

City of Northampton  
Capital Improvement Program  
FY2021 – FY2025  
Mayor David J. Narkewicz  
Submitted to City Council on  
May 29, 2020

**City of Northampton, Massachusetts**

**CAPITAL IMPROVEMENT PROGRAM**

**FOR**

**FISCAL YEARS 2021-2025**

**Capital Improvement Program for FY2021 - FY2025**

The Capital Improvement Program for FY2021 – FY2025 was created by the Mayor pursuant to Article 7, Section 7-5, of the City of Northampton Charter and submitted to the Northampton City Council for public hearing on June 1, 2020. The submission of the FY2021 - FY2025 Capital Improvement Program was initially delayed pending the outcome of the \$2.5 million Proposition 2 ½ operating override vote which was held on March 3, 2020. The override was successful with a 62% voter approval and incorporating that result into the Capital Improvement Plan began immediately. However, one week later, Governor Charlie Baker issued Executive Order 591: Declaration of a State of Emergency to Respond to COVID-19. It soon became clear that COVID-19 would cause long-term financial uncertainty for the city and the submission of the Capital Improvement Program was further delayed. Concurrently, Mayor David Narkewicz informed the City Council that he intended to postpone implementation of the \$2.5 million Proposition 2 ½ operating override until FY2022 and that he would submit an operating budget for FY2021 that would incorporate projected declines in revenue sources that are dependent on the economic outlook. The FY2021 budget would be balanced through a combination of revenue and staff and service reductions. On May 18, 2020, Mayor Narkewicz submitted the FY2021 operating budget to the City Council and on June 1, 2020, the FY2021 - FY2025 Capital Improvement Program was submitted to the City Council.

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 five 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 each 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 the ability to fund them 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, five-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 projects 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 five 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 FY2020, net direct debt for the General Fund as a percentage of assessed valuation is 1.7% and in FY2021 it is estimated at 1.2%.*

- 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 FY2020 net direct*

debt as a percentage of General Fund operating revenues is 6.0% and in FY2021 it is estimated at 4.4% .

- 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 FY2002, levy-supported general obligation debt service and capital spending was 1.6% of net General Fund operating revenues. In FY2020 levy-supported general obligation debt service is 4.2% of General Fund revenues and in FY2021 it is estimated to be 3.7%. 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 FY2029, the city will have retired 82.5% of current outstanding principal and by the end of FY2030 the city will have retired 86% 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 typically includes 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 FY2020, the amount budgeted to fund capital projects was \$340,000. In FY2021, there are no funds allocated in the budget for cash capital due to the financial impacts of COVID-19. Cash Capital as a line item in the operating budget is planned to restart in the FY2022 budget.

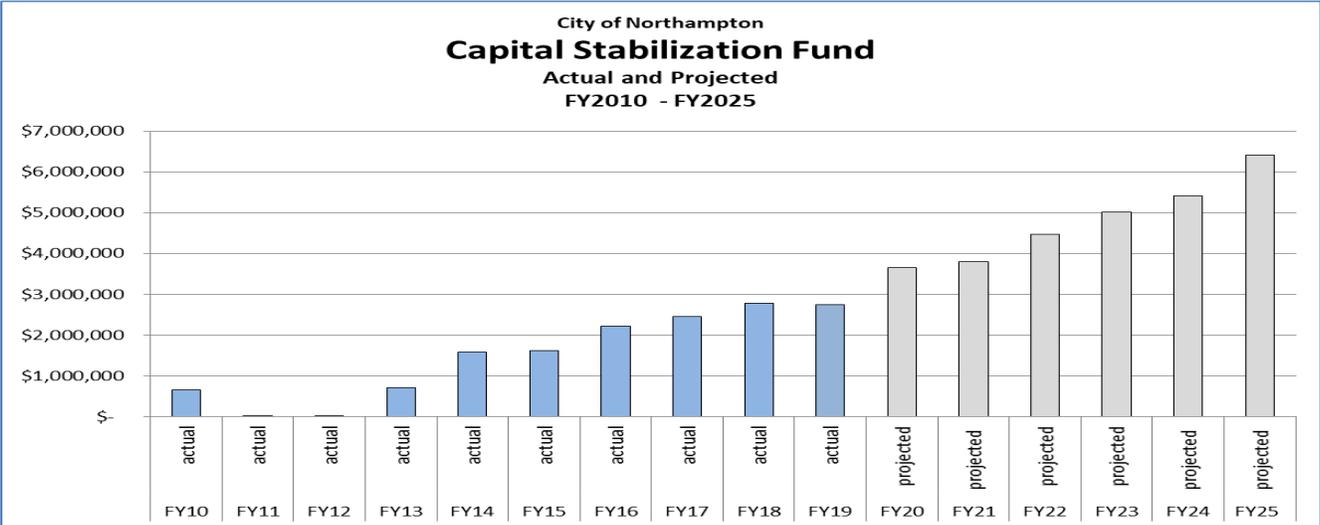
**Free Cash** – Each year the Mayor will propose a certain amount of funding for projects from the city's undesignated fund balance or "free cash". Since free cash will vary from year to year, the amount set aside for the capital projects will be determined soon after free cash is certified, which is 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 FY2021 Capital Improvement Program is \$1,002,633. The five year plan proposes using approximately \$618,000 - \$1,250,000 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 FY2011 when the balance was \$4,684. In FY2021 there are no funds allocated in the budget for cash capital due to the financial impacts of COVID-19. Capital Stabilization as a line item in the operating budget is planned to restart in the FY2022 budget.

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 3.5% of the city’s General Fund budget in FY2021, with the goal of increasing this target percentage by 0.25% 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 FY2021, it is planned to use \$220,000 from the Capital Stabilization Fund for projects. This will leave \$3.4 million which is 3.36% 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 FY2021 to FY2025:

CITY OF NORTHAMPTON GENERAL FUND CAPITAL STABILIZATION BALANCE PROJECTION						
	Estimated FY2020	Estimated FY2021	Estimated FY2022	Estimated FY2023	Estimated FY2024	Estimated FY2025
<b>Activity in Capital Stabilization:</b>						
<b>5000-340616</b>						
Capital Stabilization Starting Balance:	2,742,325	3,649,728	3,399,728	4,059,728	4,609,728	5,009,728
Contribution from Operating Budget:	382,884	-	425,000	450,000	475,000	500,000
Free Cash Appropriation - Actual or Estimated:	700,000	500,000	500,000	500,000	500,000	500,000
Interest Income	44,519					
Academy of Music Steps 9/2016						
DPW Sander Additional Funds 9/2016						
Use Toward Capital Plan for NEXT Fiscal Year	(220,000)	(750,000)	(265,000)	(400,000)	(575,000)	
<b>Total Projected Balance in Stabilization</b>	<b>3,649,728</b>	<b>3,399,728</b>	<b>4,059,728</b>	<b>4,609,728</b>	<b>5,009,728</b>	<b>6,009,728</b>
<b>Budgeted/Estimated General Fund Budget</b>	<b>100,658,857</b>	<b>101,074,681</b>	<b>104,106,921</b>	<b>107,230,129</b>	<b>110,447,033</b>	<b>113,760,444</b>
Capital Stabilization as % of Budget:	3.63%	3.36%	3.90%	4.30%	4.54%	5.28%
Desired % to keep as Reserve:	3.25%	3.50%	3.75%	4.00%	4.25%	4.50%
Amount to keep as Reserve:	3,271,413	3,537,614	3,904,010	4,289,205	4,693,999	5,119,220
Additional Funds Available for Appropriation:	378,316	(137,885)	155,719	320,523	315,729	890,508

**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 FY2021 Capital Improvement Program does not propose using any funds from the Parking RRA Account due to the loss of revenue in FY2020 from COVID-19. The following chart shows the projection for the Parking Receipts Reserved for Appropriation Account from FY2021 to FY2025.

CITY OF NORTHAMPTON						
RECEIPTS RESERVED FOR PARKING BALANCE PROJECTION						
Activity in RRA Parking:	Estimated FY2020	Estimated FY2021	Estimated FY2022	Estimated FY2023	Estimated FY2024	Estimated FY2025
RRA Parking Starting Balance	1,276,350	876,350	860,700	915,700	1,040,700	1,130,700
Estimated Receipts Received Above Budgeted	-	150,000	150,000	150,000	150,000	150,000
Revenue Shortfall Fund to General Fund	(400,000)					
Other Revenue from completed projects or turnbacks						
Appropriations from RRA during fiscal year						
Use Toward Capital Plan for NEXT Fiscal Year	-	(165,650)	(95,000)	(25,000)	(60,000)	
Total Projected Balance in RRA at fiscal year end	876,350	860,700	915,700	1,040,700	1,130,700	1,280,700

**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 the 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. The 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 the City Council for enterprise fund projects that require borrowing or are proposed to be funded from the various Enterprise Fund Stabilization Funds.

CITY OF NORTHAMPTON						
ENTERPRISE STABILIZATION FUND PROJECTIONS						
	Estimated FY2020	Estimated FY2021	Estimated FY2022	Estimated FY2023	Estimated FY2024	Estimated FY2025
<b>Water Stabilization</b>						
Starting Balance	1,975,091	2,789,644	3,189,644	3,589,644	3,989,644	4,389,644
Transfer from Retained Earnings	783,956	400,000	400,000	400,000	400,000	400,000
Appropriation to Stabilization from Operating Budget						
Interest Earned and Gains/Losses	30,597					
Appropriated for Operating Budget						
Appropriated for Capital Projects		TBD	TBD	TBD	TBD	TBD
<b>Total Projected Balance at fiscal year end</b>	<b>2,789,644</b>	<b>3,189,644</b>	<b>3,589,644</b>	<b>3,989,644</b>	<b>4,389,644</b>	<b>4,789,644</b>
<b>Sewer Stabilization</b>						
Starting Balance	10,248,470	11,487,201	11,987,201	12,487,201	7,987,201	3,487,201
Transfer from Retained Earnings	1,086,241	500,000	500,000	500,000	500,000	500,000
Appropriation to Stabilization from Operating Budget						
Interest Earned and Gains/Losses	152,490					
Appropriated for Operating Budget						
Appropriated for Capital Projects				(5,000,000)	(5,000,000)	
<b>Total Projected Balance at fiscal year end</b>	<b>11,487,201</b>	<b>11,987,201</b>	<b>12,487,201</b>	<b>7,987,201</b>	<b>3,487,201</b>	<b>3,987,201</b>
<b>Stormwater Stabilization</b>						
Starting Balance	336,365	544,086	644,086	744,086	844,086	944,086
Transfer from Retained Earnings	200,000	100,000	100,000	100,000	100,000	100,000
Appropriation to Stabilization from Operating Budget						
Interest Earned and Gains/Losses	7,721					
Appropriated for Operating Budget						
Appropriated for Capital Projects	TBD	TBD	TBD	TBD	TBD	TBD
<b>Total Projected Balance at fiscal year end</b>	<b>544,086</b>	<b>644,086</b>	<b>744,086</b>	<b>844,086</b>	<b>944,086</b>	<b>1,044,086</b>
<b>Solid Waste Stabilization</b>						
Starting Balance	1,551,469	1,575,045	1,575,045	1,575,045	1,575,045	1,575,045
Transfer from Retained Earnings						
Appropriation to Stabilization from Operating Budget						
Interest Earned and Gains/Losses	23,576					
Appropriated for Operating Budget						
Appropriated for Capital Projects	TBD	TBD	TBD	TBD	TBD	TBD
<b>Total Projected Balance at fiscal year end</b>	<b>1,575,045</b>	<b>1,575,045</b>	<b>1,575,045</b>	<b>1,575,045</b>	<b>1,575,045</b>	<b>1,575,045</b>

**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 20 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 was 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 FY2021 is projected at \$5 million. Total Enterprise Fund debt service is projected at \$2.4 million in FY2021. It should be noted that the Sewer Enterprise Fund debt schedule is in the process of being updated to incorporate the multi-million dollar planned renovation of the Wastewater Treatment Plant which will be funded by a combination of Massachusetts Clean Water Trust funding and Sewer Stabilization funds.

<b>CITY OF NORTHAMPTON</b>					
<b>PROJECTED DEBT SERVICE FOR CAPITAL NEEDS</b>					
includes new debt service recommended in Capital Improvement Program					
<b>Fiscal Year</b>	<b>FY2021</b>	<b>FY2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>
<b>GENERAL FUND</b>					
Debt Excluded	633,442	620,476	609,671	601,027	592,112
Levy Limit	3,739,537	4,383,751	4,971,097	4,947,932	4,823,514
Other Funding Sources (inc CPA)	631,058	346,474	330,479	320,323	310,086
<b>TOTAL DEBT SERVICE PROJECTION</b>					
<b>IN GENERAL FUND</b>	<b>5,004,037</b>	<b>5,350,701</b>	<b>5,911,247</b>	<b>5,869,282</b>	<b>5,725,712</b>
<b>ENTERPRISE FUNDS</b>					
Water	2,150,250	2,561,977	3,249,245	3,345,531	3,744,459
Sewer	271,039	1,803,389	1,769,289	1,735,388	1,700,113
Solid Waste	-	-	-	-	-
Stormwater	38,850	38,150	37,450	36,663	35,875
<b>TOTAL DEBT SERVICE PROJECTION</b>					
<b>IN ENTERPRISE FUNDS</b>	<b>2,460,139</b>	<b>4,403,516</b>	<b>5,055,984</b>	<b>5,117,582</b>	<b>5,480,447</b>
<b>ALL DEBT SERVICE</b>	<b>7,464,176</b>	<b>9,754,217</b>	<b>10,967,231</b>	<b>10,986,864</b>	<b>11,206,159</b>

**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."*

**FY2021 - FY2025 Capital Improvement Program Projects and Funding Sources**

City Council orders to fund projects for the FY2021 capital plan will be presented following the City Council’s hearing on the Capital Improvement Program.

The Capital Improvement Program contains a total of 104 projects totaling \$96,202,245 programmed over the next five fiscal years. Within Central Services there are many projects related to building improvements in other departments such as Fire Rescue and Forbes Library. Likewise within IT Services there 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 FY2021 – FY2025 Capital Improvement Program.

<b>CITY DEPARTMENTS</b>		
Northampton Public Schools - Non-Facility Projects	4	\$ 386,366
Central Services - Northampton Public Schools	20	\$ 5,762,500
Central Services - City	14	\$ 1,474,000
Central Services - Parking	5	\$ 285,650
Smith Vocational & Agricultural Schools	4	\$ 420,000
Planning & Sustainability	4	\$ 600,000
Information Technology Services	10	\$ 547,000
Parks & Recreation	2	\$ 205,800
Public Safety Dispatch	2	\$ 6,040,000
Building Department	2	\$ 58,000
Treasurer-Collector/Parking Enforcement	2	\$ 60,000
Fire Rescue	8	\$ 1,088,250
Department of Public Works - General Fund	11	\$ 13,919,000
<b>Sub-total City Departments</b>	<b>88</b>	<b>\$ 30,846,566</b>
<b>ENTERPRISE FUNDS</b>		
Sewer	5	\$ 34,787,000
Stormwater and Flood Control	3	\$ 6,064,566
Water	8	\$ 24,504,113
Solid Waste	0	\$ -
<b>Sub-total Enterprise Funds</b>	<b>16</b>	<b>\$ 65,355,679</b>
<b>TOTAL GENERAL FUND AND ENTERPRISE FUNDS</b>	<b>104</b>	<b>\$ 96,202,245</b>

**CITY OF NORTHAMPTON**  
**FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**  
**COVERING FISCAL YEARS 2021-2025**  
**PROJECTED FUNDING SOURCES**

Funding Sources	FIVE YEAR PLAN					TOTALS
	FY2021	FY2022	FY2023	FY2024	FY2025	
General Fund Cash Capital	-	342,250	338,000	365,500	370,000	1,415,750
Free Cash	1,002,633	1,250,000	927,500	618,000	805,000	4,603,133
Regular Stabilization	-	-	-	-	-	-
Capital Stabilization	220,000	750,000	265,000	400,000	575,000	2,210,000
General Fund Bonds/Borrowing	2,140,000	5,092,000	4,920,000	5,607,000	1,500,000	19,259,000
General Fund Operating Budget	455,000	575,000	575,000	575,000	350,000	2,530,000
						-
Receipts Reserved for Parking	-	165,650	95,000	25,000	60,000	345,650
Receipts Reserved Sale of Land	-	-	150,000	-	-	150,000
Revolving Funds	-	-	-	-	-	-
Trust Funds	25,000	25,000	25,000	25,000	25,000	125,000
Reprogrammed/Other Funds	208,033	-	-	-	-	208,033
						-
Water Enterprise Fund Operating Budget	1,726,113	978,000	950,000	1,050,000	800,000	5,504,113
Water Enterprise Stabilization	-	-	-	-	-	-
Water Enterprise Fund Borrowing	-	5,000,000	8,000,000	1,000,000	5,000,000	19,000,000
Sewer Enterprise Fund Operating Budget	1,155,000	1,060,000	1,607,000	985,000	830,000	5,637,000
Sewer Enterprise Stabilization	-	-	-	5,000,000	5,000,000	10,000,000
Sewer Enterprise Fund Borrowing	7,900,000	11,250,000	-	-	-	19,150,000
Stormwater Enterprise Fund Operating Budget	919,566	1,280,000	1,255,000	1,030,000	1,580,000	6,064,566
Stormwater Enterprise Stabilization						-
Stormwater Enterprise Borrowing						-
Solid Waste Enterprise Fund Operating Budget		-				-
						-
						-
<b>Total:</b>	<b>15,751,345</b>	<b>27,767,900</b>	<b>19,107,500</b>	<b>16,680,500</b>	<b>16,895,000</b>	<b>96,202,245</b>

# APPENDIX A

**CITY OF NORTHAMPTON CAPITAL IMPROVEMENT PROGRAM  
SUMMARY BY YEAR FY2021 - FY2025**

Department	Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL	O M
NPS	1	Transportation Van 7D	\$70,000					\$70,000	
NPS	2	Food Service Point of Sale Upgrade	\$31,366					\$31,366	
NPS	3	JFK Walk In cooler		\$30,000				\$30,000	
NPS	4	Bus replacement-30 passenger wheelchair		\$125,000	\$130,000			\$255,000	
		<b>Totals</b>	<b>\$101,366</b>	<b>\$155,000</b>	<b>\$130,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$386,366</b>	
Central Services - NPS	High	JFK Energy Management System Upgrades	\$100,000	\$100,000				\$200,000	
Central Services - NPS	Medium	Ryan Road Energy Management System Upgrades				\$100,000		\$100,000	
Central Services - NPS	Medium	Leeds School Energy Management System Upgrades				\$100,000		\$100,000	
Central Services - NPS	Medium	Jackson Street Energy Management System Upgrades			\$100,000			\$100,000	
Central Services - NPS	High	Facilities Assessment For Net-Zero Greenhouse Gas Emmissions:						\$0	
Central Services - NPS		Bridge-Leeds-Jackson Street		\$60,000				\$60,000	
Central Services - NPS		High School-JFK Middle School-Ryan Road			\$60,000			\$60,000	
Central Services - NPS		NHS Cafeteria - Replace Steam Table	\$22,500					\$22,500	
Central Services - NPS	Medium	High School Track Resurfacing	\$15,000	\$200,000				\$215,000	
Central Services - NPS	Medium					\$3,500,000		\$3,500,000	
Central Services - NPS	Medium	JFK Window Repairs			\$20,000	\$20,000		\$40,000	
Central Services - NPS	Medium	Leeds Flooring Replacement		\$65,000	\$65,000			\$130,000	
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	Medium	JFK Paving			\$150,000			\$150,000	
Central Services - NPS	High	Leeds Window Replacement			\$30,000	\$250,000		\$280,000	
Central Services - NPS	High	Walk-In Freezer Controls at High School & Middle School	\$15,000					\$15,000	
Central Services - NPS	Medium	JFK- Replace Flooring in Guidance and Admin. Offices				\$50,000		\$50,000	
Central Services - NPS	Medium	Library Flooring Upgrades- Leeds, Ryan, JFK				\$55,000	\$40,000	\$95,000	
Central Services - NPS	Medium	High School- Replace Theatre Fire Curtain				\$50,000		\$50,000	
Central Services - NPS	Medium	Ryan Road- Accessibility Upgrades for Nurse's Room		\$230,000				\$230,000	
Central Services - NPS	Medium	District Offices- Space Use Design & Upgrades			\$65,000			\$65,000	
		<b>Totals</b>	<b>\$152,500</b>	<b>\$655,000</b>	<b>\$490,000</b>	<b>\$4,275,000</b>	<b>\$190,000</b>	<b>\$5,762,500</b>	
Central Services- City	High	Senior Center- Paint Exterior of Building		\$110,000				\$110,000	
Central Services- City	High	Academy of Music- Expand Fire Suppression System	\$150,000					\$150,000	

**CITY OF NORTHAMPTON CAPITAL IMPROVEMENT PROGRAM  
SUMMARY BY YEAR FY2021 - FY2025**

Department	Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL	OM
Central Services- City	High	Academy of Music- Replace Stage Fire Curtain			\$150,000			\$150,000	
Central Services- City	Medium	Academy of Music- Upgrade Air Conditioning System			\$120,000			\$120,000	
Central Services- City	Medium	Florence Fire Station- Pave Rear Parking Lot		\$65,000				\$65,000	
Central Services- City	High	Vehicles: City Maintenance		\$45,000	\$45,000			\$90,000	
Central Services- City	High	Conduct Net-Zero GHG Facilities Studies (7 Buildings)	\$120,000					\$120,000	
Central Services- City	Medium	Upgrade Memorial Hall Boiler				\$100,000		\$100,000	
Central Services- City	Medium	Upgrade City Hall Boiler					\$95,000	\$95,000	
Central Services- City	Medium	Replace Memorial Hall Asphalt Roof					\$125,000	\$125,000	
Central Services- City	High	Lighting Upgrades Multiple City Facilities		\$110,000				\$110,000	
Central Services- City	High	Rec. Dept.- Roof Musante Beach & Arcanum Field Facilities	\$30,000					\$30,000	
Central Services- City	Medium	Rec. Dept.- Replace (7) Safety Village Buildings	\$84,000					\$84,000	mo
Central Services- City	Medium	Forbes Library- Lower Level Ventilation & HVAC Upgrades	\$25,000	\$100,000				\$125,000	
		<b>Totals</b>	<b>\$409,000</b>	<b>\$430,000</b>	<b>\$315,000</b>	<b>\$100,000</b>	<b>\$220,000</b>	<b>\$1,474,000</b>	
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- Flat Bed		\$60,000			\$60,000	\$120,000	
Central Services- Parking	High	Install (2) EV Chargers Round House Lot		\$20,000				\$20,000	
Central Services- Parking	High	Lighting Upgrades- Gare Garage		\$55,650				\$55,650	
		<b>Totals</b>	<b>\$0</b>	<b>\$135,650</b>	<b>\$65,000</b>	<b>\$25,000</b>	<b>\$60,000</b>	<b>\$285,650</b>	
SVAHS	1	Boys & Girls Lockers	\$95,000					\$95,000	
SVAHS	2	Entry Doors - Bldg A	\$50,000					\$50,000	
SVAHS	3	Student Activity Vehicles		\$110,000				\$110,000	
SVAHS	5	Boilers - Building C			\$165,000			\$165,000	
		<b>Totals</b>	<b>\$145,000</b>	<b>\$110,000</b>	<b>\$165,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$420,000</b>	
Planning & Sustainability	1	Fitzgerald Lake Parking Lot & Path	\$40,000					\$40,000	
Planning & Sustainability	2	Multiuse Trails (bicycle paths)		\$60,000	\$60,000	\$60,000	\$60,000	\$240,000	
Planning & Sustainability	3	Comprehensive Planning		\$50,000	\$50,000	\$50,000	\$50,000	\$200,000	
Planning & Sustainability	4	Retiring Tax Title		\$30,000	\$30,000	\$30,000	\$30,000	\$120,000	
		<b>Totals</b>	<b>\$40,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$600,000</b>	
ITS	0	NPS Server System Replacement	\$35,000					\$35,000	
ITS	0	WAN Switches Update - NPS	\$20,500					\$20,500	

**CITY OF NORTHAMPTON CAPITAL IMPROVEMENT PROGRAM  
SUMMARY BY YEAR FY2021 - FY2025**

Department	Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL	O M
ITS	0	WAN Switches Update - City	\$25,500					\$25,500	
ITS	0	Fingerprint System Replacement - NPD	\$16,000					\$16,000	
ITS	1	Municipal Broadband Study	\$40,000					\$40,000	
ITS	1	Directory Services Migration - NPS	\$40,000					\$40,000	
ITS	1	City Server System Replacement		\$150,000				\$150,000	
ITS	1	Public Safety Server System Replacement		\$150,000				\$150,000	
ITS	2	UPS Systems Replacement - NFD			\$35,000			\$35,000	
ITS	2	UPS Systems Replacement - NPD				\$35,000		\$35,000	
		<b>Totals</b>	<b>\$177,000</b>	<b>\$300,000</b>	<b>\$35,000</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$547,000</b>	
Parks & Recreation	1	Safety Netting - Florence Recreation Fields	\$145,800					\$145,800	
Parks & Recreation	2	City Field Improvements		\$15,000	\$15,000	\$15,000	\$15,000	\$60,000	
		<b>Totals</b>	<b>\$145,800</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$205,800</b>	
Public Safety-Dispatch	1	Communications Improvement		\$3,000,000	\$3,000,000			\$6,000,000	
Public Safety-Dispatch	1	ProQA EMD Software	\$40,000					\$40,000	
		<b>Totals</b>	<b>\$40,000</b>	<b>\$3,000,000</b>	<b>\$3,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,040,000</b>	
Building Dept	1	Replace 2013 Inspection Vehicle Small AWD Hybrid SUV			\$28,000			\$28,000	
Building Dept	2	Replace 2016 Inspection Vehicle Small AWD Hybrid SUV					\$30,000	\$30,000	
		<b>Totals</b>			<b>\$28,000</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$58,000</b>	
Treasurer-Collector	High	Vehicle Replacement		\$30,000				\$30,000	
Treasurer-Collector	High	Vehicle Replacement			\$30,000			\$30,000	
		<b>Totals</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$30,000</b>			<b>\$60,000</b>	
Fire Rescue	1	Replace 2006 Engine	\$640,000					\$640,000	
Fire Rescue	2	Replace Mechanic /Plow Vehicle		\$62,250				\$62,250	
Fire Rescue	3	Replace 1998 Quad with UTV		\$25,000				\$25,000	
Fire Rescue	4	Staff Vehicle			\$42,500			\$42,500	
Fire Rescue	5	SCBA Replacment			\$95,000			\$95,000	
Fire Rescue	6	Command Vehicle Replacement				\$58,000		\$58,000	
Fire Rescue	7	Thermal Imager Replacement				\$35,500		\$35,500	
Fire Rescue	8	Turnout Gear					\$130,000	\$130,000	
		<b>Totals</b>	<b>\$640,000</b>	<b>\$87,250</b>	<b>\$137,500</b>	<b>\$93,500</b>	<b>\$130,000</b>	<b>\$1,088,250</b>	

**CITY OF NORTHAMPTON CAPITAL IMPROVEMENT PROGRAM  
SUMMARY BY YEAR FY2021 - FY2025**

Department	Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL	O M
DPW-General		Street Resurfacing	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$7,500,000	
DPW-General		Road Improvements	\$180,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,180,000	
DPW-General		Pavement Markings	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	
DPW-General		Sidewalks	\$0	\$175,000	\$200,000	\$200,000	\$200,000	\$775,000	
DPW-General		Traffic Signals	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	
DPW-General		Traffic Calming	\$0	\$25,000	\$25,000	\$25,000	\$25,000	\$100,000	
DPW-General		Forbes Library Drainage	\$220,000	\$0	\$0	\$0	\$0	\$220,000	
DPW-General		Forestry Improvements	\$125,000	\$175,000	\$175,000	\$175,000	\$175,000	\$825,000	
DPW-General		Cemetery Improvements	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	
DPW-General		Hotel Bridge	\$0	\$250,000	\$0	\$0	\$0	\$250,000	
DPW-General		Vehicle Replacement		\$592,000	\$420,000	\$607,000	\$575,000	\$2,194,000	
		<b>Totals</b>	<b>\$2,200,000</b>	<b>\$3,142,000</b>	<b>\$2,745,000</b>	<b>\$2,932,000</b>	<b>\$2,900,000</b>	<b>\$13,919,000</b>	
DPW-Sewer		WWTP & Pump Station Improvements	\$7,900,000	\$11,250,000	\$750,000	\$5,000,000	\$5,000,000	\$29,900,000	
DPW-Sewer		WWTP Equipment Replacement	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	
DPW-Sewer		Sewer Line Replacement	\$950,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,950,000	
DPW-Sewer		Sewer Collection System Equipment	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000	
DPW-Sewer		Vehicle Replacement	\$125,000	\$230,000	\$27,000	\$155,000	\$0	\$537,000	
		<b>Totals</b>	<b>\$9,055,000</b>	<b>\$12,310,000</b>	<b>\$1,607,000</b>	<b>\$5,985,000</b>	<b>\$5,830,000</b>	<b>\$34,787,000</b>	
DPW-Stormwater		Stormdrain Line Replacement	\$319,566	\$500,000	\$500,000	\$500,000	\$500,000	\$2,319,566	
DPW-Stormwater		Flood Control System Upgrades	\$600,000	\$780,000	\$755,000	\$375,000	\$700,000	\$3,210,000	
DPW-Stormwater		Vehicle Replacement	\$0	\$0	\$0	\$155,000	\$380,000	\$535,000	
		<b>Total</b>	<b>\$919,566</b>	<b>\$1,280,000</b>	<b>\$1,255,000</b>	<b>\$1,030,000</b>	<b>\$1,580,000</b>	<b>\$6,064,566</b>	
DPW-Water		Waterline Replacement	\$771,113	\$575,000	\$575,000	\$575,000	\$575,000	\$3,071,113	
DPW-Water		Transmission Main Rehabilitation and Replacement	\$700,000	\$0	\$8,000,000	\$0	\$0	\$8,700,000	
DPW-Water		Reservoir Construction	\$0	\$5,000,000	\$0	\$1,000,000	\$5,000,000	\$11,000,000	
DPW-Water		Meter & Radio Read Replacement	\$25,000	\$95,000	\$95,000	\$95,000	\$95,000	\$405,000	
DPW-Water		Hydrant Replacement	\$5,000	\$30,000	\$30,000	\$30,000	\$30,000	\$125,000	
DPW-Water		Granular Activated Carbon	\$0	\$0	\$150,000	\$150,000	\$0	\$300,000	
DPW-Water		WTP & Distribution System Equipment Replacement	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	

**CITY OF NORTHAMPTON CAPITAL IMPROVEMENT PROGRAM  
SUMMARY BY YEAR FY2021 - FY2025**

Department	Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL	O M
DPW-Water		Vehicle Replacement	\$125,000	\$178,000	\$0	\$100,000	\$0	\$403,000	
		Total	\$1,726,113	\$5,978,000	\$8,950,000	\$2,050,000	\$5,800,000	\$24,504,113	
		TOTALS	\$15,751,345	\$27,767,900	\$19,107,500	\$16,680,500	\$16,895,000	\$96,202,245	

# APPENDIX B







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

Project Title	\$ 19,107,500		General Fund			Stabilization		Borrowing		Enterprise Funds				Trust Funds	Revolving Funds		Receipt Reserved Funds		Other and Reprogrammed		Total
	Mayor's Recommendation	Cash Capital	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	Funds			
Stormwater Enterprise:																					
Stormdrain Line Replacement	\$	500,000						\$	500,000											\$	500,000
Flood Control System Upgrades	\$	755,000						\$	755,000											\$	755,000





# APPENDIX C



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** 7-D Vans (2)

**DATE SUBMITTED:** 10/7/19

## DEPARTMENT PROJECT INFORMATION

Department:	School Department									
Department Contact:	Camie Lamica									
Fiscal Year(s) Requested:	FY21	<input checked="" type="checkbox"/>	FY22	<input type="checkbox"/>	FY23	<input type="checkbox"/>	FY&4	<input type="checkbox"/>	FY25	<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 checked="" type="checkbox"/>	Equipment	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input type="checkbox"/>

## PROJECT DESCRIPTION

Purchase of a regular 7-D Van and a wheelchair 7-D Van to transport our students to and from school, including homeless and foster students. NPS operates 3 buses on a daily basis and retains 2 buses as spares. We continually utilize the buses on a daily basis, year round and need to maintain the fleet of vehicles in good operating condition. We would be requesting a 30-passenger bus replacement, as part of our bus replacement cycle; however, the entire industry is experiencing difficulty finding drivers with a CDL license with a school bus endorsement. By utilizing 7-D vans instead this year, we are able to utilize our current drivers as well as other drivers who possess a regular driver's license along with a 7-D endorsement which is less involved in order to obtain. We will be able to transport homeless and foster child, as required by federal law, in a timely manner without relying solely on contracted services. The contracted service industry accommodating these additional students has also created a shortage in service availability. With the 7-D vans, we will be able to transport up to 7 students in the regular van and up to 6 students or 3 wheelchairs and 2 regular seats. Partial funding comes from the Bus revolving (fees) account.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

We would need to replace one of our fleet buses which would have less flexibility to transport students and by providing 2 vans would provide much more flexibility to provide transportation services to all students.

Cost to Maintain:

New vehicles will cost less than older vehicles and would be less cost than our current buses, but there will still be ongoing maintenance costs for any vehicle.

Describe all Benefits and/or Savings:

Less inconvenience of students able to be transported to/from school each day. More availability of drivers to operate vans than buses. More availability of service available than relying on contracted service provider. Current contract rates are approximately \$100-200/day to have a contracted service, if available, to transport one student.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase	120,000					\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	120,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Financing Sources</b>						
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					\$ 0
City Appropriation	65,000					\$ 0
<b>TOTALS</b>	120,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Food Service Point of Sale Upgrade

**DATE SUBMITTED:** 10/7/19

## DEPARTMENT PROJECT INFORMATION

Department: **NPS**

Department Contact: **Camie Lamica**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 all student data and cannot sync data from our Aspen student database system to Lunchbox. Does not allow us to upload student images since it is not compatible with our student data system. Also, does not allow us to upload/import letterhead templates of any kind into software issue required letters to families notifying them of their free and reduced status. Lunchbox also cannot connect remotely to the cloud so access is from one desktop unit only. The ability to access remotely provides the Director flexibility in answering a parents question while working in one school location while the desktop is in another location, while currently that access is not available.

This request would cover both the front of the house and back of the house software programs (includes menus, dietary information, recipes, and ingredients as well as the student data information and sales reporting required by DESE for claiming purposes. The request includes \$20,000 towards hardware replacement of monitors, keyboards, computer units, for each school

During 2020 Lunchbox will become obsolete and unsupported.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Relying on manual entry is a duplication of effort, increased potential of data errors. Provide increased customer service to students and families to provide timely information.

Cost to Maintain:

Annual maintenance is \$5,900 to be paid out of the food service revolving account which is lower than the current annual maintenance costs.

Describe all Benefits and/or Savings:

Having data accessible from any location would provide better customer service to parents. Eliminating manual entry of data would decrease of labor time needed to perform tasks.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	31,366					\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	31,366	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Financing Sources</b>						
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	31,366					\$ 0
<b>TOTALS</b>	31,366	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Walk in Freezer at JFK

**DATE SUBMITTED:** 10/7/19

## DEPARTMENT PROJECT INFORMATION

Department: **NPS**

Department Contact: **Camie Lamica**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 program at reduced costs and need to be purchased at retail cost.

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings		30,000				\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	30,000	\$ 0	\$ 0	\$ 0	\$ 0
<b>Financing Sources</b>						
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				\$ 0
<b>TOTALS</b>	\$ 0	30,000	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Bus Replacement

**DATE SUBMITTED:** 10/7/19

## DEPARTMENT PROJECT INFORMATION

Department:	NPS					
Department Contact:	Camie Lamica					
Fiscal Year(s) Requested:	FY21 <input type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY&4 <input type="checkbox"/>	FY25 <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 our own vehicles is to contract out the transportation, but this can easily cost \$275 per day or more, depending on the type of vehicle and length of the routes.

NPS has purchased 3 new buses; one in FY15, one in FY16 and one in FY20, 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 most recent mini-bus purchased in FY20 included "star" integrated seats which are child seats used for preschool aged children without having to install a separate car seat. The goal is to have all vehicles be wheelchair mini-buses as we move forward. As of now, 4 of our 6 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:

All 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 warrant on the body and engine.

Describe all Benefits and/or Savings:

Less maintenance costs and less breakdown time and inconvenience and reliance on contracted service providers, if available. 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 and needs going forward.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase		125,000	130,000			\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	125,000	130,000	\$ 0	\$ 0	\$ 0
<b>Financing Sources</b>						
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			\$ 0
City Appropriation						\$ 0
<b>TOTALS</b>	\$ 0	55,000	55,000	\$ 0	\$ 0	\$ 0

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

**Department: Central Services**

**Division: School Facilities**

**Prepared By: David Pomerantz, Director**

**Date Prepared: September 20, 2019**

Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
High	JFK Energy Management System Upgrades	100,000	100,000				200,000
Medium	Ryan Road Energy Management System Upgrades			100,000			100,000
Medium	Leeds School Energy Management System Upgrac			100,000			100,000
Medium	Jackson Street Energy Management System Upgrades		100,000				100,000
High	Conduct Facilities Assessment For Green-house Gas Emissions Projects (6 Schools)						0
	Bridge-Leeds-Jackson Street	60,000					60,000
	High School-JFK Middle School-Ryan Road		60,000				60,000
High	Steam Table Replacement- High School Food Serv	22,500					22,500
Medium	High School Track Resurfacing	15,000		200,000			215,000
Medium	JFK Roof Replacement			1,750,000	1,750,000		3,500,000
Medium	JFK Window Repairs		20,000	20,000			40,000
Medium	Leeds Flooring Replacement	65,000	65,000				130,000
Medium	Leeds Boiler Replacement				150,000		150,000
Medium	Bridge Boiler Replacement			150,000			150,000
Medium	JFK Paving		150,000				150,000
High	Leeds Window Replacement		30,000	250,000			280,000
High	Walk-In Freezer Controls at High School & Middle	15,000					15,000
Medium	JFK- Replace Flooring in Guidance and Admin. Offices			50,000			50,000
Medium	Library Flooring Upgrades- Leeds, Ryan, JFK			55,000	40,000		95,000
Medium	High School- Replace Theatre Fire Curtain			50,000			50,000
Medium	Ryan Road- Accessibility Upgrades for Nurse's Roc	230,000					230,000
Medium	Mediukr District Offices- Space Use Design & Upgrades	65,000					65,000
<b>Totals</b>		<b>572,500</b>	<b>525,000</b>	<b>2,725,000</b>	<b>1,940,000</b>	<b>0</b>	<b>5,762,500</b>

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** JFK Middle School- Energy Management § **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 100,000	\$ 100,000				\$ 200,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 100,000	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 200,000
<b>Financing Sources</b>						
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				\$ 200,000
<b>TOTALS</b>	\$ 100,000	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 200,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Ryan Road- Energy Management System      **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department:	<b>Central Services</b>					
Department Contact:	<b>David Pomerantz, Director</b>					
Fiscal Year(s) Requested:	<b>FY21</b> <input type="checkbox"/>	<b>FY22</b> <input type="checkbox"/>	<b>FY23</b> <input checked="" type="checkbox"/>	<b>FY&amp;4</b> <input type="checkbox"/>	<b>FY25</b> <input type="checkbox"/>	
Department Priority:	<b>Critical</b> <input type="checkbox"/>	<b>High</b> <input type="checkbox"/>	<b>Medium</b> <input checked="" type="checkbox"/>	<b>Low</b> <input type="checkbox"/>		
Type of Project:	<b>Vehicle</b> <input type="checkbox"/>	<b>Equipment</b> <input checked="" type="checkbox"/>	<b>Technology</b> <input checked="" type="checkbox"/>	<b>Facility</b> <input checked="" type="checkbox"/>	<b>Other</b> <input type="checkbox"/>	

## 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 100,000			\$ 100,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 100,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 100,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Leeds School- Energy Management System **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 100,000			\$ 100,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 100,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 100,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Jackson Street School- Energy Managemen **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 100,000				\$ 100,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 100,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 100,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Facilities Assessment- Greenhouse Emissi **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

To develop programs to meet the Mayor's carbon free policy facilities assessments will be conducted to identify capital projects that will reduce fossil fuel energy use and reduce greenhouse gas emissions. The assessments will identify ventilation, heating/cooling, infiltration areas where insulation, air sealing, upgraded heating/cooling equipment, and doors/windows can reduce fossil fuel use.

The first year assessments will look at the four elementary schools (Bridge Street, Leeds, Jackson Street, and Ryan Road). The second year the High School and JFK Middle School will be examined.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Conducting the assessments will allow for the development of prioritized capital projects that can help meet the carbon free policy while continuing to preserve city facilities.

Cost to Maintain:

No costs to maintain.

Describe all Benefits and/or Savings:

Conducting the assessments will allow for the development of prioritized capital projects that can help meet the carbon free policy while continuing to preserve city facilities.

**PROJECT BUDGET AND FUNDING SOURCES**

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

<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
	\$ 60,000	\$ 60,000				\$ 120,000
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 60,000	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 120,000
<b>Financing Sources</b>						
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				\$ 120,000
<b>TOTALS</b>	\$ 60,000	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 120,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Steam Table/Kettle

**DATE SUBMITTED:** 12/12/19

## DEPARTMENT PROJECT INFORMATION

Department: **NPS - Food Service NHS**

Department Contact: **Camie Lamica**

Fiscal Year(s) Requested: FY21  FY22  FY23  FY24  FY25

Department Priority: Critical  High  Medium  Low

Type of Project: Vehicle  Equipment  Technology  Facility  Other

## PROJECT DESCRIPTION

We no longer have a functioning steamer table/kettle at the High School. A steamer table/kettle provides the cafeteria program the ability to prepare and serve a number of hot food items to the students. Without this piece of equipment, we are limited to serving only certain hot food items and quantity during the same lunch period. We currently have two steamer tables/kettle in the kitchen. One has been inoperable for over 2 years and the remaining steamer has just recently been "tagged out" for safety reasons so it can not be utilized any longer. We have researched the ability to repair either of the units and finding the age of units are rendering them unrepairable. To replace the existing model of one of the steamer tables, would allow the kitchen to operate properly. To purchase the comparable unit will cost \$21,600 with removal of old unit and estimated \$900 for connections and installations for a total funding of \$22,500.

## PROJECT NEED

**Impact on Department if Recommended or Not Recommended:**

Food offerings for breakfast and lunch program will be limited due to the lack of heating space to serve hot food items

**Cost to Maintain:**

Minimal cost to maintain a new piece of equipment other than annual inspection for safety purposes.

**Describe all Benefits and/or Savings:**

Being able to prepare and serve hot food items to students at the high school would be beneficial to student health and well being as well as the financial operations of the food service program.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	22,500					22,500
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>
<b>Financing Sources</b>						
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)	22,500					22,500
City Appropriation						\$ 0
<b>TOTALS</b>	<b>22,500</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>22,500</b>

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** High School- Track Resurfacing

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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. Engineering and design work would be completed in FY 21 and construction would be done in FY 23.

## 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
	\$ 15,000					\$ 15,000
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 200,000			\$ 200,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 15,000	\$ 0	\$ 200,000	\$ 0	\$ 0	\$ 215,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 15,000		\$ 200,000			\$ 215,000
<b>TOTALS</b>	\$ 15,000	\$ 0	\$ 200,000	\$ 0	\$ 0	\$ 215,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** JFK Middle School- Roof Replacement

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 1,750,000	\$ 1,750,000		\$ 3,500,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 1,750,000	\$ 1,750,000	\$ 0	\$ 3,500,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 1,750,000	\$ 1,750,000		\$ 3,500,000
<b>TOTALS</b>	\$ 0	\$ 0	\$ 1,750,000	\$ 1,750,000	\$ 0	\$ 3,500,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** JFK Middle School- Window Repairs

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 multi-year period. Such work would increase energy efficiency and help towards meeting the Mayor's net-zero energy policy.

## 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 20,000	\$ 20,000			\$ 40,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 20,000	\$ 20,000	\$ 0	\$ 0	\$ 40,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 20,000	\$ 20,000			\$ 40,000
<b>TOTALS</b>	\$ 0	\$ 20,000	\$ 20,000	\$ 0	\$ 0	\$ 40,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Leeds- Flooring Replacement

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## 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 mostly intact but is 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. The project would be completed over a two-year period.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

While the existing flooring is mostly 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 work would be required moving forward.

Describe all Benefits and/or Savings:

While the existing flooring is mostly 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 65,000	\$ 65,000				\$ 130,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 65,000	\$ 65,000	\$ 0	\$ 0	\$ 0	\$ 130,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 65,000	\$ 65,000				\$ 130,000
<b>TOTALS</b>	\$ 65,000	\$ 65,000	\$ 0	\$ 0	\$ 0	\$ 130,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Leeds and Bridge Street- Boiler Replacem **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department:	<b>Central Services</b>
Department Contact:	<b>David Pomerantz, Director</b>
Fiscal Year(s) Requested:	<b>FY21</b> <input type="checkbox"/> <b>FY22</b> <input type="checkbox"/> <b>FY23</b> <input checked="" type="checkbox"/> <b>FY&amp;4</b> <input checked="" type="checkbox"/> <b>FY25</b> <input type="checkbox"/>
Department Priority:	<b>Critical</b> <input type="checkbox"/> <b>High</b> <input type="checkbox"/> <b>Medium</b> <input checked="" type="checkbox"/> <b>Low</b> <input type="checkbox"/>
Type of Project:	<b>Vehicle</b> <input type="checkbox"/> <b>Equipment</b> <input checked="" type="checkbox"/> <b>Technology</b> <input type="checkbox"/> <b>Facility</b> <input checked="" type="checkbox"/> <b>Other</b> <input type="checkbox"/>

## PROJECT DESCRIPTION

The boilers at both schools are moving toward the end of their useful lives. The planned facilities assessments will examine options for addressing heating in light of the net-zero greenhouse gas emissions policy. Heating related work is slated for FYs 23 and 24 which will allow time for options to be investigated.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installing new heating systems 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 heating systems will provide greater operational efficiency, lower energy costs, increased reliability and reduced service and maintenance costs. Heating upgrades will be tied into the existing building energy management systems.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 150,000	\$ 150,000		\$ 300,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 150,000	\$ 150,000	\$ 0	\$ 300,000
<b>Financing Sources</b>						
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		\$ 300,000
<b>TOTALS</b>	\$ 0	\$ 0	\$ 150,000	\$ 150,000	\$ 0	\$ 300,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** JFK Middle School- Paving

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 150,000				\$ 150,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 150,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 150,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Leeds School- Replacement of Windows

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## 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. The greenhouse gas emissions facilities assessment would examine window issues and options, and architectural design work (FY 22) would examine natural lighting and ventilation requirements along with energy efficiency improvements with new windows. Construction documents would be used for bidding and construction in FY 23.

## 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering		\$ 30,000	\$ 250,000			\$ 280,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 30,000	\$ 250,000	\$ 0	\$ 0	\$ 280,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 30,000	\$ 250,000	\$ 0	\$ 0	\$ 280,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Walk in Freezer at JFK

**DATE SUBMITTED:** 10/7/19

## DEPARTMENT PROJECT INFORMATION

Department: **NPS**

Department Contact: **Camie Lamica**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 program at reduced costs and need to be purchased at retail cost.

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings		30,000				\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	30,000	\$ 0	\$ 0	\$ 0	\$ 0
<b>Financing Sources</b>						
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				\$ 0
<b>TOTALS</b>	\$ 0	30,000	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** JFK School- Replace Flooring in Admin. & **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department:	Central Services					
Department Contact:	David Pomerantz, Director					
Fiscal Year(s) Requested:	FY21 <input type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY&4 <input type="checkbox"/>	FY25 <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 existing commercial carpeting in the administrative and guidance offices would be removed and replaced with carpet tiles. The existing flooring is the original material installed when the school was renovated in 1996.

## 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 daily custodial 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 50,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 50,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Library Flooring Upgrades- Leeds, Ryan & **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

Under this project flooring in the Leeds, Ryan Road and JFK libraries would be replaced. The existing worn carpeting would be removed and carpet tile would be installed in the three spaces. Leeds and Ryan Road would be done in FY 23 and the JFK library work would be completed in FY 24.

## 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:

There are no costs to maintain beyond normal, daily custodial 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 55,000	\$ 40,000		\$ 95,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 55,000	\$ 40,000	\$ 0	\$ 95,000
<b>Financing Sources</b>						
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	\$ 40,000		\$ 95,000
<b>TOTALS</b>	\$ 0	\$ 0	\$ 55,000	\$ 40,000	\$ 0	\$ 95,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** High School- Replace Theatre Fire Curtain **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

Under this project the fire rated curtain in the high school theatre would be replaced. The existing curtain functions properly but the fire rating has expired. A new curtain would be installed and the current curtain would be disposed of.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The new fire curtain would have a current fire rating and would help meet the life safety requirements for the theatre.

Cost to Maintain:

No costs to maintain after installation.

Describe all Benefits and/or Savings:

The new fire curtain would have a current fire rating and would help meet the life safety requirements for the theatre.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 50,000	\$ 0	\$ 0	\$ 50,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Ryan Road- Accessibility Upgrades Nurse' **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department:	<b>Central Services</b>
Department Contact:	<b>David Pomerantz, Director</b>
Fiscal Year(s) Requested:	<b>FY21</b> <input checked="" type="checkbox"/> <b>FY22</b> <input type="checkbox"/> <b>FY23</b> <input type="checkbox"/> <b>FY&amp;4</b> <input type="checkbox"/> <b>FY25</b> <input type="checkbox"/>
Department Priority:	<b>Critical</b> <input type="checkbox"/> <b>High</b> <input type="checkbox"/> <b>Medium</b> <input checked="" type="checkbox"/> <b>Low</b> <input type="checkbox"/>
Type of Project:	<b>Vehicle</b> <input type="checkbox"/> <b>Equipment</b> <input checked="" type="checkbox"/> <b>Technology</b> <input type="checkbox"/> <b>Facility</b> <input checked="" type="checkbox"/> <b>Other</b> <input type="checkbox"/>

## PROJECT DESCRIPTION

Ryan Road school administrators are interested in expanding the nurse's office to provide accommodations for special needs students. Efforts would entail engineering and architectural work to produce construction documents that would be used for bidding. Construction would include actual work and construction administration to oversee the work.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Upgrades to the nurse's room would provide accessibility and services for students who at this point have no options.

Cost to Maintain:

No costs to maintain after construction.

Describe all Benefits and/or Savings:

Upgrades to the nurse's room would provide accessibility and services for students who at this point have no options.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering	\$ 15,000					\$ 15,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 215,000					\$ 215,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 230,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 230,000
<b>Financing Sources</b>						
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	\$ 230,000					\$ 230,000
<b>TOTALS</b>	\$ 230,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 230,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** District Offices- Space Use Design & Upgr. **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department:	Central Services				
Department Contact:	David Pomerantz, Director				
Fiscal Year(s) Requested:	FY21 <input checked="" type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY&4 <input type="checkbox"/>	FY25 <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

To improve operations in the school district central offices the superintendent would like to look at and implement space utilization upgrades. Work would include both design and renovations for FY21.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Improved staff operations.

Cost to Maintain:

No costs to maintain after work is completed.

Describe all Benefits and/or Savings:

Improved staff operations.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
						\$ 0
Feasibility Study						\$ 0
Design - Engineering	\$ 8,000					\$ 8,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 57,000					\$ 57,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 65,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 65,000
<b>Financing Sources</b>						
						\$ 0
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 65,000					\$ 65,000
<b>TOTALS</b>	\$ 65,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 65,000

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

**Department: Central Services**

**Division: City Facilities**

**Prepared By: David Pomerantz, Director**

**Date Prepared: September 20, 2019**

Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
Medium	Senior Center- Lobby-Reception Upgrades		55,000				55,000
High	Senior Center- Paint Exterior of Building	110,000					110,000
High	Academy of Music- Expand Fire Suppression System	150,000					150,000
High	Academy of Music- Replace Stage Fire Curtain			150,000			150,000
Medium	Academy of Music- Upgrade Air Conditioning System		20,000	100,000			120,000
High	Fire Dept.- Upgrade Hardware for Overhead Doors at Both Stations	15,000					15,000
Medium	Florence Fire Station- Pave Rear Parking Lot	10,000	55,000				65,000
High	Purchase City Maintenance Vehicles	45,000	45,000				90,000
High	Conduct Net-Zero GHG Facilities Studies (7 Buildings)	120,000					120,000
Medium	Upgrade Memorial Hall Boiler			100,000			100,000
Medium	Upgrade City Hall Boiler				95,000		95,000
Medium	Replace Memorial Hall Asphalt Roof					125,000	125,000
High	Lighting Upgrades Multiple City Facilities	110,000					110,000
High	Rec. Dept.- Roof Musante Beach & Arcanum Field Facilities	30,000					30,000
Medium	Rec. Dept.- Replace (7) Safety Village Buildings	48,000	36,000				84,000
Medium	Forbes Library- Lower Level Ventilation & HVAC Upgrades	25,000	100,000				125,000
		<b>663,000</b>	<b>311,000</b>	<b>350,000</b>	<b>95,000</b>	<b>125,000</b>	<b>1,544,000</b>

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Senior Center- Paint Exterior of Building

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

The Senior Center opened in 2007. The 22,000 sf. building has cement board siding and trim on the exterior and the material should be painted. It is faded in places and there are gaps in some of the siding joints and trim edges.

The building would be prepped and joints and edges would be sanded and sealed. Two coats of paint would be applied. A telescoping lift would be used to access the large cupola at the center of the building.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The siding and trim would be sealed and protected, it's longevity would be increased, and the potential for water seepage into the building would be diminished.

Cost to Maintain:

No costs to maintain.

Describe all Benefits and/or Savings:

The siding and trim would be sealed and protected, it's longevity would be increased, and the potential for water seepage into the building would be diminished.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 110,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 110,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Academy of Music- Expand Fire Suppressi **DATE SUBMITTED:** 09.30.2019

## DEPARTMENT PROJECT INFORMATION

Department:	Central Services				
Department Contact:	David Pomerantz, Director				
Fiscal Year(s) Requested:	FY21 <input checked="" type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY&4 <input type="checkbox"/>	FY25 <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

Previous renovations to the Academy of Music in 2004 included the installation of a partial sprinkler system in the building. This project would cover the engineering and installation of an expanded system that would provide total fire suppression for the facility.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If implemented the project would provide fire suppression and life safety protection for the historic building.

Cost to Maintain:

As is now done, the system would be inspected on an annual basis as part of a city wide contract, and repairs would be made on an as needed basis.

Describe all Benefits and/or Savings:

If implemented the project would provide fire suppression and life safety protection for the entire historic building.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering	\$ 10,000					\$ 10,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 140,000					\$ 140,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Academy of Music- Replace Stage Fire Cu **DATE SUBMITTED:** 09.30.2019

## DEPARTMENT PROJECT INFORMATION

Department:	<b>Central Services</b>
Department Contact:	<b>David Pomerantz, Director</b>
Fiscal Year(s) Requested:	<b>FY21</b> <input type="checkbox"/> <b>FY22</b> <input type="checkbox"/> <b>FY23</b> <input checked="" type="checkbox"/> <b>FY&amp;4</b> <input type="checkbox"/> <b>FY25</b> <input type="checkbox"/>
Department Priority:	<b>Critical</b> <input type="checkbox"/> <b>High</b> <input checked="" type="checkbox"/> <b>Medium</b> <input type="checkbox"/> <b>Low</b> <input type="checkbox"/>
Type of Project:	<b>Vehicle</b> <input type="checkbox"/> <b>Equipment</b> <input checked="" type="checkbox"/> <b>Technology</b> <input type="checkbox"/> <b>Facility</b> <input checked="" type="checkbox"/> <b>Other</b> <input type="checkbox"/>

## 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 150,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 150,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Academy of Music- Air Conditioning Upgra **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department:	<b>Central Services</b>
Department Contact:	<b>David Pomerantz, Director</b>
Fiscal Year(s) Requested:	<b>FY21</b> <input type="checkbox"/> <b>FY22</b> <input checked="" type="checkbox"/> <b>FY23</b> <input checked="" type="checkbox"/> <b>FY&amp;4</b> <input type="checkbox"/> <b>FY25</b> <input type="checkbox"/>
Department Priority:	<b>Critical</b> <input type="checkbox"/> <b>High</b> <input type="checkbox"/> <b>Medium</b> <input checked="" type="checkbox"/> <b>Low</b> <input type="checkbox"/>
Type of Project:	<b>Vehicle</b> <input type="checkbox"/> <b>Equipment</b> <input checked="" type="checkbox"/> <b>Technology</b> <input type="checkbox"/> <b>Facility</b> <input checked="" type="checkbox"/> <b>Other</b> <input type="checkbox"/>

## PROJECT DESCRIPTION

The air conditioning system at the AOM is aging and upgrades should be planned for. The proposed multi-facilities assessments that would lead to projects to reduce greenhouse gas emissions would look at options for addressing cooling needs at the AOM. Based on the facilities assessment for the AOM engineering and design for cooling upgrades would be completed in FY 22 and system upgrades would be completed in FY23. Work would also include updating energy management system controls as needed.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

System upgrades would reduce greenhouse gas emissions, reduce energy consumption for the building, and address occupant comfort levels.

Cost to Maintain:

Once installed, annual costs would cover maintenance and cleaning by city HVAC staff.

Describe all Benefits and/or Savings:

System upgrades would reduce greenhouse gas emissions, reduce energy consumption, and address occupant comfort levels.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering		\$ 20,000				\$ 20,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction			\$ 100,000			\$ 100,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 20,000	\$ 100,000	\$ 0	\$ 0	\$ 120,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation		\$ 20,000	\$ 100,000			\$ 120,000
<b>TOTALS</b>	\$ 0	\$ 20,000	\$ 100,000	\$ 0	\$ 0	\$ 120,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Florence Fire Station- Pave Rear Parking I **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

The rear parking lot at Florence Fire station is beginning to deteriorate and should be replaced. The blacktop would be removed and due to the truck traffic on the lot 8" of gravel base would be removed and 8" of hard-pack gravel would be installed. The lot would be grated to permit proper water runoff. A manhole cover and (2) dry well frames and grates would be replaced with hinge latch covers. New 4" paving would be installed with curbing and stone.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If implemented, the new lot would properly address water runoff and drainage, and would provide a sound surface for vehicle and truck travel.

Cost to Maintain:

No costs to maintain.

Describe all Benefits and/or Savings:

If implemented, the new lot would properly address water runoff and drainage, and would provide a sound surface for vehicle and truck travel.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering	\$ 10,000					\$ 10,000
Site Acquisition						\$ 0
Site Improvements		\$ 55,000				\$ 55,000
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 10,000	\$ 55,000	\$ 0	\$ 0	\$ 0	\$ 65,000
<b>Financing Sources</b>						
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	\$ 55,000				\$ 65,000
<b>TOTALS</b>	\$ 10,000	\$ 55,000	\$ 0	\$ 0	\$ 0	\$ 65,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Purchase City Maintenance Vehicles

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

Under this project Central Services would purchase a utility body truck to carry tools, materials and ladders. Maintenance staff now use a staff car and one van to move about the city and carry materials and equipment and recycle debris. The utility body truck would allow staff to split up and be able to address more work more quickly. The 3/4 ton truck would have a lift gate and a ladder rack.

In 2022 the existing van, which is a 2005 and currently has 43,000 miles on it, would be traded in and a new van would be purchased.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Purchasing this vehicle would allow for more efficient and timely operations for city maintenance and renovations work.

Cost to Maintain:

Normal preventative maintenance would be required.

Describe all Benefits and/or Savings:

Purchasing this vehicle would allow for more efficient and timely operations for city maintenance and renovations work.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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				\$ 90,000
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 45,000	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 90,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 45,000	\$ 45,000				\$ 90,000
<b>TOTALS</b>	\$ 45,000	\$ 45,000	\$ 0	\$ 0	\$ 0	\$ 90,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Net-Zero GHG Study, Multiple City Bldgs. **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

Per Mayoral Policy: "Greenhouse Gas Impacts of HVAC Improvement Projects" - Conduct Facilities Assessment for pathways toward net-zero greenhouse gas emissions for seven city facilities (Memorial Hall\*, City Hall\*, Forbes Library, Fire HQ, DPW-Garage, Academy of Music, Police HQ)

\* The city expects to make major investments in HVAC equipment in this building in the near future

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

These studies are critical for the city to plan on how to prepare buildings for a transition to net-zero HVAC technology. Without this info, the city is forced to replace current equipment with like-kind.

Cost to Maintain:

NA

Describe all Benefits and/or Savings:

These studies are essential for the city to plan on how to transition to low/no-carbon HVAC systems so as to invest in HVAC equipment that is needed to meet the mayor's pledge to becoming a Net-Zero community by 2050, support the goals enshrined in the Paris Agreement and support City Council resolutions on 100 Percent Renewable Energy and opposition to the Expansion of Gas Infrastructure

**PROJECT BUDGET AND FUNDING SOURCES**

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

<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
	\$ 120,000					\$ 120,000
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 120,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 120,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 120,000					\$ 120,000
<b>TOTALS</b>	\$ 120,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 120,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Replace Memorial Hall & City Hall Boilers      **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department:	Central Services					
Department Contact:	David Pomerantz, Director					
Fiscal Year(s) Requested:	FY21 <input type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY&4 <input checked="" type="checkbox"/>	FY25 <input type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input checked="" type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

## PROJECT DESCRIPTION

While still operating efficiently, the boilers in Memorial Hall and City Hall are beginning to reach their useful life span. The units are maintained and inspected under a city wide contract each year and to date repairs have been normal. New burner motors were installed on both units as part of the 2010 energy performance contract. Both boilers are H. B. Smith natural gas fired boilers

Before new units are installed facilities assessments will be conducted to identify needs and methods to address reducing greenhouse gas emissions. The type of heating packages that are settled on will be based on reducing the use of fossil fuels over time to in light of the Mayor's new zero carbon policy.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

New systems will provide more efficient heating, will use less energy and will help work toward a reduction in fossil fuel use. The boilers will be tied into existing energy management systems.

Cost to Maintain:

Annual preventative maintenance.

Describe all Benefits and/or Savings:

New systems will provide more efficient heating, will use less energy and will help work toward a reduction in fossil fuel use. The boilers will be tied into existing energy management systems.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings			\$ 100,000	\$ 95,000		\$ 195,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 100,000	\$ 95,000	\$ 0	\$ 195,000
<b>Financing Sources</b>						
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	\$ 95,000		\$ 195,000
<b>TOTALS</b>	\$ 0	\$ 0	\$ 100,000	\$ 95,000	\$ 0	\$ 195,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Replace Memorial Hall Asphalt Roof

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department:	Central Services				
Department Contact:	David Pomerantz, Director				
Fiscal Year(s) Requested:	FY21 <input type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY&4 <input type="checkbox"/>	FY25 <input checked="" type="checkbox"/>
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>	
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input checked="" type="checkbox"/>	Other <input type="checkbox"/>

## PROJECT DESCRIPTION

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 the fact that the roof will need to be addressed at some point.

Cost to Maintain:

No costs to maintain once the roof is installed.

Describe all Benefits and/or Savings:

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 the fact that the roof will need to be addressed at some point.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering					\$ 10,000	\$ 10,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction					\$ 115,000	\$ 115,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 125,000	\$ 125,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 125,000	\$ 125,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Lighting Upgrades Multiple City Facilities

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

City Facilities- Lighting Upgrades Multiple Facilities (City Hall, Memorial, Municipal, Senior Center, James House) to LED technology.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

An annual cost of delay of about \$10,600/year in energy costs and thousands of dollars a year in reduced operating expenses. Delay in reducing greenhouse gas (GHG) emissions.

Cost to Maintain:

Reduction in the cost to maintain: LED technology lasts four times as long as current florescent lamps therefore reducing the cost of maintenance by four.

Describe all Benefits and/or Savings:

- Preliminary estimated annual savings of about \$10,600/year and 62,600 kWh/year in energy use.
- Reduced maintenance load.
- Reduced GHG emissions equivalent to offsetting electricity used to power 8 homes.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 110,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 110,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Rec. Dept.- Roof Musante Beach & Arcant **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

Roofing and trim at the Musante Beach and the Arcanum Field buildings are in need of replacement. Work would install: stripping off the old shingles, adding plywood decking and trim where needed, and installing flashing and architectural shingles.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installing new roof systems will provide protection for the buildings and allow for their continued use.

Cost to Maintain:

No costs to maintain after installation.

Describe all Benefits and/or Savings:

Installing new roof systems will provide protection for the buildings and allow for their continued use.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 30,000					\$ 30,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 30,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 30,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Rec. Dept.- Replace Safety Village Building **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

The (7) wood framed buildings that comprise Safety Village at Arcanum Field were built by volunteers 18 years ago and are need of replacement. The roofs are deteriorated and the wood framed buildings, which are also used for Rec. Dept. and DPW storage, are suffering from water damage. The buildings would be replaced with pre-fab wooden sheds over a two-year period.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

New buildings would allow for continued operation of Safety Village and would continue to provide for storage for the DPW and the Rec. Dept.

Cost to Maintain:

Occasional painting over time.

Describe all Benefits and/or Savings:

New buildings would allow for continued operation of Safety Village and would continue to provide for storage for the DPW and the Rec. Dept.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 48,000	\$ 36,000				\$ 84,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 48,000	\$ 36,000	\$ 0	\$ 0	\$ 0	\$ 84,000
<b>Financing Sources</b>						
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	\$ 36,000				\$ 84,000
<b>TOTALS</b>	\$ 48,000	\$ 36,000	\$ 0	\$ 0	\$ 0	\$ 84,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Forbes Library- Ventilation & HVAC Upgra **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

The basement level houses the Children's & Young Adult Department, the Community Room as well as several staff areas, mechanical spaces and storage. There are ongoing ventilation issues and uneven heating and cooling throughout these spaces that have caused distress for the public as well as the staff. This is due in part because a large percentage of the level does not currently have direct heating and cooling but relies upon air coming in from other spaces. The "middle basement" is one of these areas and the library is currently devising plans to reclaim that space for a much needed youth programming room. The current air handling unit was installed in 1991 and the system is strained so it would not be able to handle the demands of supplying air for a larger occupied square footage.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installation of an upgraded and expanded system would provide proper ventilation, heating and cooling, as well as provide a more efficiently operating mechanical system.

Cost to Maintain:

Annual preventative maintenance by city staff would be required.

Describe all Benefits and/or Savings:

Installation of an upgraded and expanded system would provide proper ventilation, heating and cooling, as well as provide a more efficiently operating mechanical system.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering	\$ 25,000					\$ 25,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 100,000				\$ 100,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 25,000	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 125,000
<b>Financing Sources</b>						
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	\$ 100,000				\$ 125,000
<b>TOTALS</b>	\$ 25,000	\$ 100,000	\$ 0	\$ 0	\$ 0	\$ 125,000



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** E.J. Gare Garage Repairs

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

Extensive structural and cosmetic repairs were made to the E.J. Gare Parking Garage between FYs 13-17. Under this capital project money for small preventative maintenance will be used to protect the previous investments made. Epoxy caulking, painting and waterproofing are the types of spot work that would be done with these funds.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

This work will help preserve the previously completed significant efforts and will negate the need for more extensive work down the road.

Cost to Maintain:

No costs to maintain.

Describe all Benefits and/or Savings:

This work will help preserve the previously completed significant efforts and will negate the need for more extensive work down the road.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 25,000	\$ 0	\$ 25,000	\$ 0	\$ 50,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 25,000	\$ 0	\$ 25,000	\$ 0	\$ 50,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Equipment: Bobcat Skid-Steer Loader

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 20 year old unit that has 2,450 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 40,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 40,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Parking Vehicle- Replace Flat Bed Truck

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 39,000 miles. Repairs and maintenance are normal at this point but will increase as the ages. The existing vehicle would be traded in for a new Ford 350 flatbed. The truck would have a plow package and plow.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

**PROJECT BUDGET AND FUNDING SOURCES**

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

<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 60,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 60,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 60,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Install EV Chargers in Round House Lot

**DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department: **Central Services**

Department Contact: **David Pomerantz, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

As part of the expansion and reconstruction of the Round House parking lot, which will also include a canopy solar array, a dual-head Charge Point EV charger will be installed. The model, which the City has installed in other locations, allows for the monitoring of electrical consumption. With the installation of this unit the City will have installed 7 EV charging stations in the last eight years. The utility company provides incentives and rebates for such projects so the actual cost will be much less.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Installing the charging station will help provide for increased electric vehicle charging capacity in the city. The units are set up that the city can implement charging for power if that point is reached.

Cost to Maintain:

There are no real costs with the exception of occasional preventative maintenance.

Describe all Benefits and/or Savings:

Installing the charging station will help provide for increased electric vehicle charging capacity in the city. The units are set up that the city can implement charging for power if that point is reached.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 20,000					\$ 20,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 20,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 20,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 20,000					\$ 20,000
<b>TOTALS</b>	\$ 20,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 20,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Lighting Upgrades- Gare Parking Garage    **DATE SUBMITTED:** 09.30.19

## DEPARTMENT PROJECT INFORMATION

Department:	Central Services
Department Contact:	David Pomerantz, Director
Fiscal Year(s) Requested:	FY21 <input checked="" type="checkbox"/> FY22 <input type="checkbox"/> FY23 <input type="checkbox"/> FY&4 <input type="checkbox"/> FY25 <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

Parking Facilities- Lighting upgrades at Gare Garage to LED technology: interior and wall-hung exterior lighting.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

An annual cost for delaying implementation of about \$11,350/year in energy costs, and a delay in reducing greenhouse gas (GHG) emissions.

Cost to Maintain:

Reduction in the cost to maintain: LED technology lasts four times as long as current florescent lamps therefore reducing the cost of maintenance by four.

Describe all Benefits and/or Savings:

- Preliminary estimated annual savings of about \$11,350/year and 66,745 kWh/year in energy use.
- Reduced maintenance load.
- Reduced GHG emissions equivalent to offsetting electricity used to power 9 homes.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 55,650					\$ 55,650
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 55,650	\$ 0	\$ 0	\$ 0	\$ 0	\$ 55,650
<b>Financing Sources</b>						
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	\$ 55,650					\$ 55,650
<b>TOTALS</b>	\$ 55,650	\$ 0	\$ 0	\$ 0	\$ 0	\$ 55,650



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Boys and Girls Locker Rooms

**DATE SUBMITTED:** 10/9/19

## DEPARTMENT PROJECT INFORMATION

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

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

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

The original lockers (1976) are in the both boys and girls locker rooms. Most are broken and others are too small to hold sports equipment and/or personal items. Because we are unable to secure student items this often leads to theft, vandalism and bullying behavior.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Potential students maybe discouraged by the appearance of the locker room. Admin. is constantly dealing with theft. If activated as an emergency shelter, there is no adequate locking devices.

Cost to Maintain:

minimal

Describe all Benefits and/or Savings:

Students will be able to lock up items and not have to worry about something being stolen or not secured. Admin. will no longer have to worry about safety hazards. Coaches will be able to meet with students in an office instead of the office being used as a storage space which will provide proper supervision.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements	\$ 95,000					\$ 95,000
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 95,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 95,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 95,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 95,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Entry Doors - Bldg A

**DATE SUBMITTED:** 10/9/19

## DEPARTMENT PROJECT INFORMATION

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

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

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

Replacement of exterior doors for the cafeteria and exterior doors at the east and west end of the main hallway of A building. These doors are original to the building and are in constant need of repair. Both hinges and the closer have been replaced several times. These doors do not latch unless the user makes an effort to close it. These doors are not weather tight and are difficult to secure. The doors on the east and west end of the main hallway will have one entry way that will be ADA compliant. These will have a push button door opener.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not installed, A building security will remain at risk. Occupant comfort will be affected by the weather.

Cost to Maintain:

none

Describe all Benefits and/or Savings:

Higher security, comfort of the occupants and more energy conservative.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements	\$ 50,000					\$ 50,000
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Student Activity Vans

**DATE SUBMITTED:** 10/9/19

## DEPARTMENT PROJECT INFORMATION

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

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

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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. We received two student activity vans from capital improvement in FY20. Therefore, we have three additional 14 passenger vans that we would like to replace two (2) of them. The vans are 17 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**

<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 110,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 110,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 110,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Boilers - Building C

**DATE SUBMITTED:** 10/9/2019

## DEPARTMENT PROJECT INFORMATION

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

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

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

The boiler in C building is a Hydro Therm boiler which is five smaller boilers that fire one to five boilers based on the demand for more heat. The system was installed in 1996. During the previous winter, boiler number one developed a leak which shorted out the entire heating system. This resulted in four classrooms flooding due to frozen pipes. This system alternates which boilers run and maintains the same amount of run time between them. All these boilers should have the same amount of wear and tear on them. It is time to plan for their replacement.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended, C building will not have a dependable heating system.

Cost to Maintain:

P/M cost would be minimal, and part of Smith School's summer boiler maintenance program

Describe all Benefits and/or Savings:

If recommended: C building will have a dependable heating system for our educational mission and will protect C building from any additional repairs if a boiler failed during the winter months.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 165,000					\$ 165,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 165,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 165,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation	\$ 165,000					\$ 165,000
<b>TOTALS</b>	\$ 165,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 165,000



# City of Northampton Capital Plan FY20-FY25

**PROJECT TITLE:** Fitzgerald Lake Parking Lot and Path

**DATE SUBMITTED:** 9/24/19

## DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

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

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 22 years old, with some minor repairs 14 years ago. This investment should last another two decades.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY 20&amp;4</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 50,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 50,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** MultiUse Trails (bicycle paths)

**DATE SUBMITTED:** 9/24/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

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

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

The City has invested in an 12 mile multiuse trail system which receives very heavy recreation and transportation use. The proposed project will expand the New Haven/Northampton (Manhan) Rail Trail, the MassCentral Rail Trail, the Rocky Hill Trail, and add a Connecticut River Greenway trail. Funds are partially matched by grants that the city has received. Transportation on multiuse trails creates far less financial and physical impacts on the city's road system then single-occupancy motor vehicles trips, creating a net savings for the city over the life of the project.

We are requesting primarily design and very small construction funding. This small city investment leverage a huge investment of state and federal funds. For example, in FY20, less than \$50,000 in design funds leveraged 1 new mile of paved trail, 1 mile of pavement repairs, and \$400,000 in state and federal funds as well as additional CPA funds. We expect similar ratios of city to grant dollars.

## 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 FY21-FY25

**PROJECT TITLE:** Comprehensive Plan update & implementation

**DATE SUBMITTED:** 9/24/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

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

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 (2018-2020) and will then update the comprehensive plan itself (2020-2022). 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY 20&amp;4</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering	\$ 50,000	\$ 50,000				\$ 100,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other			\$ 50,000	\$ 50,000		\$ 100,000
Contingency						\$ 0
<b>TOTALS</b>	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 0	\$ 200,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 0	\$ 200,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Retiring Tax Title

**DATE SUBMITTED:** 9/24/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Planning & Sustainability**

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

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY 20&amp;4</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 0	\$ 120,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 0	\$ 120,000

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

**Department:** IT Services

**Division:** \_\_\_\_\_

**Prepared By:** Antonio Pagan

**Date Prepared:** 10/8/19

Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
0	NPS Server System Replacement	35,000					35,000
0	WAN Switches Update - NPS	20,500					20,500
0	WAN Switches Update - City	25,500					25,500
0	Fingerprint System Replacement - NI	16,000					16,000
1	Municipal Broadband Study	40,000					40,000
1	Directory Services Migration - NPS	40,000					40,000
1	City Server System Replacement		150,000				150,000
1	NPD Server System Replacement		150,000				150,000
2	UPS Systems Replacement - NFD			35,000			35,000
2	UPS Systems Replacement - NPD				35,000		35,000
							0
<b>Totals</b>		<b>177,000</b>	<b>300,000</b>	<b>35,000</b>	<b>35,000</b>	<b>0</b>	<b>547,000</b>

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** NPS Server System Replacement

**DATE SUBMITTED:** 10/15/2019

## DEPARTMENT PROJECT INFORMATION

Department:	IT Services									
Department Contact:	Antonio Pagan									
Fiscal Year(s) Requested:	FY21	<input checked="" type="checkbox"/>	FY22	<input type="checkbox"/>	FY23	<input type="checkbox"/>	FY24	<input type="checkbox"/>	FY25	<input type="checkbox"/>
Department Priority:	Critical	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input type="checkbox"/>

## PROJECT DESCRIPTION

Complete the replacement of 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 35,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 35,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** WAN Switches Update - NPS

**DATE SUBMITTED:** 10/15/2019

## DEPARTMENT PROJECT INFORMATION

Department:	IT Services				
Department Contact:	Antonio Pagan				
Fiscal Year(s) Requested:	FY21 <input checked="" type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <input type="checkbox"/>	FY25 <input type="checkbox"/>
Department Priority:	Critical <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>	
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input checked="" type="checkbox"/>	Technology <input 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:

NPS operations rely on the continuous performance of the WAN connectivity. Internet, VoIP phones, Munis, cloud-based applications, document management, file shares and other day to day functions depend heavily on the performance of the switches that power the WAN. Staff productivity is positively impacted by the work performed by this equipment. This is the last of three years of switches replacement project and we have supplemented the cost with eRate funding.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 20,500					\$ 20,500
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 20,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 20,500
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** WAN Switches Update - City

**DATE SUBMITTED:** 10/15/2019

## DEPARTMENT PROJECT INFORMATION

Department:	IT Services				
Department Contact:	Antonio Pagan				
Fiscal Year(s) Requested:	FY21 <input checked="" type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <input type="checkbox"/>	FY25 <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

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 25,500					\$ 25,500
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 25,500	\$ 0	\$ 0	\$ 0	\$ 0	\$ 25,500
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Fingerprint System Replacement - NPD

**DATE SUBMITTED:** 10/15/2019

## DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

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Department Contact: **Antonio Pagan**

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Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY24**  **FY25**

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

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

## PROJECT DESCRIPTION

The current fingerprint system was scheduled to be replaced on 2022, but it will get out of compliance before the scheduled time. The system include hardware and software to process the digital fingerprinting and connect with the proper FBI systems. We need to replace the system in order to remain in compliance with CJIS regulations.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Police Department would be out of compliance with CJIS regulations.

Cost to Maintain:

The support services for the system cost around 20% of the system cost.

Describe all Benefits and/or Savings:

The fingerprint is used by Police Department to perform essential functions of fingerprinting.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings	\$ 16,000					\$ 16,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 16,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 16,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Municipal Broadband Initiative Study

**DATE SUBMITTED:** 10/15/2019

## DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagan**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY24**  **FY25**

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 an engineering firm to perform a 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
	\$ 40,000					\$ 40,000
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 40,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Directory Services Migration

**DATE SUBMITTED:** 10/15/2019

## DEPARTMENT PROJECT INFORMATION

Department:	IT Services				
Department Contact:	Antonio Pagan				
Fiscal Year(s) Requested:	FY21 <input checked="" type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <input type="checkbox"/>	FY25 <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 type="checkbox"/>	Other <input checked="" type="checkbox"/>

## PROJECT DESCRIPTION

The hardware infrastructure within the Northampton Public Schools have been under a review and replacement process during the last three (3) years. It has been clear that our integrated systems are still not the point of optimization and one of the limiting factors is the current implementation of OES Directory Services technology (Novell). This technology has been in place within our networked environment since the first implementation, but is not well supported by third party providers that need to integrate with our systems.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The current system is reliable, but lacks the support from third party vendors. When working with other systems that rely on our Directory Services, the repairs are lengthy and troublesome.

Cost to Maintain:

The replacement system (Windows Active Directory) is covered within our current Microsoft contract.

Describe all Benefits and/or Savings:

This migration will allow us to maintain better the integration of systems that work within the network and/or in the cloud. Once the migration is completed, we will be better prepared to enhance the integration of authentication for the following systems:

- Network Printers and Copiers, File Sharing, Aspen, AESOP, and other cloud based solutions.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering	\$ 40,000					\$ 40,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 40,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** City Server System Replacement

**DATE SUBMITTED:** 10/15/2019

## DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagan**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY24**  **FY25**

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, NX-1365G5
- 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 150,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** NPD Server System Replacement

**DATE SUBMITTED:** 10/15/2019

## DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagan**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY24**  **FY25**

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 licenses, 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:

This system is essential 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 licenses and support services is between 15% and 20% of the system cost.

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. During the life of the existing system, we haven't need to incur in cost of replacements or additional equipment.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 150,000	\$ 0	\$ 0	\$ 0	\$ 150,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** UPS Systems Replacement - NFD

**DATE SUBMITTED:** 10/15/2019

## DEPARTMENT PROJECT INFORMATION

Department:	IT Services				
Department Contact:	Antonio Pagan				
Fiscal Year(s) Requested:	FY21 <input type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY24 <input type="checkbox"/>	FY25 <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 checked="" type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>

## PROJECT DESCRIPTION

The life expectancy for an Uninterruptible Power Supplies (UPS) is 10 years. The UPS acts as an intermediary between vital equipment and the electrical hookups. If the building loses power even a blip in power our equipment would also lose power and shut down. This equipment includes our business phones, radio systems, and computers. These are all vital components to perform our duties and serve the public and other public safety agencies. We have one UPS that cover the equipment in the dispatch center, one UPS in our radio room that connects all radio (police, fire, schools, DPW, area agencies) to our dispatch radios and one at the Florence Fire station. We purchased 2 new UPS' in July 2011 in an emergency situation where the UPS in Dispatch failed. To avoid another emergency purchase it is imperative to replace the units by not later than 2022 calendar year.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Not replacing the UPS as planned can result in an emergency purchase without notice. If the UPS failed, all operations including radio would 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 2 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 35,000	\$ 0	\$ 0	\$ 35,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** UPS Battery Replacement (Police Station) **DATE SUBMITTED:** 10/15/2019

## DEPARTMENT PROJECT INFORMATION

Department: **IT Services**

Department Contact: **Antonio Pagan**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY24**  **FY25**

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

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

## PROJECT DESCRIPTION

We recently replaced the UPS batteries for the Police Station. The UPS acts as an intermediary between vital equipment and the electrical hookups. If the building loses power even a blip in power our equipment would also lose power and shut down. This equipment includes our data and VoIP devices, as well as the Server System platform. These are all vital components to perform our duties and serve the public and other public safety agencies. We have two UPS units that cover the equipment in the second floor's server room and one UPS unit in the first floor IDF. To avoid any data losses or service interruption during power failures it is imperative to maintain the units and replace the the system not later than every 10 years.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Not replacing the UPS as planned can result in an emergency purchase without notice. If the UPS failed, all operations including all security systems would ceased creating a hazardous situation.

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 Station's network and Telecommunications. An updated UPS System will ensure steady operations during disaster recovery situations.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 35,000	\$ 0	\$ 35,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

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

**Department: Parks & Recreation**

**Division:**

**Prepared By: Ann-Marie Moggio, Director**

**Date Prepared: 10-Oct-19**

Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
1	Safety Netting - Florence Recreation F	145,800					145,800
2	City Field Improvements	15,000	15,000	15,000	15,000	15,000	75,000
							0
	<b>Totals</b>	<b>160,800</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>220,800</b>

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Safety Netting - Florence Recreation Field: **DATE SUBMITTED:** October 10, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Parks & Recreation**

Department Contact: **Ann-Marie Moggio, Director**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

Florence Recreation Fields is the City's newest facility, with 20 acres of park space on Meadow St. in Florence. There are five multi-purpose and two baseball fields, playground, pavilion, bathrooms, parking lots and a paved trail around the park. The fields are used late March through October each year. The baseball fields are in need of additional netting for safety. Currently, when playing on the 90' baseball field, baseballs are fouled off into the parking lot and along the walking path. Baseballs from the 70' field are hit into the playground, walking path area, and fouled back into the parking lot. This project would allow us to install safety netting along the fields to protect walkers, bikers as well as those playing on the playground area. Currently, on both baseball fields, many parking spots aren't used when a baseball game is happening due to the balls hitting windshields. As it is, the baseballs bounce and hit cars even if not parked close by. Cars are parked on grass areas and the sidewalk entry area because of this. This additional netting would allow these parking spots to be utilized.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

As usage has grown at the park, we need to ensure the safest experience possible for our community. Safety netting to prevent injuries, balls hitting people or broken windshields is essential.

Cost to Maintain:

DPW Parks staff is responsible for taking the netting down. The cost would be staff time.

Describe all Benefits and/or Savings:

The benefits to preventing injuries isn't measurable. The netting would also help prevent the costs to citizens to install new windshields or dents in autos.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 60,000					\$ 60,000
Inspection Services						\$ 0
Equipment & Furnishings	\$ 75,800					\$ 75,800
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency	\$ 10,000					\$ 10,000
<b>TOTALS</b>	\$ 145,800	\$ 0	\$ 0	\$ 0	\$ 0	\$ 145,800
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Playing Field Improvements

**DATE SUBMITTED:**

## DEPARTMENT PROJECT INFORMATION

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

Department Contact: **Ann-Marie Moggio, Director**

Fiscal Year(s) Requested: **FY21  FY22  FY23  FY&4  FY25**

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 Florence Recreation Fields are used April through the 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

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

**Department: Public Safety Communications**

**Division: Communciations**

**Prepared By: Kelly Schuetze**

**Date Prepared: October 2, 2019**

Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
1	Communications Improvement		3,000,000	3,000,000			6,000,000
1	ProQA EMD Software	40,000					40,000
<b>Totals</b>		<b>40,000</b>	<b>3,000,000</b>	<b>3,000,000</b>	<b>0</b>	<b>0</b>	<b>6,040,000</b>

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Communications Improvement

**DATE SUBMITTED:** 10/2/19

## DEPARTMENT PROJECT INFORMATION

Department:	Public Safety Communications					
Department Contact:	Kelly Schuetze					
Fiscal Year(s) Requested:	FY21 <input type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY&4 <input type="checkbox"/>	FY25 <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 checked="" type="checkbox"/>	Facility <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

## 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 and Project Management Support 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering		\$ 100,000				\$ 100,000
Site Acquisition						\$ 0
Site Improvements		\$ 50,000				\$ 50,000
Construction		\$ 2,850,000				\$ 2,850,000
Inspection Services						\$ 0
Equipment & Furnishings			\$ 3,000,000			\$ 3,000,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 3,000,000	\$ 3,000,000	\$ 0	\$ 0	\$ 6,000,000
<b>Financing Sources</b>						
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)		\$ 3,000,000	\$ 3,000,000			\$ 6,000,000
City Appropriation						\$ 0
<b>TOTALS</b>	\$ 0	\$ 3,000,000	\$ 3,000,000	\$ 0	\$ 0	\$ 6,000,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** ProQA EMD Software

**DATE SUBMITTED:** 10/2/19

## DEPARTMENT PROJECT INFORMATION

Department:	Public Safety Communications									
Department Contact:	Kelly Schuetze									
Fiscal Year(s) Requested:	FY21	<input checked="" type="checkbox"/>	FY22	<input type="checkbox"/>	FY23	<input type="checkbox"/>	FY&4	<input type="checkbox"/>	FY25	<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 type="checkbox"/>	Other	<input checked="" type="checkbox"/>

## PROJECT DESCRIPTION

The Communications Center processes medical calls by asking a series of scripted questions based on the reported symptoms of the patients, scripted instructions are then provided and response is determined based on the answers provided by the caller. The system has been in place since 1999 using a flip chart from the vendor Priority Dispatch. As technology improves and changes, so do the tools used for processing calls. The vendor is no longer issuing updated cards for the flip charts and is not supports them as a primary means of processing calls. The vendor has a computerized program called ProQA which allows the call-taker/dispatcher to process medical calls in the computer with the most updated protocol and copy call specific information to the computer aided dispatch system. Dispatchers are licensed through the vendor to use the protect. This licensing allows for liability protection for the employee and Dispatch Center.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Dispatch will need to continue to use outdated protocol and instructions for processing medical calls.

Cost to Maintain:

There is an annual software, service, support and maintenance fee of \$5,100

Describe all Benefits and/or Savings:

Failure to use the most updated programs could prevent life saving instructions and will open up the employee and center to liability. Updated instructions will make potentially stressful situations smoother because they are relevant and timely.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other	\$ 40,000					\$ 40,000
Contingency						\$ 0
<b>TOTALS</b>	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 40,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 40,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 40,000

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

**Department: Building Department**

**Division: Building, Electrical, Plumbing**

**Prepared By: Louis Hasbrouck**

**Date Prepared: 10/01/2019**

Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
							0
1	Replace 2013 Inspection Vehicle Small AWD Hybrid SUV			28,000			28,000
							0
2	Replace 2016 Inspection Vehicle Small AWD Hybrid SUV					30,000	30,000
							0
<b>Totals</b>		<b>0</b>	<b>0</b>	<b>28,000</b>	<b>0</b>	<b>30,000</b>	<b>58,000</b>

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Building Department Inspection Vehicles

**DATE SUBMITTED:** 10/01/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Building Department**

Department Contact: **Louis Hasbrouck**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

Replace 2013 Subaru Forester inspection vehicle FY 2023

Replace 2016 Subaru Crosstrek inspection vehicle FY 2025

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Replacing existing vehicles that are used every day; department travel costs would rise

Cost to Maintain:

~ \$400 per vehicle per year

Describe all Benefits and/or Savings:

Estimated cost per mile is approximately half of mileage payments for inspectors' personal vehicle use.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase			\$ 28,000		\$ 30,000	\$ 58,000
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 28,000	\$ 0	\$ 30,000	\$ 58,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation			\$ 28,000		\$ 30,000	\$ 58,000
<b>TOTALS</b>	\$ 0	\$ 0	\$ 28,000	\$ 0	\$ 30,000	\$ 58,000

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

**Department: Treasurer/Collector**

**Division: Parking Enforcement**

**Prepared By: Kristine Bissell**

**Date Prepared: October 08, 2019**

Dept. Priority	Project Title	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL
High	Vehicle Replacement	30,000					30,000
High	Vehicle Replacement		30,000				30,000
							0
							0
<b>Totals</b>		<b>30,000</b>	<b>30,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Vehicle Replacement Plan

**DATE SUBMITTED:** 10/11/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Treasurer/Collector/Parking**

Department Contact: **Kristine Bissell**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 30,000	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 60,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 30,000	\$ 30,000	\$ 0	\$ 0	\$ 0	\$ 60,000

**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: 2-Oct-19**

Dept. Priority	Project Title	FY2021	FY2022	FY 2023	FY 2024	FY 2025	TOTAL
1	Replace 1999 Engine	640,000					640,000
2	Replace Mechanic /Plow Vehicle	62,250					62,250
3	Replace 1998 Quad with UTV		25,000				25,000
4	Staff Vehicle			42,500			42,500
5	SCBA Replacment			95,000			95,000
6	Command Vehicle Replacement				58,000		58,000
7	Thermal Imager Replacement				35,500		35,500
8	Turnout Gear					130,000	130,000
9							0
10							0
11							0
12							0
	<b>Totals</b>	<b>702,250</b>	<b>25,000</b>	<b>137,500</b>	<b>93,500</b>	<b>130,000</b>	<b>1,088,250</b>

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Replace 2006 Engine

**DATE SUBMITTED:** Sept 15, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY24**  **FY25**

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

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

## PROJECT DESCRIPTION

This project would replace a 2006 pumper that will be 15 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 107,000 miles on it. Cost of repairs to this engine to keep it operable exceed it's value. Due to the cost of repairs needed 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. Estimated 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 640,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 640,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 640,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 640,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Replace Mechanic's Plow Vehicle

**DATE SUBMITTED:** Sept 15, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY24**  **FY25**

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 facilitate 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 15 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 \$1,200 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 to keep our fleet of apparatus in service. Along with providing a reliable plow vehicle to maintain fire stations and providing plowing options during heavy snow for emergency response.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 62,250	\$ 0	\$ 0	\$ 0	\$ 0	\$ 62,250
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 62,250	\$ 0	\$ 0	\$ 0	\$ 0	\$ 62,250

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** 1998 ATV Replacement

**DATE SUBMITTED:** Sept 15, 2019

## DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue					
Department Contact:	Duane Nichols					
Fiscal Year(s) Requested:	FY21 <input type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <input type="checkbox"/>	FY25 <input type="checkbox"/>	
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>		
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input checked="" type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>	

## PROJECT DESCRIPTION

This project would replace our 1998 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 24 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 unit 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 25,000	\$ 0	\$ 0	\$ 0	\$ 25,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 25,000	\$ 0	\$ 0	\$ 0	\$ 25,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Staff Vehicle FY23

**DATE SUBMITTED:** Sept 15, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY24**  **FY25**

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, and the existing vehicle would move into a rotation for inspections and training. With this methodology we maximizing the life span of administrative vehicles.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase			\$ 42,500			\$ 42,500
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 42,500	\$ 0	\$ 0	\$ 42,500
<b>Financing Sources</b>						
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			\$ 42,500			\$ 42,500
<b>TOTALS</b>	\$ 0	\$ 0	\$ 42,500	\$ 0	\$ 0	\$ 42,500

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** SCBA Replacement

**DATE SUBMITTED:** Sept 15, 2019

## DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue				
Department Contact:	Duane Nichols				
Fiscal Year(s) Requested:	FY21 <input type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY24 <input type="checkbox"/>	FY25 <input type="checkbox"/>
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>	
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input checked="" type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>

## PROJECT DESCRIPTION

This 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 at one time.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 95,000	\$ 0	\$ 0	\$ 95,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 95,000	\$ 0	\$ 0	\$ 95,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Command Vehicle Replacement

**DATE SUBMITTED:** Sept 15, 2019

## DEPARTMENT PROJECT INFORMATION

Department:	Fire Rescue				
Department Contact:	Duane Nichols				
Fiscal Year(s) Requested:	FY21 <input type="checkbox"/>	FY22 <input type="checkbox"/>	FY23 <input type="checkbox"/>	FY24 <input checked="" type="checkbox"/>	FY25 <input type="checkbox"/>
Department Priority:	Critical <input type="checkbox"/>	High <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	Low <input type="checkbox"/>	
Type of Project:	Vehicle <input checked="" type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input type="checkbox"/>

## PROJECT DESCRIPTION

The Department 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 58,000	\$ 0	\$ 58,000
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 58,000	\$ 0	\$ 58,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Thermal Imager Replacement

**DATE SUBMITTED:** Sept 15, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY24**  **FY25**

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 35,500	\$ 0	\$ 35,500
<b>Financing Sources</b>						
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 35,500	\$ 0	\$ 35,500

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Turnout Gear Replacement

**DATE SUBMITTED:** Sept. 15, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Fire Rescue**

Department Contact: **Duane Nichols**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY24**  **FY25**

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

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

## PROJECT DESCRIPTION

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

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings					\$ 130,000	\$ 130,000
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 130,000	\$ 130,000
<b>Financing Sources</b>						
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					\$ 130,000	\$ 130,000
<b>TOTALS</b>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 130,000	\$ 130,000



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Street Resurfacing

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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. Both Chapter 90 funds from the Commonwealth and Capital Improvement funds from the City are used to support this work.

Projects for FY20 included Burts Pit Road, Bridge Road, Glendale Road, Brisson Drive, Chesterfield Road, Spring Street, Cross Street, a segment of Main Street (Leeds), and a segment of Denise Court. Total reconstructed length was 34,470 linear feet (6.5 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.



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Road Improvements

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

This is 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.



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Pavement Markings

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

On the City's 150 miles of roadway, there are approximately 425,000 linear feet of double yellow center lines, 219,000 linear feet of white solid and broken lines, 110 arrows, 21 'ONLY' legend markings, 46 speed hump/table markings, 3 railroad markings, 373 crosswalks, and 977 parking spaces. These pavement markings provide instruction and direction to motorists, cyclists and pedestrians, and are an integral part of our roadway infrastructure.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Pavement markings are important for motorist, bicyclist and pedestrian safety.

Cost to Maintain:

Pavement markings must be maintained annually.

Describe all Benefits and/or Savings:

Pavement markings are important for motorist, bicyclist and pedestrian safety.



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Sidewalks

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department:	Public Works				
Department Contact:	Donna LaScaleia				
Fiscal Year(s) Requested:	FY21 <input checked="" type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY&4 <input checked="" type="checkbox"/>	FY25 <input checked="" type="checkbox"/>
Department Priority:	Critical <input checked="" type="checkbox"/>	High <input type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>	
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input checked="" type="checkbox"/>

## PROJECT DESCRIPTION

The City maintains more than 85 miles of sidewalks. Sidewalk repairs and concrete curb ramp upgrades are often completed as part of various roadway paving projects. In FY2020, curb ramps were upgraded on Bridge Road, Burts Pit Road, and Cross Street. Sidewalks were repaired in select areas on Spring Street and Main Street in Leeds. A large segment of sidewalk in front of the Academy of Music was also replaced.

## 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:

Upgraded and/or additional sidewalks provide accessibility and safe pedestrian passage for City residents and visitors.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 175,000	\$ 175,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 950,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 175,000	\$ 175,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 950,000
<b>Financing Sources</b>						
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	\$ 175,000	\$ 175,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 950,000
<b>TOTALS</b>	\$ 175,000	\$ 175,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 950,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Traffic Signals

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department:	Public Works				
Department Contact:	Donna LaScaleia				
Fiscal Year(s) Requested:	FY21 <input checked="" type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY&4 <input checked="" type="checkbox"/>	FY25 <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 type="checkbox"/>	Other <input type="checkbox"/>

## 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, contract labor as needed and emergency response.

## 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 FY21-FY25

**PROJECT TITLE:** Traffic Calming

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department:	Public Works				
Department Contact:	Donna LaScaleia				
Fiscal Year(s) Requested:	FY21 <input checked="" type="checkbox"/>	FY22 <input checked="" type="checkbox"/>	FY23 <input checked="" type="checkbox"/>	FY&4 <input checked="" type="checkbox"/>	FY25 <input checked="" type="checkbox"/>
Department Priority:	Critical <input type="checkbox"/>	High <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>	
Type of Project:	Vehicle <input type="checkbox"/>	Equipment <input type="checkbox"/>	Technology <input type="checkbox"/>	Facility <input type="checkbox"/>	Other <input checked="" type="checkbox"/>

## PROJECT DESCRIPTION

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. Traffic calming measures are usually integrated into roadway reconstruction efforts.

FY2020 expenditures included speed tables on Riverside Drive, scored concrete islands on Bridge Road, a scored concrete island and reduced curb radii on Chesterfield Road at Spring Street, pavement width narrowing on Glendale Road, reduced curb radii on Brisson Drive at Glendale Road, striped 11-foot travel lanes on Bridge Road and in-street pedestrian signs placed at various locations across the City.

## 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:

N/A

Describe all Benefits and/or Savings:

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



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Forbes Library Drainage

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department:	Public Works									
Department Contact:	Donna LaScaleia									
Fiscal Year(s) Requested:	FY21	<input checked="" type="checkbox"/>	FY22	<input type="checkbox"/>	FY23	<input type="checkbox"/>	FY&4	<input type="checkbox"/>	FY25	<input type="checkbox"/>
Department Priority:	Critical	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>		
Type of Project:	Vehicle	<input type="checkbox"/>	Equipment	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Facility	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>

## PROJECT DESCRIPTION

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 adjacent to 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. Design work has begun and is expected to be ongoing for the next twelve months. The proposed drain replacement would be along the same alignment.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The drain from Forbes Library must be replaced to stabilize the slope and ensure the integrity of the Forbes Library 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements	\$ 220,000					\$ 220,000
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 220,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 220,000
<b>Financing Sources</b>						
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	\$ 220,000					\$ 220,000
<b>TOTALS</b>	\$ 220,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 220,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Forestry Improvements

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

The Department's Forestry, Parks and Cemeteries Division uses as a guide for their forestry work a tree inventory and tree management plan created in 2016. This inventory and management plan includes a total of more than 12,000 existing trees, stumps and proposed planting locations. To offset canopy loss from natural tree mortality, invasive pests, construction damage and impacts from weather related events, the City has adopted and maintained an ambitious tree planting schedule, and since 2016, more than 1,000 new trees have been planted. This budget item will fund the purchase of more than 300 new trees each year, will pay to manage wood waste from downed trees, and will fund contractor labor for technically challenging tree removals and storm events that cause widespread tree damage.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Active management and restoration of our urban public shade tree canopy is integral to achieving carbon neutrality by 2050.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Active management and restoration of our urban public shade tree canopy is integral to achieving carbon neutrality by 2050.



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Cemetery Improvements

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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. 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 began in Spring of 2019.

Capital funding over the next five years will be used to implement recommendations in the preservation master plans including additional stone conservation.

## 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 FY21-FY25

**PROJECT TITLE:** Hotel Bridge

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

The construction of the single lane, iron truss Hotel Bridge was completed in January of 1881. The bridge was closed to vehicle traffic in 2004 after being deemed structurally deficient by MassDOT. An engineering assessment will be completed in FY2020 to determine the preferred construction strategy for reopening the the bridge to pedestrian and bicycle traffic.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Hotel Bridge is an important historical element of Leeds Village.

Cost to Maintain:

Covered in OM.

Describe all Benefits and/or Savings:

The Hotel Bridge is an important historical element of Leeds Village.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction		\$ 250,000				\$ 250,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 250,000
<b>Financing Sources</b>						
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		\$ 250,000				\$ 250,000
<b>TOTALS</b>	\$ 0	\$ 250,000	\$ 0	\$ 0	\$ 0	\$ 250,000

<b>FY2021 Vehicle/Equipment Purchase Plan</b>					
	<b>Division</b>	<b>Vehicle Number</b>	<b>Equipment to be Replaced</b>	<b>Equipment to be Purchased</b>	<b>Cost</b>
	Streets	300	Sidearm Mower	Sidearm Mower	\$ 150,000.00
	Streets	506	Bobcat Skid Steer	Volvo Skid Steer	\$ 66,000.00
	Streets	198	Sidewalk Tractor	Sidewalk Tractor	\$ 145,000.00
	Streets		Addition	Under Guardrail Mower	\$ 65,000.00
	FPC		Addition	Log Screw	\$ 31,000.00
	FPC		Addition	Log and Brush Loader	\$ 135,000.00
<b>Total General Fund</b>					<b>\$ 592,000.00</b>
	Water	205	John Deere 410G 4x4 Backhoe	John Deere 410L 4x4 Backhoe	\$ 134,500.00
	Water		International Dump Truck	Freightliner Dump Truck	\$ 210,000.00
<b>Total Water Enterprise</b>					<b>\$ 344,500.00</b>
	Sewer	105	John Deere 410G 4x4 Backhoe	John Deere 410L 4x4 Backhoe	\$ 134,500.00
	Sewer		International Dump Truck	Freightliner Dump Truck	\$ 210,000.00
<b>Total Sewer Enterprise</b>					<b>\$ 344,500.00</b>



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** WWTP and Pump Station Improvements

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

The City continues to implement recommended improvements to its Wastewater Treatment Plant (WWTP) and wastewater collection system contained in the 2016 Comprehensive Wastewater Management Plan. The City retained an Owner's Project Manager in FY2018 and a Designer in FY2019. Engineering design work for upgrades to WWTP electrical, treatment process equipment and building systems is nearly complete. Construction of this \$15,000,000 project is anticipated to begin in late FY2020 and continue for several years.

The City also operates 7 sewer pump stations that are reaching the end of their expected design life and will need to be upgraded to ensure reliable long-term performance. Design work for initial upgrades to the Burts Pit Road Pump Station is nearly complete, and design for upgrades at other pump stations is anticipated to begin in FY2021.

## 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:

The operating budget supports ongoing maintenance and repair of the Wastewater Treatment Plant and pump stations.

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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
						\$ 0
Feasibility Study						\$ 0
Design - Engineering	\$ 400,000	\$ 750,000	\$ 750,000			\$ 1,900,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 7,500,000	\$ 10,500,000		\$ 5,000,000	\$ 5,000,000	\$ 28,000,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 7,900,000	\$ 11,250,000	\$ 750,000	\$ 5,000,000	\$ 5,000,000	\$ 29,900,000
<b>Financing Sources</b>						
						\$ 0
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds	\$ 7,900,000	\$ 11,250,000	\$ 750,000	\$ 5,000,000	\$ 5,000,000	\$ 29,900,000
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
<b>TOTALS</b>	\$ 7,900,000	\$ 11,250,000	\$ 750,000	\$ 5,000,000	\$ 5,000,000	\$ 29,900,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** WWTP Equipment Replacement

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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:

Funding this item will allow for replacement of equipment integral to the operation of the Wastewater Treatment Plant.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Funding this item will allow for replacement of equipment integral to the operation of the Wastewater Treatment Plant.



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Sewer Line Replacement

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 stormdrain utilities where appropriate.

Recent projects include upgrades on Ellington Road and Mount Tom Road. Sewer upgrades to Damon Road and from Masonic Street to Amber Lane are planned. Sewer lining to preserve existing infrastructure and reduce inflow and infiltration in Wards 2 and 5 is also 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 950,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,950,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 950,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,950,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds	\$ 950,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,950,000
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
<b>TOTALS</b>	\$ 950,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,950,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Sewer Collection System Equipment

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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, confined space entry safety equipment and other specialized equipment.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Funding this item will allow for replacement of equipment integral to the operation of the Sewer Collection System.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Funding this item will allow for replacement of equipment integral to the operation of the Sewer Collection System.





# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Stormdrain Line Replacement

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 improvements to Burts Pit Road, Glendale Road, Bridge Road, Upper Chesterfield Road and Spring Street as part of FY2020 roadway reconstruction efforts.

## 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.



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Flood Control System Upgrades

**DATE SUBMITTED:** 11/1/2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 and levee systems are nearly 80 years old and are critical to enabling downtown drainage during storm events.

Upcoming projects include FEMA certification of the levee system, levee toe drain improvements and electrical upgrades and fuel tank replacements at the Flood Control Pumping Station.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The U.S. Army Corps of Engineers inspects the flood control 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 consultant(s) and contractor(s).

Describe all Benefits and/or Savings:

The 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
						\$ 0
Feasibility Study						\$ 655,000
Design - Engineering	\$ 280,000	\$ 200,000	\$ 175,000			
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 700,000	\$ 580,000	\$ 580,000	\$ 375,000	\$ 700,000	\$ 2,935,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 980,000	\$ 780,000	\$ 755,000	\$ 375,000	\$ 700,000	\$ 3,590,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds						\$ 0
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds	\$ 980,000	\$ 780,000	\$ 755,000	\$ 375,000	\$ 700,000	\$ 3,590,000
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
<b>TOTALS</b>	\$ 980,000	\$ 780,000	\$ 755,000	\$ 375,000	\$ 700,000	\$ 3,590,000



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Waterline Replacement

**DATE SUBMITTED:** November 1, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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.

Upcoming work includes upgrades to portions of Damon Road and Hatfield & North King Streets as part of MassDOT roadway reconstruction. Additional waterline replacement is planned for Atwood Drive.

## 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.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction	\$ 900,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 3,200,000
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 900,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 3,200,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds	\$ 900,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 3,200,000
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
<b>TOTALS</b>	\$ 900,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 3,200,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Transmission Main Replacement

**DATE SUBMITTED:** November 1, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 distribution 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. A significant portion of 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 about 12,000 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:

The 20" transmission main is one of the most critical pieces of water infrastructure that the City owns and maintains.

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
						\$ 0
Feasibility Study						\$ 0
Design - Engineering	\$ 700,000		\$ 8,000,000			\$ 8,700,000
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other						\$ 0
Contingency						\$ 0
<b>TOTALS</b>	\$ 700,000	\$ 0	\$ 8,000,000	\$ 0	\$ 0	\$ 8,700,000
<b>Financing Sources</b>						
						\$ 0
Lease-Purchase						\$ 0
Water Enterprise Funds	\$ 700,000		\$ 8,000,000			\$ 8,700,000
Sewer Enterprise Funds						\$ 0
Solid Waste Enterprise Funds						\$ 0
Storm Water Enterprise Funds						\$ 0
State / Federal Grants						\$ 0
Sale of Surplus Property						\$ 0
CPA						\$ 0
Other (specify)						\$ 0
City Appropriation						\$ 0
<b>TOTALS</b>	\$ 700,000	\$ 0	\$ 8,000,000	\$ 0	\$ 0	\$ 8,700,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Reservoir Construction

**DATE SUBMITTED:** November 1, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 and embankment deficiencies that need to be corrected. Projected engineering and construction costs are roughly \$11,000,000. 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 began in FY19 and will be ongoing until late 2021. 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering				\$ 1,000,000		\$ 1,000,000
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
<b>TOTALS</b>	\$ 0	\$ 5,000,000	\$ 0	\$ 1,000,000	\$ 5,000,000	\$ 11,000,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds		\$ 5,000,000		\$ 1,000,000	\$ 5,000,000	\$ 11,000,000
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
<b>TOTALS</b>	\$ 0	\$ 5,000,000	\$ 0	\$ 1,000,000	\$ 5,000,000	\$ 11,000,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Meter & Radio Read Replacement

**DATE SUBMITTED:** November 1, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

This is annual funding for the replacement of water meters and associated radio read equipment.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Water meters and radio read equipment are essential for accurate utility billing.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Water meters and radio read equipment are essential for accurate utility billing.



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Hydrant Replacement

**DATE SUBMITTED:** November 1, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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

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

## PROJECT DESCRIPTION

This is annual funding for hydrant replacement.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Hydrants are crucial for fire protection for the City.

Cost to Maintain:

Hydrants are painted annually.

Describe all Benefits and/or Savings:

Hydrants are crucial for fire protection for the City.



# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Granular Activated Carbon

**DATE SUBMITTED:** November 1, 2019

## DEPARTMENT PROJECT INFORMATION

Department: **Public Works**

Department Contact: **Donna LaScaleia**

Fiscal Year(s) Requested: **FY21**  **FY22**  **FY23**  **FY&4**  **FY25**

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 early FY2020, 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**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>						
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>	<b>TOTAL</b>
Feasibility Study						\$ 0
Design - Engineering						\$ 0
Site Acquisition						\$ 0
Site Improvements						\$ 0
Construction						\$ 0
Inspection Services						\$ 0
Equipment & Furnishings						\$ 0
Vehicle Purchase						\$ 0
Other			\$ 150,000	\$ 150,000		\$ 300,000
Contingency						\$ 0
<b>TOTALS</b>	\$ 0	\$ 0	\$ 150,000	\$ 150,000	\$ 0	\$ 300,000
<b>Financing Sources</b>						
Lease-Purchase						\$ 0
Water Enterprise Funds			\$ 150,000	\$ 150,000		\$ 300,000
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
<b>TOTALS</b>	\$ 0	\$ 0	\$ 150,000	\$ 150,000	\$ 0	\$ 300,000

# City of Northampton Capital Plan FY21-FY25

**PROJECT TITLE:** Water Distribution & Treatment Equipment **DATE SUBMITTED:** November 1, 2019

## DEPARTMENT PROJECT INFORMATION

Department:	Public Works
Department Contact:	Donna LaScaleia
Fiscal Year(s) Requested:	FY21 <input checked="" type="checkbox"/> FY22 <input checked="" type="checkbox"/> FY23 <input checked="" type="checkbox"/> FY&4 <input checked="" type="checkbox"/> FY25 <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 type="checkbox"/> Other <input type="checkbox"/>

## PROJECT DESCRIPTION

This is annual funding for the replacement of equipment necessary for the operation of the water distribution and treatment systems.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

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 and treatment systems.

