin in FY19 and will be ongoing for a period of 24 months. Requested funding will allow for complete design and construction.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Dam infrastructure is in need of upgrades to ensure the long term integrity of the water supply.

Cost to Maintain:

Nominal inspection costs.

Describe all Benefits and/or Savings:

Dam infrastructure is in need of upgrades to ensure the long term integrity of the water supply.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 5,000,000	\$ 5,000,000		\$ 10,000,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 0	\$ 5,000,000	\$ 5,000,000	\$ 0	\$ 10,000,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds			\$ 5,000,000	\$ 5,000,000		\$ 10,000,000
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	\$ 0	\$ 5,000,000	\$ 5,000,000	\$ 0	\$ 10,000,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Leeds High Pessure System

DATE SUBMITTED: 11/1/18

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Drinking water for the village of Leeds is supplied through a high pressure system which includes a booster pump station, a 200,000 gallon water tank and an extensive pipe distribution system. Constructed in 1935, the tank itself is in need of extensive rehabilitation, including sandblasting and painting. Additional improvements needed are electrical and electronic upgrades to control systems. DPW will be thoroughly assessing the high pressure system as a whole, and will seek ways to consolidate and potentially eliminate equipment, including the tank, as part of ongoing efforts to increase system efficiency.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Leeds High Pressure System is a key piece of the City's water distribution system.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

The Leeds High Pressure System is a key piece of the City's water distribution system.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	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	\$ 1,500,000	\$ 0	\$ 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	\$ 1,500,000	\$ 0	\$ 0	\$ 1,500,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Water System Leak Detection

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

The Massachusetts Department of Environmental Protection requires that the City test 17 miles of its water distribution system for leaks every three years. This line item funds flow testing and sounding to comply with this requirement.

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.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements		\$ 20,000				\$ 20,000
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 20,000	\$ 0	\$ 0	\$ 0	\$ 20,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds		\$ 20,000				\$ 20,000
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	\$ 20,000	\$ 0	\$ 0	\$ 0	\$ 20,000

City of Northampton
FORM CIP - 1: Departmental Capital Projects Summary

Department: Public Works

Division: Sewer

Prepared By: Donna LaScaleia

Date Prepared: November 1, 2018

Dept. Priority	Project Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
	DPW Storage Facility	127,500					127,500
	WWTP Improvements		12,000,000	5,000,000	2,000,000	3,000,000	22,000,000
	Sewer Line Replacement	550,000	400,000	400,000	400,000	400,000	2,150,000
	Vehicle Replacement	104,000	228,000	98,000	136,500	381,000	947,500
	WWTP Equipment Replacement	50,000	50,000	50,000	50,000	50,000	250,000
	Sewer Collection System Equipment	35,000	35,000	35,000	35,000	35,000	175,000
Totals		866,500	12,713,000	5,583,000	2,621,500	3,866,000	25,650,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: DPW Storage Facility

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Additional funding of up to \$350,000 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.

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 increase 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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 350,000					\$ 350,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds	\$ 127,500					\$ 127,500
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds	\$ 17,500					\$ 17,500
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 205,000					\$ 205,000
TOTALS	\$ 350,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: WWTP Improvements

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department:	Public Works				
Department Contact:	Donna LaScaleia				
Fiscal Year(s) Requested:	FY20 <input type="checkbox"/>	FY21 <input checked="" type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY24 <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 type="checkbox"/>	Facility <input checked="" type="checkbox"/>	Other <input checked="" type="checkbox"/>

PROJECT DESCRIPTION

The City's consultant has completed a comprehensive evaluation of needs for its wastewater collection system and wastewater treatment plant. Sludge pump replacements and the conversion from chlorine gas to hypochlorite, a safer and more desirable method of disinfection, were completed in FY2018 and FY2019. An Owners Project Manager and Designer have been retained and engineering design work will begin in Fall 2018 for upgrades to plant electrical and HVAC systems and treatment processes. Construction is anticipated to begin in FY2021.

The City also operates 7 sewer pump stations. Evaluation has shown that upgrades to equipment and processes are necessary to ensure reliable long-term performance. Design work for these upgrades is anticipated to begin in FY2020.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Failure of equipment at the wastewater treatment plant or pump stations 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 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 12,000,000	\$ 5,000,000	\$ 2,000,000	\$ 3,000,000	\$ 22,000,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 0	\$ 12,000,000	\$ 5,000,000	\$ 2,000,000	\$ 3,000,000	\$ 22,000,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds		\$ 12,000,000	\$ 5,000,000	\$ 2,000,000	\$ 3,000,000	\$ 22,000,000
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	\$ 0	\$ 12,000,000	\$ 5,000,000	\$ 2,000,000	\$ 3,000,000	\$ 22,000,000

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: Sewer Line Replacement

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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

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

PROJECT DESCRIPTION

Public Works continues work on sewer line replacement projects. Sewer infrastructure will be upgraded in conjunction with roadway reconstruction and water and stormwater utilities where appropriate.

Recent projects include Day Avenue, Hinckley Street and the design for new sewer utilities on Damon Road. Sewer upgrades to Amber Lane, Ellington Street and Masonic Street are planned.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Failure of existing systems are predominantly due to age. Replacement provides for the next generations of City residents and businesses 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. The need for costly emergency repairs is greatly reduced.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2020	FY 2021	FY2022	FY 2023	FY2024	TOTAL
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 550,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,150,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
TOTALS	\$ 550,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,150,000
Financing Sources						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds	\$ 550,000	\$ 400,000	\$ 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	\$ 550,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 2,150,000

FY2020 VEHICLE PURCHASE PLAN

	Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
Sewer					
	209	2009 Ford Ranger	WWTP	Ford F-350 4X4 Pickup w/Liftgate	56,000.00
	401	Ford Crown Vic	Sewer	Ford F-350 4X4 Utility w/Liftgate	57,200.00
					113,200.00

FY2021 VEHICLE PURCHASE PLAN

	Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
Sewer					
	105	John Deere 410-G 4X4 Backhoe	Sewer	John Deere 410L 4X4 Backhoe	132,500.00
	807	Atlas Compressor	Sewer	Ford F-350 Air Compressor	95,500.00
					228,000.00

FY2022 VEHICLE PURCHASE PLAN

	Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
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
Sewer					
	405	2005 Sterling Basin Cleaner	Sewer	International 7400 Basin Cleaner (50	91,500.00
	706	2006 Ford E-Van	WWTP	Ford Transit High Body 250	45,000.00
					136,500.00

FY2024 VEHICLE PURCHASE PLAN

Sewer

Vehicle #	Equipment to be Replaced	Department	Equipment to be Purchased	Estimated Cost
987	1987 Chevy Mud Mixing Truck	Sewer	Ford F-550 Flat Bed Truck	80,000.00
310	2010 International Vac/Jetter	Sewer	International Vac/Jetter	301,000.00
				<hr/>
				381,000.00
				<hr/>

City of Northampton Capital Plan FY20-FY24

PROJECT TITLE: WWTP Equipment Replacement

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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.

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 FY20-FY24

PROJECT TITLE: Sewer Collection System Equipment

DATE SUBMITTED: 11/1/2018

DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY20** **FY21** **FY22** **FY23** **FY24**

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.

