

CITY OF NEWTON

IN BOARD OF ALDERMEN

PUBLIC FACILITIES COMMITTEE AGENDA

WEDNESDAY, OCTOBER 21, 2009

**7:45 PM
ROOM 209**

ITEMS TO BE DISCUSSED:

Public Hearing assigned for October 21, 2009:

#351-09 ROBERT KELLY, for Edward Carey, 110 Staniford Street, petitioning for a sewer main extension to be constructed in STANIFORD STREET from an existing cleanout to be converted to a sewer manhole located at West Pine Street and Staniford Street 100'± northerly to a proposed sewer manhole in Staniford Street. (Ward 4) [10/13/09 @4:28 PM]

Public Hearing assigned for October 21, 2009:

#352-09 NSTAR ELECTRIC COMPANY petitioning for a grant of location to install 223'± of conduit in WOODWARD STREET from Woodward Street at Boylston Street northwesterly to Pole #478. (Ward 5) [10/01/09@ 2:12 PM]

Public Hearing assigned for October 21, 2009:

#353-09 NSTAR ELECTRIC COMPANY petitioning for a grant of location to install 375'± of conduit and two new manholes in MAPLE AVENUE from Church Street at Maple Avenue southerly to proposed Manhole #29138. (Ward 1) [09/22/09 @12:20 PM]

Public Hearing assigned for October 21, 2009:

#354-09 NSTAR ELECTRIC COMPANY petitioning for a grant of location to install 160'± of conduit in BEACON STREET from Manhole #16146 southwesterly 20'± to WYMAN STREET continuing 140'± southeasterly to Pole #479/11. (Ward 5) [09/22/09@12:21 PM]

Public Hearing assigned for October 21, 2009:

#355-09 NSTAR ELECTRIC COMPANY petitioning for a grant of location to install 310'± of conduit in WOODWARD STREET from Pole #478/49 southwesterly 285'± to BEACON STREET continuing 25'± southwesterly to Manhole #18408. (Ward 5) [09/22/09@12:21 PM]

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#288-09 HIS HONOR THE MAYOR requesting to appropriate and expend one million four hundred thousand dollars (\$1,400,000) from bonded indebtedness for the purpose of funding the installation of four modular classrooms at the Oak Hill Middle School and for design work for modulars at the Day Middle School. [09/15/09 @ 1:28 PM]

#457-08 ALD. LAPPIN AND SALVUCCI requesting discussion with NStar regarding the timely repair of City streetlights and the development of a standard response timeframe. [11/20/08 @ 12:51 PM]

#111-09 ALD. ALBRIGHT AND MANSFIELD requesting discussion of recent information (made available to the Land Use Committee) from NStar related to double poles, focusing on the 350 double poles waiting only for removal of wires or streetlights by the City of Newton.

.REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#361-09 HIS HONOR THE MAYOR requesting to appropriate and expend one million eight hundred thirty-six thousand dollars (\$1,836,000) for funding inflow and infiltration projects in the City Sewer system. The sources of funding will be a loan of \$1,009,800 and a grant of \$826,200. [10/13/09 @ 5:24 PM]

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#59-09(2) HIS HONOR THE MAYOR requesting authorization to appropriate and expend an additional eighty five thousand four hundred dollars (\$85,400) from bonded indebtedness for the purpose of entering into a contract with NORESKO to perform energy audits on the remaining municipal and school buildings that have not been audited.

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#59-09(3) HIS HONOR THE MAYOR requesting authorization to appropriate and expend three million six hundred seventy thousand dollars (\$3,670,000) from bonded indebtedness for the costs related to energy savings improvements to be undertaken by NORESKO, an Energy Services Company, at the Bigelow Middle School, Brown Middle School, Oak Hill Middle School, Education Center, City Hall, Police Headquarters, Police Annex, and Police Garage; said savings are designed to generate savings sufficient to offset the cost of the project. [09/29/09 @ 4:57 PM]

#385-07 ALD. SCHNIPPER AND GENTILE updating the Public Facilities Committee on the progress of the Newton North High School Project. [11/21/07 @ 10:23 AM]

ITEMS NOT SCHEDULED FOR DISCUSSION:

REFERRED TO PROG. &SER., PUB. FACILITIES & FINANCE COMMITTEES

#359-09 HIS HONOR THE MAYOR requesting authorization to appropriate and expend one million, nine hundred thirty thousand dollars (\$1,930,000) from Free Cash for the purpose of supplementing the snow and ice budgets in the Department of Public Works and the Parks and Recreation Department to be broken down as follows:

Public Works \$300,000 for salaries, \$525,000 equipment rental and \$650,000 for sand and salt.

Park and Recreation \$30,000 for salaries and \$425,000 for equipment rental.

[10/13/09 @ 5:24 PM]

#175-09 PUBLIC FACILITIES COMMITTEE requesting monthly updates from the Department of Public Works on the Commonwealth Avenue project. [06-03-09 @ 10:30 PM]

#126-09 ALD. LAPPIN requesting an update on the status of repairs and rental of the Kennard Estate. [04/17/09 @ 2:49 PM]

#239-09 ALD. PARKER requesting a resolution be sent to His Honor the Mayor requesting that the Rumford Avenue Recycling Center be reopened as soon as possible. [07/07/09 @ 12:45 PM]

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#289-09 ALD. PARKER requesting development of a property tax rebate program for households that opt for smaller trash containers. [09/08/09 @ 10:57 AM]

#174-09 ALD. YATES proposing a Resolution to the Public Buildings Commissioner urging that the City apply for funding through the Fire Station Reconstruction Program established by the American Recover and Rediscovery Act for the reconstruction of the next scheduled fire station.

#127-09 IRA KRONITZ requesting that the Board of Alderman rescind Board Order #289-03(4) dated November 20, 2006, relating to roadway modification plans for curb-line geometry changes to calm traffic at the intersection of Daniel and Jackson Streets. [04/28/09 3:48]

#289-03(6) JOHN S. MAYPOLE proposing a Resolution to the Commissioner of Public Works to install curb-line geometry at the intersection of Daniel and Jackson Streets as originally designed by the Traffic Engineer and approved by the Board of Aldermen on November 20, 2006.

#112-09 ALD. YATES requesting the City seek energy conservation funds from the American Re-Investment and Recovery Act to replace the energy inefficient boiler at the Emerson Community Center.

#82-09 ALD. SANGIOLO requesting the Executive Department apply for the Massachusetts Department of Energy Resource's Energy Audit Program for any and all municipal and school building facilities. [03/03/09 @ 1:19 PM]

REFERRED TO PS&T, PUBLIC FACILITIES AND FINANCE COMMITTEES

- #60-09 ALD. SANGIOLO, GENTILE AND HARNEY requesting the installation of traffic islands on CONCORD STREET to be funded with the Cabot, Cabot and Forbes Traffic Mitigation Fund for Lower Falls (Ward 4). [02/03/09 @ 1:01 PM]

RECOMMITTED TO FINANCE AND PUBLIC FACILITIES ON 02-17-09

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

- #13-09 HIS HONOR THE MAYOR requesting authorization to appropriate and expend three hundred eighty-five thousand dollars (\$385,000) from bonded indebtedness to the Public Works Department for the purpose of replacing both the salt shed and the Quonset hut at Crafts Street. [12/30/08 @ 5:04 PM]
PUBLIC FACILITIES APPROVED 4-0-2 (Ald. Gentile and Mansfield abstaining) on 01-07-09
FINANCE APPROVED 2-1-3 (Ald. Gentile opposed; Ald. Parker, Lennon and Freedman abstaining) on 02/09/09

REFERRED TO PUBLIC FACILITIES AND PROGRAMS & SERVICES

- #8-09 ALD. HESS-MAHAN LINSKY, ALBRIGHT, FREEDMAN, MANSFIELD, JOHNSON, HARNEY & VANCE proposing an ordinance requiring that the installation of synthetic in-filled turf athletic fields on city-owned property shall use sustainable, recyclable, lead-free, non-toxic products to the maximum extent feasible. [12/30/08 @ 9:55 AM]
- #368-08 ALD. LINSKY requesting approval of the Board of Aldermen of the design for improvements affecting the area where Walnut Street, Lowell Avenue and Watertown Street intersect including a traffic island, curb extensions and the dead ending of Lowell Avenue. [10/14/08 @ 12:53 PM]
- #309-08 ALD. BAKER AND DANBERG requesting a discussion with the Commissioner of Public Works regarding street signage at intersections as well as signage and house number visibility in order to assist citizens and public safety personnel in locating addresses.
- #297-08 NSTAR ELECTRIC COMPANY petitioning for a grant of location to relocate Pole #223/5 on the westerly side of IRVING STREET ± 129' north of Commonwealth Avenue (Ward 7). [07/21/08 @ 11:02 AM]

REFERRED TO PROG. & SERV. AND PUBLIC FACILITIES COMMITTEES

- #271-08 ALD. JOHNSON proposing a RESOLUTION to His Honor the Mayor requesting that he work with the Board of Aldermen, the Parks and Recreation Department, and the Department of Public Works in order to determine the most effective and efficient way to organize the work of managing our public resources. [07/17/08 @ 9:53 AM]
- #241-08 ALD. SCHNIPPER requesting an update on the progress of the design for the reconstruction of Needham Street. [6/13/08 @ 11:45 AM]

#208-08 ALD. GENTILE, SALVUCCI AND SCHNIPPER requesting a discussion on establishing a permanent Building Committee in the City of Newton. [05/16/08 @ 11:47 AM]

REFERRED TO COMMUNITY PRESERVATION & FINANCE COMMITTEES

#147-08 COMMUNITY PRESERVATION COMMITTEE recommending that the sum of \$359,400, including \$2,000 for legal costs, be appropriated from the FY'08 Community Preservation Fund's historic resources and general reserves, for a project to rehabilitate and expand storage space for the research library and archives at the Newton History Museum, to preserve the existing collections, and enhance public access to the collections. [04/01/08 @ 4:10 PM]
COMMUNITY PRESERVATION APPROVED 6-0 on 4-29-08

REFERRED TO PROG. & SERV., PUB.FAC. AND FINANCE COMMITTEES

#89-08 ALD. PARKER requesting the following:
A) review of the maintenance practices for buildings, parks and other properties owned by the City (including School Department facilities and grounds)
B) development of a comprehensive maintenance plan that includes regular schedules for preventive maintenance for each specific site or facility
C) a RESOLUTION requesting that implementation of said maintenance plan be funded using operating budget funds. [02/13/08 @ 12:07 PM]

Re-appointment by Board President

#50-08 PRESIDENT BAKER recommending Joseph Michelson, 94 Park Avenue, Newton be re-appointed as an Aldermanic appointee to the DESIGNER SELECTION COMMITTEE, term of office to expire 12/31/09. [01/17/08 @ 3:48 PM]

Re-appointment by the Board President

#48-08 ALD. BAKER recommending Lawrence Bauer, 42 Eliot Memorial Road, Newton, be re-appointed as an Aldermanic appointee to the DESIGNER SELECTION COMMITTEE, term of office to expire 12/31/09. [01/17/08 @ 3:48 PM]

Re-appointment by Board President

#46-08 PRESIDENT BAKER recommending Robert O. Smith, P.E., 55 Chester Street, Newton Highlands be re-appointed as an Aldermanic appointee to the DESIGN REVIEW COMMITTEE, term of office to expire 12/31/09. [01/17/08 @ 3:48 PM]

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#31-08 ALD. COLETTI proposing a RESOLUTION to His Honor the Mayor expressing a no confidence vote pertaining to the current status of the Newton North High School Construction Project and related Financing Plan. [01/15/08 @ 11:14 AM]

**ITEM RECOMMITTED TO PUBLIC FACILITIES AND FINANCE ON 6/19/08
REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES**

- #11-08 HIS HONOR THE MAYOR requesting an appropriation in the amount of \$1,200,000 from bonded indebtedness for the purpose of funding the installation of four modular classrooms. [01/02/08 @ 4:53 P.M.]
B) \$1,225,000 from bonded indebtedness
NOTE: Letter received from Mayor on 1/4/08 requesting that appropriation amount be amended to \$1.3 million. Letters received 5/7 and 5/21 requesting that the funding source to capital stabilization for costs incurred for design work and the remaining \$1,225,000 from bonded indebtedness be voted no action necessary. Part A) \$75,000 from Capital Stabilization approved on 6/19/08.
- #352-07 ALD. SANGIOLO AND PARKER request Turner Construction, Project Manger for the Newton North High School Project and the DEP representative overlooking this project to discuss the issues and concerns raised regarding asbestos removal, transportation and disposal for the Newton North site and also information on 5,000 cubic feet of loam being removed to the Elliot Street and Rumford Avenue Yards. [10/17/07 @ 11:54 AM]
- #351-07 ALD. PARKER AND SALVUCCI requesting that the Department of Public Works create an inventory and inspection regimen of bridges and culverts less than 20' in length and develop a maintenance plan for all city-owned bridges including those over 20', as recommended by the Undersecretary of Public Works at the Executive Office of Transportation, Robert Rooney. [10/17/07 @ 12:11 PM]
- #253-07 ALD. LINSKY ALBRIGHT, JOHNSON, HARNEY, SANGIOLO, SALVUCCI, MANSFIELD, BURG, SCHNIPPER requesting (1) a review as to how provisions of applicable ordinances, specifically 5-58, were implemented during the course of the Newton North project, and (2) consider proposed revisions of 5-58 including, but not limited to:
(a) timely provision of documentation by the public building department to the Board of Aldermen and Design Review Committee;
(b) establishment of liaison committees to facilitate communications and input from neighborhoods affected by projects subject to this ordinance;
(c) approval of final design plans by the Board of Aldermen of projects subject to this ordinance;
(d) oversight during the construction phase of projects subject to this ordinance by appropriate Board committee(s) both in respect to approval of change orders as well as design changes; and
(e) generation of a required record detailing the entire construction process by the public building department to guide present and future oversight of projects subject to this ordinance. [08/07/07 @ 3:12 PM]
- #54-07 ALD. SANGIOLO requesting discussion with the School Department and the Public Buildings Department about giving the School Department increased control over maintenance of school building facilities thereby allowing the School Department to have direct authority to deploy/hire staff to make necessary repairs to their school facilities. [02/09/07 @ 1:46 PM]

- #451-06 KEYSPAN ENERGY petitioning for a grant of location to install and maintain 450' ± of 8" gas main in HULL STREET from the existing 8" gas main in Hull street at 90 Hull Street easterly to the existing 6" gas main in Hull Street at 60 Hull Street. All of which is to replace the existing 4" gas main in Hull Street, which is to be abandoned. [11/15/06 @ 11:19 AM
- #345-06 ALD. SCHNIPPER requesting that the contingency on smaller Public Buildings projects be increased from 5% to at least 8%.
- #294-06 ALD. SAMUELSON requesting creation of a method for the collection of parking meter receipts to ensure maximum collection.
- #280-06 ALD. SANGIOLO proposing an Ordinance to create a Building Committee made up of Finance, Construction and Building experts in addition to several Aldermen to oversee construction and renovation projects in all municipal buildings.
- #226-06 ALD. LINSKY requesting discussion of initiatives in respect to monitoring of water meter readings to better inform water and sewer users of significant increases in usage.
- #178-06 ALD. SCHNIPPER, LINSKY AND ALBRIGHT requesting a report on the commissioning of Newton South High School.
- #159-06 PRESIDENT BAKER & ALD. SCHNIPPER presenting the City of Newton Energy Action Plan for review and such action that may be appropriate by the Board of Aldermen.
- #155-06 JAMES A. BLACKBURN, 105 Wood End Road, Newton Highlands petitioning for laying out, grading and acceptance of WOOD END ROAD as a public way from the intersection of Mountfort Road westerly to the intersection of Nantucket Road (a distance of 360'±) to be the width of 45'.
- #152-06 PS&T COMMITTEE requesting discussion re Road Classification Design Types (as outlined by the Planning and Development Department) for future use as an overall management tool for the City.
- #84-06 COMMISSIONER OF PUBLIC WORKS requesting a waiver from the Board of Aldermen of surfacing materials used on the sidewalk of a public way in front of 161 Pond Brook Road, as provided in §26-47 of the City of Newton Ordinances.
- #424-05 ALD. SANGIOLO & HARNEY requesting an update from the School Department regarding the energy audit that was begun during last year's budget review.
- #467-04 ALD. YATES AND SCHNIPPER requesting a response from the Commissioner of Public Works to the findings of the Environmental Protection Agency that pollution enters the Charles River from Newton.

#386-04 ALD. SANGIOLO, HESS-MAHAN, JOHNSON, AND DANBERG proposing an ordinance to require that designers selected have LEED certification and include high performance/life cycle analysis for all municipal construction projects in the City of Newton.

ITEM REFERRED BY PUBLIC SAFETY & TRANSPORTATION:

#321-04(2) ALD. JOHNSON requesting a RESOLUTION to His Honor the Mayor requesting that he expeditiously as possible find funding to create traffic calming measures on Mill Street as requested by the Traffic Council.

#246-04 COMMISSIONER OF PUBLIC WORKS requesting approval of the 25% design plan submittal for Walnut Street from Homer Street to Centre Street including a small section of Centre Street to Route 9.

#178-04(2) ALD. LAPPIN requesting an update on progress and implementation of the construction information database.

#104-04 ALD. YATES requesting a report from the Chief of Police as to how the ordinance prohibiting the blockage of sidewalks with snow can be more easily enforced.

REFERRED TO PUB FAC. AND PUB SAF & TRANS. COMMITTEES

#35-04 ALD. SAMUELSON AND DANBERG requesting an ordinance amendment to Section 26-8 of the City of Newton Revised Ordinances, 2001 to require all property owners or residents to remove snow from sidewalks abutting their property.

#522-03 ALD. PARKER AND LENNON requesting an ordinance amendment to improve enforcement related to snow removal.

REFERRED TO PROG. & SERV., PUB. FAC. AND FINANCE COMMITTEES

#309-01 ALD. PARKER requesting increase in the income eligibility level of the 30% water/sewer discount for low-income senior citizens.

94-99 RALPH S. ROBART 28 Richardson Road, Petition for Laying Out, Grading, and Acceptance of RICHARDSON ROAD from Route 9 northerly 180'± to be the width of 30 feet.

Respectfully submitted,

Sydra Schnipper, Chairman

Final Label Report

staniford

SBL	Owner	Number	Street	Unit
41031 0038F	JANG WOCHAN	83	STANIFORD ST	7
41031 0038	SZEKELY MARY LOUISE	83	STANIFORD ST	1
41031 0038A	GOLDMAN MICHAEL M & AMY B	83	STANIFORD ST	2
41031 0038B	XING HEMING	83	STANIFORD ST	3
41031 0038C	PRICE RONALD F	83	STANIFORD ST	4
41031 0038D	FALK LAURENCE	83	STANIFORD ST	5
41031 0038E	BOUDREAU ALBERT T JR	83	STANIFORD ST	6
41029 0005	KIMBALL GEORGE W	84	STANIFORD ST	
41031 0038H	SANDHU JANAK & HARTEJ S	85	STANIFORD ST	2
41031 0038J	KAPLAN LEAH S TR	85	STANIFORD ST	3
41031 0038K	ZOCCO BRYAN & KELLY	85	STANIFORD ST	4
41031 0038G	RUNDLETT ROBERT D & VERA L	85	STANIFORD ST	1
41031 0038M	WHITESTONE ALLEN TR	89	STANIFORD ST	2
41031 0038L	MCARDLE MARY L	89	STANIFORD ST	1
41031 0038P	GORDON PHYLLIS	89	STANIFORD ST	4
41031 0038Q	ARNDT MARGARETE	89	STANIFORD ST	5
41031 0038R	HILL DAVID TR	89	STANIFORD ST	6
41031 0038S	WEISS DAVID J	89	STANIFORD ST	7
41031 0038N	ZHUKOVSKY GEORGE	89	STANIFORD ST	3
41031 0038V	MISHOL TINA P	91	STANIFORD ST	3
41031 0038Y	HAMEL ANDREA K	91	STANIFORD ST	6
41031 0038X	WOODS DEIRDRE MARIE	91	STANIFORD ST	5
41031 0038AA	POLLACK SIDNEY D TR	91	STANIFORD ST	8
41031 0038U	DEMEO MICHAEL J TR	91	STANIFORD ST	2
41031 0038T	CHEN CHUN-YU	91	STANIFORD ST	1
41031 0038Z	LUCAS PAUL J & JUDITH FINN TRS	91	STANIFORD ST	7
41031 0038W	ITO YUKIHISA	91	STANIFORD ST	4
41031 0027A	CUNNINGHAM ROBERT LEE	99	STANIFORD ST	
41029 0004	CAREY RICHARD J & PATRICIA M	102	STANIFORD ST	
41031 0027	FAGAN DANIEL P & SHARON M C	103	STANIFORD ST	
41029 0003	CAREY EDWARD J & REGINA E	110	STANIFORD ST	
41031 0028	QUINN MICHAEL J	115	STANIFORD ST	
41029 0002	BARTLETT NORMAN E II	116	STANIFORD ST	
41029 0001	WEINBERG JEAN	124	STANIFORD ST	
41031 0029	COX JEFFREY M	45	WEST PINE ST	

CITY OF NEWTON
ENGINEERING DIVISION

MEMORANDUM

To: Ald. Sydra Schnipper, Facilities Committee Chair.

From: John Daghlian, Associate City Engineer

Re: Sanitary Sewer main Extension 110 Staniford Street

Date: October 16, 2009

CC: Lou Taverna, PE Director of Utilities (via email)
Shawna Sullivan, Associate City Clerk (via email)

In reference to the above location, the following are my comments for a plan entitled:

110 Staniford Street
Proposed Sewer Connection
Prepared By: Verne T. Porter, Jr., PLS
Dated: September 17, 2009
Revised: 10-14-'09
Land taking for Common Sewer
Dated: October 15, 2009
Prepared By: Verne T. Porter, Jr., PLS

Executive Summary of Proposed Work:

The proposal is to extend the existing sanitary sewer main approximately 100-feet northeasterly to provide a service connection to #110 Staniford Street. The service connection will be gravity flow from the dwelling to the proposed 100-foot main extension. The applicants are funding 100% of the installation cost.

1. All downstream catch basins shall be retrofitted with an approved type of siltation control devices, details of this shall be submitted to the City Engineer. The contractor of record shall maintain these catch basins throughout the construction process, and ensure that street and property flooding does not occur during construction.

2. A permanent patch detail of the trench restoration is needed.
3. The contractor of record shall contact the Newton Police Department and arrange for Police Detail to help residents navigate around the construction equipment and since the street has underground nature gas main, the Police Officer can contact emergency response personnel.
4. The applicants will have to grant a permanent easement to the City for future access and maintenance of the sanitary sewer main. This easement document and plan shall be recorded at the Middlesex Registry of Deeds prior to the acceptance of the sanitary sewer main. The easement plan submitted is acceptable and needs to be recorded.
5. The proposed main, manholes, and service connections shall be pressure tested in accordance to the City's Construction Standards. A representative of the Engineering Division shall witness the testing, 48-hours prior notification shall be given prior to the inspection.
6. The test results shall be submitted in type written report format to the City Engineer.
7. Upon final installation & testing of the sewer system an As Built drawing [plan & profile] indicating rim, invert elevations, and slopes shall be submitted in digital and hard copy (Mylar) format to the City Engineer.
8. The applicant's contractor shall apply for a Utility Connection and Street Permit with the DPW prior to any construction. Since this is a private way, no street opening permit will be required.

If you have any questions or concerns please call me at 617-796-1023.

PETITION FOR GRANT OF LOCATION

To the Petitioner:

City of Newton Ordinance Section 23-52 requires that each petition for grant of location be submitted to the Public Works Department for a preliminary review before the applicant files the petition with the Board of Aldermen. The comments of the Public Works Commissioner will be part of the record submitted to the Board of Aldermen. Upon filing with the Board of Aldermen, the petition will be scheduled for a public hearing before the Public Facilities Committee of the Board of Aldermen. **The petitioner is responsible for insuring that the petition is complete and all required materials are in order for review.** Attached please find the City Engineer's Standard Requirements for Plans.

Grant of Location Process:

1. Applicant submits completed Petition Form and required materials to Clerk of the Board's Office
2. Engineering Division of Public Works conducts preliminary review and provides written comments (estimated timeframe two weeks)
3. If there is no conflict, the Public Works Department files Petition Form with the Clerk of the Board. Petitioner has the right to file contested petition form to the Clerk of the Board.
4. Board of Aldermen schedules petition for a public hearing before the Public Facilities Committee of the Board of Aldermen
5. Public Facilities Committee recommendations are forwarded to the Board of Aldermen for a final decision

Questions may be directed to:

Shawna Sullivan, Committee Clerk, 796-1213
John Daghlian, City Engineer, 796-1029

NEWTON
CITY ENGINEER'S
OFFICE
09/24/09 2:12 PM

I. IDENTIFICATION (Please Type or Print Clearly)

Company Name NSTAR Electric

Address 200 Calvary Street

Waltham, MA 02453

Phone Number 617-369-6421

Fax Number 617-369-6328

Contact Person Maura Carroll

Title Right of Way Agent

Signature Maura Carroll
Person filing application

Date 9/24/09

If a telecommunications company, indicate how certified by the Department of Telecommunications and Energy:

II. DESCRIPTION OF PROJECT: to be completed by petitioner

A. Write here or attach a description of the project including, location, proposed time frame for ^{#352-09} completion, type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.

Woodward Street - At and Northwesterly from Boylston Street a distance of about 222'±. Conduit

Boylston Street - At and Southeasterly from Woodward Street a distance of about 65'± Feet - Conduit

B. Attach a sketch to provide a visual description of the project. If plans are attached, provide:

Title of Plan Woodward + Boylston St Date of Plan 8-28-09
Newton

09 OCT - 1 PM 2:12
CITY CLERK
NEWTON, MA. 02159

III. PUBLIC WORKS DEPARTMENT REVIEW

Date received by Public Works Department _____

Check One:

Minor Project

Major Projects

Lateral

(Refer to City Engineer Standard Requirements for Plans for definition of minor and major project)

Plans Submitted:

Certified Plot Plan

Stamped Plans

DATE AND COMMENTS:

10/14/09

- 1. Mass. DPW permit required for work on Boylston St. R.O.W.
- 2. Street opening permit required from Newton DPW
- 3. Notify Engineering 48 hours prior to work
- 4. Police detail required

M. J. Weather

RECOMMENDATIONS:

- 1. 36" minimum cover on all Trenches
- 2. Backfill shall be excavatable flowable fill
- 3. Recently paved section of Woodward St. shall be cold planed 1 1/2" and overlaid with bituminous concrete within limits shown on plan.
- 4. Bituminous concrete roadway shall be replaced in kind to City of Newton Specifications.
- 5. Concrete curb shall be replaced if broken or reinstalled to original grade.
- 6. Traffic shall be maintained on Woodward St.

IV. RECOMMENDATION TO PUBLIC FACILITIES COMMITTEE:

Commissioner, Public Works

10/16/09

Date



200 Calvary Street
Waltham, Massachusetts 02453

September 24, 2009

Board of Aldermen
City Hall
Newton, MA 02159

09 OCT - 1 PM 2:12
CITY CLERK
NEWTON, MA. 02159

RE: **Woodward & Boylston Street**
Newton, MA
W.O. #1723780

Dear Members of the Board:

The enclosed petition and plan is being presented by the NSTAR Electric Company for the purpose of obtaining a Grant of Location to install 288'± feet of conduit in Woodward and Boylston Street Newton.

This work is necessary for new circuit for system improvement @ Woodward and Boylston Street.

If you have any further questions, contact Maureen Carroll @ (617) 369-6421. Your prompt attention to this matter would be greatly appreciated.

Very truly yours,

A handwritten signature in cursive script that reads "William D Lemos".

William D Lemos-Supervisor
Rights & Permits Supervisor

WDL/aw
Attachments

PETITION OF NSTAR ELECTRIC COMPANY FOR LOCATION FOR CONDUITS AND MANHOLES

To the **Board of Aldermen** of the City of **Newton** Massachusetts

Respectfully represents NSTAR ELECTRIC COMPANY a company incorporated for the transmission of electricity for lighting, heating or power, that it desires to construct a line for such transmission under the public way or ways hereinafter specified.

WHEREFORE, your petitioner prays that, after due notice and hearing as provided by law, the Board may by Order grant to your petitioner permission to construct, and a location for, such a line of conduits and manholes with the necessary wires and cables therein, said conduits and manholes to be located substantially as shown on the plan made by **A. DeBenedictis** Dated **08/28/09** and filed herewith, under the following public way or ways of said City:

09 OCT -11 PM 2:12
CITY OF NEWTON

Woodward Street - At and Northwesterly from Boylston Street a distance of about 223'± conduit

Boylston Street - At and Southeasterly from Woodward Street a distance of about 65'± feet - conduit

WO.1723780

NSTAR ELECTRIC COMPANY

By: William D. Lemos
William D. Lemos, Supervisor
Rights and Permits

Dated this 24th of September, 2009

City of Newton, Massachusetts

Received and filed _____, 2009

ORDER FOR LOCATION FOR CONDUITS AND MANHOLES

City of NEWTON Massachusetts, _____, 2009 #352-09

In Board of Aldermen

WHEREAS, NSTAR ELECTRIC COMPANY has petitioned for permission to construct a line for the transmission of electricity for lighting, heating, or power under the public way or ways of the City hereinafter specified, and notice has been given and a hearing held on said petition as provided by law.

It is ORDERED that NSTAR ELECTRIC COMPANY be and hereby is granted permission to construct, and a location for, such a line of conduits and manholes with the necessary wires and cables therein under the following public way or ways of said City:

Woodward Street - At and Northwesterly from Boylston Street a distance of about 223'± conduit

Boylston Street - At and Southeasterly from Woodward Street a distance of about 65'± feet - conduit

09/28/09 - 1 PM 2:15
CITY CLERK
NEWTON, MA 02459

WO.1723780

All construction work under this Order shall be in accordance with the following conditions:

1. Conduits and manholes shall be located as shown on made by A. DeBenedictis plan dated Revised 08/28/09.
2. Said Company shall comply with the requirements of existing ordinances and such as may hereafter be adopted governing the construction and maintenance of conduits and manholes.
3. All work shall be done to satisfaction of the Board of Aldermen or such officer or officers as it may appoint to supervise the work.

A True Record. Attest: _____
City Clerk

Approved _____ 2009

Mayor

CERTIFICATE

I hereby certify that the foregoing Order was adopted after due notice and public hearing as prescribed by Section 22 of Chapter 166 of the General Laws (Ter. Ed.) and any additions thereto or amendments thereof, to wit:--after written notice of the time and place of the hearing mailed at least seven days prior to the date of the hearing by the City Clerk to all owners of real estate abutting upon that part of the way or ways upon, along or across which the line is to be constructed under said Order, as determined by the last preceding assessment for taxation and a public hearing held on the ___ day of _____ 2009, at Board of Aldermen in the said City

City Clerk

CERTIFICATE

I hereby certify that the foregoing are true copies of the Order of the Board of Aldermen of the City of NEWTON Massachusetts duly adopted on the _____ day of _____, 2009 and recorded with the records of location Orders of said City. Book ___ Page ___ and of the certificate of notice of hearing thereon required by Section 22 of Chapter 166 of the General Laws (Ter. Ed.), and any additions thereto or amendments thereof, as the same appear of record.

Attest: _____

Clerk of City of NEWTON, Massachusetts

Final Label Report

Woodward

SBL	Owner	Number	Street	Unit
52043 0022	ABBER JULES B	991-1001	BOYLSTON ST	
54041 0012	GODINO THOMAS D TR	1005	BOYLSTON ST	
52042 0001	HERMENS ROSALEE K	170	LINCOLN ST	
52043 0023	BURKE DOROTHY A TR	15-17	WOODWARD ST	
52043 0024	TIAN WANG NI	19-21	WOODWARD ST	
54041 0011	PAONE MICHAEL A	20	WOODWARD ST	
54041 0010	LAU LEUNG YAN & LO SIUYI	22	WOODWARD ST	
52043 0025	NEWMAN BEVERLY W TR	25-27	WOODWARD ST	
54041 0009	ARCESE ALBERT TR	28	WOODWARD ST	
54041 0008	MCKNIGHT RICHARD T & SONYA	38	WOODWARD ST	
52042 0023	FELDSTEIN MICHAEL S & AMY M	39	WOODWARD ST	
52042 0024	CHURCHILL MARK C	41	WOODWARD ST	
52042 0025	DAMON CHARLES W JR	47	WOODWARD ST	
54041 0007	RAOUF FIRAS A	48	WOODWARD ST	
54041 0006	WALSH MARY GERTRUDE HEIRS OR DEV	54	WOODWARD ST	

PETITION FOR GRANT OF LOCATION

To the Petitioner:

City of Newton Ordinance Section 23-52 requires that each petition for grant of location be submitted to the Public Works Department for a preliminary review before the applicant files the petition with the Board of Aldermen. The comments of the Public Works Commissioner will be part of the record submitted to the Board of Aldermen. Upon filing with the Board of Aldermen, the petition will be scheduled for a public hearing before the Public Facilities Committee of the Board of Aldermen. **The petitioner is responsible for insuring that the petition is complete and all required materials are in order for review.** Attached please find the City Engineer's Standard Requirements for Plans.

Grant of Location Process:

1. Applicant submits completed Petition Form and required materials to Clerk of the Board's Office
2. Engineering Division of Public Works conducts preliminary review and provides written comments (estimated timeframe two weeks)
3. If there is no conflict, the Public Works Department files Petition Form with the Clerk of the Board. Petitioner has the right to file contested petition form to the Clerk of the Board
4. Board of Aldermen schedules petition for a public hearing before the Public Facilities Committee of the Board of Aldermen
5. Public Facilities Committee recommendations are forwarded to the Board of Aldermen for a final decision

09 SEP 23 AM 8:50
CITY CLERK
NEWTON, MA 02459

Questions may be directed to:

Shawna Sullivan, Committee Clerk, 796-1213
John Daghljan, City Engineer, 796-1029

I. IDENTIFICATION (Please Type or Print Clearly)

Company Name NSTAR Electric
Address 200 CSHVRY Street
Waltham, MA 02453
Phone Number 617-369-6421 Fax Number 617-369-6328
Contact Person Maureen Carroll Title Right of Way Agent
Signature Maureen Carroll Date 9/21/09
Person filing application

If a telecommunications company, indicate how certified by the Department of Telecommunications and Energy:

II. DESCRIPTION OF PROJECT: to be completed by petitioner

A. Write here or attach a description of the project including, location, proposed time frame for #353-09 completion, type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.

MAPLE AVE - At 9th Southely From Church Street
9 distance of about 375'± feet - conduit
Install Two (2) New manholes 29197
and 29198

B. Attach a sketch to provide a visual description of the project. If plans are attached, provide:

Title of Plan MAPLE AVE, Newton Date of Plan 9-2-09

09 SEP 23 AM 8:50
CITY CLERK
NEWTON, MA 02159

III. PUBLIC WORKS DEPARTMENT REVIEW

Date received by Public Works Department _____

Check One:

Minor Project Major Projects Lateral

(Refer to City Engineer Standard Requirements for Plans for definition of minor and major project)

Plans Submitted:

Certified Plot Plan Stamped Plans

DATE AND COMMENTS:

10/14/09

1. Street opening permit required from Newton DPW
2. Notify Engineering 48 hours prior to work.
3. Police detail required
G. J. O'Brien

RECOMMENDATIONS:

1. 36" minimum cover on all trenches
2. Backfill shall be excavatable flowable fill
3. Bituminous concrete roadway shall be replaced in kind to City of Newton Specifications
4. Resident access shall be maintained on Maple Ave.

IV. RECOMMENDATION TO PUBLIC FACILITIES COMMITTEE:


Commissioner, Public Works

10/16/09
Date



200 Calvary Street
Waltham, Massachusetts 02453

09 SEP 22 PM 12: 20
CITY CLERK
NEWTON, MA. 02159

September 18, 2009

Board of Aldermen
City Hall
Newton, MA 02159

RE: **Maple Ave**
Newton, MA
W.O. #1724747

Dear Members of the Board:

The enclosed petition and plan is being presented by the NSTAR Electric Company for the purpose of obtaining a Grant of Location to install approximately 375'± feet of conduit in Maple Ave, Newton.

This work is necessary to upgrade for system improvement @ Maple Ave Newton.

If you have any further questions, contact Maureen Carroll @ (617) 369-6421. Your prompt attention to this matter would be greatly appreciated.

Very truly yours,

A handwritten signature in cursive script, appearing to read "William D Lemos".

William D Lemos-Supervisor
Rights & Permits Supervisor

WDL/amw
Attachments

PETITION OF NSTAR ELECTRIC COMPANY FOR LOCATION FOR CONDUITS AND MANHOLES

To the Board of Aldermen of the City of Newton Massachusetts

Respectfully represents NSTAR ELECTRIC COMPANY a company incorporated for the transmission of electricity for lighting, heating or power, that it desires to construct a line for such transmission under the public way or ways hereinafter specified.

SEP 23 11:03 AM '09
CITY BOARD
NEWTON, MASS.

WHEREFORE, your petitioner prays that, after due notice and hearing as provided by law, the Board may by Order grant to your petitioner permission to construct, and a location for, such a line of conduits and manholes with the necessary wires and cables therein, said conduits and manholes to be located substantially as shown on the plan made by A. DeBenedictis Dated 09/02/09 and filed herewith, under the following public way or ways of said City:

Maple Ave - At and Southerly from Church Street a distance of about 375± feet - conduit

Install Two (2) New Manholes 29197 and 29198

WO# 1724747

NSTAR ELECTRIC COMPANY

By: William D. Lemos
William D. Lemos, Supervisor
Rights and Permits

Dated this _____ 16th of _____ September _____, 2009

City of _____ **Newton,** _____ Massachusetts

Received and filed _____, 2009

ORDER FOR LOCATION FOR CONDUITS AND MANHOLES

City of NEWTON Massachusetts, _____, 2009 **#353-09**

In Board of Aldermen

WHEREAS, NSTAR ELECTRIC COMPANY has petitioned for permission to construct a line for the transmission of electricity for lighting, heating, or power under the public way or ways of the City hereinafter specified, and notice has been given and a hearing held on said petition as provided by law.

It is ORDERED that NSTAR ELECTRIC COMPANY be and hereby is granted permission to construct, and a location for, such a line of conduits and manholes with the necessary wires and cables therein under the following public way or ways of said City:

Maple Ave - At and Southerly from Church Street a distance of about 375'± feet - conduit

Install Two (2) New Manholes 29197 and 29198

WO# 1724747

09 SEP 23 AM 8:55
CITY CLERK
NEWTON, MA 02459

All construction work under this Order shall be in accordance with the following conditions:

1. Conduits and manholes shall be located as shown on made by A. DeBenedictis plan dated Revised 09/02/09.
2. Said Company shall comply with the requirements of existing ordinances and such as may hereafter be adopted governing the construction and maintenance of conduits and manholes.
3. All work shall be done to satisfaction of the Board of Aldermen or such officer or officers as it may appoint to supervise the work.

A True Record. Attest: _____
City Clerk

Approved _____ 2009

Mayor

CERTIFICATE

I hereby certify that the foregoing Order was adopted after due notice and public hearing as prescribed by Section 22 of Chapter 166 of the General Laws (Ter. Ed.) and any additions thereto or amendments thereof, to wit:--after written notice of the time and place of the hearing mailed at least seven days prior to the date of the hearing by the City Clerk to all owners of real estate abutting upon that part of the way or ways upon, along or across which the line is to be constructed under said Order, as determined by the last preceding assessment for taxation and a public hearing held on the ___ day of _____ 2009, at Board of Aldermen in the said City

City Clerk

CERTIFICATE

I hereby certify that the foregoing are true copies of the Order of the Board of Aldermen of the City of NEWTON Massachusetts duly adopted on the _____ day of _____, 2009 and recorded with the records of location Orders of said City. Book ___ Page ___ and of the certificate of notice of hearing thereon required by Section 22 of Chapter 166 of the General Laws (Ter. Ed.), and any additions thereto or amendments thereof, as the same appear of record.

Attest: _____
Clerk of City of NEWTON, Massachusetts

Final Label Report

Maple

SBL	Owner	Number	Street	Unit
12018 0027A	BOGER KENNETH S & ROBIN Z	200	CHURCH ST	B
12018 0027	BOGER KENNETH S & ROBIN Z	200	CHURCH ST	A
12018 0030	DINGER HENRY C	206	CHURCH ST	
12018 0016	BANERJEE GORA C & GOURI	218	CHURCH ST	
12018 0017	ANDERSON DEAN W	11	MAPLE AVE	
12018 0029	KANE MATTHEW K	14	MAPLE AVE	
12018 0018	MACGILLIVRAY JOHN MICHAEL	15-17	MAPLE AVE	15
12018 0018A	SHATTUC JANE	15-17	MAPLE AVE	17
12018 0028	CHARKOUDIAN LEON & BETHEL	18-20	MAPLE AVE	
12018 0019	LILLIE BARBARA B	19	MAPLE AVE	
12018 0020	HEROUN JOSEPH	25	MAPLE AVE	
12018 0025	WENTZELL LLOYD C & RETA C TRS	26	MAPLE AVE	
12018 0024	MADDEN THOMAS M TR	32	MAPLE AVE	
12018 0021	BRANT JONATHAN & RENE	33	MAPLE AVE	
12018 0026	CICCOLO WALTER T & MARSHA ELLEN	11-13	MAPLE CIR	
12018 0020A	LEWIS LAWRENCE L	9	MAPLE TER NNC	
12018 0003	WAGNER JORDAN LEE	14	MAPLE TER NNC	
12018 0004A	LOBRON DAVID & ALISON T/E	15	MAPLE TER NNC	2
12018 0004	FROMM SANDRA E TR	15	MAPLE TER NNC	1

PETITION FOR GRANT OF LOCATION

To the Petitioner:

City of Newton Ordinance Section 23-52 requires that each petition for grant of location be submitted to the Public Works Department for a preliminary review before the applicant files the petition with the Board of Aldermen. The comments of the Public Works Commissioner will be part of the record submitted to the Board of Aldermen. Upon filing with the Board of Aldermen, the petition will be scheduled for a public hearing before the Public Facilities Committee of the Board of Aldermen. **The petitioner is responsible for insuring that the petition is complete and all required materials are in order for review.** Attached please find the City Engineer's Standard Requirements for Plans.

NEWTON
CITY CLERK
02158
SEP 23 AM 8:55

Grant of Location Process:

1. Applicant submits completed Petition Form and required materials to Clerk of the Board's Office
2. Engineering Division of Public Works conducts preliminary review and provides written comments (estimated timeframe two weeks)
3. If there is no conflict, the Public Works Department files Petition Form with the Clerk of the Board. Petitioner has the right to file contested petition form to the Clerk of the Board.
4. Board of Aldermen schedules petition for a public hearing before the Public Facilities Committee of the Board of Aldermen
5. Public Facilities Committee recommendations are forwarded to the Board of Aldermen for a final decision

Questions may be directed to:

Shawna Sullivan, Committee Clerk, 796-1213
John Daghlian, City Engineer, 796-1029

I. IDENTIFICATION (Please Type or Print Clearly)

Company Name NSTAR ELECTRIC

Address 200 CALVARY STREET
WALTHAM, MA 02453

Phone Number 617-369-6421 Fax Number 617-369-6328

Contact Person Mauraen Carroll Title Right of Way Agent

Signature Mauraen Carroll Date 9-17-09
Person filing application

If a telecommunications company, indicate how certified by the Department of Telecommunications and Energy:

II. DESCRIPTION OF PROJECT: to be completed by petitioner

A. Write here or attach a description of the project including, location, proposed time frame for #354-09 completion, type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.

Wyman Street - AT+ Southeastly From Beacon Street
a distance of about 140'± Feet - conduit

Beacon Street - South Westly. Approximately 110' Feet North West
of Wyman Street. a distance of about 20' feet -
conduit

B. Attach a sketch to provide a visual description of the project. If plans are attached, provide:

Title of Plan Wyman Street, Newton Date of Plan 8-25-09

09 SEP 23 AM 8:53
CITY CLERK
NEWTON, MA 02459

III. PUBLIC WORKS DEPARTMENT REVIEW

Date received by Public Works Department _____

Check One:

Minor Project

Major Projects

Lateral

(Refer to City Engineer Standard Requirements for Plans for definition of minor and major project)

Plans Submitted:

Certified Plot Plan

Stamped Plans

DATE AND COMMENTS:

10/14/09

- 1. Street opening permit required from Newton DPW
 - 2. Notify Engineering 48 hours prior to work
 - 3. Police detail required
- B. J. O'Shea*

RECOMMENDATIONS:

- 1. 36" minimum cover on all trenches
- 2. Backfill shall be excavatable flowable fill
- 3. Bituminous concrete roadway shall be replaced in kind to City of Newton specifications
- 4. Granite curbs shall be replaced if broken or reinstalled to original grade.
- 5. Traffic shall be maintained on both Wyman St and Beacon St.

IV. RECOMMENDATION TO PUBLIC FACILITIES COMMITTEE:

[Signature]

Commissioner, Public Works

10/16/09

Date



200 Calvary Street
Waltham, Massachusetts 02453

September 14, 2009

Board of Aldermen
City Hall
Newton, MA 02159

RE: Wyman Street
Newton, MA
W.O. #1723788

09 SEP 22 PM 12: 21
CITY CLERK
NEWTON, MA. 02159

Dear Members of the Board:

The enclosed petition and plan is being presented by the NSTAR Electric Company for the purpose of obtaining a Grant of Location to install 160'± feet of conduit in Wyman Street, Newton.

This work is necessary to increase station capacity which improve NSTAR's reliability.

If you have any further questions, contact Maureen Carroll @ (617) 369-6421. Your prompt attention to this matter would be greatly appreciated.

Very truly yours,

A handwritten signature in cursive script that reads "William D Lemos".

William D Lemos-Supervisor
Rights & Permits Supervisor

WDL/amw
Attachments

PETITION OF NSTAR ELECTRIC COMPANY FOR LOCATION FOR CONDUITS AND MANHOLES

To the **Board of Aldermen** of the City of **Newton** Massachusetts

Respectfully represents NSTAR ELECTRIC COMPANY a company incorporated for the transmission of electricity for lighting, heating or power, that it desires to construct a line for such transmission under the public way or ways hereinafter specified.

WHEREFORE, your petitioner prays that, after due notice and hearing as provided by law, the Board may by Order grant to your petitioner permission to construct, and a location for, such a line of conduits and manholes with the necessary wires and cables therein, said conduits and manholes to be located substantially as shown on the plan made by **A. DeBenedictis** Dated 08/25/09 and filed herewith, under the following public way or ways of said City:

- Wyman Street** - At & Southeasterly from Beacon Street a distance of about 120'± feet - conduit
- Beacon Street** - Southwesterly approximately 110 feet Northwest of Wyman Street a distance of about 20'± feet - conduit

CITY CLERK
NEWTON, MA 02129
SEP 23 AM 8:53

WO# 1723788

NSTAR ELECTRIC COMPANY

By: William D. Lemos
William D. Lemos, Supervisor
Rights and Permits

Dated this 14th of September, 2009

City of Newton, Massachusetts

Received and filed _____, 2009

ORDER FOR LOCATION FOR CONDUITS AND MANHOLES

City of Newton Massachusetts, _____, 2009 #354-09

In Board of Aldermen

WHEREAS, NSTAR ELECTRIC COMPANY has petitioned for permission to construct a line for the transmission of electricity for lighting, heating, or power under the public way or ways of the City hereinafter specified, and notice has been given and a hearing held on said petition as provided by law.

It is ORDERED that NSTAR ELECTRIC COMPANY be and hereby is granted permission to construct, and a location for, such a line of conduits and manholes with the necessary wires and cables therein under the following public way or ways of said City:

Wyman Street - At & Southeasterly from Beacon Street a distance of about 140'± feet - conduit

Beacon Street - Southwesterly approximately 110 feet Northwest of Wyman Street a distance of about 20'± feet - conduit

WO# 1723788

All construction work under this Order shall be in accordance with the following conditions:

1. Conduits and manholes shall be located as shown on made by DeBenedictis plan dated 08-25-09
2. Said Company shall comply with the requirements of existing ordinances and such as may hereafter be adopted governing the construction and maintenance of conduits and manholes.
3. All work shall be done to satisfaction of the Board of Aldermen

or such officer or officers as it may appoint to supervise the work.

A True Record. Attest: _____
City Clerk

Approved _____ 2009

Mayor

CERTIFICATE

I hereby certify that the foregoing Order was adopted after due notice and public hearing as prescribed by Section 22 of Chapter 166 of the General Laws (Ter. Ed.) and any additions thereto or amendments thereof, to wit:--after written notice of the time and place of the hearing mailed at least seven days prior to the date of the hearing by the City Clerk to all owners of real estate abutting upon that part of the way or ways upon, along or across which the line is to be constructed under said Order, as determined by the last preceding assessment for taxation and a public hearing held on the ___ day of _____ 2009, at Board of Aldermen in the said City

City Clerk

CERTIFICATE

I hereby certify that the foregoing are true copies of the Order of the Board of Aldermen of the City of NEWTON Massachusetts duly adopted on the _____ day of _____, 2009 and recorded with the records of location Orders of said City. Book ___ Page ___ and of the certificate of notice of hearing thereon required by Section 22 of Chapter 166 of the General Laws (Ter. Ed.), and any additions thereto or amendments thereof, as the same appear of record.

Attest: _____
Clerk of City of NEWTON, Massachusetts

09 SEP 23 AM 8:53
CITY CLERK
NEWTON MA 02459

Final Label Report

Wyman

SBL	Owner	Number	Street	Unit
53029 0002A	SULLIVAN GREGORY T TR	2-12	WINDSOR RD	
53026 0018	KESSLER SETH S & ALLISON B	452	WOODWARD ST	
53026 0016	KARP ERIC H & STEFFI A	458	WOODWARD ST	
53026 0015	BANK OF AMERICA	466	WOODWARD ST	
53027 0001	MASS BAY TRANS AUTHORITY		WYMAN ST	
53027 0004A	STUBBE JAMES B	48-50	WYMAN ST	2
53027 0004	WHITMAN SHARYN J	48-50	WYMAN ST	1
53027 0003	NEWTON HOUSING AUTHORITY	52-54	WYMAN ST	
53026 0009	TRC WABAN REALTY LLC	55-75	WYMAN ST	
53027 0002	WABAN VILLAGE LLC	68-70	WYMAN ST	
53026 0011	77 81 WYMAN STREET LLC	77-81	WYMAN ST	
53026 0012	POSTAL LIMITED PARTNERSHIP	83	WYMAN ST	
53026 0013	MCLEAN JOHN S & MARTHA J TRS	89-97	WYMAN ST	

CITY OF NEWTON
MASSACHUSETTS

#355-09

PETITION FOR GRANT OF LOCATION

To the Petitioner:

City of Newton Ordinance Section 23-52 requires that each petition for grant of location be submitted to the Public Works Department for a preliminary review before the applicant files the petition with the Board of Aldermen. The comments of the Public Works Commissioner will be part of the record submitted to the Board of Aldermen. Upon filing with the Board of Aldermen, the petition will be scheduled for a public hearing before the Public Facilities Committee of the Board of Aldermen. The petitioner is responsible for insuring that the petition is complete and all required materials are in order for review. Attached please find the City Engineer's Standard Requirements for Plans

Grant of Location Process:

1. Applicant submits completed Petition Form and required materials to Clerk of the Board's Office
2. Engineering Division of Public Works conducts preliminary review and provides written comments (estimated timeframe two weeks)
3. If there is no conflict, the Public Works Department files Petition Form with the Clerk of the Board. Petitioner has the right to file contested petition form to the Clerk of the Board.
4. Board of Aldermen schedules petition for a public hearing before the Public Facilities Committee of the Board of Aldermen
5. Public Facilities Committee recommendations are forwarded to the Board of Aldermen for a final decision

Questions may be directed to:

Shawna Sullivan, Committee Clerk, 796-1213
John Daghlian, City Engineer, 796-1029

I. IDENTIFICATION (Please Type or Print Clearly)

Company Name NSTAR Electric

Address 200 Cg/Very Street
Waltham, MA

Phone Number 617-369-6421

Fax Number 617-369-6328

Contact Person Maureen Carroll

Title Right of Way Agent

Signature Maureen Carroll
Person filing application

Date 9-16-09

If a telecommunications company, indicate how certified by the Department of Telecommunications and Energy:



200 Calvary Street
Waltham, Massachusetts 02453

09 SEP 22 PM 12: 21
CITY CLERK
NEWTON, MA. 02159

September 17, 2009

Board of Aldermen
City Hall
Newton, MA 02159

RE: **Woodward & Beacon Street
Newton, MA
W.O. #1723784**

Dear Members of the Board:

The enclosed petition and plan is being presented by the NSTAR Electric Company for the purpose of obtaining a Grant of Location to install 310'± feet of conduit in Woodward and Beacon Street Newton.

This work is necessary for new circuit for system improvement @ Woodward and Beacon Street.

If you have any further questions, contact Maureen Carroll @ (617) 369-6421. Your prompt attention to this matter would be greatly appreciated.

Very truly yours,

A handwritten signature in cursive script, appearing to read "William D Lemos".

William D Lemos-Supervisor
Rights & Permits Supervisor

WDL/amw
Attachments

PETITION OF NSTAR ELECTRIC COMPANY FOR LOCATION FOR CONDUITS AND MANHOLES

To the **Board of Aldermen** of the City of **Newton** Massachusetts

Respectfully represents NSTAR ELECTRIC COMPANY a company incorporated for the transmission of electricity for lighting, heating or power, that it desires to construct a line for such transmission under the public way or ways hereinafter specified.

WHEREFORE, your petitioner prays that, after due notice and hearing as provided by law, the Board may by Order grant to your petitioner permission to construct, and a location for, such a line of conduits and manholes with the necessary wires and cables therein, said conduits and manholes to be located substantially as shown on the plan made by **A. DeBenedictis** Dated 08/25/09 and filed herewith, under the following public way or ways of said City:

- Woodward Street** - At & Southeasterly from Beacon Street a distance of about 85'± feet -conduit
- Beacon Street** - At & Northwesterly from Woodward Street a distance of about 25'± feet- conduit

WO# 1723784

NSTAR ELECTRIC COMPANY

By: *William D. Lemos*
William D. Lemos, Supervisor
Rights and Permits

Dated this 16th of September, 2009

City of Newton, Massachusetts

Received and filed _____, 2009

09 SEP 23 AM 8:55
CITY CLERK
NEWTON, MA 02459

ORDER FOR LOCATION FOR CONDUITS AND MANHOLES

City of Newton Massachusetts, _____, 2009 #355-09

In Board of Aldermen

WHEREAS, NSTAR ELECTRIC COMPANY has petitioned for permission to construct a line for the transmission of electricity for lighting, heating, or power under the public way or ways of the City hereinafter specified, and notice has been given and a hearing held on said petition as provided by law.

It is ORDERED that NSTAR ELECTRIC COMPANY be and hereby is granted permission to construct, and a location for, such a line of conduits and manholes with the necessary wires and cables therein under the following public way or ways of said City:

- Woodward Street - At & Southeasterly from Beacon a distance of about 285'± feet - conduit
- Beacon Street - At & Northwesterly from Woodward Street a distance of about 25'± feet - conduit

WO# 1723784

09 SEP 23 AM 8:55
CITY CLERK
NEWTON, MA. 02159

All construction work under this Order shall be in accordance with the following conditions:

1. Conduits and manholes shall be located as shown on made by A. DeBenedictis plan dated 08-25-09
2. Said Company shall comply with the requirements of existing ordinances and such as may hereafter be adopted governing the construction and maintenance of conduits and manholes.
3. All work shall be done to satisfaction of the Board of Aldermen

or such officer or officers as it may appoint to supervise the work.

A True Record. Attest: _____
City Clerk

Approved _____ 2009

Mayor

CERTIFICATE

I hereby certify that the foregoing Order was adopted after due notice and public hearing as prescribed by Section 22 of Chapter 166 of the General Laws (Ter. Ed.) and any additions thereto or amendments thereof, to wit:--after written notice of the time and place of the hearing mailed at least seven days prior to the date of the hearing by the City Clerk to all owners of real estate abutting upon that part of the way or ways upon, along or across which the line is to be constructed under said Order, as determined by the last preceding assessment for taxation and a public hearing held on the ___ day of _____ 2009, at Board of Aldermen in the said City

City Clerk

CERTIFICATE

I hereby certify that the foregoing are true copies of the Order of the Board of Aldermen of the City of Newton Massachusetts duly adopted on the _____ day of _____, 2009 and recorded with the records of location Orders of said City. Book ___ Page ___ and of the certificate of notice of hearing thereon required by Section 22 of Chapter 166 of the General Laws (Ter. Ed.), and any additions thereto or amendments thereof, as the same appear of record.

Attest: _____

Clerk of City of Newton, Massachusetts

Final Label Report

beacon

SBL	Owner	Number	Street	Unit
53028 0011	CITY OF NEWTON	1608	BEACON ST	
53032 0007	PECK SHELDON	1615	BEACON ST	
53025 0001	GELTMAN PAUL	192	PINE RIDGE RD	
53029 0002A	SULLIVAN GREGORY T TR	2-12	WINDSOR RD	
53029 0004	BERENBAUM ISIDORE & DEBRA	24	WINDSOR RD	
53025 0016	WILLETT JOHN M & JUDITH GROSS		WOODWARD ST	
53026 0020	FISHMAN ALIO M & MARILENA TRS	444	WOODWARD ST	
53026 0019	CHANDOR CAROL S	448	WOODWARD ST	
53026 0018	KESSLER SETH S & ALLISON B	452	WOODWARD ST	
53026 0016	KARP ERIC H & STEFFI A	458	WOODWARD ST	
53026 0015	BANK OF AMERICA	466	WOODWARD ST	
53026 0013	MCLEAN JOHN S & MARTHA J TRS	89-97	WYMAN ST	



David B. Cohen
Mayor

City of Newton, Massachusetts
Office of the Mayor

#288-09

Telephone
(617) 796-1100

Telefax
(617) 796-1113

TDD
(617) 796-1089

E-mail
dcohen@newtonma.gov

September 15, 2009

Honorable Board of Aldermen
Newton City Hall
1000 Commonwealth Avenue
Newton, MA 02459

Ladies and Gentlemen:

I write to request that your Honorable Board docket for consideration a request to appropriate one million four hundred thousand dollars (\$1,400,000) from bonded indebtedness for the purpose of funding the installation of four modular classrooms at the Oak Hill Middle School and for design work for modulars at the Day Middle school. Additional details will be provided prior to committee discussion of this item.

Thank you for your consideration of this matter.

Very Truly yours,

David B. Cohen
Mayor

09 SEP 15 PM 1:28
CITY CLERK
NEWTON, MA. 02159

1000 Commonwealth Avenue Newton, Massachusetts 02459

www.ci.newton.ma.us



DEDICATED TO COMMUNITY EXCELLENCE



PUBLIC BUILDINGS DEPARTMENT

#288-09

A. NICHOLAS PARNELL, AIA, COMMISSIONER

Telephone: (617) 796-1600

Fax: (617) 796-1601

TTY: (617) 796-1089

52 ELLIOT STREET

NEWTON HIGHLANDS, MA 02461-1605

David B. Cohen
Mayor

09 OCT - 1 PM 4:48
CITY CLERK
NEWTON, MA 02159

September 29, 2009

The Honorable David B. Cohen
Mayor
City of Newton
1000 Commonwealth Avenue
Newton Centre, MA 02459

RE: Modular Classrooms at Oak Hill Middle School / Internal Classrooms at FA Day Middle School

Dear Mr. Mayor:

The Public Buildings Department, on behalf of the School Department, is requesting the sum of \$ 1,400,000 to cover the design and purchase of (4) four modular classrooms at Oak Hill Middle School and the investigation and subsequent design of (4) internal classrooms at the FA Day Middle School. The complete estimates for these projects are attached, but the breakdown would be as below:

<u>Cost Breakdown</u>	<u>Oak Hill Modulares</u>	<u>F.A Day Internal Classrooms</u>
Design	\$ 112,550	\$ 95,240
Construction	\$1,125,500	
5% Contingency	\$ 61,950	\$ 4,760
Total	\$1,300,000	\$100,000

Please do not hesitate to contact me should you have any questions regarding this request.

Sincerely,

A. Nicholas Parnell, AIA
Public Buildings Commissioner

ANP:dla

CC: James V. Marini, Acting Superintendent of Schools
Susan Burstein, Chief Budget Officer
Sandy Pooler, Chief Administrative officer

Oak Hill School Design and Installation of (4) four ModularClassrooms / FA Day (4) Internal Classroom Design

OAK HILL MIDDLE SCHOOL

FA DAY MIDDLE SCHOOL

Modulars (150K-212,625K)

Space Study

Modulars (4)	212,625	850,500	Classrooms (4)	TBD
Link		175,000	Link	TBD
Site Work		50,000	Site Work	TBD
Utilities		50,000	Utilities	TBD
SUBTOTAL		1,125,500	SUBTOTAL	0

Design Fee	\$	112,550	Design Fee	\$	95,250
SUBTOTAL	\$	1,238,050	SUBTOTAL	\$	95,250
Contingency 5%	\$	61,903	Contingency 5%	\$	4,763
TOTAL	\$	1,299,953	TOTAL	\$	100,013

Rounded up to \$1,300,000

Rounded to \$100,000

* does not include
FFE & Technology

09 OCT -1 PM 4:48

CITY CLERK
NEWTON, MA. 02159

DRAFT

9/29/09

Oak Hill and FA Day Space Needs - PROJECT TIME LINE

Modular classrooms at Oak Hill Middle School

Proposed Dates

DESIGN FUNDS REQUEST/APPROVAL	10/01/09-11/16/09
SCHEMATIC DESIGN	11/16/09-12/15/10
SCHEMATIC DESIGN REVIEW BY DRC	12/16/10-12/31/10
SITE PLAN APPROVAL HEARING/PUBLIC FACILITIES APPROVAL	12/31/10-01/31/10
FINANCE COMMITTEE APPROVAL	02/01/10-02/15/10
FULL BOARD APPROVAL	3/1/10
CONSTRUCTION DOCUMENTS	02/15/10-03/1/10
CONSTRUCTION DOCUMENTS REVIEW BY DRC	03/1/10-03/15/10
ADVERTISE CENTRAL REGISTER	3/31/10
ADVERTISE IN TRIBUNE	3/31/10
SPECIFICATIONS/PLANS AVAILABLE	3/31/10
PRE BID CONFERENCE	4/7/10
GENERAL BIDS DUE	4/28/10
CONTRACT AWARD	5/5/10
CONSTRUCTION PERIOD	6/15-9/1/2010
F & E INSTALLATION	8/15-9/1/2010

09 OCT -1 PM 4:48

NEWTON CITY CLERK
NEWTON, MA. 02159

#288-09

DRAFT

9/29/09

Oak Hill and FA Day Space Needs- PROJECT TIME LINE

FA Day Space Study

Proposed Dates

DESIGN FUNDS REQUEST/APPROVAL	10/01/09-12/01/09
SCHEMATIC DESIGN	12/01/09-2/01/10
SCHEMATIC DESIGN REVIEW BY DRC	2/01/10-2/15/10
SITE PLAN APPROVAL HEARING/PUBLIC FACILITIES APPROVAL	N/A (if interior classrooms)
FINANCE COMMITTEE APPROVAL	02/15/10-03/03/10
FULL BOARD APPROVAL	3/15/10
DESIGN DEVELOPMENT	03/03/10-05/03/10
DESIGN DEVELOPMENT REVIEW BY DRC	05/03/10-05/19/10
CONSTRUCTION DOCUMENTS	5/19/2010-08/01/10
CONSTRUCTION DOCUMENTS REVIEW BY DRC	08/1/10-08/5/10
ADVERTISE CENTRAL REGISTER	8/25/10
ADVERTISE IN TRIBUNE	8/25/10
SPECIFICATIONS/PLANS AVAILABLE	8/25/10
PRE BID CONFERENCE	9/1/10
FILED SUB BIDS DUE	9/22/10
GENERAL BIDS DUE	9/29/10
CONTRACT AWARD	10/6/10
CONSTRUCTION PERIOD	4/15/11-8/15/11
F & E INSTALLATION	8/15/11-9/1/2011

09 OCT -1 PM 4:48
RECEIVED
PROPERTY CLERK
MA. 02159

TO: Board of Aldermen

FROM: School Committee Long-Range Facilities Subcommittee

DATE: October 16, 2009

RE: **Middle School Space Issues**

At the direction of the School Committee, the Long-Range Facilities Subcommittee (Susie Heyman, Jonathan Yeo, Kurt Kusiak, Dori Zaleznik, Jeff Young [and now Jim Marini], Sandy Guryan, Mike Cronin, Heidi Black, Nick Parnell, and Mike Kruse) explored a number of potential solutions to accommodate the greater than expected elementary school enrollment from the last five years that is now starting to move into the middle schools. A number of potential solutions including redistricting from Oak Hill to Brown and Day to Bigelow or sending a cohort of students from Oak Hill to Brown were explored in detail.

The subcommittee presented the options and background explorations to the School Committee in July 2009, and the School Committee voted to request funding for four modular classrooms at Oak Hill Middle School and design money for a space study at Day Middle School to assess whether internal reconfigurations could be done or modular classrooms added to create four new classrooms for the school year 2011-2012.

Oak Hill has a current classroom deficit that is exacerbated in school year 2010-2011 to the point that team sizes would top 100 students — a size all of the middle school principals state makes scheduling the school virtually impossible. Team sizes at Oak Hill are already larger than in the other middle schools. By the following school year, Day has a deficit of four classrooms.

We are providing some background information in this packet for the Board of Aldermen. This packet includes updated information on middle school space using preliminary enrollment information from October 1, 2009, which shows that the existing space constraints at Oak Hill have been exacerbated by an even larger than expected enrollment this fall. Please refer to the attached memo from Sandy Guryan of October 16, 2009. We have also included a memo from July 20, 2009 from Sandy Guryan that summarizes the analysis of space and provides a cost estimate for “green” versus standard modulars.

Members of the Long-Range Facilities Subcommittee will be present at the Public Facilities meeting of October 21.

NEWTON

PUBLIC SCHOOLS

100 Walnut Street, Newtonville, MA 02460

AREA CODE (617) 559-9025

Business, Finance and Planning

TO: James Marini, Superintendent
School Committee

FROM: Sandra Guryan, Assistant Superintendent for Business, Finance and Planning

DATE: October 16, 2009

RE: **Middle School Facilities Update**

This report provides updated information on middle school space. Please refer to the attached memo on middle school space dated July 20, 2009 for the full analysis of uses and needs for space at Brown and Oak Hill Middle Schools. Three earlier memos referred to in the attachment are not included but are on file should you wish to review them.

For the past three years, Oak Hill Middle School has used 24 classrooms to accommodate team sizes that are the highest of all the middle schools. Of the 24 classrooms, at least two classrooms have already been converted from World Language to team classrooms. Since FY08, average team size at Oak Hill has steadily increased to the current average of approximately 95 students. Based on preliminary enrollment projections, team sizes at Oak Hill are likely to be as high as 100 students in future years, making it extremely difficult both to physically accommodate the large numbers of students within the limited classroom space and to maintain the academic standards that reasonable teacher/student ratios allow.

After multiple and comprehensive reviews of middle school space both with and without redistricting possibilities between Oak Hill and Brown and between Bigelow and Day, it has become clear that reassigning students will not relieve the space issues at the schools. Initially, it was thought that minor redistricting plans would relieve space problems at Oak Hill or Day Middle Schools. After working on a number of redistricting scenarios, between Oak Hill and Brown and between Bigelow and Day, we concluded that the reassigning of students would provide only limited relief at Oak Hill and contributes to what will be a growing space shortage at Brown. Similar results were found in this preliminary review at Day and Bigelow. Thus, redistricting will not solve an overall shortage of space in middle schools as the population grows according to enrollment projections.

The analysis of available space and redistricting also includes assumptions about team size (maximum average of 90) and whether or not to allow two teacher teams. The tables on the next page show in summarized form that without redistricting, there are classroom deficits by FY11 at Oak Hill, while with redistricting, there are classroom deficits by FY11 at Oak Hill, and by FY12 at Brown and Day. Using four teacher teams produces further classroom deficits so that Oak Hill and Brown have too little classroom space by FY11 and by FY12, at Day. By FY14, all four middle schools have classroom deficits. This confirms that decisions about middle school program and team configuration will require budgetary and facility consideration.

Please see the following tables for a summary of the classroom space impact under various planning assumptions:

Projected Middle School Classroom Shortage

No Redistricting

	With Two Teacher Teams* Average Team Size 86 to 90						With Four Teacher Teams** Average Team Size 79 to 90					
	FY10	FY11	FY12	FY13	FY14	FY15	FY10	FY11	FY12	FY13	FY14	FY15
Bigelow	0	0	0	0	-4	0	0	0	0	0	-4	0
Brown	0	0	0	0	-2	0	0	-4	-4	-4	-4	-4
Day	2	2	-2	-6	-6	-6	2	0	-4	-8	-8	-8
Oak Hill	0	-2	-6	-6	-6	-6	0	-4	-8	-12	-12	-10

With Redistricting of Brown and Oak Hill

	With Two Teacher Teams* Average Team Size 86 to 90						With Four Teacher Teams** Average Team Size 81 to 90					
	FY10	FY11	FY12	FY13	FY14	FY15	FY10	FY11	FY12	FY13	FY14	FY15
Bigelow	0	0	0	0	-4	0	0	0	0	0	-4	0
Brown	0	0	-2	-2	-6	-6	0	-4	-4	-4	-8	-8
Day	2	2	-2	-6	-6	-6	2	0	-4	-8	-8	-8
Oak Hill	0	-2	-2	-2	-2	-2	0	-4	-4	-4	-4	-8

*Some individual grades within schools have team sizes in the high 90's, with a few exceptions reaching as high as 102 students.

**All are four teacher teams except if team size falls below approximately 70 students.

The middle school principals continue to review both their facilities and the enrollment projections along with potential redistricting impact. Each principal has confirmed that he/she is managing with current space for this school year (FY10) year by taking the following actions:

Oak Hill: Existing space was supplemented by recapturing two classrooms that have been dedicated to World Language. Two World Language teachers are moving between classrooms in 2009-10.

Brown: Existing space is adequate to accommodate the 2009-10 student population.

Bigelow: Existing space is adequate to accommodate the 2009-10 student population.

Day: Existing space is adequate to accommodate the 2009-10 student population. However, as early as 2010-11, the middle school may need to go back to five lunch periods to order to make the small cafeteria workable.

In addition to adding modular classrooms to Oak Hill Middle School, a space study is needed at Day Middle School to assess the impact of space shortages as a result of increasing enrollment.

NEWTON PUBLIC SCHOOLS

FACILITIES

100 Walnut Street, Newtonville, MA 02460

AREA CODE (617) 559-9025

Office of Business, Finance and Planning

Memorandum

TO: James Marini, Superintendent

FROM: Sandra Guryan, Assistant Superintendent for Business, Finance and Planning

DATE: July 20, 2009

RE: Long Range Facilities Update

This report provides summary information about the uses and needs for space at Brown and Oak Hill Middle Schools. Please refer to the three earlier memos on middle school space dated October 27 and December 8, 2008 and June 8, 2009 for the full analysis of enrollment, capacity, and redistricting review.

I. Three key points about middle school space at Oak Hill in particular:

1. There will be 558 students in 6 teams at Oak Hill in September 2009 and 600 students in 6.5 teams in September 2010. There are currently 24 team classrooms at Oak Hill. FY10 average team size is projected to be 93 students. In FY11, team size will be 92 students. Grade 6 will require the additional half team due to enrollment of 217 students, too many for 2 teams.
2. The enrollment grows at all middle schools including Oak Hill with the peak at 675 students in FY14. Brown Middle School enrollment will be at 774 students in FY14 and will peak at 784 students in FY16. Even at expected enrollment of 692 students in FY10 and 708 students in FY11, Brown does not have available space to incorporate students from Oak Hill, either through redistricting or through program re-location. Brown has 32 team classrooms for 8 teams which are expected for each of the next few years.
3. While 2 modulars are needed in FY11, two more are needed by FY12 at Oak Hill. Due to the expense of bid, design, and installation as well as the advantage of one fixed cost, it will be more efficient and more cost effective to install four modular classrooms at once before September 2010, rather than two at a time. The site plan has been proposed at the rear of Oak Hill with a loss of 12 parking spaces and good access to the school building.

II. There is no available space at Brown Middle School to absorb either students or programs from Oak Hill Middle School for the following reasons:

1. Each middle school has a different schedule and different start and end times. In order to use the space at Brown without disruption, both schools would need to be on the same schedule. This would require additional buses to and from both schools in both the morning and afternoon which will be too costly to implement. Additional traffic to the school sites presents a safety issue in and around the schools and neighborhood.

2. The introduction of the Extension Block (a 90 minute long block between 11:30 and 1:00 pm daily when lunch is also scheduled) precludes any available room being used between 11:30 and 1:00 pm each day. The Extension Block takes place during this time period when children engage in the following activities:

- Band
- Orchestra
- Chorus
- Latin
- Special Education services (i.e. OT, PT, APE, etc.)
- “Community Classroom” (homeroom)
- Sustained Silent Reading (SSR)

As mentioned, lunch is also scheduled during this time, with each grade having 1st, 2nd, or 3rd lunch two times over a six day cycle.

In order to accommodate all Extension Block classes and activities, every appropriate space is being used during this time and there is still a shortage.

3. Brown Middle School presently houses two city-wide Special Education programs for middle school students. City-Wide Special Education programs at the middle school level have been spread across the three larger schools (Brown, Day, and Oak Hill). If a Special Education program from Oak Hill were to be moved to Brown, that balance would be upset. Brown would have three programs and Oak Hill would have one, while Bigelow would have none.

III. Cost information for modular classrooms: Please refer to the attached spreadsheet which contains information from the Public Buildings Department on the estimated costs for both regular and “green” modular classrooms.

Standard Modular vs. Green Modular Price Comparison

	<u>STANDARD</u> (150K-180K)		<u>GREEN*</u> (195K-234K)	
Modulars (4)	\$180,000	\$720,000	Modulars (4)	\$234,000 \$936,000
Link		150,000	Link	175,000
Site Work		50,000	Site Work	50,000
Utilities		50,000	Utilities	50,000
SUBTOTAL		\$970,000	SUBTOTAL	\$1,211,000
Contingency 5%		48,500	Contingency 5%	60,550
SUBTOTAL		\$1,018,500	SUBTOTAL	\$1,271,550
Design Fee 10%		101,850	Design Fee 10%	127,155
TOTAL		\$1,120,350 **	TOTAL	\$1,398,705 **

*Green Modulars typically include:

- 1) Sustainable design techniques such as light shelves and increased exposure to daylight as well as key support elements for power and data.
- 2) Energy conserving HVAC system controls, lighting systems and controls, and building construction technologies.
- 3) Reduction of material requirements in the pre-fabricated process, virtually eliminating materials waste
- 4) Factory-controlled building to eliminate the potential for moisture damage and exposure to the elements.
- 5) Use of 'green" materials for flooring, ceiling materials, paint and siding.
- 6) Off-site construction which helps to lessen traffic on the building site.
- 7) High efficiency water conservation control devices and plumbing fixtures.

**Cost does not include FFE and Technology.

Double Pole Summary By Location

Report Date: 03/11/2009 07:55 AM

NSTAR

Print

Search Criteria:

Export

State: MASSACHUSETTS
 Work Center:
 Municipality: NEWTON
 Ownership: Sole-Owned Poles/Joint-Owned Poles/Not An Owner But Attached

Municipality	Transfers						Remediation		Total Poles	
	Electric	Street Light	Fire Alarm	Private	Fiber	Cable TV	Telephone	Telephone		
NEWTON	112	29	324	2	3	122	319	3	47	961
Totals:	112	29	324	2	3	122	319	3	47	961

↑
CIRCUIT
UPGRADE

NEWTON
TO
TRANSFER

↑
NSTAR
WILL
PUSH THESE
ALONG

↑
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TO COMPLETE
IN NEAR
FUTURE

#361-09

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dcohen@newtonma.gov



David B. Cohen
Mayor

City of Newton, Massachusetts
Office of the Mayor

October 13, 2009

09 OCT 13 PM 5:24
CITY CLERK
NEWTON, MA. 02159

Honorable Board of Aldermen
Newton City Hall
1000 Commonwealth Avenue
Newton, MA 02459

Ladies and Gentlemen:

I write to request that your Honorable Board docket for consideration a request to appropriate and expend one million eight hundred thirty-six thousand dollars (\$1,836,000) for the purpose of funding inflow and infiltration projects in the City sewer system. The sources of funding will be a loan of \$1,009,800 and a grant of \$826,200, provided through the Massachusetts Water Resource Authority (MWRA) Infiltration/Inflow Local Financial Assistance Program. This is a grant/loan program under which the city receives a grant of 45% and 55% in interest free loans.

The Public Works Department plans to use these funds for continued inflow and infiltration projects over the next few years. Specific details of these projects will evolve over time as determined by the occurrences of surcharging and storm drain overflows and other systemic breakdowns.

Thank you for your consideration of this matter.

Very truly yours,

David B. Cohen
Mayor

DBC: srb

1000 Commonwealth Avenue Newton, Massachusetts 02459

www.ci.newton.ma.us



DEDICATED TO COMMUNITY EXCELLENCE

City of Newton



DEPARTMENT OF PUBLIC WORKS

OFFICE OF THE COMMISSIONER

1000 Commonwealth Avenue

Newton Centre, MA 02459-1449

David B. Cohen

Mayor

TO: Honorable David B. Cohen, Mayor

THRU: Sanford Pooler / Chief Administrative Officer
Susan Burstein / Chief Budget Officer

FROM: Thomas E. Daley, P.E., Commissioner

RE: Request for Sewer Funds Borrowing Authorization

DATE: August 19, 2009

09 OCT 13 PM 5:25
CITY CLERK
NEWTON, MA. 02159

I respectfully request an authorization to borrow sewer funds up to \$1.836 million for the Phase 7, MWRA Local Financial Assistance Program, in order to continue our long range plans to remove infiltration/inflow from the City's sewer system. This money is comprised of a 45% (\$826,200.00) grant and a 55% (\$1,009,800.00) interest free loan.

For more than 10 years, the City has participated in this Program, during which time the MWRA has authorized the City's borrowing for 5-year interest free loans and grants, to be repaid in annual apportionments. The Treasurer has submitted a request for Bond Council for such authorization, and this will be provided to the Clerk's Office for inclusion in the docket item should you approve this request. Currently, we are authorized to borrow up to \$10.0894 million in Phase 1 through Phase 6 funds, all of which have been spent.

This borrowing authorization will benefit the City in the following ways:

- a. Newton has approximately 300 miles of public sewer pipeline, and much of the sewer pipe is approaching 100 years old. Due to the age of the pipes, a substantial amount of infiltration (from groundwater) into the system has been documented through engineering studies and surveys. In addition, a substantial amount of inflow into the system from sump pumps, roof leaders, and driveway drains (from storm events) has also been documented. The MWRA meters the City's sewer flows, and charges us for total flow, including this infiltration/inflow. Removal of this extraneous water will help reduce our annual sewer assessments by the MWRA.
- b. During significant storm events, the amount of stormwater entering the sewer system overwhelms the sewer system capacity to transport the wastewater.

Surcharging and overflows occur, allowing raw sewage, which is heavily diluted, to contaminate the public way or alternatively, residential basements. This infiltration/inflow does not belong in the City's sewer system, and must be removed.

I hereby request that this be docketed with the Honorable Board of Aldermen for authorization. Please contact me if you have any questions or need additional information.

cc: David Wilkinson, Comptroller
Jim Reardon, Treasurer
Dave Turocy, Dep. Comm. of P.W.
Lou Taverna, City Engineer
Frederick W. Russell, PE, Director of Utilities
Karen Griffey, Director of Admin/Public Works
Ryan Ferrara, Chief, Budget & Finance/Public Works

09 OCT 13 PM 5:25
CITY CLERK
NEWTON, MA. 02159



David B. Cohen
Mayor

City of Newton, Massachusetts
Office of the Mayor

#59-09(2) Telephone
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dcohen@newtonma.gov

September 29, 2009

09 SEP 29 PM 4:57
CITY CLERK
NEWTON, MA. 02159

Honorable Board of Aldermen
Newton City Hall
1000 Commonwealth Avenue
Newton, MA 02459

Ladies and Gentlemen:

I write to request that your Honorable Board docket for consideration an amendment to docket item #59-09. This docket item was for the cost of the Phase II audits by Noresco. I am docketing today a request for the construction cost for Phase II.

This amendment is to increase item #59-09 to appropriate the total sum of \$167,400 from bonded indebtedness for the purpose of entering into a contract with NORESKO to perform the Phase III audits. Upon completion of the audits, we will determine the scope of construction that will be undertaken based on the recommendations contained in the audits. If it is determined that the construction will proceed with NORESKO as the contractor, the cost of the audits will be part of the total construction cost. This appropriation will only be acted upon in the event that the city does not move forward with a construction contract with NORESKO.

Thank you for your consideration of this matter.

Very truly yours,

David B. Cohen
Mayor

DBC: srb

1000 Commonwealth Avenue Newton, Massachusetts 02459

www.ci.newton.ma.us



DEDICATED TO COMMUNITY EXCELLENCE

City of Newton



David B. Cohen
Mayor

PUBLIC BUILDINGS DEPARTMENT

A. NICHOLAS PARNELL, AIA, COMMISSIONER

Telephone: (617) 796-1600

Fax: (617) 796-1601

TTY: (617) 796-1089

52 ELLIOT STREET

NEWTON HIGHLANDS, MA 02461-1605

#59-09(2)

September 29, 2009

The Honorable David B. Cohen
Mayor
Newton City Hall
1000 Commonwealth Avenue
Newton Centre, MA 02459

RE: Phase III Noresco Audit Funding

Dear Mayor Cohen:

The Public Buildings Department in conjunction with the School Department is requesting funds in the amount of \$ 167,400.00 for the cost of performing Energy Audits on the remaining municipal and school buildings.

These funds include the cost of providing drawings of all of these buildings on CADD files to Noresco.

Should you have any questions, please feel free to contact my office.

Sincerely,

A. Nicholas Parnell, AIA
Commissioner of Public Buildings

ANP:dla

CC: James V. Marini, Acting Superintendent of Schools
Susan Burstein, Chief Budget Officer
Sandy Pooler, Chief Administrative Officer

09 SEP 29 PM 4: 57
CITY CLERK
NEWTON, MA. 02159

City of Newton
Energy Services Contract
Detailed Energy Audits - Final Phase



Building	Total Sq.Ft.	Audit Fee \$ / sq.ft.	Audit Fee	Notes
Angier School	51,300	\$0.15	\$7,695	Focus on short term payabck <5 Yrs
Burr School	53,000	\$0.15	\$7,950	
Franklin School	56,764	\$0.15	\$8,515	
Lincoln-Eliot School	51,074	\$0.15	\$7,661	
Mason-Rice School	39,000	\$0.15	\$5,850	
Underwood School	43,300	\$0.15	\$6,495	
Williams School	31,000	\$0.15	\$4,650	
Zervas School	30,646	\$0.15	\$4,597	
Bowen School	63,915	\$0.15	\$9,587	Focus on short term payabck <5 Yrs
Cabot School	41,000	\$0.15	\$6,150	Focus on short term payabck <5 Yrs
Countryside School	60,700	\$0.15	\$9,105	
Horace-Mann School	35,000	\$0.15	\$5,250	Focus on short term payabck <5 Yrs
Pierce School	33,800	\$0.15	\$5,070	
Memorial-Spaulding School	68,775	\$0.15	\$10,316	
Ward School	38,000	\$0.15	\$5,700	
Subtotal - Schools	697,274	\$0.15	\$104,591	
Fire Headquarters	6,541	\$0.15	\$981	Focus on short term payabck <5 Yrs
Fire Station 3	16,215	\$0.15	\$2,432	Focus on short term payabck <5 Yrs
Main Library	93,000	\$0.15	\$13,950	
Auburndale Library	4,830	\$0.15	\$725	
Newton Corner Library	6,138	\$0.15	\$921	
Nonantum Library	5,137	\$0.15	\$771	
Waban Library	6,378	\$0.15	\$957	
Hawthorne Fieldhouse	5,608	\$0.15	\$841	
Recreation Headquarters	3,208	\$0.15	\$481	
Lower Falls Community Center	10,519	\$0.15	\$1,578	
Recreation Garage	4,600	\$0.15	\$690	
Albermarle Fieldhouse	2,072	\$0.15	\$311	
Gath Pool Facility	4,600	\$0.15	\$690	
Nohanton Park Fieldhouse	1,440	\$0.15	\$216	
Upper Falls Community Center	13,418	\$0.15	\$2,013	
Newton Centre Fieldhouse	4,352	\$0.15	\$653	
Quinobequin Pumping Station			\$500	
Elliot Street Pumping Station			\$500	
Elliot St Operations Center	15,858	\$0.15	\$2,379	

**City of Newton
Energy Services Contract
Detailed Energy Audits - Final Phase**



Building	Total Sq.Ft.	Audit Fee \$ / sq.ft.	Audit Fee	Notes
Elliot St Garage	9,000	\$0.15	\$1,350	
Crafts St DPW Operations Center	19,553	\$0.15	\$2,933	
Crafts St Garage	23,474	\$0.15	\$3,521	
Jackson Homestead	7,000	\$0.15	\$1,050	
Public Buildings Department	7,100	\$0.15	\$1,065	
Health Department	4,581	\$0.15	\$687	
Senior Citizens Center	11,298	\$0.15	\$1,695	
Subtotal - City Buildings	285,920	\$0.15	\$43,890	
Total Backout Fee for Final Phase	983,194	\$0.15	\$148,481	
Appropriation from Phase 2			\$82,000	
Additional Appropriation for Final Phase			\$66,481	
Printing fees to convert all drawings to CD			\$18,919	City of Newton cost
Total Appropriation for Final Phase			\$167,400	



Energy Services Project – Phase 2

City of Newton Public Facilities Committee Update

October 21, 2009



Topics

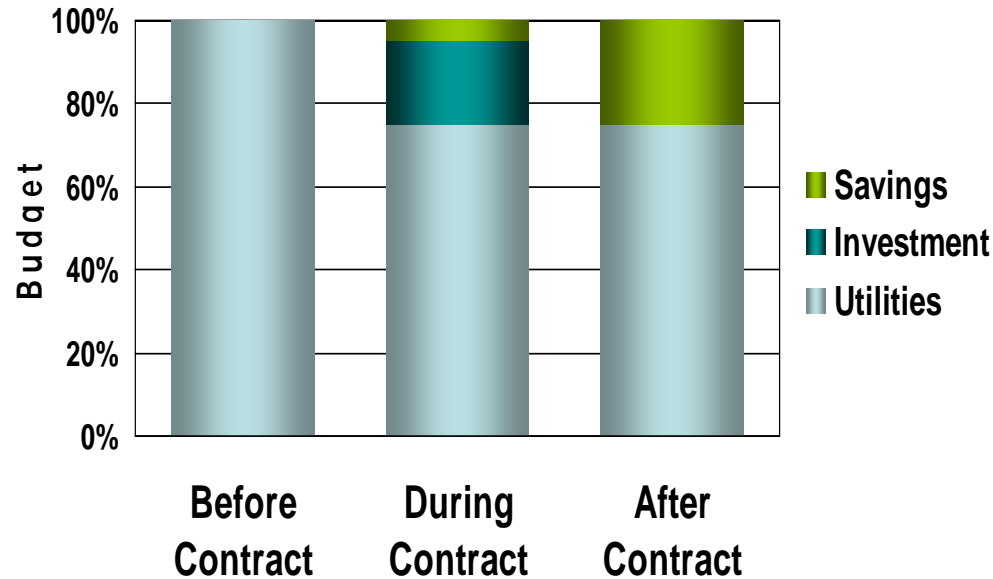
- Brief introduction
- Phase 1– FA Day Middle School Review and Initial Performance
- Updated Performance on a Reference Project
- Phase 2 Results & Recommendations
- Phase 2 Project Financial Details
- Discussion/Questions



Comprehensive Energy Services Project

Energy related improvements supported by guaranteed energy cost savings

How it works



- Guaranteed performance
- Improved building conditions
- Life-cycle versus first cost approach



Recap: How did we get here?

- Apr 2007: City Issues ESCO Solicitation
- Jan 2008: City Selects NORESO
- Feb – May '08: Phase 1 Audit (FA Day Middle School)
- Jul 2008: Board of Aldermen Approve FA Day
- Oct 2008: Master Contract Document Executed
- Nov 2008: FA Day School Construction Begins
- May – Aug '09: Phase 2 Audits & Review with City



Phase 1 Results: FA Day Middle School

- **Energy Conservation Measures**
 - **New Rooftop Air Conditioning Units** to replace antiquated 25 year old units
 - **New Energy Management System** for energy savings and remote monitoring & control capabilities
 - **Efficient Lighting Systems & Occupancy Sensors**
 - **Low Flow Plumbing Retrofits** to reduce water & sewer costs
 - **Weatherization** to reduce drafts and infiltration through exterior doors
- **Benefits**
 - Energy & water savings
 - Reduced maintenance costs
 - More reliable HVAC equipment
 - Improved occupant comfort

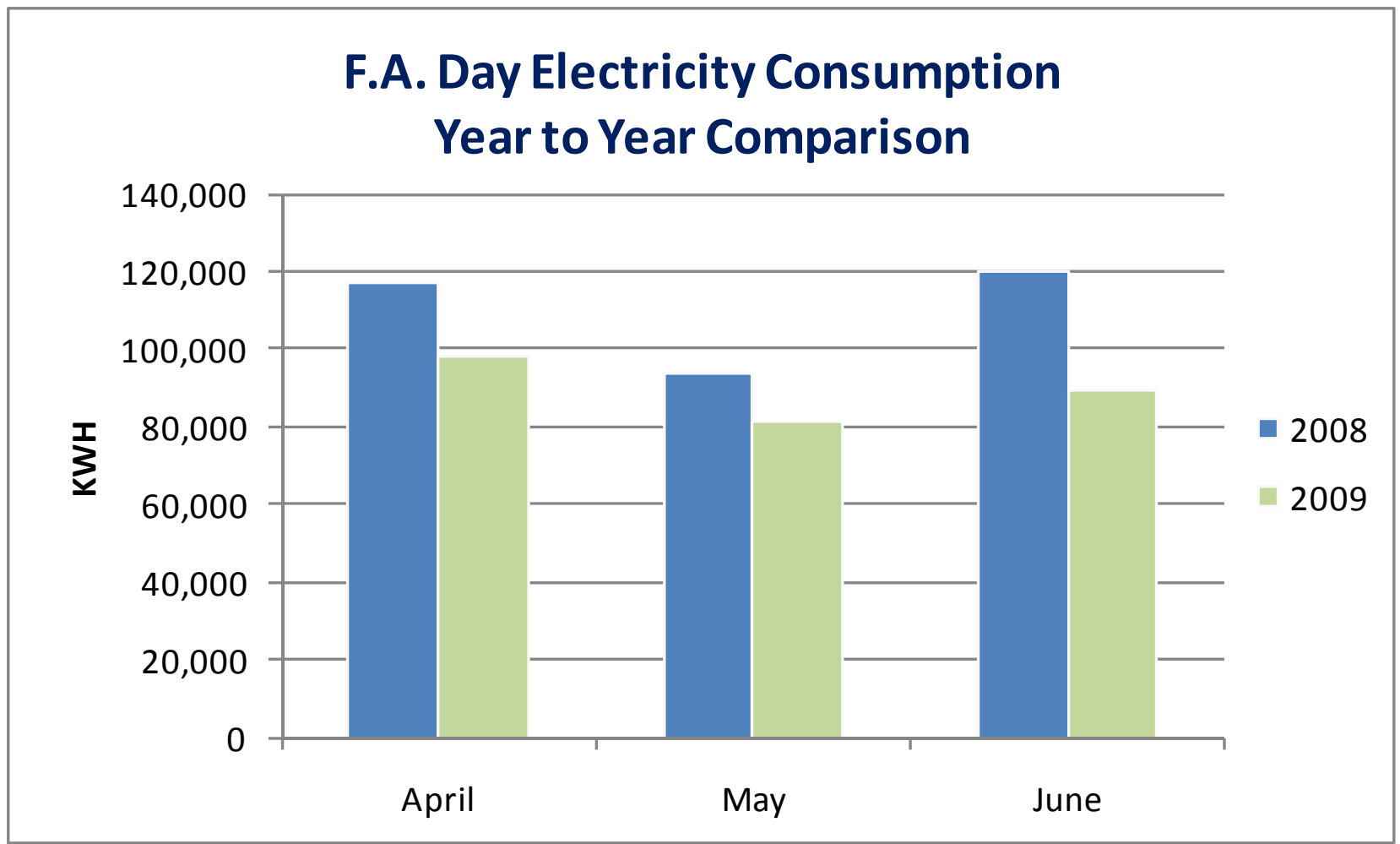


Phase 1 Results: FA Day Middle School

- **Economics**
 - \$1.625M Sell Price, \$120,976 Annual Savings, 20 Year Term
- **Utility Rebates**
 - Rebates approved by utilities total \$140,000, which exceeds the original estimate of \$95,000. All rebates collected will be passed on to the City of Newton.
- **Project approved by City in November 2008**
- **Construction 70% Complete**
 - All ECMs 100% complete except Energy Management System
- **Substantial Completion by January 2010**



Phase 1 Initial Actual Utility Bill Results





Town of Belmont Submitted Project Reference

	Guaranteed Annual Savings
kWh	1,729,634
Therms	1,215
Gal #2 Oil	48,257
Gal #4 Oil	880
Water (cf)	314,075
\$	\$202,750



Project Dates

Work began in July 2005 and was completed in August 2006

Project Size	
Number of Buildings	Six schools and five Town government buildings
Contract Amount	\$1,693,000

- First Year Measurement and Savings Verification of Savings was not Available when Submitted
- Project Scope was Similar to Work at F.A. Day

List of Improvements NORESKO Implemented Included:

- Energy Efficient Lighting and Occupancy Sensors
- New Toilets and other Plumbing Improvements
- 6 New Rooftop HVAC Units at the High School
- Energy Management System Upgrades
- Automatically Deployable Swimming Pool Cover



Town of Belmont Project Results Achieved

	Guaranteed Annual Savings	3 Year Av. Realized Savings
kWh	1,729,634	1,708,792
Therms	1,215	1,228
Gal #2 Oil	48,257	48,258
Gal #4 Oil	880	882
Water (cf)	314,075	314,079
\$	\$202,750	\$218,582

Report Period: Year 1 Annual Report (August 01, 2006 to July 31, 2007)

Report Period: Year 2 Annual Report (August 01, 2007 to July 31, 2008)

Report Period: Year 3 Annual Report (August 01, 2008 to July 31, 2009)

Savings has Exceed Guaranteed Amount in each of the First Three Years

Realized Savings are Based on Guaranteed Units of Energy and Water Saved

Actual Dollar Savings on Current Utility Costs Much Greater; Accrue to Town's Full Benefit



Phase 2: Where do We Stand?

- **Eight Phase 2 Buildings Identified by the City**
 - **School Buildings:** Brown, Oak Hill, Bigelow, Ed Center
 - **City Buildings:** City Hall, Police HQ, Police Garage, Police Annex
- **Phase 2 Timeline**
 - May 2009: Notice to Proceed with Phase 2 Audits
 - May – August: NORESO Conducts Detailed Energy Audit
 - May – August: NORESO meets with City to Review Recommendations
 - August 2009: Submitted Results of Detailed Energy Audit
 - September 2009: School Committee Approves Project
- **Economics**
 - \$3.6M Sell Price, \$364,000 Annual Savings, 15 Year Term



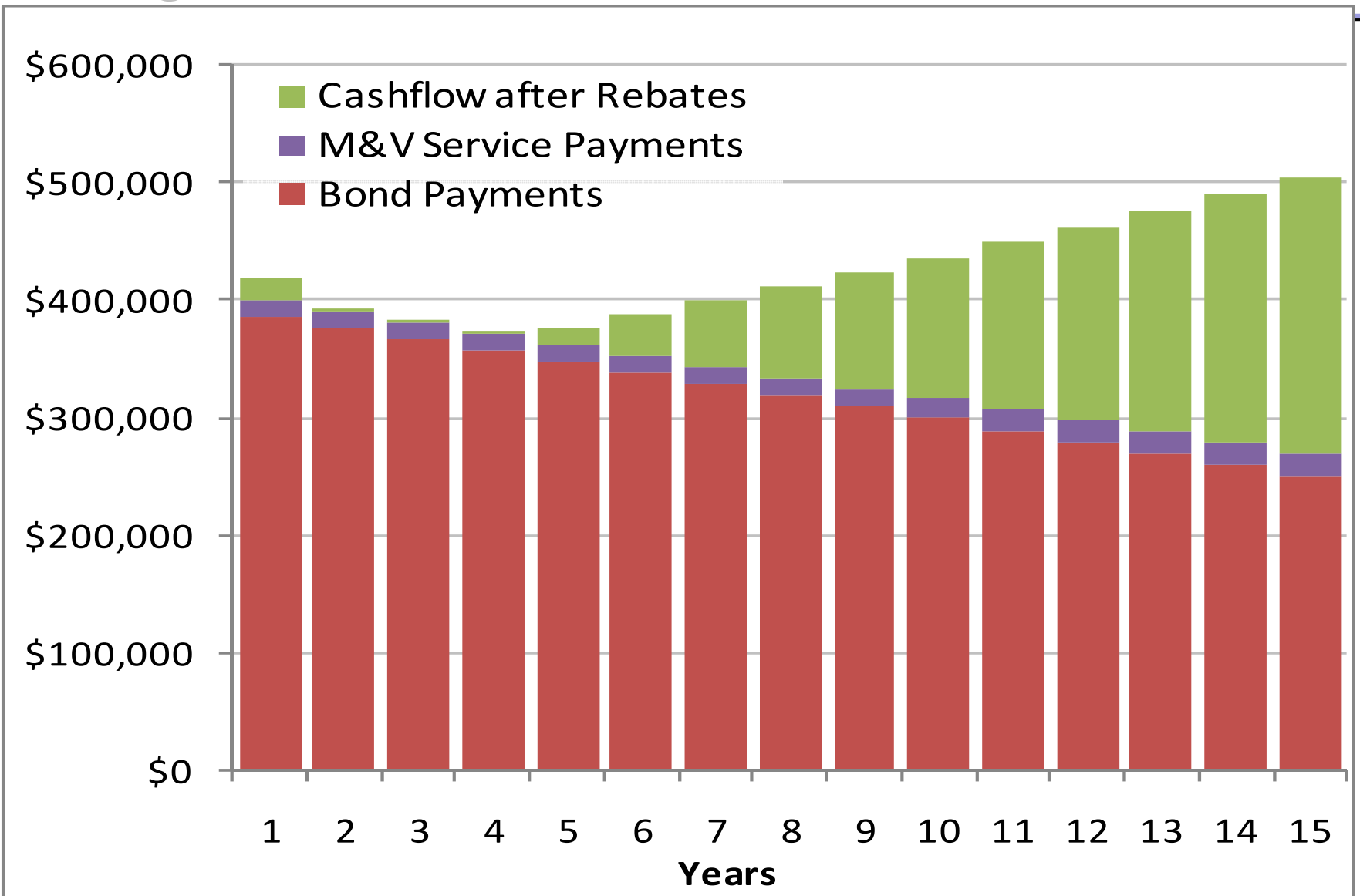
Phase 2 Project Highlights

- **New Building Energy Management Systems** will replace old, existing pneumatic controls that have limited ability to adjust to changing temperature conditions. The new web-based digital controls for the heating, venting and air conditioning systems will provide facilities staff with the ability to remotely monitor HVAC systems, and proactively address temperature control variations resulting in improved occupant.
- **New Lighting System Improvements** include new systems for the Brown and Oak Hill Middle School auditoriums, which will greatly improve lighting levels in these spaces which is currently deficient and costly to maintain.
- **Weatherization and Insulation Improvements** will reduce cold drafts and heat loss during winter months, and prevent hot, humid drafts and heat gain during warmer months.
- **New Thermostatic Radiator Valves and/or Steam Traps** in City Hall, Bigelow and Brown Middle School, and the Education Center, will provide better control of the heating systems, reducing unnecessary overheating.
- **Computer Power Management Software** will reduce PC energy consumption when not in use for significant city-wide energy savings.



#59-09(2)
#59-09(3)

Project Cash Flow – Phase 2



Lighting Improvements & Controls

Problem

- Some lighting systems use less efficient technology
- Uncontrolled lights remain on



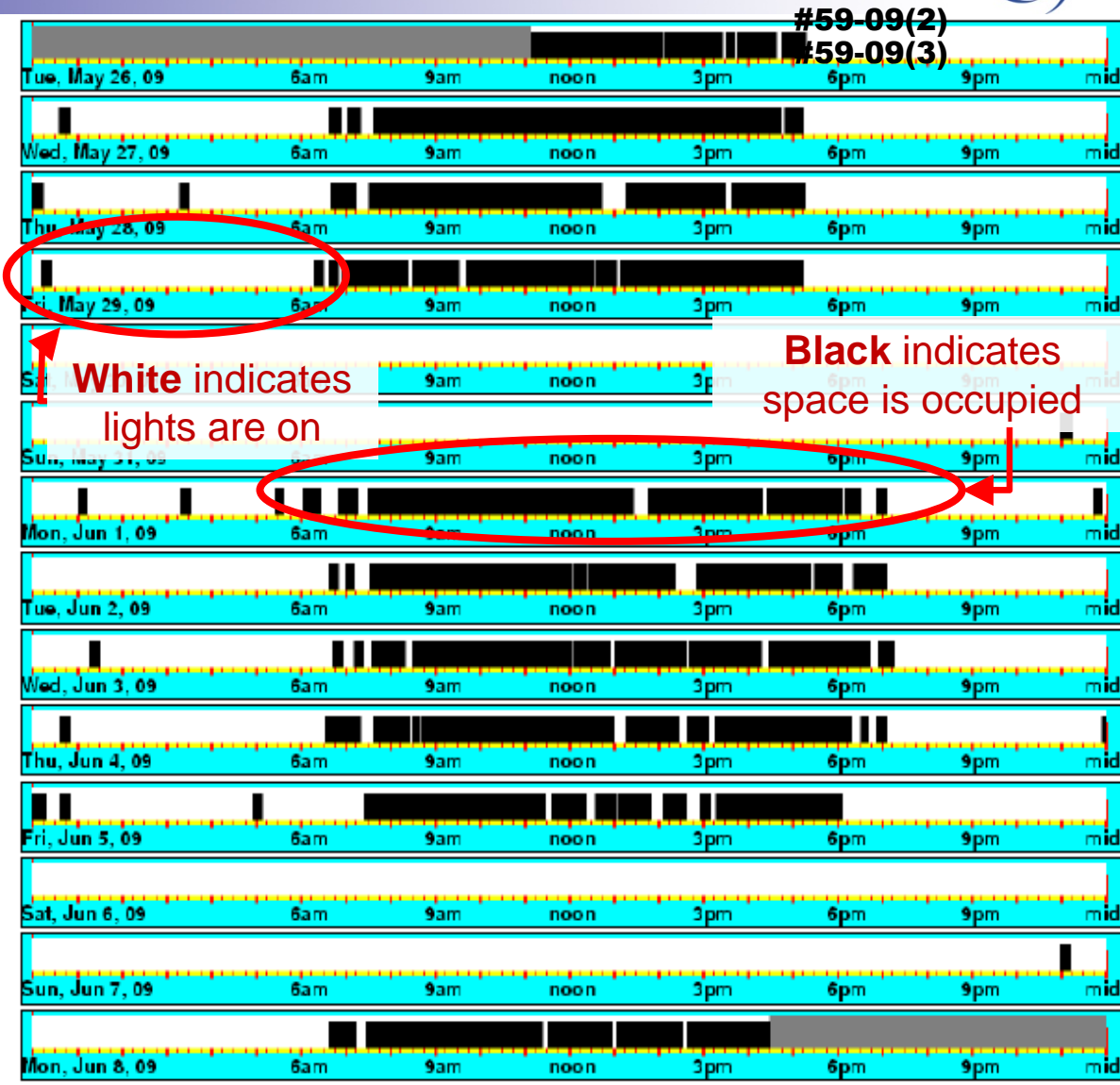
Recommended Improvements

- Install new high efficiency lighting systems
- Install occupancy sensors in 633 locations to shut off lights during unoccupied periods
- Provide new lighting systems in Brown & Oak Hill auditoriums which will improve lighting levels that are well below IES standards and reduce excessive maintenance costs



Lighting Systems Metering

- During DEA, NORES CO installed lighting loggers to monitor both lighting hours of operation and occupancy
- Black areas represent times when space is occupied
- White areas represent times when lights are on
- White areas represent opportunity for energy savings
- Occupancy sensors shut off lights when not needed





Water Conservation

Problems

- Old plumbing fixtures
- High water & sewer rates
- Significant opportunity for savings

Recommended Improvements

- ✓ New low-flow plumbing devices
 - Toilets, urinal flushometers, sink aerators
- ✓ Reduced water & sewer costs
- ✓ Reduced maintenance



Thermostatic Radiator Valves

Problems

- Uncontrolled radiators
- Occupants open windows to control space temperature

Recommended Improvements

- ✓ Install thermostatically-controlled radiator valves
 - Brown, City Hall, Ed Center
- ✓ New valves control steam heat in response to temperature
- ✓ Improved control results in improved occupant comfort

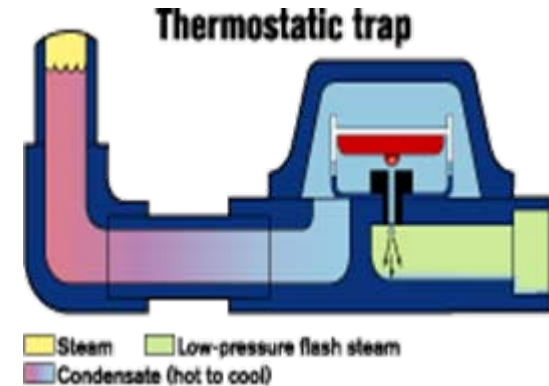
Steam Trap Improvements

Problem

- Leaking steam traps waste energy

Recommended Improvements

- ✓ Repair or replace 489 steam traps
 - Brown, City Hall, Ed Center, Bigelow
- ✓ Reduced steam trap repair & replacement costs
- ✓ Ongoing steam trap maintenance program
 - Starting in Year 3, NORESKO will test steam traps annually and replace failed components throughout the 15 year term. This maintenance program is designed to maintain savings.





New Energy Management System

Problems

- Antiquated pneumatic controls
- Wasted energy
- Limited remote monitoring & control

Recommended Improvements

- ✓ New DDC controls in Oak Hill, Ed Center, City Hall, & Police HQ, to replace pneumatic controls
- ✓ Improved control delivers energy savings
- ✓ Remote monitoring capability



New Energy Management System

	Bigelow	Brown	Oak Hill	Ed Center	City Hall	Police HQ	Police Garage	Police Annex
Recommendations								
New Computurized Energy Management System	✓	✓	✓	✓	✓	✓		
New Programmable Thermostats							✓	✓
New Thermostatic Radiator Valves		✓		✓	✓			
Improvements								
Energy Savings	✓	✓	✓	✓	✓	✓	✓	✓
Remote Monitoring & Control Capability	✓	✓	✓	✓	✓	✓		
Retro-Commission Existing Controls	✓	✓	✓	✓	✓	✓	✓	✓

Weatherization

Problems

- Drafty exterior doors and roof penetrations, and poorly insulated attics lead to infiltration & increased heating and cooling costs.

Recommended Improvements

- ✓ Install commercial-grade weather stripping on exterior doors & roof penetrations
- ✓ 102 doors, 108 roof penetrations
- ✓ Install attic Insulation in Oak Hill School & City Hall (21,940 sq.ft.)
- ✓ Reduced infiltration



*Unsealed Door Jamb
at Police Headquarters*



Phase 2 Financial Details

	ECM	Savings	Price
1a	Lighting Improvements	\$ 71,234	\$ 584,458
1b	Lighting Controls	\$ 32,265	\$ 268,931
1c	New Lighting in Bigelow & Brown Auditoriums	\$ (1,209)	\$ 124,562
2	Water Conservation	\$ 42,392	\$ 218,209
3	Steam Trap Improvements	\$ 55,410	\$ 232,368
4	Thermostatic Radiator Valves	\$ 10,347	\$ 191,121
5a	Weatherization	\$ 23,131	\$ 173,331
5b	Attic Insulation	\$ 7,895	\$ 104,354
-	Control Systems		
6	Energy Management System Improvements (Opt 1)	\$ 69,259	\$ 1,600,350
6	Computer Power Management	\$ 49,364	\$ 86,666
7	VFDs & Premium Efficiency Motors	\$ 4,514	\$ 63,106
TOTALS		\$ 364,602	\$ 3,647,456
ESTIMATED REBATES			\$ 116,650
NET PRICE			\$ 3,530,806
PAYBACK			9.7 Years



Questions?

John Kauppinen Jkauppinen@noresco.com (508) 614-1052

Mark Mullins, PE mmullins@noresco.com (508) 614-1006

Charlie Wheeler, PE cwheeler@noresco.com (508) 614-1007



David B. Cohen
Mayor

City of Newton, Massachusetts
Office of the Mayor

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(617) 796-1113
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dcohen@newtonma.gov

September 29, 2009

Honorable Board of Aldermen
Newton City Hall
1000 Commonwealth Avenue
Newton, MA 02459

09 SEP 29 PM 4: 57
CITY CLERK
NEWTON, MA. 02159

Ladies and Gentlemen:

I write to request that your Honorable Board docket for consideration a request to appropriate three million six hundred seventy thousand dollars (\$3,670,000) from bonded indebtedness for the costs related to energy savings improvements to the buildings audited as part of Phase II of the work being performed by Noresco. This is a project is designed to generate savings sufficient to offset the cost of the project.

Thank you for your consideration of this matter.

Very truly yours,

David B. Cohen
Mayor

DBC: srb

1000 Commonwealth Avenue Newton, Massachusetts 02459

www.ci.newton.ma.us



DEDICATED TO COMMUNITY EXCELLENCE

City of Newton

#59-09(3)



PUBLIC BUILDINGS DEPARTMENT

A. NICHOLAS PARNELL, AIA, COMMISSIONER

Telephone: (617) 796-1600

Fax: (617) 796-1601

TTY: (617) 796-1089

52 ELLIOT STREET

NEWTON HIGHLANDS, MA 02461-1605

David B. Cohen
Mayor

September 29, 2009

The Honorable David B. Cohen
Mayor
Newton City Hall
1000 Commonwealth Avenue
Newton Centre, MA 02459

09 SEP 29 PM 4: 57
CITY CLERK
NEWTON, MA. 02159

RE: Noresco Phase II Construction Funding Request

Dear Mayor Cohen:

The Public Buildings Department in conjunction with the School Department is requesting the sum of \$ 3,670,000.00 to implement the energy savings as outlined by Noresco in their Phase II Energy Audits Report at the following municipal and school facilities:

- Bigelow Middle School
- Brown Middle School
- Oak Hill Middle School
- Ed Center
- City Hall
- Police Headquarters
- Police Annex
- Police Garage

Should you have any questions, please do not hesitate to contact my office.

Sincerely,

A. Nicholas Parnell, AIA
Commissioner of Public Buildings

ANP:dla

CC: James V. Marini, Acting Superintendent of Schools
Susan Burstein, Chief Budget Officer
Sandy Pooler, Chief Administrative Officer

EXECUTIVE SUMMARY

NORESKO is pleased to have been selected as the City of Newton's partner to audit, engineer, design, and construct energy savings projects throughout its City and School buildings. The following Detailed Energy Audit (DEA) encompasses the second phase of buildings proposed to be completed as part of the NORESKO-City of Newton Initiative to reduce energy use, operating costs, and greenhouse gas emissions.

NORESKO and City of Newton personnel have worked together in a collaborative, thorough and detailed project development process to review and prioritize the energy conservation measures (ECMs) included in the following Detailed Energy Audit (DEA) scope of work. We would especially like to recognize and thank Carol Chafetz, David Tannozzini, and Josh Morse for their commitment to accommodate the scheduling requirements of our engineering analysis of each building, and all the meetings and discussions that were necessary to develop this comprehensive project.

Based on our audit findings and input provided during project development meetings, NORESKO has developed this portfolio of energy, water and cost savings measures that will improve the facility infrastructure, reduce greenhouse gas emissions, and generate significant guaranteed energy and water cost savings that are sufficient to cover the project finance costs. The \$3.6 Million package of energy conservation measures (ECMs) summarized within the tables on the following pages is fully described in the following DEA Report.

We have developed a package of energy conservation measures that are designed to meet the City's needs. This package delivers a wide range of important energy conservation and infrastructure improvements that are funded entirely from the utility cost savings while delivering substantial positive cash flow over the contract term. This package includes:

- **Comprehensive energy management system improvements** to provide for new web-based control of the HVAC systems. In addition to substantially reducing energy consumption, these improvements will provide City of Newton staff with the ability to remotely monitor HVAC systems, provide tighter control of temperature and HVAC devices, and improve occupant comfort;
- **New lighting systems for the Brown and Oak Hill Middle School auditoriums**, which will greatly improve lighting levels in these spaces. With these lighting improvements, the auditoriums will be much brighter, more attractive venues for events such as theatrical and musical performances;
- **Weatherization of exterior doors and roof penetrations** to reduce infiltration and drafts;
- **Attic insulation** to reduce lost heat and provide for a tighter envelope;
- **Thermostatic radiator valves** in City Hall, the Education Center, and the Brown Middle School which will provide better control of the heating systems, saving energy and improving occupant comfort by reducing unnecessary overheating;
- **Comprehensive lighting improvements and occupancy sensors** which will reduce lighting energy use; and
- **Low-flow plumbing retrofits** to reduce water and sewer costs and provide modern plumbing fixtures.

The following table presents a financial summary of the project for the City's consideration:

Financial Summary

	Value
Total Investment	\$ 3,647,456
Annual Savings	\$ 364,602
Utility Rebates	\$ 116,650
Total Bond Payments	\$ 4,778,168
Total Service Payments	\$ 754,505
Total Savings	\$ 6,781,205
Total Net Cash Flow	\$ 1,248,532
Contract Term	15 Years

SUMMARY OF ENERGY CONSERVATION MEASURES

	ECM	Price	Savings	Simple Payback	Estimated Rebates
1a	Lighting Improvements	\$ 584,458	\$ 71,234	8.2 Yrs	\$ 41,124
1b	Lighting Controls	\$ 268,931	\$ 32,265	8.3 Yrs	\$ 22,120
1c	New Lighting in Bigelow & Brown Auditoriums	\$ 124,562	\$ (1,209)	-103 Yrs	\$ -
2	Water Conservation	\$ 218,209	\$ 42,392	5.1 Yrs	\$ -
3	Steam Trap Improvements	\$ 232,368	\$ 55,410	4.2 Yrs	\$ 7,500
4	Thermostatic Radiator Valves	\$ 191,121	\$ 10,347	18.5 Yrs	\$ -
5a	Weatherization	\$ 173,331	\$ 23,131	7.5 Yrs	\$ -
5b	Attic Insulation	\$ 104,354	\$ 7,895	13.2 Yrs	\$ 17,244
-	Control Systems				
6	Energy Management System Improvements (Opt 1)	\$ 1,600,350	\$ 69,259	23.1 Yrs	\$ 22,062
6	Computer Power Management	\$ 86,666	\$ 49,364	1.8 Yrs	\$ -
7	VFDs & PE Motors	\$ 63,106	\$ 4,514	14.0 Yrs	\$ 6,600
TOTALS		\$ 3,647,456	\$ 364,602	10.0 Yrs	\$ 116,650

CASH FLOW TABLE

Year	Bond Payments	M&V Service Payments	O&M Service Payments	Software Maintenance Fee	Total Expected Savings	Guaranteed Savings	Net Cashflow	Utility Rebates	Cashflow after Rebates
0	\$0				\$0	\$0	\$0		\$0
1	\$386,630	\$12,480	\$0	\$8,320	\$364,602	\$364,602	(\$42,828)	\$62,441	\$19,613
2	\$376,904	\$12,886	\$0	\$8,590	\$375,540	\$375,540	(\$22,840)	\$22,940	\$100
3	\$367,177	\$13,304	\$22,922	\$8,870	\$386,806	\$386,806	(\$25,467)	\$25,567	\$100
4	\$357,451	\$13,737	\$23,667	\$9,158	\$398,410	\$398,410	(\$5,602)	\$5,702	\$100
5	\$347,724	\$14,183	\$24,436	\$9,455	\$410,363	\$410,363	\$14,564		\$14,564
6	\$337,998	\$14,644	\$25,230	\$9,763	\$422,674	\$422,674	\$35,039		\$35,039
7	\$328,271	\$15,120	\$26,050	\$10,080	\$435,354	\$435,354	\$55,833		\$55,833
8	\$318,545	\$15,611	\$26,897	\$10,408	\$448,414	\$448,414	\$76,953		\$76,953
9	\$308,818	\$16,119	\$27,771	\$10,746	\$461,867	\$461,867	\$98,413		\$98,413
10	\$299,091	\$16,643	\$28,674	\$11,095	\$475,723	\$475,723	\$120,220		\$120,220
11	\$289,365	\$17,184	\$29,606	\$11,456	\$489,995	\$489,995	\$142,385		\$142,385
12	\$279,638	\$17,742	\$30,568	\$11,828	\$504,694	\$504,694	\$164,918		\$164,918
13	\$269,912	\$18,319	\$31,561	\$12,212	\$519,835	\$519,835	\$187,831		\$187,831
14	\$260,185	\$18,914	\$32,587	\$12,609	\$535,430	\$535,430	\$211,135		\$211,135
15	\$250,459	\$19,529	\$33,646	\$13,019	\$551,493	\$551,493	\$234,841		\$234,841
	\$4,778,168	\$236,413	\$363,615	\$157,610	\$6,781,200	\$6,781,200	\$1,245,395	\$116,650	\$1,362,045

Notes

1. NORESKO is committed to working on City’s behalf to obtain utility rebates, incentives and other subsidies that can reduce the project’s net cost, and deliver added value to the City. The current utility rebates are estimated based on NSTAR electric and NGRID natural gas rebate programs, and are subject to utility approval. Utility rebates will be paid directly to the City.
2. “Bond Payments” include interest and principal and assume a bond coupon of 4.0%, which is estimated based on rates obtained by the City on recent projects.
3. “M&V Service Payments” are associated with NORESKO’s annual savings measurement and verification activities.
4. “O&M Service Payments” are associated with NORESKO’s annual Steam Trap Service & Maintenance Program which commences in year 3.
5. “Software Maintenance Fees” are for computer power management software annual license renewals. These fees are paid by the City directly to the software company.
6. “O&M Savings” include maintenance savings associated with the Lighting Improvements. Under the Lighting Improvements, NORESKO will install new energy efficient lighting systems, which will deliver maintenance cost savings due to reduced lamp and ballast replacement costs.
7. Assumes an average energy escalation rate of 3.0% per year starting year one after completion of the project’s construction.
8. Project pricing presented in this DEA is valid through October 31.


Environmental Impact of Proposed Energy Conservation Measures

NORESCO is a proud member of the U.S. Green Building Council, Clinton Climate Initiative, and a long-time EnergyStar Business Partner. In addition to the direct positive economic benefit this project will have to the City, perhaps even more importantly, this project will provide significant environmental benefits to the City and the surrounding community. Quantified in the table below is the greenhouse gas emission reductions that will occur as a result of new higher efficiency equipment replacing the existing old, less efficient systems; as well as new controls that will limit the equipment’s use to when only needed by the building occupants.

Energy Savings		
Energy Source	Energy Units	Value
Electricity	kWh	1,020,778
Natural Gas	Therms	91,147
Water & Sewer	Kgal	1,834

Emissions Reductions		
Emission Type	Emissions Units	Value
CO ₂	Lbs	2,419,039
NO _x	Lbs	5,678
SO _x	Lbs	3,541

Equivalent Number of Acres of Trees Planted		362 Acres
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Equivalent Number of Cars Removed from the Roads		292 Cars
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Other Measures Considered

NORESKO considered several additional energy conservation opportunities. However, in general these measures are not included in the project because these ECMs have long paybacks and the overall program cash flow does not support the costs of these improvements.

- Plug Load Controllers
- New Windows at the Police Annex
- Electric Heat Alternatives at Oak Hill Middle School
- Exhaust Fan Repairs at City Hall
- Solar Domestic Hot Water Systems

Summary

Now that the time intensive process of accurately developing the project scope has been completed, we look forward to completing the steps that will result in another successful project. NORESKO is confident that, with the continued commitment of the City, the project will be very successful and meet your highest expectations.

NORESKO offers the strength of a New England based national energy services company (ESCO) that specializes in and has implemented more performance contracts than any other ESCO in the Northeast for more than 20 years. NORESKO's strong local roots, experience with the Commonwealth of Massachusetts ESCO program, and product-neutral national reputation combine to offer the City of Newton an outstanding resource to meet its performance-based energy improvement goals. We look forward to a continued partnership with the City.