Committee on Finance and the Northampton City Council

Councilor David A. Murphy, Chair
Councilor Jesse M. Adams
Councilor Maureen T. Carney
Councilor Marianne L. LaBarge

City Council Chambers, 212 Main Street
Wallace J. Puchalski Municipal Building
Northampton, MA

Meeting Date: March 22, 2016
5:00 PM

1. **Meeting Called To Order**

2. **Roll Call**

3. **Approve Minutes Of Previous Meetings**
   Minutes of March 3, 2016
   Minutes of March 9, 2016

   Documents: committeeonfinanceminutes_of_march_3_2016.pdf, committeeonfinanceminutes_of_march_9_2016.pdf

4. **Public Hearing Regarding The FY2017 - FY2021 Captial Improvement Program**
   In accordance with The Charter of Northampton, Massachusetts, Article 7 Finance and Fiscal Procedures, Section 7-5: Capital Improvement Program, (b) Public Hearing, the City Council will consider the Capital Improvement Program FY2017-FY2021 submitted by Mayor Narkewicz, and hear all persons who wish to be heard thereon.

   Documents: 2017-2021_cip_city_council_submission.pdf

5. **New Business**
   -Reserved for topics that the Chair did not reasonably anticipate would be discussed.

6. **Adjourn**

Prepared by:
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City Council Chambers, 212 Main Street
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MEETING MINUTES

3/3/2016 - Minutes

1. **Meeting Called To Order**
   At 7:30 p.m.Councilor Murphy called the meeting to order.

2. **Roll Call**

   Committee members present were; Councilor Murphy, Councilor Adams, Councilor Carney and Councilor LaBarge. Also present were: Councilors Sciarra, Bidwell, O'Donnell, and Councilor Klein. Councilor Dwight was not present.

3. **Approval Of Minutes From The Previous Meeting**

   A. **Minutes Of February 18, 2016**
   Councilor LaBarge moved to approve the minutes of Feb. 18, 2016; Councilor Carney seconded the motion. The motion was approved on a voice vote of 4 Yes, 0 No.

4. **Financial Orders**

   A. **16.032 Financial Order For Inter-Municipal Agreements With Williamsburg & West Springfield**

   Mayor Narkewicz indicated that the agreement with West Springfield is between Smith Vocational High School and the City of Westfield. The Athletic Director at Smith Voke has a bus that is well sized to fit both teams for the trip as indicated; Mayors of both cities have spoken and are in agreement.

   Councilor LaBarge moved to send the order forward to the full city council with a positive recommendation; Councilor Carney seconded the motion. The motion was approved on a voice vote of 4 Yes, 0 No.

   B. **16.033 An Order To Approprite $30,825 From Insurance Proceeds To Police Department OOM Account**

   Mayor Narkewicz indicated that the damage to the police cruiser happened during a heavy storm in October, 2015. The damage was over $20,00 and Massachusetts General Laws require an appropriation for this transaction. The officer was dispatched to the North Street

area during a period of flooding; the cruiser was damaged as a result of driving through flood waters. the vehicle stalled in a large amount of water under the bridge on North Street causing extensive damage.

Councilor LaBarge moved to send the order back to the full city council with a positive recommendation; Councilor Carney seconded the motion. The motion was approved on a voice vote of 4 yes, 0 No.

5. **New Business**
   None

6. **Adjourn**
   At 7:37 p.m. Councilor LaBarge moved to adourn the meeting; Councilor Adams seconded the motion. The motion was approved on a voice vote of 4 Yes, 0 No.

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City Council Chambers, 212 Main Street
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Meeting Date:: March 9, 2016
6:00 pm

1. **Meeting Called To Order:** At 6:00 pm Councilor Murphy called the meeting to order. The meeting was broadcasted live by NCTV. Handouts of the presentation were available; since the last public hearing about the proposed water sewer rates that was held by the Committee on Legislative Matters on February 29, 2016, Mayor Narkewicz added new information based on the questions that were raised at that time.

2. **Roll Call:** Present at the meeting were: Councilors Murphy, Adams, LaBarge and Carney. Councilor Carney left the meeting at 7:00 pm. Other City Councilors present were: Councilor Gina-Louise Sciarra. She arrived at 6:50 pm.

3. **Election Of A Committee Vice-Chair:** Councilor LaBarge moved to open nominations for a Committee Vice-Chair and to nominate Councilor Adams; Councilor Carney seconded the motion. The motion was approved on a voice vote of 4 Yes, 0 No.

   Councilor Labarge moved to close nominations and to elect Councilor Adams as Vice-Chair. Councilor Carney seconded the motion. The motion was approved on a voice vote of 4 Yes, 0 No.

4. **16.030 An Order To Establish Water And Sewer Rates For FY2017**

   The Committee held a Public Hearing regarding the proposed water and sewer rates.

   At 6:03 pm Councilor LaBarge moved to open the public hearing; Councilor Carney seconded the motion. The motion was approved on a voice vote of 4 Yes, 0 No.

   Mayor Narkewicz began the public hearing with a presentation about his proposal for water sewer rates.

Following the reorganization of city government in November of 2014, the rate setting authority was transferred from the former Board of Public Works to the Mayor with approval by City Council (per administrative order). In March of 2015 a public hearing was held to discuss proposed FY2016 rates; there was a lot of feedback about the rate structure and whether there was any opportunity to improve on how rates were established. In April of 2015 the Mayor recommended that rates be frozen while he researched alternative rate structures and while the DPW finalized the Comprehensive Wastewater Management Plan and a Water Supply Assessment Management Plan.

In August, 2015 the city contracted with Raftelis Financial Consultants, Inc and Woodcock and Associates, Inc. to study water and sewer rates. The purpose was to assess the appropriateness of the city's current rate structure in comparison to Northampton's rate structure objectives and to develop a forecast of water and sewer rates to fund all current and future operating and capital needs while also accomplishing the city's rate structure objectives.

The objectives of the rate structure were: to promote conservation, provide assistance to economically disadvantaged customers, improve equity among customer types, and to enhance revenue stability

City Engineer and Acting DPW Director Jim Laurila talked about the key water capital needs for the next five years:

FY2017 – FY2021 Water Line Replacement - $4,000,000:

- Conz/North Farms/North Maple/Day: Design and Construction
- Hinckley Street Construction
- Damon Road Waterline Design and Construction
- Other Projects that have yet to be determined

FY2021 – Reservoir Dam Repairs: $3,500,000

- F.P. Ryan Reservoir
- West Whately Reservoir Dam

Acting Director Laurila went through the planned key sewer capital needs for the next five years:

FY2017 – FY2021 Sewer Line Replacements and System Studies - $2,565,000

- Day Avenue/Hinckley Street
- Other Projects that have yet to be determined

FY2017 – FY2021 Wastewater Treatment Plant Improvements - $29,981,000

- $1,319,000 - Design: Aeration tanks/Disinfection system/flow measurement/electrical

- $3,984,000 - Construction: Aeration tanks/Disinfection system/flow measurement /electrical
- $4,606,000 - Design: SCADA controls/dewatering system/sludge pumps/clarifiers/odor control/intermediate pumps
- $15,720,000 - Construction: SCADA controls/dewatering system/sludge pumps/clarifiers/odor control/intermediate pumps Design: Atwood/Island/Burts Pit/Rick pump stations/Mill River wall rehab
- $4,352,000 - Construction :Atwood/Island/Burts Pit/Rick pump stations/Mill River wall rehab

The capital improvement plans were depicted on a graph showing the capital needs by year. The graph shows significant changes from year to year. The city worked with the rate consultants to determine the best way to finance the capital projects.

The overall financial plans includes different elements and takes into account all aspects of financial needs, including operating expenses, proposed debt service, existing debt service and cash reserves needed to fund the water system upgrades.

Mayor Narkewicz described the current rate structures. Regarding water charges, all customers are charged the same volumetric rate regardless of type, size, or the amount of water used. A very small fixed charge is assessed per bill, which recovers very little of the water system's fixed costs. There are no charges for private fire protection systems that are installed throughout the city; the FY2016 and FY2015 water rate was $5.58 per ccf.

The sewer rate structure was described as all customers are charged for sewer services based on 100% of metered water consumption, except for a small number of large industrial customers. The FY2015 and FY2016 sewer rate was $6.08 per ccf of metered water consumption.

The consultants made the following key recommendations: provide economic assistance to customers who qualify based on current tax exemption criteria; create a two-tier water rate structure for small meters; implement a larger fixed charge; create new private fire protection charges; and assess sewer rates at 80% of metered water consumption.

Mayor Narkewicz summarized the proposed FY2017 water and sewer rates:

Proposed Water Rates:

Customers with 1" meter or smaller: Tier 1 consumption: 0 – 16 CCF $4.73 per CCF; Tier 2 consumption: >16 CCF $6.21 per CCF

Customers with meter larger than 1": All consumption $6.09 per CCF

Proposed Sewer Rate:

Non-metered $7.52 per CCF based on 80% of metered water consumption; Metered $7.52 per CCF

Mayor Narkewicz talked about the 16 ccf conservation rate. The number was derived from the DEP National Standards of water consumption. The DEP suggests that individual consumption goal is 65 gallons per person per day. Since the average household in Northampton is 2.07 persons, the 65 gallons per day was multiplied by 2. This totals 134.6 gallons per day for the average household. This total was divided by 7.48 (this amount represents 1 cubic foot of water); 134.6 divided by 7.48 equals 18 cubic feet of water. To determine the water rate for a three month period, 18 cubic feet was multiplied by 90. 18 cubic feet times 90 days equals 1,620 cubic feet per quarter. 1,620 cubic feet per quarter divided by 100 equals 16 ccf per quarter.

The DPW will be the authorized city agency (with final approval by the Mayor) to establish fixed charges based on the customer's meter size. The fees will be as follows:

Meter Size	Quarterly Fixed Charge
5/8"	$12.64
3/4"	$18.96
1"	$31.59
1.5"	$63.17
2"	$101.07
3"	$189.51
4"	$315.85
6"	$631.69
8"	$1,010.69

Ninety-five percent of customers (8,135 customers) have meter sizes 1" or smaller. Five percent (389 customers) of customers have meters that are larger than 1". The breakdown down is not based on whether a customer is commercial/residential/industrial. The number of customers who have a particular meter size, and the percentage of the customer base they represent are as follows:

Meter Size	Customers	%
5/8"	7151	83.89%
3/4"	375	4.40%
1"	609	7.14%
1 1/4"	2	0.02%
1 1/2"	187	2.19%
2"	139	1.63%
3"	43	0.50%
4"	15	0.18%
6"	2	0.02%
8"	1	0.01%
Total	8524	100.00%

The Mayor talked about an affordability program. For customers who currently qualify for a low-income exemption on real estate or CPA, they will also automatically be exempted from

the fixed charge. This will reduce the customer's bill by the amount that the customer cannot reduce through conservation methods.

The Mayor reviewed the quarterly fire protection charges that will be set by the DPW. This is a totally separate water line that is unmetered. Currently there are no charges for this private service, so the cost burden is borne by all customers. The proposed charges will only be borne by customers who have the service. The charges will be as follows:

Fire Line Diameter	Quarterly Charge
<2"	No Charge
2"	$10.00
3"	$25.00
4"	$60.00
6"	$170.00
8"	$360.00
10"	$645.00

The Mayor reviewed the impact the proposed rates will have on customers. The summary also included the impact that the new rates will have on selected local businesses.

Customers can determine what their new bill might look like using the water/sewer calculator on the city's website.

In closing, the Mayor quoted from a study done called ***Massachusetts Water Infrastructure Toward Financial Stability 2012 Report.*** The study looked at water infrastructure across Massachusetts; what the condition of it is, how much people are planning, and how much people are paying for this resource.

"For a service that has a very high societal value, where failures will cause great inconveniences, loss of business, and jeopardize the public health, we often fail to pay enough for the service.

Ironically, many of us see the value in high monthly fees for internet or cable service. As a point of comparison, water rates on an annualized basis compare to the following rates paid for other commonly used utilities:

Current Average Rates Expressed As Average Monthly Payment And As Percentage Of Median Household Income

	Avg Monthly Pmt.	% MHI
Water rate	$ 28	0.52%
Sewer rate	$ 41	0.75%
Cellular Phone	$50-60*	0.92%-1.10%
Cable TV/ Internet	$70**	1.28%
Electricity	$45-65†	0.83%-1.19%

Sources: *Kiplinger's May 2009; **Centris Research April 2009; †Mass. EOEEA website

In a 2010, the ITT Corporation conducted a survey of American voters concerning the value of water. Sixty nine percent of those polled agreed with the statement: 'I generally take my access to clean water for granted.' A full 95% of American voters polled in the same survey value water over any other services they receive, including heat and electricity."

Committee questions were taken first:

Councilors LaBarge and Adams asked about the consultant fees. Mayor Narkewicz reports that the total contract cost was a maximum of $29,000 combined for both firms. To date, the consultants have been paid $21,000 combined. Bills are submitted at different phases throughout the contract period. The monies come out of the water / sewer enterprise funds, specifically the Engineering and Design services line item within the DPW budget. The project started in August of 2015. The DPW provided data regarding the capital project plans, operating expenses and other budgetary information.

Councilor LaBarge asked about the procedure to qualify for a low income exemption. The Mayor stated that income certification is done on an annual basis. The city uses a form approved by the state. The assessor meets with the applicant privately to determine eligibility.

Councilor Adams asked how the new rate structure would change the distribution borne by the different customer types. Mayor Narkewicz explained that it would be impossible to determine this information because the billing system is not coded based on residential / tax exempt / commercial class, but rather by meter size. Any class of customer can have any one of a number of meter sizes. The classification for water rates is not the same as how the classification is set up for tax rates.

Councilor Adams noted that the Northampton water rates are high compared to rates in other communities. He asked whether there was any comparison done regarding the increases and future rates given that they will be going up 5% per year. The Mayor indicates that while the plan is to generate 2% additional revenue per year for water and 3% additional revenue per year for sewer, this does not mean that everyone's rates will increase by 5%. There are many variables that will determine what the increase will be. Also, given that there are different systems in different communities, it is difficult to compare rates against other communities. While the city of Springfield has a similar setup to Northampton, the number of gallons that they supply is much greater. Their infrastructure is supported by a larger customer base.

Councilor Adams noted that different communities have different challenges, but he feels that it is quite easy to compare bills. If you are a business coming into the city, you can compare bills from different communities and see how one community might be more cost friendly over another community. This is why he would like to see comparisons between neighboring communities, particularly, which other communities have a similar rate structure to the one that is being proposed. There are other things as well, like CPA.

Chip Parsons of 137 Mill Valley Road in Hadley has farm land in Northampton. He is also a member of the Northampton Agricultural Commission. He wondered whether there was any thought given to a different rate for agriculture. Mayor Narkewicz noted that water use for agriculture was not something that was identified as a specific concern. Acting Director Laurila noted that the treatment costs for customers in this category are the same as for other categories. If consideration is given in the future, customers in this category include Smith Agricultural School, the Northampton Community Gardens, and local farmers, however, if this is done, the burden of cost shifts to other customer types.

Mr. William Golaski of 68 Golden Drive in Florence has been a resident of Florence for 27 years. He holds a plumbing license in the state of Connecticut. In 2014 he notes that the city of Northampton won an award for water consumption well below the 65 gallon per day average rate. He wonders whether the city needs to continue conservation measures. He notes that conservation ultimately leads to lack of revenue, which will lead to rate increases. He noted that the city council said that affordability is paramount to our city; he doesn't believe the current or proposed water rates promote affordability in Northampton. Current and proposed rates also do not attract young families into our community, nor do they afford senior citizens the opportunity to remain in the city. Rates sizes based on meter size does not make sense to him; they are discriminatory toward larger families. Rates should be set on usage, not based on what size your meter is. In the past 10 years, water rates have increased 71.44%; sewer rates have increased 52% over the past 10 years. He questions whether the land acquisition program, as outlined in the presentation makes sense. Does the city need to add land to its watershed? $1mill proposed to spend on land would go a long way toward the $8 mill proposed projects. He believes water rates should be frozen or decreased. He questions whether the average household size is 2.07 people in Northampton. He also noted that some of the monthly expenses incurred by families are optional, such as cable or cell phone charges. Water is not an optional expense. Finally, regarding the chart that showed proposed water rate changes for businesses, he questioned whether the water consumption was for a particular time of the year.

Mayor Narkewicz noted that the current household size in Northampton is 2.07 people, which follows closely to the average household size in the state of Massachusetts. Regarding the water consumption of businesses, the Mayor indicated that an average of 4 quarters was used in each calculation for each business representing a full year of water consumption. Regarding the land acquisition program, Acting Director Laurila indicated that the D.E.P. views that the best protection of water quality is done by protecting and managing the land around the water source. The city is obligated by D.E.P. to have a water source protection plan which outlines the city's strategy for protecting the water quality. One important element of this plan is the land acquisition plan. Since 2009 the city has acquired about 250 acres of land in the watershed area. This is viewed favorably by the state. There is commonly grant money

available for acquisitions of such land as specified under the plan; over the past five years, the city has received over $400,000 in state grants to purchase land identified as critical in our protection plan. The city operates in a highly regulated environment for both water and sewer. many of the capital projects, both past and future, are mandated by the D.E.P. on both the federal and state level.

Mr. Mike Kirby of 134 North Street in Northampton had a question about the quarterly fire protection charge. Mayor Narkewicz indicated that the fire protection charges will only apply to those customers who have the service. These customers have a separate water line in addition to their water supply.

Mr. Fred Zimnoch of 23 Pomeroy Terrace in Northampton had two concerns. First, the projection of the rates beyond fiscal 2017 and the potential of raising rates every year. Mayor Narkewicz said that the rates will need to voted upon annually. He can possibly project the rates based on some underlying assumptions, but several factors will affect the final rate going forward. Mr. Zimnoch also asked about the amount of projected revenue the Mayor expects the city to receive for FY2017; the Mayor indicated that this would be tricky because the revenues are tied to the rates. The proposed rates are projected to raise an additional 2% of revenue on the water enterprise fund and 3% additional revenue on the sewer enterprise fund. Mr. Zimnoch asked what in the plan would make him want to conserve water. The Mayor announced that in addition to the rain barrel program, the city will be making available conservation kits that might include aerators for showers, devices that will allow toilets to act as low-flow toilets. Mr. Zimnoch asked that once all projects have been completed, whether there was the potential for water rates to go down. The Mayor indicted that there was that potential.

Wes Hardy of 19 Mark Circle asked what the definition was of “improve equity among customer types”. He also asked what the penalty was for not meeting the discharge permit. For fire protection, he asked the Mayor to consider a volumetric charge in addition to the line charge. He indicated that the fire protection charge is something that is required. If this is the case could the city implement a sidewalk charge, or a bike lane charge. Regarding the tax exemption qualification, he wondered if it was a tax and why someone would apply for the exemption at the Assessor’s Office if it weren’t a tax. Regarding the fixed charges, the City Council will have no oversight. What is preventing the Mayor from implementing an outrageous fixed charge? Mr. Hardey also feels that the idea of generating more revenue while promoting conservation does not make sense. Mayor Narkewicz indicated that Northampton has a major focus on being a sustainable community. For that reason, it was deemed important for conservation to be part of the overall plan. The system was built to be clean and affordable and to help people curb expenses. Equity among customer types breaks down into a large class of smaller customers and a small class of larger customers. These classes are based on meter size. Proposed rates are based upon use of the system. Regarding using the Assessor’s Office to determine eligibility of need discount, there is already a state-approved discount program run by this office. The criteria for determining eligibility will be the same as for the CPA reduction, the senior/veteran work-off program, and the stormwater fee reduction. The Mayor reports that the reason why his household consumption exceeds the 16 ccf is because he has two teenage daughters at home. When his household size is reduced, he expects his household consumption to be less. The Mayor recognizes that he must answer to voters in the city. This prevents him from imposing unrealistic or unreasonable

fees. Regarding a mandatory requirement for fire suppression system, he acknowledges that there are businesses or residential units that are required to have a separate system installed. This does not mean that everyone in the city should be responsible for paying for that system as they are at this point. The Mayor points out that these customers are not required to use the city's water system at all. There also non-water based systems that would satisfy the fire protection requirement. Also, some businesses have chosen independent water sources to comply with the requirement. Mayor Narkewicz indicates that fee setting authority is granted under Mass General Law. Fees, whether set by City Council, the Mayor, or other, must be reasonable and has to bear a relationship to the service that is being provided. Otherwise it is considered a tax and would be illegal.

Mr. Kirby asked a question about the large users. Mayor Narkewicz indicated that the five large users are: Coca-Cola, Packaging Corporation of America, Cooley Dickinson Hospital, Florence Casket Company, and L3KEO. These companies have a special sewer meter. Mr. Kirby asked about other communities that were using the same consultants that the city used. Mayor Narkewicz indicated that the information can be found on the contractor's website and a link is available on the city's website. Mr. Kirby asked whether the land where the former reservoir was in the 1800's might be put up for sale to pay for some of the city's planned projects. The Mayor indicated that he would look into the possibility. Acting Director Laurial indicated that the city does own a lot of land and the vast majority of it is within the existing watersheds. There is some land the city owns that isn't in the currently active watersheds. A determination would have to be made about whether it was in the city's best interest in the long run to divest of this land.

Director Laurial points out that having a rate structure tied to the conservation rate is sensible. The way that the state enforces some of the stipulations, like the 65 gallon per day conservation use, they tie it to actions for grants and loans for water and wastewater systems. If the city were to seek a $30 million loan for a wastewater treatment project , and then the city went to the state to ask for a low interest loan or a grant, one of the things that the state would ask would be how is the community conserving its water. One way to answer this question is to show that our rates are tied to a conservation level.

Mr. Hardy asked about the penalties associated with non-compliance of the permits. Acting Director Laurila reports that the fines can be up to $10,000 per day and higher fines or imprisonment for not assisting a community in a way that they should in order to meet the permits.

Councilor Adams asked whether there were any plans to provide indirect general fund support from the water and sewer enterprise funds. Mayor Narkewicz indicates that the indirects have been going down over the last several years; the indirect schedule has been revised as a result. This year there will be an increase in health insurance rates. Since the indirects only cover the indirect costs, this will not generate new indirect costs as a result of the revenues going up. Most of the revenues are geared toward water infrastructure projects. Business manager Susan Wright reports that the whole indirect program. The enterprise funds now truly reflect the personnel that are working in that area.

Councilor Adams stated that fire protection fees are not based on usage at all. This means, in his opinion, that these should be viewed as a tax which would require City Council approval.

Also the taxpayers are already paying real estate taxes to fund fire services so this is like "double-dipping". To him it is a fixed assessment based on tangible property. It doesn't seem to be a user fee at all. He feels that it is a tax wrapped inside of a fee.

Councilor LaBarge asked about the Habitat project and the fire suppression system that was installed for that project. The Mayor believes that the system installed was suitable for residential buildings and did not require water lines larger than 2". This would mean a $40 annual fee split between the six residential units at that location.

Mayor Narkewicz noted that the handout contains a copy of one slide with errors. It is the page showing local businesses average quarterly bill comparison. Three amounts were incorrect on the handouts--the average quarterly consumption (ccf) for Coopers' Corner should be 68; Main Street Cleaners should be 60; Northampton Brewery should be 516. All rate calculations were correct.

At 8:15 pm Councilor Adams moved to close the public hearing; Councilor LaBarge seconded the motion. The motion was approved on a voice vote of 3 Yes, 0 No, 1 Absent (Councilor Carney). Councilor Adams moved to return the order back to the full city council with a neutral recommendation; Councilor LaBarge seconded the motion. The motion was approved on a voice vote of 3 Yes, 0 No, 1 Absent (Councilor Carney).

5. **New Business**

6. **Adjourn:** At 8:17 pm Councilor LaBarge moved to adjourn the meeting; Councilor Adams seconded the motion. The motion was approved on a voice vote of 3 Yes, 0 No, 1 Absent (Councilor Carney).

Prepared by:

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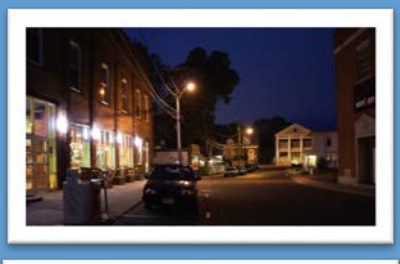
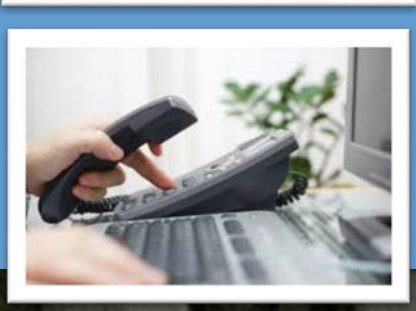
City of Northampton

Capital Improvement Program





FY2017 – FY2021

Mayor David J. Narkewicz

March **3,** 2016

City of Northampton, Massachusetts

CAPITAL IMPROVEMENT PROGRAM

FOR

FISCAL YEARS 2017-2021

Capital Improvement Program for FY2017-FY2021

The Capital Improvement Program for FY2017 – FY2021 was created by the Mayor pursuant to Article 7, Section 7-5 of the City of Northampton Charter and submitted to the City Council for public hearing and adoption no later than June 1, 2016. The Capital Improvement Program consists of the following:

1) a general summary of its contents;

2) a list of all capital improvements proposed to be undertaken during the next 5 years, with supporting information as to the need for each capital improvement;

3) cost estimates, methods of financing and recommended time schedules for each improvement; and

4) the estimated annual cost of operating and maintaining each facility and piece of major equipment involved.

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

Definition of Capital Improvements

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

Among the items properly classified as capital improvements are:

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

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

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

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

New construction or major improvements to City physical infrastructure, including streets, sidewalks, storm water 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 the Capital Improvement Program Committee.

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

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

Guidelines for Funding the Capital Improvement Program

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

- The City will strive to provide sufficient funding for adequate maintenance and orderly replacement of Capital Improvement Program and equipment.

- All assets will be maintained at a level that protects capital investment and minimizes future maintenance and replacement costs.

- All equipment replacement and maintenance needs for the next 5 years will be projected and the projection will be updated each year. A maintenance and replacement schedule based on this projection will be developed and followed.

- Proceeds from the issuance of long-term debt will not be used for current, ongoing operations.

- Long-term borrowing will be confined to capital improvements too large to be financed from current revenues.

- 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 investment 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 FY16 net direct debt as a percentage of assessed valuation is 1.7%.

- Total General Fund general obligation debt service and capital spending (including debt exclusion and capital exclusion overrides) will not exceed 15% of General Fund operating revenues.

  The credit rating agencies, such as Moody's Investor Services and 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 15% benchmark provides a policy to apply to new projects and the growth of revenues to finance such projects. In FY16 net direct debt as a percentage of General fund operating revenues is 6.2%.

- Levy-supported General Fund general obligation debt service and capital spending (exclusive of dedicated revenue sources such as debt exclusion and capital exclusion overrides, state reimbursements, parking system receipts, etc.) will not exceed 5% of net General Fund operating revenues.

  In FY 2002, levy-supported general obligation debt service and capital spending was 1.6% of net General Fund operating revenues. In FY16, levy-supported general obligation debt service is 2.9% of general fund revenues and with cash capital spending of another $250,000, the levy supported debt and capital spending was 3.1%. A 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 FY2026, the city will have retired 87% of current outstanding principal. This percentage does not reflect the issuance of additional bonds planned for in the future.

Funding Sources

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

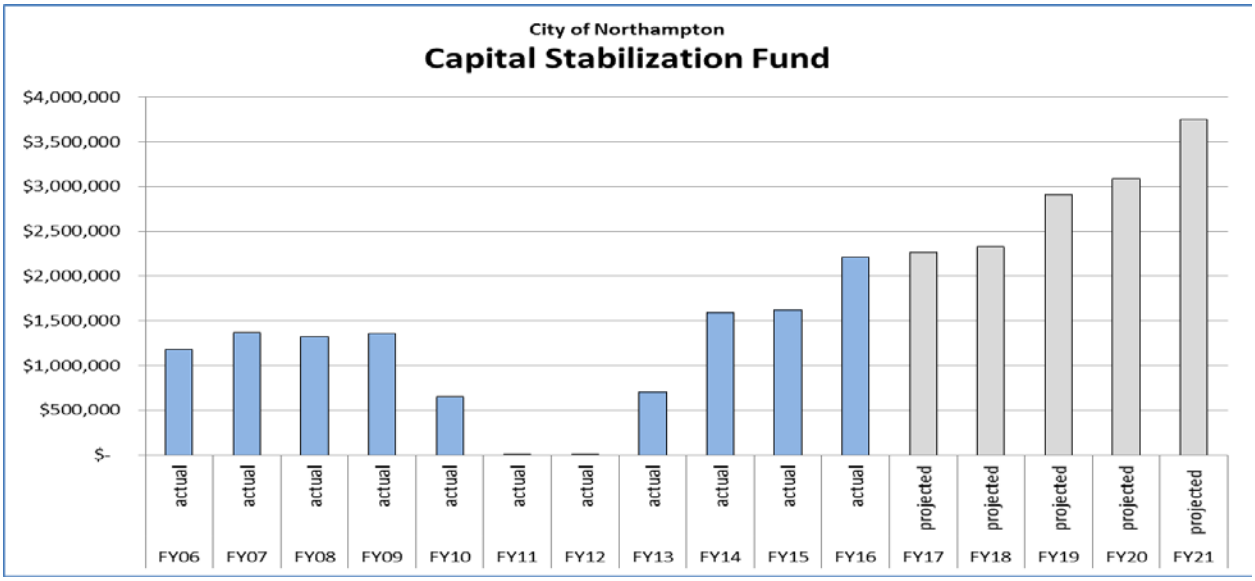
Cash Capital – Cash Capital refers to those expenditures that are paid for in their entirety in the next fiscal year directly from the general fund. Each year the Mayor's budget will include a budgeted amount to fund capital projects as part of the budget. Generally cash will be used for smaller projects that don't merit bonding. In FY16 the amount budgeted to fund capital projects was $215,000. In FY17, the target amount for cash capital funding is $280,000. The five year plan proposes increasing this amount by $15,000 in each subsequent year.

Free Cash – Each year the Mayor will propose a certain amount of funding for projects from the city's undesignated fund balance or "free cash". Since free cash will vary from year to year, the amount set aside for the capital projects will be determined soon after free cash is certified, which is generally in December each year, concurrent with setting the tax rate. The amount of free cash to be used for capital projects will depend on: 1) the amount of certified free cash 2) the amount estimated to be needed for current year operating deficits such as snow and ice, veteran's benefits, etc. and 3) the amount to be added to Capital Stabilization Fund to reach 2.5% of General Fund Budget target.

In FY17 the target amount of free cash recommended for the Capital Improvement Program is $1,267,664. The five year plan proposes using approximately $400,000 - $700,000 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 the program. 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. At this time, the Capital Stabilization Fund has been growing after reaching a low-point in FY11 when the balance was $4,684.

Today the Capital Stabilization Fund has a balance of $2,555,999. It is the city's desire to keep a balance in this fund at a minimum of 2.5% of the city's General Fund budget. Funds in excess of 2.5% of the city's General Fund budget will be appropriated from the Capital Stabilization Fund to fund capital needs. 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 FY16 to FY21.

CITY OF NORTHAMPTON
GENERAL FUND CAPITAL STABILIZATION BALANCE PROJECTION

				Estimated		
Activity in Capital Stabilization:	**FY2016**	**FY2017**	**FY2018**	**FY2019**	**FY2020**	**FY2021**
5000-340616						
Capital Stabilization Starting Balance:	1,619,260	2,210,600	2,265,865	2,322,517	2,910,401	3,084,930
Contribution from Operating Budget:	330,750	347,288	364,652	382,884	402,029	420,000
Free Cash Appropriation - Actual or Estimated:	600,000	250,000	250,000	250,000	250,000	250,000
Interest Income	4,949					
Use Toward Capital Plan for NEXT Fiscal Year	(344,359)	(542,023)	(558,000)	(45,000)	(477,500)	
Total Projected Balance in Stabilization	**2,210,600**	**2,265,865**	**2,322,517**	**2,910,401**	**3,084,930**	**3,754,930**
Budgeted/Estimated General Fund Budget	**88,424,019**	**90,634,619**	**92,900,485**	**95,222,997**	**97,603,572**	**100,043,661**
Capital Stabilization as % of Budget:	2.50%	2.50%	2.50%	3.06%	3.16%	3.75%
Desired % to keep as Reserve:	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Amount to keep as Reserve:	2,210,600	2,265,865	2,322,512	2,380,575	2,440,089	2,501,092
Additional Funds Available for Appropriation:	(0)	(0)	5	529,826	644,841	1,253,839

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 FY17 Capital Plan proposes using $360,000 from the Parking RRA Account. The following chart shows the projection for the Parking Receipts Reserved for Appropriation Account from FY16 to FY21.

CITY OF NORTHAMPTON
RECEIPTS RESERVED FOR PARKING BALANCE PROJECTION

				Estimated		
Activity in Capital Stabilization:	**FY2016**	**FY2017**	**FY2018**	**FY2019**	**FY2020**	**FY2021**
RRA Parking Starting Balance	809,999	649,999	519,999	644,999	769,999	894,999
Estimated Receipts Received Above Budgeted	200,000	125,000	125,000	125,000	125,000	125,000
Other Revenue from completed projects or turnbacks						
Appropriations from RRA during fiscal year						
Use Toward Capital Plan for NEXT Fiscal Year	(360,000)	(255,000)	-	-	-	-
Total Projected Balance in RRA at fiscal year end	649,999	519,999	644,999	769,999	894,999	1,019,999

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 Services 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, it is noted that projects are often referred to seek CPA funding when the project fits the 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.

Enterprise Funds – Capital needs for the City's water, sewer, storm water 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 typically no financial orders relative to funding projects paid out of the operating budget as the authorization to spend derives from passage of the annual budget. However, financial orders are brought to City Council for enterprise fund projects that require borrowing or are proposed to be funded from the enterprise fund stabilization funds.

Other – Refers to those expenditures that are financed from sources that do not arise directly from city's tax levy. These sources may be state and federal grants such as C.90 funds for road work, private donations, trust funds and other sources.

Bonds/Borrowing – Bonds refer to those expenditures that are financed through borrowing. Payments to retire the bonds are required over an extended period of time, usually five to twenty years. These extended payments, which include both principal and interest, are typically referred to as "debt service". Bonding is generally reserved for major expenditures such as the construction of a new facility or the

purchase of major equipment such as trucks for the DPW or Fire Apparatus. Major purchases such as these would be difficult to incorporate into the budget as cash expenditures and therefore funding is spread out over several years.

The Capital Improvement Program strives to maintain a prudent balance between funding by cash and funding by borrowing. The debt schedule is carefully planned to maximize opportunities for larger capital projects to be funded in a timely manner, without causing large spikes in debt service payments that could have a negative impact on the budget. Both borrowing within the levy limit and borrowing with voter approval of a debt exclusion override, thereby exempting the debt from the levy limit, are proposed 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 are 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 chart on the next page details the projected debt service for the General Fund and Enterprise Fund for the next five years. Total General Fund debt service in FY17 is projected at $5.1 million. Total Enterprise Fund debt service is projected at $2.7 million in FY17. The accompanying chart identifies projected Debt Service over the next five years.

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), count 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."

With regard to Capital Projects for Smith Vocational and Agricultural School (SVAHS), capital projects have not been assigned to a funding year in this capital program pending the outcome of discussions relative to governance and financial structures. One of the key issues pertaining to funding capital improvements at SVAHS is the City of Northampton's 100% responsibility for SVAHS capital maintenance funding despite city residents representing only 21% of the student body. In FY2016 the city provided funding to SVAHS for extraordinary maintenance projects in the FY2016 operating budget.

CITY OF NORTHAMPTON
PROJECTED DEBT SERVICE FOR CAPITAL NEEDS
includes new debt service recommended in Capital Improvement Program

Fiscal Year	FY2017	FY2018	FY2019	FY2020	FY2021
GENERAL FUND					
Debt Excluded	1,093,417	1,004,656	783,731	648,569	633,442
Levy Limit	2,671,282	2,785,290	3,263,095	3,210,206	2,913,268
MSBA Reimbursement	1,108,358	1,108,358	1,108,358	1,061,797	-
Other Funding Sources (inc CPA)	256,636	189,873	185,679	180,806	175,933
TOTAL DEBT SERVICE PROJECTION IN GENERAL FUND	**5,129,693**	**5,088,177**	**5,340,863**	**5,101,378**	**3,722,643**
ENTERPRISE FUNDS					
Water	2,055,830	2,013,196	2,005,006	2,006,632	2,850,234
Sewer	553,190	1,036,942	1,380,223	1,989,904	2,196,225
Solid Waste	1,025		-	-	-
Stormwater	58,550	57,450	56,350	55,250	49,150
TOTAL DEBT SERVICE PROJECTION IN ENTERPRISE FUNDS	**2,668,595**	**3,107,588**	**3,441,579**	**4,051,786**	**5,095,609**
ALL DEBT SERVICE	**7,798,288**	**8,195,765**	**8,782,442**	**9,153,164**	**8,818,252**

FY2017– FY2021 Capital Improvement Program Projects and Funding Sources

Council Orders to fund projects on the Capital Plan will be presented in conjunction with the FY17 Budget. However, in some instances, timing for the project may necessitate earlier approval by the Council. Specifically, projects that must be completed over the summer, when schools are not in session, or projects that are weather dependent, may be presented for funding consideration earlier than the FY17 Budget process. Depending on the timing of the next bond, some projects may also seek authorization from Council sooner as well.

The Capital Improvement Program contains a total of ninety-seven projects totaling $59,575,423 programmed over the next five fiscal years. Within Central Services are many projects related to building improvements in other departments such as Fire and Forbes Library. Likewise with IT are many projects that relate to technology across many departments. Consolidating oversight of projects under Central Services or IT results in improved project management and procurement. Departments are represented as follows:

Department	Number of Projects	Total for 5 Years
Building	2	$ 56,000
Central Services - City	11	$ 1,225,438
Central Services - Parking	3	$ 445,000
Northampton Public Schools	23	$ 2,109,794
Public Safety Dispatch	3	$ 600,000
Department of Public Works	32	$ 51,502,326
Fire/Rescue	11	$ 1,738,050
Information Technology	5	$ 1,033,020
Planning and Sustainability	3	$ 370,000
Police	4	$ 495,795
Total:	**97**	**$ 59,575,423**

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 chart below summarizes the projected funding sources for the FY2017 – FY2021 the CIP.

CITY OF NORTHAMPTON

FIVE YEAR CAPITAL IMPROVEMENT PROGRAM

COVERING FISCAL YEARS 2017-2021

PROJECTED FUNDING SOURCES

	FIVE YEAR PLAN					
Funding Sources	**FY2017**	**FY2018**	**FY2019**	**FY2020**	**FY2021**	**TOTALS**
General Fund Cash Capital	280,000	295,000	335,000	330,000	340,000	**1,580,000**
Free Cash	1,267,664	701,859	510,000	423,250	500,000	**3,402,773**
Capital Stabilization	344,359	542,023	558,000	45,000	477,500	**1,966,882**
General Fund Bonds/Borrowing	2,141,500	1,409,618	750,000	750,000	750,000	**5,801,118**
Receipts Reserved for Parking	360,000	255,000				**615,000**
Receipts Reserved Sale of Land	160,867					**160,867**
Revolving Funds	165,000	-	50,000	-	60,000	**275,000**
Trust Funds	137,300					
Reprogrammed Funds	76,663	47,794				**124,457**
Water Enterprise Fund Operating Budget	2,331,000	1,938,000	1,213,000	1,048,000	1,048,000	**7,578,000**
Water Enterprise Fund Borrowing				950,000	3,500,000	
Sewer Enterprise Fund Operating Budget	1,005,000	776,000	744,000	696,000	606,000	**3,827,000**
Sewer Enterprise Fund Borrowing	1,354,013	4,159,304	4,504,246	11,130,227	4,805,236	
Storm Water Enterprise Fund Operating Budget	882,000	730,000	727,000	700,000	500,000	**3,539,000**
Solid Waste Enterprise Fund Operating Budget	165,000					**165,000**
Total:	**10,670,366**	**10,854,598**	**9,391,246**	**16,072,477**	**12,586,736**	**59,575,423**

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

Dept. Priority	Project Title	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
BUILDING							
1	Inspection Vehicle Small AWD Hybrid SUV	0	28,000	0	0	0	28,000
2	Inspection Vehicle Small AWD Hybrid SUV	0	0	0	28,000	0	28,000
	Totals	**0**	**28,000**	**0**	**28,000**	**0**	**56,000**
CENTRAL SERVICES - CITY							
High	Fire Department: Security Access - Main & Flo	50,000	0	0	0	0	50,000
Critical	Fire Department: Alerting System - Main & Flo	181,438	0	0	0	0	181,438
High	LED Street Lights	225,000					225,000
High	Fire Department: Replace Roof, Florence	0	121,000	0	0	0	121,000
Medium	Fire Department: Pave Parking Lot-Main	0	0	0	80,000	0	80,000
Medium	Fire Department: Upgrade Vehicle Exhaust - Main & Flo	0	0	125,000	0	0	125,000
Medium	City Hall: Foundation Work	0	60,000	0	0	0	60,000
Medium	Forbes: Arch/Eng - Windows and Clim. Cont. Special Coll.	100,000		0	0	0	100,000
High	Memorial Hall: Interior Painting	0	58,000	0	0	0	58,000
Medium	Memorial Hall: Replace Asphalt Roof	0	0	0	125,000	0	125,000
Medium	Energy Resiliency: Mobile Gen and Switches	0	0	50,000	50,000	0	100,000
	Totals	**556,438**	**239,000**	**175,000**	**255,000**	**0**	**1,225,438**
CENTRAL SERVICES - PARKING							
High	Parking Garage Repairs: Levels 2 & 3, caulk façade jts.	200,000	0	0	0	0	200,000
High	Parking Garage Repairs: Waterproofing membrane	0	155,000	0	0	0	155,000
High	Parking Garage Repairs: Drainage System	90,000	0	0	0	0	90,000
	Totals	**290,000**	**155,000**	**0**	**0**	**0**	**445,000**
NORTHAMPTON PUBLIC SCHOOLS							
High	Leeds: Replace Rubber & Ballasted Roofs & Gym Roof		148,897		0	0	148,897
High	Bridge Street: Replace Rubber Roofs & Rebuild Parapet		148,897				148,897
Critical	Leeds: Repair Main Chimney	25,000	0	0	0	0	25,000
High	Leeds: Repave Parking Lots	0	80,000	98,000	0	0	178,000
High	High School: Brick Façade Repair	40,000		85,000	0	0	125,000
High	High School: Energy Management System: Phase 3-6	115,000	80,000				195,000
Critical	JFK: Tennis Court Resurfacing	45,000	0	0	0	0	45,000
High	Jackson Street: Replace Exterior Stairs	50,000	0	0	0	0	50,000
High	District Wide Security Access Upgrades: Elem & JFK	40,000	40,000	0	0	0	80,000
Medium	JFK: Exterior Façade Repairs	0	0	45,000	0	0	45,000
High	JFK: Locker Replacement- Pool Area	0	50,000		0	0	50,000
Medium	JFK: Tile Repair- Pool	0	0	50,000	0	0	50,000
Medium	JFK: Security Upgrades to Main Lobby	0	100,000	0	0	0	100,000
High	Ryan Road: Front Sidewalks & Curbing	0		0	80,000	0	80,000
High	Cafeteria Furniture	0	20,000	0	0	0	20,000
High	Ryan Road: Replace Gym Floor	0	0	55,000	0	0	55,000
Medium	Ryan Road: Upgrade Bathrooms	0	45,000	45,000	60,000	0	150,000
Medium	Leeds-Jackson-Ryan: Paint Gymnasiums	0	0	30,000	0	0	30,000
Medium	HVAC Van Replacement	0	0	25,000	0	0	25,000
1	Ryan Road Kitchen Remodel	0	200,000	0	0	0	200,000
2	Bus Replacement	0	0	110,000	0	120,000	230,000
Medium	Grounds Operations: New Truck	0	60,000	0	0	0	60,000
Medium	Grounds Operations: New Mower	0	19,000	0	0	0	19,000
	Totals	**315,000**	**991,794**	**543,000**	**140,000**	**120,000**	**2,109,794**
PUBLIC SAFETY							
1	Dispatch Radio Consoles	375,000	0	0	0	0	375,000
1	Radio Study	25,000	0	0	0	0	25,000
2	Radio Hardware	0	200,000	0	0	0	200,000

Dept. Priority	Project Title	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
	Totals	**400,000**	**200,000**	**0**	**0**	**0**	**600,000**
DPW							
Water Enterprise - Operations	Watershed Land Aquisition	200,000	200,000	200,000	200,000	200,000	1,000,000
Water Enterprise - Operations	Radio Read Program	100,000	100,000	100,000	100,000	100,000	500,000
Water Enterprise - Operations	Meter Replacement	75,000	75,000	75,000	75,000	75,000	375,000
Water Enterprise - Operations	Water Line Replacement	1,600,000	1,200,000	605,000	400,000	400,000	4,205,000
Water Enterprise - Operations	Hydrant Replacement	30,000	30,000	30,000	30,000	30,000	150,000
Water Enterprise - Operations	Reservoir Construction	0	0	0	950,000	3,500,000	4,450,000
Water Enterprise - Treatment	Granular Activated Carbon Replacement	80,000	80,000	80,000	80,000	80,000	400,000
Water Enterprise - Treatment	Replace Control and Measuring Equipment	60,000	60,000	60,000	60,000	60,000	300,000
Water Enterpise - Operations	Replace Equipment Technology	18,000	18,000	18,000	18,000	18,000	90,000
Water Enterpise - Operations	Water Improvements	10,000	10,000	10,000	10,000	10,000	50,000
Water Enterpise - Operations	Vehicle Replacement	0	0	0	25,000	25,000	50,000
Water Enterprise - Treatment	Vehicle Replacement	15,000	15,000	15,000	15,000	15,000	75,000
Water Enterprise - Treatment	Replace Technology	10,000	10,000	10,000	10,000	10,000	50,000
Sewer Enterprise - Operations	Sewer Line Replacement	400,000	400,000	400,000	400,000	400,000	2,000,000
Sewer Enterprise - Operations	Vehicle Replacement	0	0	0	100,000	10,000	110,000
Sewer Enterprise - Treatment	Sewer System Study	200,000	200,000	165,000	0	0	565,000
Sewer Enterprise - Treatment	Wastewater Treatment Plant Improvements	1,354,013	4,159,304	4,504,246	11,130,227	4,805,236	25,953,026
Sewer Enterprise - Operations	Equipment Replacement	46,000	46,000	46,000	46,000	46,000	230,000
Sewer Enterprise - Treatment	Equipment Replacement	35,000	35,000	35,000	35,000	35,000	175,000
Sewer Enterprise - Treatment	Vehicle Replacement	15,000	15,000	15,000	15,000	15,000	75,000
Storm Water Enterprise	Levee Assesment and Repair	200,000	200,000	200,000	0	0	600,000
Storm Water Enterprise	Storm Line Replacement	500,000	500,000	500,000	500,000	500,000	2,500,000
General Fund	Sidewalks	0	50,000	50,000	50,000	50,000	200,000
General Fund	Traffic Calming	0	25,000	25,000	25,000	25,000	100,000
General Fund	Street Resurfacing	500,000	500,000	750,000	750,000	750,000	3,250,000
General Fund	Clement Street Bridge	50,000	125,000	0	0	0	175,000
General Fund	Cemetery Preservation Plans - West Farms and Park St.	37,300					37,300
Sewer, ST	Portable Pump	30,000	0	0	0	0	30,000
GF, Water, Sewer, ST	Plotter	12,000	0	0	0	0	12,000
GF, Water, Sewer, ST	Mezzanine Storage	35,000	0	0	0	0	35,000
GF, Water, Sewer, ST, SW	Vehicle Replacement	1,130,000	705,000	430,000	370,000	450,000	3,085,000
GF, Water, Sewer, ST, SW	City Wide Fueling Depot	675,000	0	0	0	0	675,000
	Totals	**7,417,313**	**8,758,304**	**8,323,246**	**15,394,227**	**11,609,236**	**51,502,326**
FIRE/RESCUE							
1	Replace 1993 Engine/Tanker	585,000	0	0	0	0	585,000
3	Communications Equipment	32,550	0	0	0	0	32,550
4	Rescue Boat Replacment	0	35,000	0	0	0	35,000
8	Turnout Gear Replacement	0	0	195,000	0	0	195,000
10	EMS Protective Equipment	0	0	0	35,000	0	35,000
6	Hose and Appliances	0	25,000	0	0	0	25,000
7	Hybrid Staff Vehicle	0	0	40,250	0	0	40,250
12	Replace Plow, Mechanics Vehicle	0	0	0	0	60,500	60,500
5	12 Lead Cardiac Monitors	0	74,500	0	0	0	74,500
11	Replace 1999 Engine	0	0	0	0	585,000	585,000
9	Replace 1997 Utility/Brush Unit	0	0	0	70,250	0	70,250
	Totals	**617,550**	**134,500**	**235,250**	**105,250**	**645,500**	**1,738,050**
INFORMATION TECHNOLOGY							
0	VoIP Phone System Replacement	621,500	0	0	0	0	621,500
1	Multi-Facility Energy Management System	18,020	0	0	0	0	18,020
1	Integrate Municipal Data System	110,000	0	0	0	0	110,000
2	Equipment Replacement	50,000	50,000	50,000	50,000	50,000	250,000
2	LaserFiche Document Management Upgrade	33,500	0	0	0	0	33,500
	Totals	**833,020**	**50,000**	**50,000**	**50,000**	**50,000**	**1,033,020**
PLANNING & SUSTAINABILITY							
1	Downtown and Parking wayfinding	70,000	100,000	0	0	0	170,000
2	Rail Trail Extension designs	0	60,000	0	60,000	0	120,000
3	Tax title for City priority purchases	0	40,000	0	40,000	0	80,000

Dept. Priority	Project Title	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
	Totals	**70,000**	**200,000**	**0**	**100,000**	**0**	**370,000**
POLICE							
1	Firing Range	103,545	45,000	0	0	0	148,545
3	Tactical Training/Supplies	67,500	0	64,750	0	67,500	199,750
4	Replacement 4WD Vehicle	0	53,000	0	0	0	53,000
5	Replacement Crime Scene Services Van	0	0	0	0	94,500	94,500
	Totals	**171,045**	**98,000**	**64,750**	**0**	**162,000**	**495,795**
	All Project Totals	**10,670,366**	**10,854,598**	**9,391,246**	**16,072,477**	**12,586,736**	**59,575,423**

CITY OF NORTHAMPTON
FISCAL YEAR 2017 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE

$ -	$ 10,670,366	General Fund		Stabilization		General Fund Borrowing		Enterprise Funds			Trust Funds		Revolving Funds	Receipt Reserved Funds		Reprogrammed		
Project Title	Mayor's Recommendation	Cash Capital $280,000	Free Cash	Regular Stabilization	Capital Stabilization	Amount	Number of Years	Enterprise Fund Operating Budget	Enterprise Borrowing	Number of Years	Cemetery Perpetual Care	Trust Fund	Revolving Funds	Sale of Land	Parking	Amount	Source of Funds	Total
	$ 10,670,366	$ 280,000	$ 1,267,664	$ -	$ 344,359	$ 2,141,500		$ 4,383,000	$ 1,354,013		$ 37,300	$ 100,000	$ 165,000	$ 160,867	$ 360,000	$ 76,663		$ 10,670,366
Parking Maintenance																		
Garage Structure Repairs	$ 200,000														200,000			$ 200,000
Drainage System Upgrades	$ 90,000														90,000			$ 90,000
Central Services																		
Fire Department - Update Alerting System	$ 181,438	$ 13,598			$ 167,840													$ 181,438
Fire Department - Security Access System	$ 50,000	$ 50,000																$ 50,000
Street Lights	$ 225,000					$ 225,000	10											$ 225,000
Forbes Library - Arch/Eng for Windows and Climate Control for Special Collections Room	$ 100,000											$ 100,000						$ 100,000
Planning and Sustainability																		
Downtown and Parking Wayfinding	$ 70,000														$ 70,000			$ 70,000
Information Technology																		
VIOP Phone System Replacement	$ 621,500					$ 456,500	6						$ 165,000					$ 621,500
IT - Replacement of Equipment	$50,000	$ 50,000																$ 50,000
Multi-Facility Energy Mgt. System	$18,020	$ 18,020																$ 18,020
Intergrate Municipal Data System	$110,000		$ 110,000															$ 110,000
Laserfische Document Mgt. Update	$33,500	$ 33,500																$ 33,500
Fire Department																		
Communications Equipment	$32,550		$ 32,550															$ 32,550
Replace 1993 Engine/Tanker	$585,000					$ 585,000	10											$ 585,000
Public Safety Dispatch Center																		
Radio Study	$25,000	$ 25,000																$ 25,000
Dispatch Radio Consoles	$375,000					$ 375,000	5											$ 375,000
Police Department																		
Replace Tactical Equipment	$ 67,500		$ 67,500															$ 67,500
Firing Range	$ 103,545	$ 51,882														$ 51,663.00	Fund 2144 CP, Fund 2511 Dare, Fund 2513	$ 103,545
Public Schools																		
NHS- Multi-Phase Upgrade of Bldg Energy Mgt. System	$ 115,000		$ 115,000															$ 115,000
NHS - Brick and Façade Work	$ 40,000		$ 40,000															$ 40,000
JFK Tennis Court Resurfacing	$ 45,000		$ 45,000															$ 45,000
Jackson Street:Replace Exterior Stairs	$ 50,000		$ 50,000															$ 50,000
District -wide Security Measures	$ 40,000		$ 40,000															$ 40,000
Leeds Chimney Repair	$ 25,000		$ 25,000															$ 25,000
Department of Public Works																		
Water Enterprise:																		
Watershed Land Acquisition	$ 200,000							$ 200,000										$ 200,000
Granular Activated Carbon Replacement	$ 80,000							$ 80,000										$ 80,000
Water Line Replacement	$ 1,600,000							$ 1,600,000										$ 1,600,000
Radio Read Program	$ 100,000							$ 100,000										$ 100,000
Meter Replacement Program	$ 75,000							$ 75,000										$ 75,000
Hydrant Replacement Program	$ 30,000							$ 30,000										$ 30,000
Replace Control and Measuring Equipment	$ 60,000							$ 60,000										$ 60,000
Replace Equipment Technology	$ 18,000							$ 18,000										$ 18,000
Water Improvements	$ 10,000							$ 10,000										$ 10,000
Replace Technology	$ 10,000							$ 10,000										$ 10,000
Vehicle Replacement	$ 15,000							$ 15,000										$ 15,000
Sewer Enterprise:																		
Sewer Line Replacement	$ 400,000							$ 400,000										$ 400,000
Sewer System Study	$ 200,000							$ 200,000										$ 200,000
Wastewater Treatment Plant Improvements	$ 1,354,013								$ 1,354,013	$ 10								$ 1,354,013
Equipment Replacement	$ 81,000							$ 81,000										$ 81,000
Vehicle Replacement	$ 15,000							$ 15,000										$ 15,000
Storm Water Enterprise:																		
Storm Line Replacement	$ 500,000							$ 500,000										$ 500,000

CITY OF NORTHAMPTON
FISCAL YEAR 2017 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE

$ -	$ 10,670,366	General Fund		Stabilization		General Fund Borrowing		Enterprise Funds			Trust Funds		Revolving Funds	Receipt Reserved Funds		Reprogrammed		
Project Title	**Mayor's Recommendation**	**Cash Capital $280,000**	**Free Cash**	**Regular Stabilization**	**Capital Stabilization**	**Amount**	**Number of Years**	**Enterprise Fund Operating Budget**	**Enterprise Borrowing**	**Number of Years**	**Cemetery Perpetual Care**	**Trust Fund**	**Revolving Funds**	**Sale of Land**	**Parking**	**Amount**	**Source of Funds**	**Total**
Levee Assessment and Repair	$ 200,000							$ 200,000										$ 200,000
Water, Sewer, Storm and General Fund:																		
City Wide Fueling Depot	$ 675,000		$ 304,133					$ 185,000						$ 160,867		$ 25,000	*19303 585809 DPW Fuel Pad Replacement*	$ 675,000
Equipment Replacement	$ 1,130,000		$ 388,481		$ 176,519			$ 565,000										$ 1,130,000
Mezzanine Storage	$ 35,000	$ 35,000																$ 35,000
Portable Pump	$ 30,000							$ 30,000										$ 30,000
Plotter	$ 12,000	$ 3,000						$ 9,000										$ 12,000
General Fund:																		
Street Resurfacing (not including C.90 funds)	$ 500,000					$ 500,000	5											$ 500,000
Cemetery Preservation Plan - West Farms and Park St.	$ 37,300										$ 37,300							$ 37,300
Clement Street Bridge	$ 50,000		$ 50,000															$ 50,000

CITY OF NORTHAMPTON
FISCAL YEAR 2018 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE

$ -	$ 10,854,598	General Fund		Stabilization		General Fund Borrowing		Enterprise Funds			Trust Funds	Revolving Funds	Receipt Reserved Funds		Reprogrammed		
Project Title	Mayor's Recommendation	Cash Capital $295,000	Free Cash	Regular Stabilization	Capital Stabilization	Amount	Number of Years	Enterprise Fund Operating Budget	Enterprise Borrowing	Number of Years	Cemetery Perpetual Care	Revolving Funds	Sale of Land	Parking	Amount	Source of Funds	Total
	$ 10,854,598	$ 295,000	$ 701,859	$ -	$ 542,023	$ 1,409,618		$ 3,444,000	$ 4,159,304		$ -	$ -	$ -	$ 255,000	$ 47,794		$ 10,854,598
Parking Maintenance																	
Recoat Waterproofing Membrane	$ 155,000													$ 155,000			$ 155,000
Central Services																	
Fire Station - Replace Roof, Florence	$ 121,000		$ 4,359		$ 116,641												$ 121,000
Memorial Hall - Interior Painting	$ 58,000		$ 58,000														$ 58,000
City Hall - Foundation Work	$ 60,000		$ 60,000														$ 60,000
Building Department																	
Four Wheel Drive Inspection Vehicle	$ 28,000	$ 28,000															$ 28,000
Planning and Sustainability																	
Downtown and Parking Wayfinding	$ 100,000													$ 100,000			$ 100,000
Rail Trail Extension Designs	$ 60,000		$ 60,000														$ 60,000
Tax Title for City Priority Purchases	$ 40,000	$ 40,000															$ 40,000
Information Technology																	
IT - Replacement of Equipment	$50,000		$ 50,000														$ 50,000
Fire Department																	
Hoses and Appliances	$ 25,000	$ 25,000															$ 25,000
12 Lead Cardiac Monitors	$ 74,500		$ 74,500														$ 74,500
Rescue Boat Replacement	$ 35,000	$ 28,000	$ 7,000														$ 35,000
Public Safety Dispatch Center																	
Radio Hardware	$ 200,000				$ 200,000												$ 200,000
Police Department																	
Replace 4WD Vehicle	$ 53,000		$ 53,000														$ 53,000
Firing Range	$ 45,000	$ 45,000															$ 45,000
Public Schools																	
NHS- Multi-Phase Upgrade of Bldg Energy Mgt. System	$ 80,000				$ 80,000												$ 80,000
Bridge and Leeds Roof Replacements (MSBA Match)	$ 297,794					$ 250,000	10								$ 47,793.94	3000-350904-11 Bridge Street Paraphet 19303 586504 Leeds Skylight/Window Repl	$ 297,794
JFK - Locker Replacement Pool Area	$ 50,000		$ 50,000														$ 50,000
JFK - Security Upgrades to Main Lobby	$ 100,000					$ 100,000	5										$ 100,000
Leeds - Repave parking Lot	$ 80,000		$ 80,000														$ 80,000
Ryan - Upgrades Bathrooms	$ 45,000	$ 45,000															$ 45,000
Security Upgrades	$ 40,000	$ 40,000															$ 40,000
Grounds Operations - new Truck	$ 60,000		$ 60,000														$ 60,000
Grounds Operations - new Mower	$ 19,000	$ 19,000															$ 19,000
Ryan - Kitchen Remodel	$ 200,000					200,000	10										$ 200,000
Cafeteria Furniture	$ 20,000		$ 20,000														$ 20,000
Department of Public Works																	
Water Enterprise:																	
Watershed Land Acquisition	$ 200,000							$ 200,000									$ 200,000
Granular Activated Carbon Replacement	$ 80,000							$ 80,000									$ 80,000
Water Line Replacement	$ 1,200,000							$ 1,200,000									$ 1,200,000
Radio Read Program	$ 100,000							$ 100,000									$ 100,000
Meter Replacement Program	$ 75,000							$ 75,000									$ 75,000
Hydrant Replacement Program	$ 30,000							$ 30,000									$ 30,000
Replace Control and Measuring Equipment	$ 60,000							$ 60,000									$ 60,000
Replace Equipment Technology	$ 18,000							$ 18,000									$ 18,000
Water Improvements	$ 10,000							$ 10,000									$ 10,000
Replace Technology	$ 10,000							$ 10,000									$ 10,000

CITY OF NORTHAMPTON
FISCAL YEAR 2018 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE

$ -	$ 10,854,598	General Fund		Stabilization		General Fund Borrowing		Enterprise Funds			Trust Funds	Revolving Funds	Receipt Reserved Funds		Reprogrammed		
Project Title	Mayor's Recommendation	Cash Capital $295,000	Free Cash	Regular Stabilization	Capital Stabilization	Amount	Number of Years	Enterprise Fund Operating Budget	Enterprise Borrowing	Number of Years	Cemetery Perpetual Care	Revolving Funds	Sale of Land	Parking	Amount	Source of Funds	Total
Vehicle Replacement	$ 15,000							$ 15,000									$ 15,000
Sewer Enterprise:																	
Sewer Line Replacement	$ 400,000							$ 400,000									$ 400,000
Sewer System Study	$ 200,000							$ 200,000									$ 200,000
Wastewater Treatment Plant Improvements	$ 4,159,304								$ 4,159,304	$ 10							$ 4,159,304
Equipment Replacement	$ 81,000							$ 81,000									$ 81,000
Vehicle Replacement	$ 15,000							$ 15,000									$ 15,000
Storm Water Enterprise:																	
Storm Line Replacement	$ 500,000							$ 500,000									$ 500,000
Levee Assessment and Repair	$ 200,000							$ 200,000									$ 200,000
Water, Sewer, Storm and General Fund:																	
Equipment Replacement	$ 705,000				$ 95,382	$ 359,618	5	$ 250,000									$ 705,000
General Fund:																	
Traffic Calming	$ 25,000	$ 25,000															$ 25,000
Sidewalks	$ 50,000				$ 50,000												$ 50,000
Street Resurfacing (not including C.90 funds)	$ 500,000					500,000	5										$ 500,000
Clement Street Bridge	$ 125,000		$ 125,000														$ 125,000

CITY OF NORTHAMPTON
FISCAL YEAR 2019 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE

$ -	$ 9,391,246	General Fund		Stabilization		Borrowing		Enterprise Funds			Trust Funds	Revolving Funds	Receipt Reserved Funds		Reprogrammed		
Project Title	Mayor's Recommendation	Cash Capital $310,000	Free Cash	Regular Stabilization	Capital Stabilization	Amount	Number of Years	Enterprise Fund Operating Budget	Enterprise Borrowing	Number of Years	Cemetery Perpetual Care	Revolving Funds	Sale of Land	Parking	Amount	Funds	Total
	$ 9,391,246	$ 335,000	$ 510,000	$ -	$ 558,000	$ 750,000		$ 2,684,000	$ 4,504,246		$ -	$ 50,000	$ -	$ -	$ -		$ 9,391,246
Central Services																	
Energy Resiliency Upgrades - Mobile Generators	$ 50,000	$ 50,000															$ 50,000
Fire Department - Upgrade Exhaust Systems - Both Stations	$ 125,000		$ 125,000														$ 125,000
Information Technology																	
IT - Replacement of Equipment	$50,000		$ 50,000														$ 50,000
Fire Department																	
Turnout Gear Replacement	$195,000				$ 195,000												$ 195,000
Hybrid Staff Vehicle	$40,250	$ 40,250															$ 40,250
Police Department																	
Replace Tactical Equipment	$ 64,750	$ 64,750															$ 64,750
Public Schools																	
JFK - Exterior Façade Repairs	$ 45,000		$ 45,000														$ 45,000
JFK Pool Tile Repair	$ 50,000	$ 50,000															$ 50,000
NHS - Brick and Façade Work	$ 85,000		$ 85,000														$ 85,000
Ryan - Bathroom Upgrades	$ 45,000		$ 45,000														$ 45,000
Ryan - Replace Gym Floor	$ 55,000		$ 55,000														$ 55,000
Leeds Parking Lot Repaving - Phase II	$ 98,000				$ 98,000												$ 98,000
Paint Gyms at leeds, Jackson and Ryan	$ 30,000	$ 30,000															$ 30,000
Wheelchair Bus	$ 110,000		$ 60,000									$ 50,000					$ 110,000
HVAC Van Replacement	$ 25,000	$ 25,000															$ 25,000
Department of Public Works																	
Water Enterprise:																	
Watershed Land Acquisition	$ 200,000							$ 200,000									$ 200,000
Granular Activated Carbon Replacement	$ 80,000							$ 80,000									$ 80,000
Water Line Replacement	$ 605,000							$ 605,000									$ 605,000
Radio Read Program	$ 100,000							$ 100,000									$ 100,000
Meter Replacement Program	$ 75,000							$ 75,000									$ 75,000
Hydrant Replacement Program	$ 30,000							$ 30,000									$ 30,000
Replace Control and Measuring Equipment	$ 60,000							$ 60,000									$ 60,000
Replace Equipment Technology	$ 18,000							$ 18,000									$ 18,000
Water Improvements	$ 10,000							$ 10,000									$ 10,000
Replace Technology	$ 10,000							$ 10,000									$ 10,000
Vehicle Replacement	$ 15,000							$ 15,000									$ 15,000
Sewer Enterprise:																	
Sewer Line Replacement	$ 400,000							$ 400,000									$ 400,000
Sewer System Study	$ 165,000							$ 165,000									$ 165,000
Wastewater Treatment Plant Improvements	$ 4,504,246								$ 4,504,246	$ 20							$ 4,504,246
Equipment Replacement	$ 81,000							$ 81,000									$ 81,000
Vehicle Replacement	$ 15,000							$ 15,000									$ 15,000
Storm Water Enterprise:																	
Storm Line Replacement	$ 500,000							$ 500,000									$ 500,000

CITY OF NORTHAMPTON
FISCAL YEAR 2019 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE

$ -	$ 9,391,246	General Fund		Stabilization		Borrowing		Enterprise Funds			Trust Funds	Revolving Funds	Receipt Reserved Funds		Reprogrammed		
Project Title	Mayor's Recommendation	Cash Capital $310,000	Free Cash	Regular Stabilization	Capital Stabilization	Amount	Number of Years	Enterprise Fund Operating Budget	Enterprise Borrowing	Number of Years	Cemetery Perpetual Care	Revolving Funds	Sale of Land	Parking	Amount	Funds	Total
Levee Assessment and Repair	$ 200,000							$ 200,000									$ 200,000
Water, Sewer, Storm and General Fund:																	
Equipment Replacement	$ 430,000		$ 45,000		$ 265,000			$ 120,000									$ 430,000
General Fund:																	
Traffic Calming	$ 25,000	$ 25,000															$ 25,000
Sidewalks	$ 50,000	$ 50,000															$ 50,000
Street Resurfacing (not including C.90 funds)	$ 750,000					$ 750,000	5										$ 750,000

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

$ -	$ 16,072,477	General Fund		Stabilization		Borrowing		Enterprise Funds			Trust Funds	Revolving Funds	Receipt Reserved Funds		Reprogrammed		
Project Title	Mayor's Recommendation	Cash Capital $330,000	Free Cash	Regular Stabilization	Capital Stabilization	Amount	Number of Years	Enterprise Fund Operating Budget	Enterprise Borrowing	Number of Years	Cemetery Perpetual Care	Revolving Funds	Sale of Land	Parking	Amount	Funds	Total
	$ 16,072,477	$ 330,000	$ 423,250	$ -	$ 45,000	$ 750,000		$ 2,444,000	$ 12,080,227		$ -	$ -	$ -	$ -			$ 16,072,477
Parking Maintenance																	
Central Services																	
Energy Resiliency Upgrades - Mobile Generators	$ 50,000	$ 50,000															$ 50,000
Fire Department - Repave Parking Lot	$ 80,000		$ 80,000														$ 80,000
Memorial Hall - Replace Asphalt Roof	$ 125,000		$ 125,000														$ 125,000
Building Department																	
Four Wheel Drive Inspection Vehicle	$ 28,000		$ 28,000														$ 28,000
Planning and Sustainability																	
Tax Title for City Priority Purchases	$ 40,000		$ 40,000														$ 40,000
Rail Trail Extension Designs	$ 60,000	$ 60,000															$ 60,000
Information Technology																	
IT - Replacement of Equipment	$50,000	$ 50,000															$ 50,000
Fire Department																	
EMS Protective Equipment	$ 35,000	$ 35,000															$ 35,000
Replace 1997 Utility/Brush Truck	$ 70,250		$ 70,250														$ 70,250
Public Schools																	
Ryan - Upgrade Bathrooms	$ 60,000	$ 60,000															$ 60,000
Ryan - - Front Sidewalks and Curbing	$ 80,000		$ 80,000														$ 80,000
Department of Public Works																	
Water Enterprise:																	
Watershed Land Acquisition	$ 200,000							$ 200,000									$ 200,000
Granular Activated Carbon Replacement	$ 80,000							$ 80,000									$ 80,000
Water Line Replacement	$ 400,000							$ 400,000									$ 400,000
Radio Read Program	$ 100,000							$ 100,000									$ 100,000
Meter Replacement Program	$ 75,000							$ 75,000									$ 75,000
Hydrant Replacement Program	$ 30,000							$ 30,000									$ 30,000
Replace Control and Measuring Equipment	$ 60,000							$ 60,000									$ 60,000
Replace Equipment Technology	$ 18,000							$ 18,000									$ 18,000
Water Improvements	$ 10,000							$ 10,000									$ 10,000
Replace Technology	$ 10,000							$ 10,000									$ 10,000
Reservoir Construction	$ 950,000								$ 950,000	10							$ 950,000
Vehicle Replacement	$ 40,000							$ 40,000									$ 40,000
Sewer Enterprise:																	
Sewer Line Replacement	$ 400,000							$ 400,000									$ 400,000

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

$ -	$ 16,072,477	General Fund		Stabilization		Borrowing		Enterprise Funds			Trust Funds	Revolving Funds	Receipt Reserved Funds		Reprogrammed		
Project Title	Mayor's Recommendation	Cash Capital $330,000	Free Cash	Regular Stabilization	Capital Stabilization	Amount	Number of Years	Enterprise Fund Operating Budget	Enterprise Borrowing	Number of Years	Cemetery Perpetual Care	Revolving Funds	Sale of Land	Parking	Amount	Funds	Total
Wastewater Treatment Plant Improvements	$ 11,130,227								$ 11,130,227	$ 30							$ 11,130,227
Equipment Replacement	$ 81,000							$ 81,000									$ 81,000
Vehicle Replacement	$ 115,000							$ 115,000									$ 115,000
Storm Water Enterprise:																	
Storm Line Replacement	$ 500,000							$ 500,000									$ 500,000
Water, Sewer, Storm and General Fund:																	
Equipment Replacement	$ 370,000				$ 45,000			$ 325,000									$ 370,000
General Fund:																	
Traffic Calming	$ 25,000	$ 25,000															$ 25,000
Sidewalks	$ 50,000	$ 50,000															$ 50,000
Street Resurfacing (not including C.90 funds)	$ 750,000					750,000	5										$ 750,000

CITY OF NORTHAMPTON
FISCAL YEAR 2021 CAPITAL IMPROVEMENT PROGRAM BY FUNDING SOURCE

$ -	$ 12,586,736	General Fund		Stabilization		General Fund Borrowing		Enterprise Funds			Trust Funds	Revolving Funds	Receipt Reserved Funds		Reprogrammed		
Project Title	Mayor's Recommendation	Cash Capital $340,000	Free Cash	Regular Stabilization	Capital Stabilization	Amount	Number of Years	Enterprise Fund Operating Budget	Enterprise Borrowing	Number of Years	Cemetery Perpetual Care	Revolving Funds	Sale of Land	Parking	Amount	Source of Funds	Total
	$ 12,586,736	$ 340,000	$ 500,000	$ -	$ 477,500	$ 750,000		$ 2,154,000	$ 8,305,236	40	$ -	$ 60,000	$ -	$ -	$ -		$ 12,586,776
Parking Maintenance																	
Central Services																	
Planning and Sustainability																	
Information Technology																	
IT - Replacement of Equipment	$50,000	$ 50,000															$ 50,000
Fire Department																	
Replace Plow and Mechanics Vehicle	$60,500	$ 60,500															$ 60,500
Replace 1999 Engine	$585,000		$ 432,500		$ 152,500												$ 585,000
Police Department																	
Replace Crimes Scene Services Van	$ 94,500	$ 94,500															$ 94,500
Replace Tactical Equipment	$ 67,500		$ 67,500														$ 67,500
Public Schools																	
Wheelchair Bus	$ 120,000	$ 60,000										$ 60,000					$ 120,000
Department of Public Works																	
Water Enterprise:																	
Watershed Land Acquisition	$ 200,000							$ 200,000									$ 200,000
Granular Activated Carbon Replacement	$ 80,000							$ 80,000									$ 80,000
Water Line Replacement	$ 400,000							$ 400,000									$ 400,000
Radio Read Program	$ 100,000							$ 100,000									$ 100,000
Meter Replacement Program	$ 75,000							$ 75,000									$ 75,000
Hydrant Replacement Program	$ 30,000							$ 30,000									$ 30,000
Replace Control and Measuring Equipment	$ 60,000							$ 60,000									$ 60,000
Replace Equipment Technology	$ 18,000							$ 18,000									$ 18,000
Water Improvements	$ 10,000							$ 10,000									$ 10,000
Replace Technology	$ 10,000							$ 10,000									$ 10,000
Reservoir Construction	$ 3,500,000								$ 3,500,000	20							$ 3,500,020
Vehicle Replacement	$ 40,000							$ 40,000									$ 40,000
																	$ -
Sewer Enterprise:																	$ -
Sewer Line Replacement	$ 400,000							$ 400,000									$ 400,000
Wastewater Treatment Plant Improvements	$ 4,805,236								$ 4,805,236	20							$ 4,805,256
Equipment Replacement	$ 81,000							$ 81,000									$ 81,000
Vehicle Replacement	$ 25,000							$ 25,000									$ 25,000
																	$ -
Storm Water Enterprise:																	$ -
Storm Line Replacement	$ 500,000							$ 500,000									$ 500,000
																	$ -
Water, Sewer, Storm and General Fund:																	$ -
Equipment Replacement	$ 450,000				$ 325,000			$ 125,000									$ 450,000
																	$ -
General Fund:																	$ -
Traffic Calming	$ 25,000	$ 25,000															$ 25,000
Sidewalks	$ 50,000	$ 50,000															$ 50,000
Street Resurfacing (not including C.90 funds)	$ 750,000					$ 750,000	5										$ 750,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Inspection Vehicles **DATE SUBMITTED:** 10/08/15

DEPARTMENT PROJECT INFORMATION

Department: Building Department

Department Contact: Louis Hasbrouck

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☑ **FY21** ☐

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

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

PROJECT DESCRIPTION

The building department proposes to add two additional small AWD hybrid SUV inspection vehicles between 2018 and 2020 years.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The department currently requires inspectors to use their own vehicles at much higher per-mile costs, and the wear and tear on inspectors' vehicles can be problematic.

Cost to Maintain:

These vehicles have a projected life of 10 years. The operational costs for the each vehicle's first 10 years, including fuel, is estimated to be $11,000.

Describe all Benefits and/or Savings:

Paying for an inspector's mileage for the same use would be $20,500; a savings of $9500.
Department revenues will easily support the expenses.
The building department is part of the city's emergency response plan. These vehicles will be available to the Emergency Operations Center team. The EOC has used building department vehicles during past emergencies. Personal vehicles are unsuitable in these situations.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase		$ 28,000		$ 28,000		$ 56,000
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 28,000	$ 0	$ 28,000	$ 0	$ 56,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 28,000		$ 28,000		$ 56,000
TOTALS	$ 0	$ 28,000	$ 0	$ 28,000	$ 0	$ 56,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Fire Department: Security Access System Upgrades- Main & Florence Fire Stations **DATE SUBMITTED:** 9-10-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project involves the installation of FOB activated security access devices for Main fire headquarters and the Florence fire station. Existing equipment, which has been in place since 2000 would be upgraded. Industry software and hardware upgrades now make repairs difficult on the old system, and there are growing issues with the reliability of equipment. Upgrades, which are for overall building security, would occur at exterior doors, administrative offices, IT closets, and the city emergency dispatch center. A fully working system is needed for compliance with the police department accreditation process.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended equipment issues and failures will multiply over time but replacement components and parts will not be available. Also, the inoperability of access equipment will compromise security.

Cost to Maintain:

With the installation of upgraded equipment there will be no ongoing maintenance costs.

Describe all Benefits and/or Savings:

Installation of the upgraded equipment will provide for secure facilities and equipment along with reduced maintenance needs and costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 50,000					$ 50,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 50,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 50,000					$ 50,000
TOTALS	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 50,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Fire Department- Alerting System Upgrades **DATE SUBMITTED:** 9-8-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project would replace the outdated system that alerts fire and EMS crews to a call. The current system is 15 years old, outdated and subject to regular breakdowns and intermittent outages. Based on the age of the current system it is obsolete, there are no parts available and a major component failure cannot be repaired. A new system would integrate the computer aided dispatch system with alerting components and utilize voice over IP technology to provide maximum pre-alert and individual crew alert requiring confirmation. The new system will also use LED lighting instead of the current fluorescent lighting which will reduce electricity use in both stations. The new system will also be compatible with new dispatch center consoles that are being installed.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Based on the age of the current system it is obsolete, there are no parts available and a major component failure can not be repaired. In the absence of alerting response delays would occur.

Cost to Maintain:

The current system has failed several times and the manufacturer has warned that a competent failure would render the system useless. Repairs over the years average $5,000 of parts and labor.

Describe all Benefits and/or Savings:

A new system would integrate the computer aided dispatch system with alerting components and utilize voice over IP technology to provide maximum pre-alert and individual crew alert requiring confirmation. as such this is a far more efficient and rapid means of response notification. As crews would be alerted as the dispatcher enters the call they would be moving toward apparatus and reduce a typical response by approximately 1 minute.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 195,000					$ 195,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 195,000	$ 0	$ 0	$ 0	$ 0	$ 195,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)	$ 13,562					$ 13,562
City Appropriation	$ 181,438					$ 181,438
TOTALS	$ 195,000	$ 0	$ 0	$ 0	$ 0	$ 195,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: LED Streetlights **DATE SUBMITTED:** 2/29/16

DEPARTMENT PROJECT INFORMATION

Department: Central Services

Department Contact: David Pomerantz, Director of Central Services

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Upgrade city owned (2,004) streetlights to LED's. The City will conduct an audit of current streetlights which will provide a GIS layer going forward. Based on the audit, and along with upgrading to LED fixtures, a number of existing streetlights might be discontinued or relocated.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Central Services will need to contract maintenance of streetlights moving forward.

Cost to Maintain:

Even with the City contracting for annual maintenance those charges are projected to be less than the current costs of dealing with National Grid for maintenance calls; facilities charges will be zero.

Describe all Benefits and/or Savings:

Reduced maintenance charges; the elimination of facilities charges by National Grid; reduced energy costs which are estimated to be $125,000 in annual savings.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other		$ 225,000				$ 225,000
Contingency						$ 0
TOTALS	$ 0	$ 225,000	$ 0	$ 0	$ 0	$ 225,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)		$ 225,000				$ 225,000
City Appropriation						$ 0
TOTALS	$ 0	$ 225,000	$ 0	$ 0	$ 0	$ 225,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Fire Department- Replace Roof, Florence Fire Station **DATE SUBMITTED:** 9-8-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The rubber roof system over the apparatus bays is in need of replacement (6,000 sf.). A portion of the roof was patched due to leaks last year. The overall roof is deteriorating and it has reached the end of its useful life. The equipment below needs to be protected and the area kept dry. The existing roof, metal trim, and insulation would be removed, and a new rubber roof system would be installed. Insulation levels would be increased to meet the current energy code. The estimated life span of the new roof would be about 25 years. The existing roof over the living quarters, offices and kitchen is in good shape and does not need attention.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended more frequent and significant repairs will be required and the potential for water damage to fire apparatus and equipment will increase.

Cost to Maintain:

Once installed there will be no ongoing maintenance requirements or costs.

Describe all Benefits and/or Savings:

A new roof system will provide for a weather tight facility and increased insulation levels will help in reducing energy consumption and corresponding costs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering		$ 6,000				$ 6,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 115,000				$ 115,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 121,000	$ 0	$ 0	$ 0	$ 121,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 121,000				$ 121,000
TOTALS	$ 0	$ 121,000	$ 0	$ 0	$ 0	$ 121,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Fire Department- Pave Parking Lot, Main Fire Station **DATE SUBMITTED:** 9-8-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☐ **FY20** ☑ **FY21** ☐

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

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

PROJECT DESCRIPTION

The asphalt parking lot at fire headquarters is cracking and experiencing normal deterioration based on it being in place since 1999. The weight of fire trucks and other apparatus further contributes to the parking lots deterioration. This project would entail the removal of the existing asphalt, compaction of the material underneath, the installation of a new asphalt base course and top coat, and stripping and lining of the lot.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended the existing lot will need crack sealing in the short term, patching of cracked and loose asphalt over time, and possible replacement of the sub-material if deterioration is significant.

Cost to Maintain:

Once installed the new parking lot will require no maintenance with the exception of sweeping and plowing.

Describe all Benefits and/or Savings:

The new paved lot will provide a safe and watertight surface for vehicles including heavy fire apparatus.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering				$ 5,000		$ 5,000
Site Acquisition						$ 0
Site Improvements				$ 75,000		$ 75,000
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 80,000	$ 0	$ 80,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation				$ 80,000		$ 80,000
TOTALS	$ 0	$ 0	$ 0	$ 80,000	$ 0	$ 80,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Fire Department- Upgrade Vehicle Exhaust Systems, Main & Florence Stations **DATE SUBMITTED:** 9-8-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☑ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project would upgrade the Plymo-Vent exhaust systems at each station. The system connects to the exhaust system of each vehicle, exhausts particulates to the exterior when the apparatus is running inside the buildings, and automatically releases as the vehicle leaves. The systems are approximately 15 years old and are beginning to need repairs. The existing exterior exhaust system would continue to be used and the flexible hoses, connectors and retractable devices would be replaced. A total of 12 units would be replaced.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering			$ 4,000			$ 4,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction			$ 121,000			$ 121,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 125,000	$ 0	$ 0	$ 125,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation			$ 125,000			$ 125,000
TOTALS	$ 0	$ 0	$ 125,000	$ 0	$ 0	$ 125,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Forbes - Architecture/Engineering Study for window replacement and climate control special collections

DATE SUBMITTED: 3/1/2016

DEPARTMENT PROJECT INFORMATION

Department: Central Services

Department Contact: David Pomerantz

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Forbes Library has requested replacement of its 133 single pane original windows, many from when it was built in 1893. Many of the windows no longer close securely, are leaky and have little insulation value. Many have no exterior storm windows. Forbes also houses not only a large and irreplaceable collection of historical material for Hampshire County, but also the only Presidential Library (Calvin Coolidge) and Museum held by a public library. Sound stewardship of archival materials requires that they be housed in climate controlled rooms with nonfluctuating temperature and humidity. Currently the HVAC system serving the special collections is for the entire building. This project would fund architectural plans for the retrofitting/replacement of the library's windows and engineering plans for the development of an HVAC solution for the special collections room.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended the windows will continue to deteriorate costing more to replace in the future and the special collections will be subject to deterioration.

Cost to Maintain:

New windows will reduce maintenance on the old windows.

Describe all Benefits and/or Savings:

Long term energy needs for the library should be reduced with the installation of new windows and separating the HVAC system for the special collections room.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering	$ 100,000					$ 100,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 100,000	$ 0	$ 0	$ 0	$ 0	$ 100,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 100,000					$ 100,000
TOTALS	$ 100,000	$ 0	$ 0	$ 0	$ 0	$ 100,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: City Hall- Foundation Work **DATE SUBMITTED:** 9-8-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

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

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

Once the work was completed there would be no maintenance costs.

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering		$ 5,000				$ 5,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 55,000				$ 55,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 60,000	$ 0	$ 0	$ 0	$ 60,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 60,000				$ 60,000
TOTALS	$ 0	$ 60,000	$ 0	$ 0	$ 0	$ 60,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Memorial Hall- Interior Painting **DATE SUBMITTED:** 9-8-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 58,000				$ 58,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 58,000	$ 0	$ 0	$ 0	$ 58,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 58,000				$ 58,000
TOTALS	$ 0	$ 58,000	$ 0	$ 0	$ 0	$ 58,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Memorial Hall- Replace Asphalt Roof **DATE SUBMITTED:** 9-8-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☐ **FY20** ☑ **FY21** ☐

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

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

PROJECT DESCRIPTION

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering				$ 5,000		$ 5,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction				$ 120,000		$ 120,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 125,000	$ 0	$ 125,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation				$ 125,000		$ 125,000
TOTALS	$ 0	$ 0	$ 0	$ 125,000	$ 0	$ 125,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Energy Resiliency Upgrades- Transfer Switches & Mobile Generators **DATE SUBMITTED:** 9-8-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☑ **FY20** ☑ **FY21** ☐

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

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

PROJECT DESCRIPTION

Based on ongoing work to implement programs that would allow the city to continue to provide critical services and keep key facilities in operation during power outages, this multi-year project would create a supply of mobile generators that could be moved among buildings as needed. The project would involve internal wiring upgrades and the installation of transfer switches at various city and school facilities, and the purchase of various sized generators on trailers. Wiring upgrades would be made at the High School and JFK Middle School, which are designated back-up shelters to Smith Vocational High School, and the installation of transfer switches at City Hall, Memorial Hall and the four elementary schools.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If recommended, this project will move the city forward in its ability to provide critical services during power outages of various durations. The work here would dovetail with other efforts being made.

Cost to Maintain:

Once in place, ongoing maintenance costs would include annual preventative maintenance and service and regular testing of equipment.

Describe all Benefits and/or Savings:

Based on the outage, its duration and accompanying issues buildings would be able to be kept in operation which would allow the city to address both emergency and daily operations and needs.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering		$ 5,000				$ 5,000
Site Acquisition						$ 0
Site Improvements		$ 10,000				$ 10,000
Construction		$ 35,000				$ 35,000
Inspection Services						$ 0
Equipment & Furnishings			$ 50,000	$ 50,000		$ 100,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 50,000	$ 50,000	$ 50,000	$ 0	$ 150,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 50,000	$ 50,000	$ 50,000		$ 150,000
TOTALS	$ 0	$ 50,000	$ 50,000	$ 50,000	$ 0	$ 150,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Parking Garage Repairs: Levels 2 & 3 **DATE SUBMITTED:** 9-9-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project would address needed repairs and deferred maintenance of the garage structure and build on efforts completed over the last three years. The project this year would remove and replace sealant at pre-cast floor joints on Levels 2 and 3; remove and replace sealant at pre-cast facade joints; and include further waterproofing at various levels of the garage structure.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended, these items will further deteriorate which will require more work to address them down the road and subsequent higher costs.

Cost to Maintain:

Once completed, there will be no detailed maintenance needs on top of ongoing preventative maintenance.

Describe all Benefits and/or Savings:

Addressing these deferred maintenance items will protect the structural integrity of the garage structure, reduce deterioration of components, and ensure a safe environment for vehicles and pedestrians.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering	$ 15,000					$ 15,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 185,000					$ 185,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 200,000	$ 0	$ 0	$ 0	$ 0	$ 200,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 200,000					$ 200,000
TOTALS	$ 200,000	$ 0	$ 0	$ 0	$ 0	$ 200,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Gare Parking Garage- Waterproofing **DATE SUBMITTED:** 9-9-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

To protect the lower level elevator mechanical area, the lower level equipment storage and work areas, and the garage generator, along with the main level of the garage which has the most traffic and has had a substantial amount of structural repairs, the second level surface would be prepped and waterproofed. The area was waterproofed at some point but the sealant has deteriorated with age.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommend, the newly repaired concrete and structural components, along with lower level mechanical and storage areas could suffer water damage.

Cost to Maintain:

Once completed, there will be no detailed maintenance needs on top of ongoing preventative maintenance.

Describe all Benefits and/or Savings:

Addressing this area will protect the structural integrity of the garage, reduce deterioration of components, and ensure a safe environment for vehicles and pedestrians.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering		$ 10,000				$ 10,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 145,000				$ 145,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 155,000	$ 0	$ 0	$ 0	$ 155,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 155,000				$ 155,000
TOTALS	$ 0	$ 155,000	$ 0	$ 0	$ 0	$ 155,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Gare Parking Garage- Repairs to Drainage System **DATE SUBMITTED:** 9-9-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The existing, original multi-level building drainage system would be repaired and upgraded under this project. Deteriorated piping and joints would be replaced, the drainage system would be cleaned and sealed, and floor drain assemblies would be replaced and sealed. Currently, there is evidence of deterioration of some of the cast iron piping and there are leaks at various joints.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended, these items will further deteriorate which will require more work to address them down the road and subsequent higher costs.

Cost to Maintain:

Once completed, there will be no detailed maintenance needs on top of ongoing preventative maintenance.

Describe all Benefits and/or Savings:

Addressing these items will protect the structural integrity of the garage structure, reduce deterioration of components, and ensure a safe environment for vehicles and pedestrians.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering	$ 10,000					$ 10,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 80,000					$ 80,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 90,000	$ 0	$ 0	$ 0	$ 0	$ 90,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 90,000					$ 90,000
TOTALS	$ 90,000	$ 0	$ 0	$ 0	$ 0	$ 90,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Leeds: Replace Rubber & Ballasted Roofs **DATE SUBMITTED:** 9-11-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☑ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This multi-year project would replace multiple roofs at the Leeds school. These roofs are at the end of their useful life spans and need to be replaced. There is a 6,000 sf. section of rubber roofing over the kindergarten rooms that was installed in 1991 that needs replacing, and there is 7,800 sf. of multi-level ballasted roofing that needs to be replaced at the rear of the building.

Work would include stripping the roofs, installing new insulation where necessary, installing new 25-year rubber roofing along as well as perimeter metal trim and flashing.

Work would also include architectural design and construction administration.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If recommended replacing the multiple roofs would end ongoing leaks and required patching, especially over the kindergarten classrooms.

Cost to Maintain:

Post installation, the only required maintenance would be keeping the roofs and roof drains clear of debris.

Describe all Benefits and/or Savings:

Will eliminate and/or prevent water problems and building degradation.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering		$ 8,000	$ 11,000			$ 19,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 112,000	$ 145,000			$ 257,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 120,000	$ 156,000	$ 0	$ 0	$ 276,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 120,000	$ 156,000			$ 276,000
TOTALS	$ 0	$ 120,000	$ 156,000	$ 0	$ 0	$ 276,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Bridge Street- Replace Rubber Roofing & Rebuild Parapet **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☑ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Approximately 350 lf of brick roof parapet needs to be rebuilt, and about 10,000 sf of rubber roof needs to be replaced on the original section of the school. The work would be divided into two phases with the first phase covering the architectural work for construction documents for both the new parapet and roof work, along with doing the parapet work. The second phase of work would cover the replacement of the rubber roofing. 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.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Mortar is deteriorating on the parapet brick and it should be rebuilt to prevent further damage and water seepage which can get into the roof system. The rubber roofing is being patched as needed.

Cost to Maintain:

Once completed there will be no ongoing maintenance costs.

Describe all Benefits and/or Savings:

Completing the work will ensure an intact roof for years and will eliminate water problems and building degradation for the areas effected by any current leaks.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering		$ 10,000				$ 10,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 115,000	$ 135,000			$ 250,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 125,000	$ 135,000	$ 0	$ 0	$ 260,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 125,000	$ 135,000			$ 260,000
TOTALS	$ 0	$ 125,000	$ 135,000	$ 0	$ 0	$ 260,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Leeds: Repair Main Chimney **DATE SUBMITTED:** 9-11-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The chimney associated with the boiler and hot water systems is in need of repair. There are loose bricks that need replacing and parts of the chimney need re-pointing based on deteriorating mortar. The deteriorated brick would be removed and replaced and the overall chimney would be repointed.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended brick and mortar will continue to deteriorate. Patching at this point is not an option since about 450-500 brick need to be replaced.

Cost to Maintain:

Once completed, there will be no ongoing maintenance costs.

Describe all Benefits and/or Savings:

Since this chimney vents the hot water and heating systems having a secure and waterproof chimney is a priority.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 25,000					$ 25,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 25,000	$ 0	$ 0	$ 0	$ 0	$ 25,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 25,000					$ 25,000
TOTALS	$ 25,000	$ 0	$ 0	$ 0	$ 0	$ 25,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Leeds- Repave Parking Lots **DATE SUBMITTED:** 9-11-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☑ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The asphalt is severely cracked and deteriorated throughout the parking lots. All material would be removed, required grading work would be done, and new asphalt base and binder coats for parking areas would be installed. Where needed, line stripping would be done. This would be a two year project doing the front parking lot section one year and the lower-side parking lot section the next.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended the paved lot and parking areas will continue to deteriorate so that sub-base and structural material under the asphalt may need to be replaced before paving.

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering		$ 5,000				$ 5,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 75,000	$ 98,000			$ 173,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 80,000	$ 98,000	$ 0	$ 0	$ 178,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 80,000	$ 98,000			$ 178,000
TOTALS	$ 0	$ 80,000	$ 98,000	$ 0	$ 0	$ 178,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: High School: Brick Facade Repairs **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Upper sections of the brick veneer around the original and new areas of the high school are showing evidence of loose and bulging brick and/or loss of mortar. At this point it's unclear what's causing the problems (water seepage, movement of the building, roof flashing issues) and what the correct fixes area (waterproofing, replacing brick and mortar, roof flashing work. The first part of this project will involve an engineering assessment and development of options. Because of the location of the problem brick staging or a telescoping lift will be required for the engineering work and this will add to the cost. The second part of the project will involve the actual work prescribed in the assessment.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommend, additional damage to the brick may occur which could result in damage to the building, the need for more work and potential water seepage in the building.

Cost to Maintain:

Once completed there would be no costs to maintain the work performed.

Describe all Benefits and/or Savings:

Key benefits include proper sealing and protection of the building and the prohibition of water seepage and damage to the building.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering	$ 40,000		$ 85,000			$ 125,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 40,000	$ 0	$ 85,000	$ 0	$ 0	$ 125,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 40,000		$ 85,000			$ 125,000
TOTALS	$ 40,000	$ 0	$ 85,000	$ 0	$ 0	$ 125,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: High School: Energy Management System Upgrades **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Under this project work continues on a multi-year/multi-phase upgrade, expansion and replacement of energy management system controls at the High School. This work builds on the work completed in the first two phases where controls, graphics and components that were failing, outdated and could no longer be repaired were replaced. Under this phase hardware and software communications systems will be upgraded, and unit ventilators VAV boxes and fin tube radiation controls also will 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 High School is one of the largest energy users (electricity and natural gas) so having in-depth control of the building heating, cooling and occupancy systems will result in consumption savings, lower costs and a healthier building.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 115,000	$ 80,000				$ 195,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 115,000	$ 80,000	$ 0	$ 0	$ 0	$ 195,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 115,000	$ 80,000				$ 195,000
TOTALS	$ 115,000	$ 80,000	$ 0	$ 0	$ 0	$ 195,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: JFK- Tennis Court Resurfacing **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The existing tennis courts at the school were constructed in 1996. The surface finish is wearing and the courts are cracking in places. The surfaces was re-coated about five years ago to prolong the courts life span but redoing the courts at some point was assumed. This work would entail structural repairs to the courts to address small to significant cracking and would be followed by the resurfacing and sealing of the six courts. The courts are used for school and recreation department programs and by the city population. Some of the courts are getting close to not being usable due to cracking.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended the courts will continue to deteriorate and may reach the point where they cannot be used for school and recreation activities. If not addressed eventual repairs will be that much costly.

Cost to Maintain:

Once completed there will be no maintenance costs moving forward.

Describe all Benefits and/or Savings:

Redoing the courts at this point will provide for usable facilities for years to come.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 45,000					$ 45,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 45,000	$ 0	$ 0	$ 0	$ 0	$ 45,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 45,000					$ 45,000
TOTALS	$ 45,000	$ 0	$ 0	$ 0	$ 0	$ 45,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Jackson Street School: Replace Exterior Stairs **DATE SUBMITTED:** 9-24-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Funds were appropriated in FY 16 for the replacement of two sets of exterior stairs. The original concrete stairs are deteriorated and need replacing. Once design began it was decided to make one of the sets of stairs be an accessible handicap ramp with stairs since there is no accessible entrance/exit at the end of the building where the stair/ramp system would be located. This funding would be to cover the additional construction and site work for the ramp and stair system.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended the existing stairs will continue to deteriorate and settle.

Cost to Maintain:

No costs to maintain post construction.

Describe all Benefits and/or Savings:

The stairs will provide safe access and egress in and out of the building as well as accessible access at that end of the building.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 50,000					$ 50,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 50,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 50,000					$ 50,000
TOTALS	$ 50,000	$ 0	$ 0	$ 0	$ 0	$ 50,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: District Wide- Security Access Upgrades **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Security access systems were installed on the four elementary schools and at the JFK Middle School in FY 2008. Based on aging components, required repairs, and upgrades in technology, the systems would be replaced starting in FY 2017. Three of the elementary schools would be done in FY 17 and the remaining elementary school and JFK Middle School would be done in FY 18 (a security access system was installed at the High School in FY 16). Along with hardware upgrades the new systems would include on line enabled management software so that control and maintenance could be done remotely from Central Services. Upgrades to perimeter door locks would also be done as needed.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Required components might no longer available from the manufacturer over time. This could result in failure of the FOB based entry for employees or issues with the school office monitoring equipment.

Cost to Maintain:

Minimal maintenance costs to maintain after installation.

Describe all Benefits and/or Savings:

Upgrades would provide a more robust, Ethernet based, up-to-date security system eliminating the need to physically go to a school to make modifications to hardware or modify door schedules. Hardware failures would be minimized.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 40,000	$ 40,000				$ 80,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 40,000	$ 40,000	$ 0	$ 0	$ 0	$ 80,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 40,000	$ 40,000				$ 80,000
TOTALS	$ 40,000	$ 40,000	$ 0	$ 0	$ 0	$ 80,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: JFK- Exterior Facade Repairs **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☑ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

No ongoing maintenance costs if the project is funded.

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction			$ 45,000			$ 45,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 45,000	$ 0	$ 0	$ 45,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation			$ 45,000			$ 45,000
TOTALS	$ 0	$ 0	$ 45,000	$ 0	$ 0	$ 45,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: JFK- Locker Replacement, Pool Area **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☑ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The original (1996) metal lockers are at the end of their life cycle. The lockers were electro-statically painted approximately eight years ago. The units are degraded and rusting and are presenting safety issues. The existing units in the boys and girls locker rooms would be removed and replaced with fiberglass composite units which is the material used today. In each locker room 182 units will be replaced under this project. Along with the new lockers wooden rails with coat hooks for backpacks.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended school maintenance and custodial staff will need to do ongoing maintenance to address the deteriorating lockers.

Cost to Maintain:

Installing new lockers will result in no ongoing maintenance costs.

Describe all Benefits and/or Savings:

The new lockers would be safe to use (no metal edges or ongoing rust issues). Installing fewer lockers and installing coat and bag hooks would provide usable areas for students to hang items.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings		$ 50,000	$ 50,000			$ 100,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 50,000	$ 50,000	$ 0	$ 0	$ 100,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 50,000	$ 50,000			$ 100,000
TOTALS	$ 0	$ 50,000	$ 50,000	$ 0	$ 0	$ 100,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: JFK- Pool Tile Repair **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☑ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction			$ 50,000			$ 50,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 50,000	$ 0	$ 0	$ 50,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation			$ 50,000			$ 50,000
TOTALS	$ 0	$ 0	$ 50,000	$ 0	$ 0	$ 50,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: JFK- Security Upgrades to Main Lobby Area **DATE SUBMITTED:** 9-24-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project would cover renovations to the main lobby area which would serve to increase security in the school. Renovations would be based on architectural work yet to be done. The intent would be to have anyone entering the building after being cleared through the building access system to go through the principals offices before proceeding any where else in the building.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Not doing the work could result in security issues not being addressed.

Cost to Maintain:

No additional costs for maintenance following renovations.

Describe all Benefits and/or Savings:

The key benefit would be increased security in the building.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 100,000				$ 100,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 100,000	$ 0	$ 0	$ 0	$ 100,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 100,000				$ 100,000
TOTALS	$ 0	$ 100,000	$ 0	$ 0	$ 0	$ 100,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Ryan Road- Front Sidewalks and Curbing **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

No cost to maintain.

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction				$ 80,000		$ 80,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 80,000	$ 0	$ 80,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation				$ 80,000		$ 80,000
TOTALS	$ 0	$ 0	$ 0	$ 80,000	$ 0	$ 80,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Ryan Road- Cafeteria Tables **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project would replace older cafeteria tables at Ryan Road school. The original metal-formica-plastic tables are in rough condition and are hard to move around and open and close. The existing 16 tables would be replaced with new units with plastic seating with laminate tops and metal frames.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended getting parts for the original existing tables may become more difficult.

Cost to Maintain:

Minimal to no costs to maintain the new tables.

Describe all Benefits and/or Savings:

New tables would be easier to move, open and close.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
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
TOTALS	$ 0	$ 20,000	$ 0	$ 0	$ 0	$ 25,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 20,000				$ 20,000
TOTALS	$ 0	$ 20,000	$ 0	$ 0	$ 0	$ 20,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Ryan Road- Replace Gym Floor **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project would cover the replacement of the original vinyl gym flooring material. The existing flooring material contains asbestos which would have to be abated as part of removal. A heavy duty rubber sheet good material would be installed after abatement.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

School maintenance staff has been patching in loose tiles for some time and this will only increase as the floor ages further.

Cost to Maintain:

Beyond standard cleaning and sealing a new floor would require little maintenance.

Describe all Benefits and/or Savings:

A new floor would be secure and intact, would not lead to possible tripping hazards, and would cost less to maintain.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 0	$ 55,000			$ 55,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 55,000	$ 0	$ 0	$ 125,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation			$ 55,000			$ 55,000
TOTALS	$ 0	$ 0	$ 55,000	$ 0	$ 0	$ 55,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Ryan Road- Upgrade Bathrooms **DATE SUBMITTED:** 9-25-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☑ **FY20** ☑ **FY21** ☐

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

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

PROJECT DESCRIPTION

The 6 boys and girls bathrooms need upgrading. Partitions were installed in a previous project so this project would cover the installation of new plumbing. Lighting would be upgraded as needed, new ceilings would be installed and the spaces would be painted. Along with upgrades to the boys and girls bathrooms the faculty, nurses, guidance, kitchen and locker room bathrooms would also be upgraded. Work would be spread out over a three year period.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

No additional costs to maintain post construction.

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 45,000	$ 45,000	$ 60,000		$ 150,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 45,000	$ 45,000	$ 60,000	$ 0	$ 150,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 45,000	$ 45,000	$ 60,000		$ 150,000
TOTALS	$ 0	$ 45,000	$ 45,000	$ 60,000	$ 0	$ 150,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Leeds-Jackson-Ryan: Paint Gymnasiums **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☑ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The walls of the gymnasiums at Leeds, Ryan Road and Jackson Street schools are in need of painting. All surfaces would be scraped, patched and primed, and would receive two finish coats of paint. Maintenance staff cannot undertake this project in house.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended surfaces will peel and stain. If not painted, surfaces can deteriorate further which will require more preparation time when painting is done.

Cost to Maintain:

Once completed the only required maintenance would be cleaning.

Describe all Benefits and/or Savings:

Painting will provide clean and attractive spaces.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction			$ 30,000			$ 30,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 30,000	$ 0	$ 0	$ 30,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation			$ 30,000			$ 30,000
TOTALS	$ 0	$ 0	$ 30,000	$ 0	$ 0	$ 30,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: HVAC Van Replacement **DATE SUBMITTED:** 9-14-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The HVAC technician currently drives a 2006 Ford van that has approximately 97,000 miles on it. While repairs have been minimal to date the vehicle should be traded in during the next year or so based on estimated additional miles and repairs. Along with the new van, a security alarm would be installed, the vehicle would be lettered and some shelving for storage would be included. The intent would be to utilize a portion of the shelving and racks in the current van for the new vehicle.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Continued repair costs. Possibility of losing an essential part of transportation for technician and associated tools.

Cost to Maintain:

Routine maintenance.

Describe all Benefits and/or Savings:

Benefits include improved safety, efficiency, and reliable transportation for the HVAC technician to handle work orders and emergencies throughout the city.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase		$ 25,000				$ 25,000
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 25,000	$ 0	$ 0	$ 0	$ 25,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation			$ 25,000			$ 25,000
TOTALS	$ 0	$ 0	$ 25,000	$ 0	$ 0	$ 25,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Ryan Road Kitchen Remodel **DATE SUBMITTED:** 10/5/2015

DEPARTMENT PROJECT INFORMATION

Department: Northampton Public Schools

Department Contact: John Tranfaglia and Candice Walczak

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The kitchen at RKF Ryan Road School is outdated and inefficient. The two sink configuration limits the ability of staff to prepare meals, the dishwasher was inoperable and removed, and the current layout does not allow for the dishwasher to be replaced. Ryan Road is one of two schools that has not been renovated in the past 25 years. The proposal is to expand and reconfigure the kitchen layout and equip it with all new equipment. A preliminary estimate done in Fy2011 was that it would cost approximately $110-140,000. We are trying to get more current estimates in writing, without hiring a designer, but at this time we are estimating the cost at $150-$200,000.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The staff will continue to work with outdated equipment and layouts, and will continue to do more work by hand, such as dish washing.

Cost to Maintain:

There will be less repairs on new equipment, and a projected savings in utilities due to the more energy efficient equipment on the market today.

Describe all Benefits and/or Savings:

It will enhance the dining experience for students and staff at RKF Ryan Road School. The new layout and equipment will improve the ability of the staff to prepare and serve meals, and clean up after meals.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$50,000				$ 50,000
Inspection Services						$ 0
Equipment & Furnishings		$ 150,000				$ 150,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 200,000	$ 0	$ 0	$ 0	$ 200,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 200,000				$ 200,000
TOTALS	$ 0	$ 200,000	$ 0	$ 0	$ 0	$ 200,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: NPS Bus Replacement **DATE SUBMITTED:** 10/5/2015

DEPARTMENT PROJECT INFORMATION

Department: Northampton Public Schools

Department Contact: Joy Winnie or Candice Walczak

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☑

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

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

PROJECT DESCRIPTION

NPS operates 3 buses on a daily basis, and retains 3 buses as spares. Because these vehicles transport students 180 days per year, it is important that they be in good condition. The School Dept is working to more regularly replace them.

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

NPS purchased one bus through it's bus revolving account in FY15, and has received a capital appropriation in FY16 to fund a portion of a 2nd new bus, with the balance to come from the bus revolving account.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The vehicles will continue to get older, requiring more repairs and possibly more breakdowns.

Cost to Maintain:

A new vehicle will cost substantially less than the vehicle currently being used, but there will still be ongoing mtn costs for any bus. All IC buses come with a five year warranty on the body and engine.

Describe all Benefits and/or Savings:

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

- Note: because we will have replaced 2 buses by the end of FY16, and hoping to replace a 3rd bus in FY18, we changed our request for the next bus from FY20 to FY21.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase			$ 110,000		$ 120,000	$ 230,000
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 110,000	$ 0	$ 120,000	$ 230,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)			$ 50,000		$ 60,000	$ 110,000
City Appropriation			$ 60,000		$ 60,000	$ 120,000
TOTALS	$ 0	$ 0	$ 110,000	$ 0	$ 120,000	$ 230,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Grounds Operations- New Truck **DATE SUBMITTED:** 9-15-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

A pick up truck used by the Grounds Department, which is used for all types of work including plowing, will be ready for replacement by FY-18. The existing truck is a diesel Ford F350 and has about 95,000 miles on it. The new truck, a Ford F350 with a gas engine, would include a plow package. The existing truck would be traded in due to the existing economic value and condition of the vehicle.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

Routine maintenance costs.

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase		$ 60,000				$ 60,000
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 60,000	$ 0	$ 0	$ 0	$ 60,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 60,000				$ 60,000
TOTALS	$ 0	$ 60,000	$ 0	$ 0	$ 0	$ 60,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Grounds Operations- New Mower **DATE SUBMITTED:** 9-15-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The existing Grounds Dept. 5' (Skag) mower currently has 900 hours of run time on it and should be traded in while it still has good value. The new mower would be a 61" Skag.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not recommended downtime and repair costs will inevitably increase on the existing mower inhibiting the Grounds Department from performing their regularly scheduled mowing program.

Cost to Maintain:

A new mower would be more efficient and significantly reduce maintenance/repair costs compared to an older mower. Availability of parts as needed is increased with a newer unit.

Describe all Benefits and/or Savings:

Replacing the mower and not using it until it no longer works will result in a higher trade in value. A new mower would reduce/eliminate down time for repairs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings		$ 19,000				$ 19,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 19,000	$ 0	$ 0	$ 0	$ 19,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 19,000				$ 19,000
TOTALS	$ 0	$ 19,000	$ 0	$ 0	$ 0	$ 19,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Dispatch Radio Consoles **DATE SUBMITTED:** 9/17/15

DEPARTMENT PROJECT INFORMATION

Department: Northampton Public Safety Communications

Department Contact: Kelly Banister

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Currently the communications center utilizes 3 base radio consoles originally purchase in 1999 to facilitate communication to the Police, Fire, Emergency Medical Service, Department of Public Works, schools, parking and other Western Massachusetts Law Enforcement and Fire agencies. These radio consoles allow Dispatchers to dispatch responders to call for service from the public; communicate with responders and to react to distress calls; coordinate with other communities for mutual aid requests; monitor and receive emergency radio transmissions from city schools; after hours communication for the DPW. The consoles are the critical link between multiple city agencies.
The radio consoles are PC based and technology is constantly evolving and improving. The consoles have received costly upgrades throughout the sixteen years with the last update performed this year costing $30,000. The equipment has now become obsolete and the manufacturers are no longer producing the parts needed to service the consoles.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If the consoles are not replaced it may result in partial or complete failure. This will put responders lives at risk and significantly delay responses to emergency and non-emergency calls for service.

Cost to Maintain:

Currently the maintenance is included with a contract with a vendor for general maintenance and repair. Replacing our failing consoles would reduce costly upgrades and repair not covered.

Describe all Benefits and/or Savings:

New consoles will bring the technology up to date allowing for future improvements and vital upgrades to the overall radio systems. Switching to IP based console will also now allow Dispatchers to relocate to another location if an evacuation is necessary. Upgrades will include configuration of two laptops, supplied by us, to be used as mobile radio consoles. This will allow Dispatchers to be fully equipped with radios at alternate locations for large scale events and can supply the EOC a radio console.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 375,000					$ 375,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 375,000	$ 0	$ 0	$ 0	$ 0	$ 375,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 375,000					$ 375,000
TOTALS	$ 375,000	$ 0	$ 0	$ 0	$ 0	$ 375,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Radio Study **DATE SUBMITTED:** 9/17/15

DEPARTMENT PROJECT INFORMATION

Department: Northampton Public Safety Communications

Department Contact: Kelly Banister

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Radio Communications used by all major city departments are not optimal and radio transmissions are often interrupted by interference and/or failure in system hardware. Police, Fire, Dispatch, Department of Public Works, Central Services, Schools, and Parking have formed a committee to identify strengths and deficiencies in our individual radio systems. A study should be conducted by a consultant to identify and prioritize projects to harden the system; key tower locations; expandability and overall strengthening of the communications systems. This project is just for the study to identify future needs of all of the city's departments to ensure safety of personnel and optimize communications.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

This study will assist members in identifying necessary changes and to prioritize improvements.

Cost to Maintain:

This is a fee for service and should not require additional funding. Out proposal is just for conducting the study.

Describe all Benefits and/or Savings:

The study will give the committee a direction to focus attention on to overall improve communications for city departments. This will also dictate future Capital Projects.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study	$ 25,000					$ 25,000
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 25,000	$ 0	$ 0	$ 0	$ 0	$ 25,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 25,000					$ 25,000
TOTALS	$ 25,000	$ 0	$ 0	$ 0	$ 0	$ 25,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Radio Hardware **DATE SUBMITTED:** 9/17/15

DEPARTMENT PROJECT INFORMATION

Department: Northampton Public Safety

Department Contact: Kelly Banister

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

As part of the overall upgrade and improvements to the current radio system, Police, Fire, Communications, DPW, Schools and Parking will have a consultant identify a plan for improvement. A necessary part of the improvement is to replace equipment and systems based on the study performed in FY17. Funding will be sought for the implementation stages but cannot be quantified prior to the study being performed.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

The overall goal of this project is to reduce the City's cost associated with maintaining all radio systems.

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings		$ 200,000				$ 200,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 200,000	$ 0	$ 0	$ 0	$ 200,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 200,000				$ 200,000
TOTALS	$ 0	$ 200,000	$ 0	$ 0	$ 0	$ 200,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Watershed Land Acquisition **DATE SUBMITTED:** 9/15/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: Jim Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Land acquisition is an important part of the Northampton Watershed Resource Protection Plan (WRPP) which is designed to protect raw water quality within the watersheds associated with the active drinking water reservoirs. The WRPP identifies natural characteristics and land use activities within the watershed that may pose a threat to surface water supplies; details existing programs or activities to control natural characteristics and/or land use activities that may negatively affect water quality; and outlines an action plan for the next five years to minimize any potential threats to water quality.

All priority parcels on the map are based on proximity to the reservoirs, tributary to the reservoirs, and surface water protection zones. This budget is intended to fund acquisition of priority parcels as they become available. In addition the DPW applies for 50% reimbursement grants from the State and have received over $400,000 since 2011.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

May impact the quality of the City's drinking water supply if not funded.

Cost to Maintain:

Nominal increase as we already maintain surrounding land.

Describe all Benefits and/or Savings:

Drinking water is one of the most precious resources we have. Beginning in 1870's the Water Commissioners had the vision to create the resources the City has now. Public Works continues to ensure that high quality water continues for the next generations in our City.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 1,000,000
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 1,000,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 1,000,000
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 1,000,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Radio Read Program **DATE SUBMITTED:** 2/18/16

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

No funding would stop the program that will help automate meter reading.

Cost to Maintain:

Nominal cost.

Describe all Benefits and/or Savings:

Will greatly reduce cost to read water meters.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 500,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 500,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 500,000
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 500,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Meter Replacement **DATE SUBMITTED:** 2/18/16

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Old meters, if not replaced, under record water use resulting in underbilling for water usage.

Cost to Maintain:

Nominal.

Describe all Benefits and/or Savings:

Accurate meters allow for accurate billing.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 375,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 375,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 375,000
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 375,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Water Line Replacement **DATE SUBMITTED:** 09/29/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Public Works continues to work on the Water Asset Management Plan for water pipeline replacement projects. The improvements to be undertaken are to enhance the utilities that include new construction, replacement or upgrades identified each year.

New water line projects to be completed with this funding include Day Avenue, Damon Road, portions of North Farms Road and North Maple Street. Past and current projects funded include Pine Street Bridge Crossing, Winslow Avenue, Hinckley Street and North Street water lines.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Failure of existing systems predominately due to age. New construction and replacement provides for the next generations of City residents, business and Public Works staff with lower future maintenance.

Cost to Maintain:

Currently in the Public Works annual operations and maintenance budget. 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 are upgraded allowing for proper water flows including fire fighting needs.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering	$ 135,000					$ 135,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 775,000	$ 800,000	$ 400,000	$ 400,000	$ 400,000	$ 2,775,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 910,000	$ 800,000	$ 400,000	$ 400,000	$ 400,000	$ 2,910,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 1,600,000	$ 1,200,000	$ 605,000	$ 400,000	$ 400,000	$ 4,205,000
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 1,600,000	$ 1,200,000	$ 605,000	$ 400,000	$ 400,000	$ 4,205,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Hydrant Replacement **DATE SUBMITTED:** 2/18/16

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Annual funding for hydrant replacement program to replace old and non-functional hydrants.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Not replacing non-functioning hydrants increases the risks of fire protection for the City.

Cost to Maintain:

Nominal.

Describe all Benefits and/or Savings:

Fire protection.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 150,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 150,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 150,000
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 150,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Reservoir Construction **DATE SUBMITTED:** 10/02/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James Laurila

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☐ **FY20** ☑ **FY21** ☑

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

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

PROJECT DESCRIPTION

Phase II engineering studies of the City's drinking water supply reservoirs are completed. The Mountain Street, West Whately and Ryan reservoirs have noted deficiencies that need to be corrected. The estimated engineering and construction costs of upgrades is $11,000,000. West Whately and Ryan Reservoirs are scheduled first and then Mountain Street in a five year plan (FY20-FY24).

The Roberts Meadow Middle and Lower reservoirs have an estimated construction cost of $5,850,000. The Upper Roberts Meadow Reservoir is scheduled for decommissioning and is already budgeted in prior years. This reservoir system is currently an emergency backup supply. This work is not in the five year plan but will be undertaken in future plans.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Dams currently do meet Office of Dam Safety requirements and may fail during a large storm events. At this time the work has not been mandated by the State.

Cost to Maintain:

In current operations and maintenance budget

Describe all Benefits and/or Savings:

Ensure that the City's drinking water supplies meet current engineering safety standards.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering				$ 730,000		$ 730,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction					$ 3,000,000	$ 3,000,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 730,000	$ 3,000,000	$ 3,730,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds				$ 950,000	$ 3,500,000	$ 4,450,000
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 950,000	$ 3,500,000	$ 4,450,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Granular Activated Carbon **DATE SUBMITTED:** 9/21/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

The granular activated carbon (GAC) in the filter beds at the Water Treatment Plant has a five-year life cycle. A portion of the total replacement cost is set aside each year to allow for gradual accumulation of the replacement cost to replace the GAC. The total cost to replace the GAC in FY2014 was $286,228.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Without yearly set aside in the budget to accumulate the funds will result in a higher one time increase in user rates every five (5) years.

Cost to Maintain:

Not Applicable - replacement cost

Describe all Benefits and/or Savings:

Ensure regulatory compliance and high quality drinking water to the City.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 400,000
Contingency						$ 0
TOTALS	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 400,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 400,000
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 400,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Replace Control and Measuring Equipment **DATE SUBMITTED:** 2/18/16

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

In the water enterprise utility, at the water treatment plant. Annual funding for planned and emergency work related to controls and measuring equipment. Typical use may be to replace failed electronic valving and related equipment.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

varies.

Describe all Benefits and/or Savings:

Funding needed to maintain operations and the treatment plant.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 300,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 300,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 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
TOTALS	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 300,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Replace Equipment Technology **DATE SUBMITTED:** 2/18/16

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Related to operations of the water system including supply wells, pumps and storage tanks. Planned and emergency replacement of equipment and technology that may be related to such items as SCADA and communication equipment or other computer related devices.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Needed to maintain well run water system.

Cost to Maintain:

Varies.

Describe all Benefits and/or Savings:

Maintaining water system.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 18,000	$ 18,000	$ 18,000	$ 18,000	$ 18,000	$ 90,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 18,000	$ 18,000	$ 18,000	$ 18,000	$ 18,000	$ 90,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 18,000	$ 18,000	$ 18,000	$ 18,000	$ 18,000	$ 90,000
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 18,000	$ 18,000	$ 18,000	$ 18,000	$ 18,000	$ 90,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Water Improvements **DATE SUBMITTED:** 2/18/16

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Annual funding for miscellaneous equipment and supplies for the operations of the water system.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Needed to maintain the water system.

Cost to Maintain:

Varies.

Describe all Benefits and/or Savings:

Needed to maintain water system.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 50,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 50,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 50,000
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 50,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Vehicle Replacement **DATE SUBMITTED:** 10/02/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Please see attached document.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Public Works needs to continue a reasonable replacement program for its equipment.

Cost to Maintain:

Should provide a decrease in equipment maintenance as they are a new vehicles replacing an older one

Describe all Benefits and/or Savings:

As equipment ages more costly repairs are necessary as well as increased operations and maintenance costs.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 1,130,000	$ 705,000	$ 430,000	$ 370,000	$ 450,000	$ 3,085,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 1,130,000	$ 705,000	$ 430,000	$ 370,000	$ 450,000	$ 3,085,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 30,000	$ 140,000	$ 10,000			$ 180,000
Sewer Enterprise Funds	$ 236,000	$ 80,000	$ 83,000			$ 399,000
Solid Waste Enterprise Funds	$ 150,000					$ 150,000
Storm Water Enterprise Funds	$ 149,000	$ 30,000	$ 27,000	$ 200,000		$ 406,000
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 565,000	$ 455,000	$ 310,000	$ 170,000	$ 450,000	$ 1,950,000
TOTALS	$ 1,130,000	$ 705,000	$ 430,000	$ 370,000	$ 450,000	$ 3,085,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Replace Technology **DATE SUBMITTED:** 2/18/16

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

At the water treatment plant, annual budget for SCADA related work. (Supervisory Control and Data Acquisition).

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Needed to operate water treatment plant.

Cost to Maintain:

Nominal.

Describe all Benefits and/or Savings:

Needed to operate water treatment plant.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 50,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 50,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$50,000
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$0
TOTALS	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 50,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Sewer Line Replacement **DATE SUBMITTED:** 09/21/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Public Works continues to work on the Comprehensive Wastewater Management Plan (CWMP) for sewer pipeline projects. The improvements to be undertaken are to enhance the utilities that include new construction, replacement or upgrades identified each year.

New sewer line projects to be completed with this funding include Hinckley Street, Warner Street and others as identified through the CWMP. Past and current projects funded include the Industrial Park, Isabella Street and North Street sewer lines.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Failure of existing systems are predominately due to age. Replacement provides for the next generations of City residents, businesses and Public Works staff with low future maintenance.

Cost to Maintain:

Funded in the Public Works annual operations and maintenance budget. 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 are upgraded reducing sewer overflows. Costly emergency repairs reduced and lower maintenance needs when .

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 2,000,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 2,000,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 2,000,000
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 2,000,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Sewer Sytem Study **DATE SUBMITTED:** 10/02/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Public Works continues to work on comprehensive asset management plans for wastewater planning. The improvements to be undertaken in this plan are the field study work necessary to further define areas identified with excessive inflow and infiltration issues. The waterwater treatment plant receives up to a five fold increase in flows during heavy rain events.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The flow of stormwater in to the City sewer lines places the wastewater treatment plant at risk for violations.

Cost to Maintain:

Increase operational costs at the WWTP during these high flows.

Describe all Benefits and/or Savings:

Reduced costs of pumping systems, lessen disruption to treatment processes during high flow. Violations may result in fines and penalties.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study	$ 200,000	$ 200,000	$ 165,000			$ 565,000
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 200,000	$ 200,000	$ 165,000	$ 0	$ 0	$ 565,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds	$ 200,000	$ 200,000	$ 165,000			$ 565,000
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 200,000	$ 200,000	$ 165,000	$ 0	$ 0	$ 565,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Wastewater Improvements **DATE SUBMITTED:** 9/18/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

The City of Northampton retained Kleinfelder to complete a comprehensive evaluation of needs for its wastewater collection system and wastewater treatment facility (WWTF). This plan recommends a Capital Improvement Plan (CIP) that is a guideline to investing in wastewater infrastructure over the next 20-years. Acknowledging that change is likely, the preferred approach to long-term planning is to be flexible to adapt the plan as priorities change or as the availability of funds is evaluated. As such, only the first five years of the CIP is illustrated with a specific prioritized schedule and costs. The 5 year plan has a large focus on the WWTP and sewer pump stations that are past their useful life. There are numerous areas of need at the City's WWTF. Some degree of investment is necessary in practically every process step from preliminary treatment through disinfection. Beyond equipment condition and performance, the WWTF's buildings and grounds were found to have numerous code compliance and safety issues.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Failure of equipment at the WWTP could lead violations and penalties.

Cost to Maintain:

Already in Operations and Maintenance budgets

Describe all Benefits and/or Savings:

Ensure permit compliance from Federal and State regulators. Upgrades to certain equipment may have energy efficiencies. Worker safety issues would be addressed.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements	$ 1,319,000	$ 3,984,000	$ 4,606,000	$ 15,270,000	$ 5,803,000	$ 30,982,000
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 1,319,000	$ 3,984,000	$ 4,606,000	$ 15,270,000	$ 5,803,000	$ 30,982,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds	$ 1,354,013	$ 4,159,304	$ 4,504,246	$ 11,130,227	$ 4,805,236	$ 25,953,026
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 1,354,013	$ 4,159,304	$ 4,504,246	$ 11,130,227	$ 4,805,236	$ 25,953,026

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Equipment Replacement - Sewer Operations **DATE SUBMITTED:** 2/18/16

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Annual funding for replacing equipment needed to maintain and operate the sewer system. The types of expenditures include CCTV camera equipment.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Needed to maintain sewer system.

Cost to Maintain:

Varies.

Describe all Benefits and/or Savings:

Needed to maintain sewer system.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 230,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 230,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 230,000
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 46,000	$ 230,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Equipment Replacement - Sewer Treatment **DATE SUBMITTED:** 2/18/16

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Annual funding for replacement of equipment at the wastewater treatment plant. May be used for expenses such as replacing motors, pumps, blowers, and related treatment equipment.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Needed for wastewater treatment.

Cost to Maintain:

Varies.

Describe all Benefits and/or Savings:

Needed for wastewater treatment.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 175,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 175,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 175,000
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 175,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Levee Assesment and Repair **DATE SUBMITTED:** 10/01/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Army Corps of Engineers required assessment work being performed in FY16 by Consultants will lead to projects. Currently under assessment are the levee toe drains, concrete flood wall, free board height, encroachments/penetrations, South Street drop structure and an underwater structure near the Oxbow.

Assessment work is being done on the Mill River Diversion Channel and the Connecticut River Levee system.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Defined assessment work not performed may cause decertification of the flood control system.

Cost to Maintain:

Currently in the operations and maintenance budget.

Describe all Benefits and/or Savings:

A flood control system in good working order.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 200,000	$ 200,000	$ 200,000			$ 600,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 200,000	$ 200,000	$ 200,000	$ 0	$ 0	$ 600,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds	$ 200,000	$ 200,000	$ 200,000			$ 600,000
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 200,000	$ 200,000	$ 200,000	$ 0	$ 0	$ 600,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Storm Line Replacement **DATE SUBMITTED:** 10/02/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Public Works continues to work on comprehensive asset management plans for stormwater pipeline projects. The improvements to be undertaken are to enhance the utilities that include new construction, replacement or upgrades identified each year.

A portion of the Eastern Avenue storm line was replaced in FY15. Next scheduled project is Hinckley Street. There is also a $100,000 emergency repair contract in place for projects beyond the DPW's capabilities. This the second year of the Stormwater Enterprise Fund and this Capital Improvements Project request sets a place holder for future projects while a more definative five year plan is developed.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Failure of existing systems predominately due to age or under capacity. New construction and replacement provides for the next generations of City residents and business.

Cost to Maintain:

Currently in the Public Works annual operations and maintenance budget. 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 are to be upgraded reducing street flooding.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,500,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,500,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,500,000
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,500,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Sidewalks **DATE SUBMITTED:** 09/24/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

The City's sidewalks are deteriorating rapidly. A replacement and repair schedule should be implemented. The Transportation and Parking Commission (TPC) has also developed a priority list of streets where sidewalks should be constructed or replaced. CIP from FY07 and FY08 received a total of $200,000 for this work. To date this money has constructed new sidewalks on Bridge Road, Hatfield Street and North Elm Street.

This funding request is a continuation of the FY16 - FY20 CIP.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Impacts the traveling public

Cost to Maintain:

Sidewalks have a 20 to 30 year life cycle with minor maintenance

Describe all Benefits and/or Savings:

Provides an alternative means of travel within our community.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
TOTALS	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Traffic Calming **DATE SUBMITTED:** 10/02/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Continuation to acquire funds implementing features for unfunded Traffic Calming Applications from City neighborhoods. In addition it is proposed that this funding also be used for expansion of bicycle lanes, crosswalk enhancements and other needs associated with traffic calming. This is a continuation of the FY16 - FY20 Capital Plan.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

City neighborhoods would continue to be impacted if recommendations do not move forward to implementation.

Cost to Maintain:

Pavement markings must be maintained. Will require an increase in materials costs or contract costs for contractors to maintain.

Describe all Benefits and/or Savings:

Benefits to the neighborhood include reduce traffic speed, safer streets, pedestrian/bicyclists infrastructure.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000
TOTALS	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Street Resurfacing **DATE SUBMITTED:** 09/28/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

The City's 150 miles of roadways are deteriorating faster than we are replacing them. Resurfacing can prevent further deterioration that will delay costly full reconstruction in the future. There is a multi million dollar backlog to bring City streets up to optimum levels. By failure to invest in this infrastructure the deterioration rate only escalates and the costs to repair increase. The City currently relies on Chapter 90 funds and CIP for such work. In both CIP15 and CIP16 the City approved $500,000 each year. Proposed CIP17 - CIP21 request for $500,000 each year.

The proposed budget assumes that the historic City Chapter 90 Funds used remain unchanged.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Department spends a large amount of resources into pothole repair. Currently we budget up $150,000 each year for materials (asphalt).

Cost to Maintain:

First 5 years requires occasional crack sealing as distresses occur. Depending on numerous factors pavement can last between 12 - 20 years.

Describe all Benefits and/or Savings:

Decrease in claims for vehicle damage. When work is done we also evaluate traffic calming, bike lanes and ADA accessibility. The traveling public sees the work that their taxes go to.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction	$ 1,250,000	$ 1,250,000	$ 1,250,000	$ 1,250,000	$ 1,250,000	$ 6,250,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 1,250,000	$ 1,250,000	$ 1,250,000	$ 1,250,000	$ 1,250,000	$ 6,250,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants	$ 750,000	$ 750,000	$ 750,000	$ 750,000	$ 750,000	$ 3,750,000
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,500,000
TOTALS	$ 1,250,000	$ 1,250,000	$ 1,250,000	$ 1,250,000	$ 1,250,000	$ 6,250,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Clement Street Bridge Repairs **DATE SUBMITTED:** 09/28/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: Edward Huntley

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The Clement Street Bridge is on a six (6) month inspection schedule instead of the standard two (2) year cycle due to its rating downgrade. The supporting eyebar trusses and pinning components need repair/replacement, removing rust and painting. In addition the existing polymer deck is in need of replacement.

Engineering/feasibility study is under contract with Greenman - Pederson funded in FY15 for $50,000. Construction cost numbers are from last 5 year CIP request.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

At some point the bridge will be closed if repairs are not undertaken.

Cost to Maintain:

Last report stated that the bridge needed about $100,000 in repairs each year.

Describe all Benefits and/or Savings:

This road serves has a daily traffic demand of almost 3,000 vehicles per day that would otherwise use Burts Pit or Florence Roads to bypass if closed. May have effect on Baystate businesses.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering	$ 50,000					$ 50,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 125,000				$ 125,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 50,000	$ 125,000	$ 0	$ 0	$ 0	$ 175,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 50,000	$ 125,000				$ 175,000
TOTALS	$50,000	$ 125,000	$ 0	$ 0	$ 0	$ 175,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Cemetery Preservation Plan **DATE SUBMITTED:** 2/18/16

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Preparation of preservation plans for the West Farms Cemetery and the Park Street Cemetery.

(Cemetery perpetual care fund is the proposed funding source.)

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Low.

Cost to Maintain:

Study will recommend capital projects to improve cemeteries.

Describe all Benefits and/or Savings:

Having a Preservation Plan for these cemeteries will better position the City to apply for local and state grants, as well as other fund-raising efforts.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study	$ 37,300					$ 37,300
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 37,300	$ 0	$ 0	$ 0	$ 0	$ 37,300
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)	$ 37,300					$ 37,300
City Appropriation						$ 0
TOTALS	$ 37,300	$ 0	$ 0	$ 0	$ 0	$ 37,300

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Portable Pump **DATE SUBMITTED:** 10/05/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ☑ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The DPW seeks to purchase a portable pump for moving stormwater and sewerage during necessary events. The King Street Brook sedimentation basin and culvert located in Barrett Street Marsh needs cleaning several times a year. In order to clean the basin needs to be emptied of water and bypass pumping of the water upstream needs to be done. In addition the pump can be used for conveyance of sewer in the event of pump station failure or for bypass pumping.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

DPW would continue to rent or contract for this equipment as needed.

Cost to Maintain:

General maintenance like other gas engines.

Describe all Benefits and/or Savings:

Pump would be available anytime for use rather than coordinating and delivery of a rental or contracted company.

PROJECT BUDGET AND FUNDING SOURCES

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

Project Cost Elements	FY 2017	FY 2018	FY2019	FY 2020	FY2021	TOTAL
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 30,000					$ 30,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 30,000	$ 0	$ 0	$ 0	$ 0	$ 30,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds	$ 15,000					$ 15,000
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds	$ 15,000					$ 15,000
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation						$ 0
TOTALS	$ 30,000	$ 0	$ 0	$ 0	$ 0	$ 30,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Plotter Replacement **DATE SUBMITTED:** 10/05/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The wide format plotter in the Engineering Department is obsolete and is reaching the end of its useful life. Replace the plotter and upgrade the equipment to include copying capability.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Inability to print full scale plans and maps within the department. Loss of printing capabilities would result in inefficient use of time and expense of having prints made at a full service copy shop.

Cost to Maintain:

This primarily electronic equipment has an expected life of 5-7 years.

Describe all Benefits and/or Savings:

Ability to make draft, working, final prints and copies of plans and maps within the office is efficient and less expensive than doing so with an external vendor.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 12,000					$ 12,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 12,000	$ 0	$ 0	$ 0	$ 0	$ 12,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 3,000					$ 3,000
Sewer Enterprise Funds	$ 3,000					$ 3,000
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds	$ 3,000					$ 3,000
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 3,000					$ 3,000
TOTALS	$ 12,000	$ 0	$ 0	$ 0	$ 0	$ 12,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Mezzanine Storage **DATE SUBMITTED:** 10/09/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

DPW has limited parts storage for vehicles and equipment. This CIP would install a 16' x 27' mezzanine above the existing mechanics tool and hydraulic hose crimping rooms.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Lack of storage space requires frequent deliveries from outside vendors that delay maintenance and repair projects.

Cost to Maintain:

N/A

Describe all Benefits and/or Savings:

Allows for more robust inventory of parts for equipment and vehicle repair.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements	$ 35,000					$ 35,000
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 35,000	$ 0	$ 0	$ 0	$ 0	$ 35,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 10,000					$ 10,000
Sewer Enterprise Funds	$ 10,000					$ 10,000
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds	$ 5,000					$ 5,000
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 10,000					$ 10,000
TOTALS	$ 35,000	$ 0	$ 0	$ 0	$ 0	$ 35,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: City Wide Fuel Depot **DATE SUBMITTED:** 09/28/15

DEPARTMENT PROJECT INFORMATION

Department: Public Works

Department Contact: James R. Laurila

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Constructed in 1993 the City wide fueling depot located at Public Works is deteriorating and poses the threat of water entering the fuel tanks. In addition the facility is in need to modernize for worker safety, inventory control and fire protection. The fueling depot is used by City wide vehicles and equipment 24/7/365 including Public Works, Police, Fire, Schools, Council on Aging and Recreation. Public Works had the design and specifications done as part of the proposed new complex. Construction administration, bid services and update revisions to existing documents will need to be done as the design was completed over two (2) years ago. Engineering design is under contract.

While the tanks do not show any evidence of leaking they should also be replaced and increased in size. The increase in size was recommended in the Rivermoor Systems "Northampton Resiliency Strategy Analysis" report to the City in April 2014.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

At some point the system will fail causing disruptions to its users and the need to procure fuel elsewhere at all hours. This fuel depot dispenses about 350,000 gallon of fuel each year.

Cost to Maintain:

Should have a negligible increase in electricity.

Describe all Benefits and/or Savings:

Beneficial outcome would be a new facility to last the next several decades, modern fuel monitoring/inventory, canopy for inclement weather fueling and fire protection system.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 0	$ 0	$ 0
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds	$ 100,000					$ 100,000
Sewer Enterprise Funds	$ 55,000					$ 55,000
Solid Waste Enterprise Funds	$ 15,000					$ 15,000
Storm Water Enterprise Funds	$ 15,000					$ 15,000
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 490,000					$ 490,000
TOTALS	$ 675,000	$ 0	$ 0	$ 0	$ 0	$ 675,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Replace 1993 Engine **DATE SUBMITTED:** October 5 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire/Rescue

Department Contact: Duane Nichols Fire Chief

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project would replace a 1993 pumper/tanker that will be 23 years old when replaced. This unit was purchased as a stop gap measure during the economic downturn of 2009 and was slated to last 5 years. ICMA standards say a piece of fire apparatus should last 20 years, serving in the front line capacity for the first five of those years and then transitioning to backup and reserve status over time. Presently this unit is in fair condition.

The replacement of this unit would consolidate the need for a engine - tanker to serve the area outside of the water district, this is an area that has seen many of our more significant fires.

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 of the only tanker in Northampton will be reduced as it will be out of service frequently.

Cost to Maintain:

As our fleet continues to age the older apparatus is a burden on the Ordinary Maintenance (OM) budget as this unit is regularly in need of repair. The cost to maintain is estimated at $2,500 per year.

Describe all Benefits and/or Savings:

Replacement of this piece of equipment continues the practices of consolidating a engine and a tanker. A unit of this type serves Northampton well as the unit can function as a primary water supply piece outside of our water district (1/3 of the land area of the community) and also function as a reserve engine company when our primary structural units are in need of service or repair.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase	$ 585,000					$ 585,000
Other						$ 0
Contingency						$ 0
TOTALS	$ 585,000	$ 0	$ 0	$ 0	$ 0	$ 585,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 585,000					$ 585,000
TOTALS	$ 585,000	$ 0	$ 0	$ 0	$ 0	$ 585,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Communication Equipment **DATE SUBMITTED:** October 5, 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire/Rescue

Department Contact: Duane Nichols, Fire Chief

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The fire service communications infrastructure has not been updated in several years. Presently the Department is falling behind in terms of updating/replacing our portable radios and pagers. Our main portable radios that we use are no longer produced and some of our pagers are over 10 year old technology. We currently have pagers that are three generation old technology. Pagers are the department's main means to recall personnel if needed for an emergency. Portable radios are essential communication tool on emergency calls to ensure safety of personnel. This request would replace 10 pagers, replace 6 obsolete portable radios.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Currently our old pagers can not be repaired and several members have not been issued these devices which provide for off duty response. Portable radios will fail at an increasing rate.

Cost to Maintain:

The cost to maintain is absorbed in a public safety contract. However, the ability of the Department to communicate and keep pace with technology is slowly declining.

Describe all Benefits and/or Savings:

This project would provide current communications resources that would in itself enhance critical public safety communications along with replacing our oldest communication equipment. This would also equip firefighters with pagers that are our primary means of notification for off duty response.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 32,500					$ 32,500
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 32,500	$ 0	$ 0	$ 0	$ 0	$ 32,500
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 32,500					$ 32,500
TOTALS	$ 32,500	$ 0	$ 0	$ 0	$ 0	$ 32,500

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Rescue Boat Replacment **DATE SUBMITTED:** October 5, 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire/Rescue

Department Contact: Duane Nichols Fire Chief

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Our current rescue boat was obtained through a government surplus program. Its original use was intended for Coast Guard operations were the boat was docked or utilized off larger vessels. With its use in saltwater we are seeing extensive corrosion of parts. With this, we are experiencing many breakdowns. Being it military surplus it has been difficult to find repair parts. Local marina's have a difficult time finding parts and performing repairs, so when it breaks we are experiencing long periods of time when it is out of service. We experience longer response times to emergencies on the Connecticut River because we have to rely on neighboring communities for mutual aid. This project would replace our current boat with a Resue1 boat which is designed for our type emergencies.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not replaced we experience long response time to emergencies on the Connecticut river and increased repair and maintenance cost to maintain the existing boat.

Cost to Maintain:

Currently the cost to maintain the boat has been approximately $2500 a year between repairs and maintenance.

Describe all Benefits and/or Savings:

Replacing the current boat would help reduce response times to emergency calls. It would also increase our interoperability with our mutual aid partners as this boat would be able to operate extremely well with multiple agency responses. We would also see reduced maintenance and repair cost and improve responders safety by having a reliable/safe vessel.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings		$ 35,000				$ 35,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 35,000	$ 0	$ 0	$ 0	$ 35,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 35,000				$ 35,000
TOTALS	$ 0	$ 35,000	$ 0	$ 0	$ 0	$ 35,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Turnout Gear Replacement **DATE SUBMITTED:** October 5, 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire/Rescue

Department Contact: Duane Nichols Fire Chief

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☑ **FY20** ☐ **FY21** ☐

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.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Properly fitting 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 Massachusetts Firefighting Academy which as a requirement that any turnout gear has to be 10 years or less to participate in training.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings			$ 195,000			$ 195,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 195,000	$ 0	$ 0	$ 195,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation			$ 195,000			$ 195,000
TOTALS	$ 0	$ 0	$ 195,000	$ 0	$ 0	$ 195,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: EMS Protective Equipment **DATE SUBMITTED:** October 5, 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire Rescue

Department Contact: Duane Nichols Fire Chief

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☐ **FY20** ☑ **FY21** ☐

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

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

PROJECT DESCRIPTION

Unfortunately, we may respond to violent active shooter situations. During these emergencies our paramedics and first response personnel are expected to work tactically to treat and remove patients in areas secured by the Police.

This project would provide paramedics and tactical responders with protective ballistic vests. Providing this equipment has become the industry standard. This protective equipment would be provided on each ambulance and emergency first response unit. In the absence of this equipment, personnel will be placed at greater risk and operational capability during an active shooter situation will be reduced.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

In the absence of this equipment, personnel will be placed at greater risk and operational capability during an active shooter situation will be reduced.

Cost to Maintain:

As this is new equipment there is no current cost to maintain. Once purchased there is no maintenance required.

Describe all Benefits and/or Savings:

This project would provide EMS responders with protective ballistic vests. Providing this equipment has become the industry standard and required equipment to function tactically in these type of situations.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings					$ 35,000	$ 35,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 0	$ 35,000	$ 35,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation				$ 35,000		$ 35,000
TOTALS	$ 0	$ 0	$ 0	$ 35,000	$ 0	$ 35,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Hose & Appliances **DATE SUBMITTED:** October 5, 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire/Rescue

Department Contact: Duane Nichols Fire Chief

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project would replace aging and outdated hose and equipment beyond the capability of our Ordinary Maintenance (OM) Budget. Specifically, our inventory of large diameter water supply hose, 1 3/4 & 2 1/2 inch attack hose, nozzles, tools and other appliances has dwindled as the need has outpaced the capability of the OM budget. Over the years the price of this equipment has increased dramatically and therefore reduced our ability to purchase this critical equipment.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The Department attempts to maintain an inventory of these supplies. The current inventory has been depleted and this necessitates equipment being shifted from vehicle to vehicle.

Cost to Maintain:

As this equipment ages, we have seen an increase in the failure of hose and appliances. while some of these items can be repaired most need to be replaced this produces a cost of about $12,000 per yr.

Describe all Benefits and/or Savings:

This project would ensure that all apparatus is properly equipped and that a small inventory of replacement equipment exists.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings		$ 25,000				$ 25,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 25,000	$ 0	$ 0	$ 0	$ 25,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 25,000				$ 25,000
TOTALS	$ 0	$ 25,000	$ 0	$ 0	$ 0	$ 25,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Hybrid Staff Vehicle Rot. **DATE SUBMITTED:** October 5, 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire/Rescue

Department Contact: Duane Nichols Fire Chief

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☑ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The Department's need for reliable staff vehicles to perform inspections and other administrative functions has increased. This project sustains a rotation that provides reliable vehicles to perform administrative functions ranging from inspections to training transportation. Once purchased, this vehicle would be assigned to a Chief Officer for emergency response, the existing vehicle would then move into our rotation to provide smaller more economical vehicles for both inspections and training. This methodology results in a maximum life span for the administrative vehicles. many of our vehicles have lasted 12 years and accumulated over 150,000 miles.

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

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

Describe all Benefits and/or Savings:

Providing an ongoing rotation of staff vehicles allows smaller and more efficient units to provide emergency response, fire prevention inspections and transportation to training venues. As these vehicles serve an emergency response role, this project would enhance reliability. The lack of replacement of these units has become a growing problem within the Department. Replacement of these units has fallen far behind a reasonable schedule.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase			$ 40,250			$ 40,250
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 40,250	$ 0	$ 0	$ 40,250
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation			$ 40,250			$ 40,250
TOTALS	$ 0	$ 0	$ 40,250	$ 0	$ 0	$ 40,250

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Replace Mechanics Plow **DATE SUBMITTED:** October 5, 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire Rescue

Department Contact: Duane Nichols Fire Chief

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☑

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 snow storms. Also this vehicle works in conjunction with Central Services to clear the parking lot of the Senior Center and provides timely plowing of both fire stations and in many cases Carlon Drive. In heavy snow falls it is dispatched with apparatus to help facilitate access to emergency scenes.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

As this vehicle will be 24 years old when replaced, it has reached the end of its expected service life. Delayed replacement will result in an increasing rate of failure.

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase					$ 62,250	$ 62,250
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 0	$ 62,250	$ 62,250
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation					$ 62,250	$ 62,250
TOTALS	$ 0	$ 0	$ 0	$ 0	$ 62,250	$ 62,250

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: 12 Lead Cardiac Monitors **DATE SUBMITTED:** October 5, 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire Rescue

Department Contact: Duane Nichols Fire Chief

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project would replace our two oldest 12 lead cardiac monitors. These monitors are essential equipment for our ambulance crews. They provide information to the medics that help dictate treatment for cardiac related emergencies. We purchased these two monitors when we started our ambulance service over ten years ago. They have been cycled over to our back up apparatus. Life expectancy of these older monitors is projected at 12 years.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

If not replaced we could see apparatus not have the ability to be at the Advanced Life Support level which could effect response times as we would rely on mutual aid if we had multiple EMS calls.

Cost to Maintain:

We have an annual contract with a vendor to service annually all monitors and defibrillator's, maintenance would come in under this annual contract.

Describe all Benefits and/or Savings:

Replacing these monitors would ensure our paramedics have reliable and current technology for cardiac emergencies. It would ensure we would have reliable monitors on all our apparatus which enhances our ability to provide the proper care to patients especially during times of multiple calls happen at the same time.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings		$ 74,500				$ 74,500
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 74,500	$ 0	$ 0	$ 0	$ 74,500
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation		$ 74,500				$ 74,500
TOTALS	$ 0	$ 74,500	$ 0	$ 0	$ 0	$ 74,500

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Replace 1999 Engine **DATE SUBMITTED:** October 5, 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire Rescue

Department Contact: Duane Nichols Fire Chief

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☑

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

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

PROJECT DESCRIPTION

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase					$ 585,000	$ 585,000
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 0	$ 585,000	$ 585,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation					$ 595,000	$ 595,000
TOTALS	$ 0	$ 0	$ 0	$ 0	$ 595,000	$ 595,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Brush Truck Replacement **DATE SUBMITTED:** October 5, 2015

DEPARTMENT PROJECT INFORMATION

Department: Fire/Rescue

Department Contact: Duane Nichols Fire Chief

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☐ **FY20** ☑ **FY21** ☐

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

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

PROJECT DESCRIPTION

This project would replace our 1997 Pickup truck that has been outfitted with a skid mount brush fire module. This unit will have far exceeded (21 years at replacement) its useful life span of 15 years. This unit is utilized to access the off road areas in many of the rural portions of the City and in the Meadows area for brush fires and rescues. This project would replace the Pickup truck and we would utilize the existing skid mount brush fire module as its condition is still good.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

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

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase				$ 70,250		$ 70,250
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 70,250	$ 0	$ 70,250
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation				$ 70,250		$ 70,250
TOTALS	$ 0	$ 0	$ 0	$ 70,250	$ 0	$ 70,250

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: VoIP Phone System Replacement and Upgrades **DATE SUBMITTED:** 10/5/2015

DEPARTMENT PROJECT INFORMATION

Department: Information Technology

Department Contact: Antonio Pagan, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Currently, the IT Department manages the Voice over IP (VoIP) phone system 3Com VCX Enterprise. This system serves all City departments, including Schools, Police, Fire & Rescue, Central Dispatch and Smith Vocational, with a total of around seven hundred and fifty phones.
This project's goal is to replace the current system and station devices with an up-to-date system and station devices that allows the City to continue having reliable internal communications while enhancing the capacity to response to community needs, specially during emergency situations. The requirements of the related procurement would include comprehensive project management, software-based system which would reduce the chances of obsolescence, embedded resiliency on design and implementation, and reliable technology support. This project includes design, procurement and implementation of hardware software and wiring infrastructure improvements.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

System is out of support, there are no replacement parts available and very limited support services from supplier. In the instance of a system failure the current system is likely to last a long time period.

Cost to Maintain:

Ongoing support for VoIP system is estimated on $30,000.00 annually.

Describe all Benefits and/or Savings:

A modern VoIP system allows the staff at all City dependencies to communicate easily and respond to constituents on a nimble way. The new system would integrate with other systems and allow managers and supervisors to keep in contact with staff from anywhere and anytime. The system will have redundant points of entry to allow communications operate during emergency and disaster conditions and allow the City to use newer services that would reduce monthly costs by approx. 20%.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering	$ 18,000					$ 18,000
Site Acquisition						$ 0
Site Improvements	$ 62,000	$ 84,500				$ 146,500
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 167,000					$ 167,000
Vehicle Purchase						$ 0
Other	$ 265,000					$ 265,000
Contingency	$ 25,000	$ 5,000				$ 30,000
TOTALS	$ 537,000	$ 89,500	$ 0	$ 0	$ 0	$ 626,500
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 537,000	$ 89,500				$ 626,500
TOTALS	$ 537,000	$ 89,500	$ 0	$ 0	$ 0	$ 626,500

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Multi-Facility Energy Management System Upgrades **DATE SUBMITTED:** 9-25-15

DEPARTMENT PROJECT INFORMATION

Department: Central Services Department

Department Contact: David Pomerantz, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Energy management controls for 19 city and school facilities is managed using Johnson Controls software and hardware (energy management in another 5 city and school facilities is done with Automated Logic equipment). This project has three components:

1. Upgrade the Metasys ADX software to bring the existing system to the current version 7.0.
2. Upgrade 17 Network Automation Engines located at multiple facilities that are connected to the server.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The existing software and accompanying NAEs are no longer compatible with the JCI system that has been upgraded so access and control of the energy management system has gaps.

Cost to Maintain:

No maintenance costs upon completion of the work.

Describe all Benefits and/or Savings:

Upgrading the software and NAEs will allow for more comprehensive monitoring and better control of the energy management systems in each facility.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other	$ 18,020					$ 18,020
Contingency						$ 0
TOTALS	$ 18,020	$ 0	$ 0	$ 0	$ 0	$ 18,020
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 18,020					$ 18,020
TOTALS	$ 18,020	$ 0	$ 0	$ 0	$ 0	$ 18,020

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Integrated Municipal Data System **DATE SUBMITTED:** 10/5/2015

DEPARTMENT PROJECT INFORMATION

Department: Information Technology

Department Contact: Antonio Pagan, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Currently, the IT Department manages a set of web-based tools to facilitate departments to track applications, permits inspections, licenses and work orders. The current systems are loosely integrated and the usage is fragmented in some departments.
This project's goal is to replace the existing systems with an up-to-date, cloud-based, and integrated system. Such a system will leverage the existing parcels' database, forms archiving and GIS capabilities to implement a fully integrated data platform. The requirements of the related procurement would include comprehensive project management and implementation services with emphasis on full integration with existing data sets.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Two of the existing systems are not being developed recently and it is likely that will soon be out of support. Some departments are not using the existing systems because of lack of functionalities.

Cost to Maintain:

The ongoing support of a system with these specifications is estimated on $15,000.00 annually.

Describe all Benefits and/or Savings:

For years DPW and Planning and Sustainability have developed a lot of GIS-formatted data relevant to the work that most departments perform. By implementing an integrated cloud-based system the City will be benefited by having a smoother work-flow among departments, relevant information at the staff or constituents fingertips, ability to provide accurate information on a timely fashion.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other	$ 100,000					$ 100,000
Contingency	$ 10,000					$ 10,000
TOTALS	$ 110,000	$ 0	$ 0	$ 0	$ 0	$ 110,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 110,000					$ 110,000
TOTALS	$ 110,000	$ 0	$ 0	$ 0	$ 0	$ 110,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Equipment Replacement **DATE SUBMITTED:** 10/8/15

DEPARTMENT PROJECT INFORMATION

Department: Information Technology

Department Contact: Antonio Pagan, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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

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

PROJECT DESCRIPTION

Existing inventory of desktops, switches, UPS, and servers are on a three to five years refresh cycle. In order to maintain the level of service and minimize the need for fix and repairs, the devices are assessed every year for replacement.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Lack of equipment replacement leads to unexpected downtime, data losses, and loss of staff productivity. Also, as we replace equipment we take advantage of new technologies.

Cost to Maintain:

Ongoing support is covered under operational budget.

Describe all Benefits and/or Savings:

Keeping the technology equipment up to date helps the productivity of City's staff and reduces the need for constant repairs and unexpected downtime.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
TOTALS	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: LaserFiche Archiving SystemUpgrade **DATE SUBMITTED:** 10/8/15

DEPARTMENT PROJECT INFORMATION

Department: Information Technology

Department Contact: Antonio Pagan, Director

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The current forms archiving and document management system, which allows the City to archive all records electronically, requires an upgrade to bring it to the current version that provides enhanced functionality.
The main goal of this project is to update the system to its most recent version, prepare it for integration with new Municipal Data system, and train personnel on existing and new functionalities. Ultimately, the enhanced functionality will help all departments to take advantage of the document management capabilities and will bring the City closer to a paperless operation.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Implementation of the electronic document management system is limited and will continue benefiting some departments only.

Cost to Maintain:

Ongoing support for LaserFiche is estimated on $12,500 annually.

Describe all Benefits and/or Savings:

Additional functionality allows staff to route documents by using pre-defined work-flows. Document owners can be notified when another department needs specific documents to be updated. Other systems will be able to integrate LaserFiche as part of their interface for searching archived documents.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other	$ 30,500					$ 30,500
Contingency	$ 3,000					$ 3,000
TOTALS	$ 33,500	$ 0	$ 0	$ 0	$ 0	$ 33,500
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 33,500					$ 33,500
TOTALS	$ 33,500	$ 0	$ 0	$ 0	$ 0	$ 33,500

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Downtown and Parking Wayfinding **DATE SUBMITTED:** 10/9/2015

DEPARTMENT PROJECT INFORMATION

Department: Planning and Sustainability

Department Contact: Wayne Feiden

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

The Wayfinding Program is designed to 1) help motorists find parking, 2) generate more business for downtown businesses, supporting the economy and generating additional tax revenue, 3) reduce the significant amount of vehicle cruising through downtown looking for parking spaces, 4) decrease pressure for far more expensive efforts to create new parking, 5) allow encourage walking and related health benefits, and 6) reduce the proliferation of mounted and sandwich board signs that reduce the visibility of important signs and create navigational hurtles.

This program was one of the critical priorities from the city's recently completed parking study (Walker Parking Consultants). It is eligible for some funding from the city's Mass in Motion grant that helps fund efforts that increase walking. The first year is a comprehensive wayfinding program design. The second year is fabrication and installation of signage.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

The program will increase customer satisfaction, local business and jobs, and walking. It will decrease vehicle cruising for parking, congestion, and air pollution.

Cost to Maintain:

Approximately $1,000 per year, about the same as current sign maintenance.

Describe all Benefits and/or Savings:

Increased economic activity and related taxes, decreased vehicle cruising for parking and less demand for other congestion-relieving traffic improvements.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering	$ 70,000					$ 70,000
Site Acquisition						$ 0
Site Improvements						$ 0
Construction		$ 100,000				$ 100,000
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 70,000	$ 100,000	$ 0	$ 0	$ 0	$ 170,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (Mass in Motion grant)	$ 10,000					$ 10,000
City Appropriation	$ 60,000	$ 100,000				$ 160,000
TOTALS	$ 70,000	$ 100,000	$ 0	$ 0	$ 0	$ 170,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Rail Trail extension designs **DATE SUBMITTED:** 10/9/2015

DEPARTMENT PROJECT INFORMATION

Department: Planning and Sustainability

Department Contact: Wayne Feiden

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☑ **FY19** ☑ **FY20** ☑ **FY21** ☑

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

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

PROJECT DESCRIPTION

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

Transportation by rail trail 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 design-only funding, that makes us eligible for grant funded construction funding. A small city investment will leverage a huge investment of state and federal funds.

These funds help leverage matching CPA funds.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

Approximately $5,000 per year, significantly less than the same number of trips done by single occupancy motor vehicles.

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition		$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 240,000
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 240,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 60,000	$ 60,000	$ 60,000	$ 60,000		$ 240,000
TOTALS	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 0	$ 240,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Tax Title priority purchases **DATE SUBMITTED:** 10/9/2015

DEPARTMENT PROJECT INFORMATION

Department: Planning and Sustainability

Department Contact: Wayne Feiden

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ✔ **FY20** ✔ **FY21** ✔

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 100% of the funds being used to pay off the back taxes, so there is no long term cost to the city.

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

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

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

Cost to Maintain:

$100/year

Describe all Benefits and/or Savings:

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

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition	$ 40,000	$ 40,000	$ 40,000	$ 40,000		$ 160,000
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 0	$ 160,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 40,000	$ 40,000	$ 40,000	$ 40,000		$ 160,000
TOTALS	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 0	$ 160,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Firing Range System **DATE SUBMITTED:** 10/05/15

DEPARTMENT PROJECT INFORMATION

Department: Police Department

Department Contact: Chief Jody D. Kasper

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ✔ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

FY2017 - Purchase and installation of ballistic resistant and noise baffling sidewall and ceiling panels
Completion of HVAC system to ventilate range
Heavy duty vacuum cleaner, suited for use in firing range environment
Storage cabinets for targets and other range supplies

FY2018 - Four moving, turning, action-target carriers
Computerized, “Shoot, Don’t Shoot”, interactive scenario, projection system with screen

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Having a range is of utmost importance in maintaining our police personnel’s proficiency with their firearms, as well as being able to complete mandated training sessions by the Commonwealth.

Cost to Maintain:

10% of project cost.

Describe all Benefits and/or Savings:

See attached.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 103,000	$ 45,000				$ 148,000
Vehicle Purchase						$ 0
Other						$ 0
Contingency						$ 0
TOTALS	$ 103,000	$ 45,000	$ 0	$ 0	$ 0	$ 148,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 103,000	$ 45,000				$ 148,000
TOTALS	$ 103,000	$ 45,000	$ 0	$ 0	$ 0	$ 148,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Tactical Training/Supplies **DATE SUBMITTED:** 10/05/15

DEPARTMENT PROJECT INFORMATION

Department: Police Department

Department Contact: Chief Jody D. Kasper

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ✔ **FY20** ☐ **FY21** ✔

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

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

PROJECT DESCRIPTION

Fund the acquisition of tactical related equipment, supplies/services, including, but not limited to:

- Protective helmets with face shield visors
- Bio/Chemical gas masks with bio & chemical filters
- Mutual Aid/Large Incident Training and Equipment
- Crowd control, Plexiglas shields and training
- Tactical training including scenarios that involve active shooter situations
- Disposable, basic Bio/Chem protective suits/high visibility vests for use over Bio/Chem suits
- Tactical weaponry, special equipment and munitions
- Less than lethal options equipment and disbursement agents
  "Go Bags" for active shooter incidents

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Equipment/training is imperative in order to effectively handle demonstrations/active shooter situations/ multi-hazard situations; as well as to protect police personnel when dealing with such situations.

Cost to Maintain:

All replacement/new items would be purchased through Capital Improvements.

Describe all Benefits and/or Savings:

See attached.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings	$ 50,000		$ 50,000		$ 50,000	$ 150,000
Vehicle Purchase						$ 0
Other	$ 17,500		$ 17,500		$ 17,500	$ 52,500
Contingency						$ 0
TOTALS	$ 67,500	$ 0	$ 67,500	$ 0	$ 67,500	$ 202,500
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 67,500		$ 67,500		$ 67,500	$ 202,500
TOTALS	$ 67,500	$ 0	$ 67,500	$ 0	$ 67,500	$ 202,500

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Replace 4WD Vehicle **DATE SUBMITTED:** 10/05/15

DEPARTMENT PROJECT INFORMATION

Department: Police Department

Department Contact: Chief Jody D. Kasper

Fiscal Year(s) Requested: **FY17** ✔ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☐

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

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

PROJECT DESCRIPTION

Replacement, 4 Wheel Drive, Heavy Duty, Utility Vehicle to be equipped with the following equipment:

- Blue Light Bar
- Siren/PA System
- NPD Frequency Radio System/WMLEC Frequency Radio System
- Emergency traffic control equipment
- First Responder Equipment (Truck Box, First Aid, Oxygen, and Extrication Equipment)
- Striping/Lettering
- Other equipment

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

This vehicle is used to reach areas of the City not accessible by cruiser because of adverse conditions. It is also used to transport large pieces of evidence as well as barricades/horses.

Cost to Maintain:

Maintenance costs would be paid out of the OM Vehicle Maintenance Account.

Describe all Benefits and/or Savings:

See attached.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase	$ 53,000					$ 53,000
Other						$ 0
Contingency						$ 0
TOTALS	$ 53,000	$ 0	$ 0	$ 0	$ 0	$ 53,000
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation	$ 53,000					$ 53,000
TOTALS	$ 53,000	$ 0	$ 0	$ 0	$ 0	$ 53,000

City of Northampton Capital Plan FY17-FY21

PROJECT TITLE: Replace Crime Scene Van **DATE SUBMITTED:** 10/05/15

DEPARTMENT PROJECT INFORMATION

Department: Police Department

Department Contact: Chief Jody D. Kasper

Fiscal Year(s) Requested: **FY17** ☐ **FY18** ☐ **FY19** ☐ **FY20** ☐ **FY21** ☑

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

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

PROJECT DESCRIPTION

One, new Crime Scene Investigation Vehicle to be equipped as follows:

- Heavy duty chassis
- Walk-in body with interior & exterior compartments and seating and counter space
- Auxiliary power supply capable of sustained power for lighting use of equipment at crime scenes
- Blue emergency lights and siren system with controls
- Mobile laptop computer
- Portable generator/portable flood lighting fixtures
- NPD frequency radio system/WMLEC frequency radio system
- Mobile crime scene protection, processing equipment and supplies
- Emergency equipment

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Loss of this type of vehicle would hinder the department's ability to properly process crime scenes and gather evidence.

Cost to Maintain:

Maintenance costs would be paid out of the OM Vehicle Maintenance Account.

Describe all Benefits and/or Savings:

See attached.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	**FY 2017**	**FY 2018**	**FY2019**	**FY 2020**	**FY2021**	**TOTAL**
Feasibility Study						$ 0
Design - Engineering						$ 0
Site Acquisition						$ 0
Site Improvements						$ 0
Construction						$ 0
Inspection Services						$ 0
Equipment & Furnishings						$ 0
Vehicle Purchase					$ 94,500	$ 94,500
Other						$ 0
Contingency						$ 0
TOTALS	$ 0	$ 0	$ 0	$ 0	$ 94,500	$ 94,500
Financing Sources						
Lease-Purchase						$ 0
Water Enterprise Funds						$ 0
Sewer Enterprise Funds						$ 0
Solid Waste Enterprise Funds						$ 0
Storm Water Enterprise Funds						$ 0
State / Federal Grants						$ 0
Sale of Surplus Property						$ 0
CPA						$ 0
Other (specify)						$ 0
City Appropriation					$ 94,500	$ 94,500
TOTALS	$ 0	$ 0	$ 0	$ 0	$ 94,500	$ 94,500