



Public Facilities Committee Budget Agenda

City of Newton In City Council

Wednesday, April 19, 2017

7:00 PM
Room 204

PLEASE BRING YOUR BUDGET AND CIP BOOKS

BUDGET & CIP DISCUSSIONS: Public Buildings Department

Referred to Public Facilities and Finance Committees

#113-17 **Appropriate \$528,423 for School Department energy efficiency projects**
HIS HONOR THE MAYOR requesting authorization to appropriate and expend five hundred twenty-eight thousand four hundred twenty-three dollars (\$528,423) from the Energy Stabilization Fund to a dedicated account for the Newton Public Schools' Energy Efficiency Projects. [04/10/17 @ 2:42 PM]

Referred to Finance and Appropriate Committees

#359-16 **Submittal of the FY 2018 to FY 2021 Capital Improvement Plan**
HIS HONOR THE MAYOR submitting the Fiscal Years 2018 to 2022 Capital Improvement Plan pursuant to section 5-3 of the Newton City Charter. [10/11/16 @ 11:28 AM]

Referred To Finance and Appropriate Committees

#359-16(2) **Submittal of the FY 2018 Municipal/School Operating Budget**
HIS HONOR THE MAYOR submitting in accordance with Section 5-1 of the City of Newton Charter the FY18 Municipal/School Operating Budget totaling \$395,313,737 passage of which shall be concurrent with the FY18-FY22 Capital Improvement Program (#359-16). [04/10/17 @ 2:42 PM]
EFFECTIVE DATE OF SUBMISSION 04/18/17; LAST DATE TO PASS THE BUDGET 06/02/17

Referred To Finance and Appropriate Committees

#359-16(4) **Submittal of the FY 2018 – FY 2022 Supplemental Capital Improvement Plan**

The location of this meeting is accessible and reasonable accommodations will be provided to persons with disabilities who require assistance. If you need a reasonable accommodation, please contact the city of Newton's ADA Coordinator, Jini Fairley, at least two business days in advance of the meeting: jfairley@newtonma.gov or (617) 796-1253. The city's TTY/TDD direct line is: 617-796-1089. For the Telecommunications Relay Service (TRS), please dial 711.

HIS HONOR THE MAYOR submitting the FY 2018 – FY 2022 Supplemental Capital Improvement Plan. [04/10/17 @ 2:42 PM]

All Other Items before the Committee will be held without discussion.

Respectfully submitted,

Deborah J. Crossley, Chair



SETTI D. WARREN
MAYOR

City of Newton, Massachusetts
Office of the Mayor

#113-17

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April 10, 2017

Honorable City Council
Newton City Hall
1000 Commonwealth Avenue
Newton Centre, MA 02459

Ladies and Gentlemen:

I write to request that your Honorable Council docket for consideration a request to authorize the appropriation and expenditure of \$528,423 from the Energy Stabilization Fund to a dedicated account for NPS Energy Efficiency Projects.

Thank you for your consideration of this matter.

Sincerely,

Setti D. Warren
Mayor

RECEIVED
Newton City Clerk
2017 APR 10 PM 2:42
David A. Olson, OMC
Newton, MA 02459

Nadia Khan

From: William Ferguson
Sent: Friday, April 14, 2017 12:51 PM
To: Nadia Khan
Cc: Joshua R. Morse; DEBORAH CROSSLEY; Shawna Sullivan
Subject: NNHS Energy Efficiency Project-revised

From: William Ferguson
Sent: Friday, April 14, 2017 10:06 AM
To: 'DEBORAH CROSSLEY'
Cc: Shawna Sullivan; Joshua R. Morse
Subject: NNHS Energy Efficiency Project

Below is a summary of the Newton North High School energy efficiency project to include in the packet for next week's Public Facilities meeting.

NNHS accounts for 30% of the electricity use in the school dept.
 NNHS accounts for 20% of the electricity use in all of City government.
 In FY 2016 total electricity use was 4,470,159 kWh.
 In FY 2016 total electricity cost was \$829,693.

Use at NNHS has increase from 4,170,774 kWh in FY 2013 to 4,470,159 kWh in FY 2016 (7%).

NNHS was designed in 2008-2009 using state of the art technology available at that time.
 New technology is available now that makes that technology archaic.

We propose to use \$528,423 in energy stabilization funds to save \$100,000 annually through improved energy efficiency technology.

Highlights of this work include:

1. Replacing 750, 60 watt 2x2 fluorescent hallway fixtures with 20 watt 2x2 flat panel LED fixtures. Dave Stickney and Bill Ferguson visited Mashpee HS to evaluate this fixture and have determined that it is a good option.
2. Replace 6000, 32 watt fluorescent four foot lamps in classrooms with 14 watt LED replacement lamps.
3. Replacing 500, 2x4 fluorescent fixtures using 60 to 90 watts in all offices with LED lighting fixtures which use 30 watts. These fixtures will include dimming controls.
4. Install sub-metering for the electrical circuits serving strategic areas of the building to provide better analytics and a better understanding of building operations.
 These areas include: print shop, carpentry shop, pool, a sample corridor and classroom area.
5. We are evaluating the economics of installing a high efficiency boiler to heat the pool. The pool is currently heated with the central boiler which runs 24/7/365 for pool heating. We are evaluating the economics of using a smaller more efficient boiler dedicated to pool heating. The cost is estimated to be around \$65,000. If the payback of this measure turns out to be equal to or better than the LED lighting then we will trade off some of that scope for the pool heater project.
6. We are planning to do the entire scope of work by the end of the summer.
7. Note that classrooms and hallways already have motion sensors for lighting which will be left in tact.

8. We will also be working with the Fire Department to see if they will allow us to put emergency hallway lighting on the motion detectors. Every third light is currently on 24/7 for emergency lighting. The controls would be set up so that all emergency lights would come on with motion and automatically when the emergency generator comes on.



SETTI D. WARREN
MAYOR

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October 11, 2016

Honorable City Council
Newton City Hall
1000 Commonwealth Avenue
Newton Centre, MA 02459

Ladies and Gentlemen:

In accordance with Section 5-3 of the City of Newton Charter, I write to request that your Honorable Council docket for consideration the Fiscal Year 2018 – Fiscal Year 2022 Capital Improvement Plan.

Thank you for your consideration of this matter.

Sincerely,

Setti D. Warren
Mayor

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Newton City Hall
2016 OCT 11 AM 11:28
Deirda A. Cleary, City Clerk
Newton, MA 02459



SETTI D. WARREN
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April 10, 2017

Honorable City Council
Newton City Hall
1000 Commonwealth Avenue
Newton Centre, MA 02459

Ladies and Gentlemen:

In accordance with Section 5-1 of the City of Newton Charter, I write to request that your Honorable Council docket for consideration the submission of the FY2018-FY2022 Supplemental Capital Improvement Plan.

Thank you for your consideration of this matter.

Sincerely,

Setti D. Warren
Mayor

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