

CITY OF NEWTON

IN BOARD OF ALDERMEN

PUBLIC FACILITIES COMMITTEE AGENDA

WEDNESDAY, SEPTEMBER 5, 2012

8 PM **Please Note Late Start**

Room 209

ITEMS SCHEDULED FOR DISCUSSION:

THE FOLLOWING FOUR ITEMS ARE SCHEDULED FOR PUBLIC HEARING:

#241-12 NATIONAL GRID petitioning for a grant of location to install and maintain 450' ± of 4" gas main in MARCELLUS ROAD from the existing 4" gas main at 40 Marcellus Road to Boulder Road for a new gas service to 36 Boulder Road. (Ward 8) [07-31-12 @3:03 PM]

#242-12 COMCAST petitioning for a grant of location to install 240' ± of 3" conduit in NEWTONVILLE AVENUE from Pole #35/12 at the intersection of Bowers Street and Newtonville Avenue in a westerly direction to 458-462 Newtonville Avenue. (Ward 2) [07-31-12 @1:41 PM]

#243-12 COMCAST petitioning for a grant of location to install conduit and vaults in WELLS AVENUE as follows:
A) 1,666'+ of conduit from 75-95 Wells Avenue to 177 Wells Avenue.
B) Nine 2' x 3' vaults in Wells Avenue at the following locations: 75-95 Wells Avenue, 100 Wells Avenue, 120 Wells Avenue, 125 Wells Avenue, 145 Wells Avenue, 154 Wells Avenue, 160 Wells Avenue, 177 Wells Avenue and 180 Wells Avenue. (Ward 8) 08/03/12 @ 11:30 AM]

Public Hearing continued from July 18, 2012:

#197-12 HIS HONOR THE MAYOR requesting the Board of Aldermen authorize a long-term lease with the solar photovoltaic firm, Ameresco Solar Inc., to allow for the installation of solar panels on the rooftops of five (5) public schools: Newton North High School, Brown Middle School, Memorial-Spaulding Elementary School, Countryside Elementary School and Bowen Elementary School. [07/02/12 @ 5:03 PM]

The location of this meeting is handicap accessible, and reasonable accommodations will be provided to persons requiring assistance. If you have a special accommodation need, please contact the Newton ADA Coordinator Trisha Guditz, 617-796-1156, via email at TGuditz@newtonma.gov or via TDD/TTY at (617) 796-1089 at least two days in advance of the meeting date.

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

- #255-12 HIS HONOR THE MAYOR requesting authorization to appropriate the sum of two million seven hundred thousand dollars (\$2,700,000) from bonded indebtedness for the purpose of funding the design and construction of 9,500 linear feet of hydraulically deficient water main pipe in Washington Street from Church Street to Chestnut Street. [08/06/12 @ 3:25 PM]

ITEMS NOT SCHEDULED FOR DISCUSSION:

- #270-12 NATIONAL GRID petitioning for a grant of location to install and maintain 62' ± of 6" gas main in DEDHAM STREET from the existing 6" gas main at 127 Dedham Street easterly to 135 Dedham Street. (Ward 8) [07-20-12 @ 1:46 PM]

REFERRED TO FINANCE AND APPROPRIATE COMMITTEES

- #257-12 RECODIFICATION COMMITTEE recommending (1) review of the Fees, Civil Fines/Non-Criminal Disposition contained in Chapter 17 LICENSING AND PERMITS GENERALLY and Chapter 20 CIVIL FINES/NON-CRIMINAL DISPOSITION CIVIL FINES to ensure they are in accordance with what is being charged and (2) review of the acceptance of G.L. c. 40 §22F, accepted on July 9, 2001, which allows certain municipal boards and officers to fix reasonable fees for the issuance of certain licenses, permits, or certificates.

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

- #256-12 ALD. HESS-MAHAN, SANGIOLO & SWISTON proposing and ordinance promoting economic development and the mobile food truck industry in the City of Newton. [08/06/12 @4:46 PM]
- #246-12 RECODIFICATION COMMITTEE recommending Sec. 25-1, which requires a permit to create a trench, be reviewed to determine if a new section relative to excavation should be established to regulate unsafe excavation beyond the regulation of trenches, as the City Engineer has advised that all trenches are excavations, but not excavations are trenches, which amendment would replace **Sec. 20-53. Excavations; protection; erection of barriers.**, which was deleted as part of recodification because it conflicted with Sec. 25-1.
- #245-12 RECODIFICATION COMMITTEE recommending that Chapter 11, RECYCLING AND TRASH as most recently amended by Ordinance Z-68 and Z-87, dated 6/21/10 and 5/16/11, respectively, be reviewed and be amended as necessary.
- #244-12 LEO D. SULLIVAN requesting an opportunity to make a presentation on a Community Choice Aggregation Program to lower the electric power rates for residents of Newton. 06/22/12 @ 1:36 PM

REFERRED TO PUBLIC FACILITIES AND PROGRAMS & SERVICES COMMITTEES

- #231-12 RECODIFICATION COMMITTEE recommending that **Sec. 11-11. Permit to cart trash and/or recyclable materials.** be deleted as G.L.c.111 §31A authorizes the Health Department to require registration. for “garbage,” which is addressed in Sec. 11-5.

REFERRED TO PROG & SERV AND PUBLIC FACILITIES COMMITTEES

- #170-12 ALD. SANGIOLO, BAKER, BLAZAR , JOHNSON, and YATES requesting the creation of an ordinance to govern the naming of public assets of the City, including the interior and exterior features of public buildings, lands, and water bodies of the City, as well as any public facilities and equipment associated with them, all to serve the best interests of the City and to insure a worthy and enduring legacy for the City’s physical facilities and spaces, including appropriately honoring historic events, people, and places. [05/29/12 @ 1:34 PM]

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

- #54-12 ALD. SALVUCCI, BLAZAR AND FULLER requesting the creation of a revolving fund into which 50% of all betterment income shall be deposited to be used exclusively for individual requests for betterments. [02/02/12 @ 10:21 AM]
- #99-12 ALD. LAREDO, ALBRIGHT, CROSSLEY & KALIS requesting a discussion with His Honor the Mayor regarding the creation of a long-range master plan (20-25 years) regarding the means, methods, timing, and coordination to address the City’s complete infrastructure needs, including but not limited to school buildings, fire stations, other municipal buildings, streets, sidewalks, trees, playgrounds and other recreational facilities, water, stormwater, and sewer systems, and all other facilities and infrastructure identified in the city’s recent capital assessment. The master plan should be comprised of specific plans from individual departments and at a minimum, the master plan should (a) identify those infrastructure needs and (b) present a phased plan, with identifiable funding sources for meeting those needs. [04-04-12 @ 10:30 PM]
- #98-12 ALD. SALVUCCI AND CICCONE requesting an update on the new water meter installation project and information on how the meters and related equipment are functioning. [03-27-12 @ 9:06 AM]

REFERRED TO PROG. & SERV AND PUBLIC FACILITIES COMMITTEES

- #36-12 ALD. CROSSLEY & FULLER requesting Home Rule legislation or an ordinance to require inspections of private sewer lines and storm water drainage connections prior to settling a change in property ownership, to assure that private sewer lines are functioning properly and that there are no illegal storm water connections to the city sewer mains.
- A) Sewer lines found to be compromised or of inferior construction would have to be repaired or replaced as a condition of sale;

B) Illegal connections would have to be removed, corrected, and re-inspected in accordance with current city ordinances and codes, as a condition of sale.
[01/24/12 @ 8:07 AM]

#418-11 ALD. CROSSLEY, HESS-MAHAN, LINSKY AND SALVUCCI requesting a report from the administration on the status of a strategy to meet the City's obligation as a Department of Energy Resources Green Community to reduce municipal energy consumption by 20% over five years, and how that strategy is incorporated into the capital improvement plan. [12/08/11 @ 4:09 PM]

REFERRED TO PS&T AND PUBLIC FACILITIES COMMITTEES

#413-11 ALD. CICCONE, SALVUCCI, GENTILE & LENNON updating the Public Facilities and Public Safety & Transportation Committees on the progress of renovations to the city's fire stations. [11-17-11 @ 11:07 AM]

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#383-11(4) HIS HONOR THE MAYOR recommending that Section 29-80 (b)(1) of the City of Newton Revised Ordinances, 2007 be amended by revising the stormwater rates as follows: single-family residences \$25 per year, two-family residences \$37.50 per year, and multi-family (3 units or more), commercial, industrial, and institutional properties (to include non-profits) would be charged at a rate of \$25 per Equivalent Residential Unit of 2,600 square feet of impervious surface on the property to take effect on July 1, 2012. [04-09-12 @ 2:39 PM]

#352-11 ALD. JOHNSON & SCHNIPPER requesting a discussion with the Utilities Department regarding the City of Newton's current water billing practices. [10/14/11 @ 2:31 PM]

#172-11 ALD. CROSSLEY, FULLER AND SCHNIPPER requesting discussion with the Utilities Division of the Public Works Department regarding the identification of storm water inflow connections to the sewer system, so as to begin the process of systematically eliminating such illegal connections, including notifications to property owners, educational materials, requirements for corrective actions and technical and financial assistance that may be available from the City in order to facilitate removal of inflow connections. [05/26/11 @3:33 PM]

#139-11 ALD. LINSKY, DANBERG & SALVUCCI proposing that §26-71, 26-72 and 26-73, **Sidewalk construction requested by owners, Materials for sidewalk construction, and New curbing installation**, respectively, be amended to extend participation in the betterment program to property owners who voluntarily pay the residual 50% of the costs over time in addition to the 50% initial payment provided under the ordinance. [04-27-11 @9:38 AM]

#138-11 ALD. CROSSLEY AND SCHNIPPER requesting a report from the Department of Public Works regarding the energy use and maintenance costs for the City's streetlights and gaslights and costs/payback associated with recommended energy efficiency measures. [04-21-11 9:08 AM]

REFERRED TO PS&T AND PUBLIC FACILITIES COMMITTEE

#41-11 ALD. JOHNSON, LENNON AND DANBERG requesting discussion of the elimination, except during snow emergencies, of the overnight parking ban which is in effect from November 15 through April 15. [01/18/11 @ 9:00 PM]

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#311-10(A) HIS HONOR THE MAYOR requesting an appropriation in the amount of three million three hundred thirty-five thousand dollars (\$3,035,000) from bonded indebtedness for the purpose of funding the FY 2011 Capital Improvement Plan projects as follows: [11/29/ 10 @ 3:23 PM]

Architectural Design and Engineering/ Next Scheduled Fire Station \$400,000
A-2 - HELD 6-0 \$270,000 for final design bidding and construction admin on 12/08/10

REFERRED TO PROG & SERV AND PUBLIC FACILITIES COMMITTEES

#245-10 ALD. SCHNIPPER AND SANGIOLO requesting discussion with National Grid regarding the possible damage to trees as a result of gas leaks. [09/01/10 4:00 PM]

#244-10 ALD. SALVUCCI requesting discussion with the Utilities Director and the Public Works Commissioner regarding the possibility of installing second water meters for outside irrigation. [08/17/10 @ 12:18 PM]

#223-10 ALD. YATES & ALBRIGHT requesting updates on the status of the reconstruction of the Needham/Newton Street corridor, which include details on the reconstruction funding, plans for the revitalization of the area, and plans for the implementation of transportation improvements. [07/15/10 @ 1:02 PM]

#367-09 PUBLIC FACILITIES COMMITTEE requesting discussion with the Law Department on how to resolve the dispute with NStar regarding whose responsibility it is to repair the streetlight connection between the manhole and the base of the streetlight. [10/21/09 @ 9:00 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]

#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]
- (f) establishment of a committee to provide oversight for public building construction and renovation during all phases of planning, design and construction.

#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]

Respectfully submitted,

Anthony J. Salvucci, Chairman

CITY OF NEWTON
MASSACHUSETTS

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 Board of Aldermen before it is sent to the Public Works Department for a preliminary review. 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 and the Department of Public Works Permit Processing brochure.

Grant of Location Process:

1. Applicant submits completed Petition Form and required materials to the Board of Aldermen
2. Public Works Department conducts preliminary review and gives written comments to the applicant
3. Engineering Division files Petition Form with comments with the Clerk of the Board of Aldermen
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 my be directed to:

Lou Taverna, City Engineer, 617-796-1020
Shawna Sullivan, Clerk of the Board of Aldermen, 617-796-1213

I. IDENTIFICATION (Please Type or Print Clearly)

Company Name NATIONAL GRID

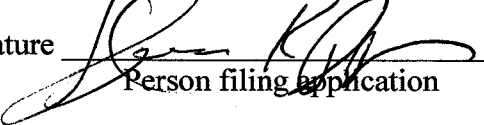
Address 40 SYLVAN RD
WALTHAM MA 02451

Phone Number 617-293-0400

Fax Number _____

Contact Person DENNIS REGAN

Title PERMIT REPRESENTATIVE

Signature 
Person filing application

Date 7-13-12

RECEIVED
Newton City Clerk
2012 JUL 13 PM 3:03
David A. Olson, CMC
Newton, MA 02459

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 completion, type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.

TO INSTALL AND MAINTAIN APPROXIMATELY 450 FEET MORE OR LESS OF 4 INCH GAS MAIN IN MARCELLUS RD. NEWTON. FROM THE EXISTING 4 INCH GAS MAIN AT HOUSE #4 WESTERLY TO BOULDER RD. FOR A NEW GAS SERVICE TO HOUSE #36 BOULDER RD

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

Title of Plan 36 BOULDER RD. NEWTON MA Date of plan 6-12-2012

III. PUBLIC WORKS DEPARTMENT REVIEW

Date received by Public Works Department _____

Check One:

Minor Project

Major Project

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:

7/16/12

RECOMMENDATIONS:

1. 36" minimum cover on all trenches
2. Backfill shall be 95% compaction.
3. Bituminous concrete roadway shall be replaced in kind to City of Newton specifications.
4. All concrete sidewalk, curbs and curbing damaged shall be replaced in kind and grade to City of Newton specifications.
5. H Boulder Rd. is newly paved, mill and overlay same 1 1/2" for 25' each side of new gas main trench to City of Newton specifications.
6. Trees shall be protected from any damage.

1. Street opening permit required from City of Newton

2. Notify Engineering 48 hours prior to work

3. Police detail required

L. Lavenna 7/16/12

V. RECOMMENDATION TO PUBLIC FACILITIES COMMITTEE:

7. Traffic shall be maintained.

[Signature]
Commissioner, Public Works

7/16/12
Date

PETITION OF NATIONAL GRID FOR GAS MAIN LOCATIONS

#241-12

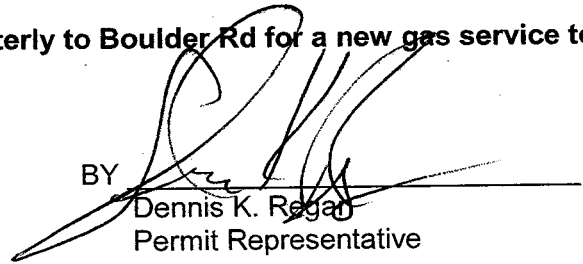
City of Newton/ Board of Alderman:--

The Nationalgrid hereby respectfully requests your consent to the locations of mains as hereinafter described for the transmission and distribution of gas in and under the following public streets, lanes, highways, and places of the **City of Newton** and of the pipes, valves, governors, manholes and other structures, fixtures and appurtenances designed or intended to protect or operate said mains and accomplish the objects of said Company; and the digging up and opening the ground to lay or place same:

**To install and maintain approximately 450 feet more or less of 4 inch gas main in Marcellus Rd, Newton.
From the existing 4 inch gas main at House # 40 Westerly to Boulder Rd for a new gas service to House # 36 Boulder Rd.**

DATE July 13, 2012

BY



Dennis K. Regan
Permit Representative

ORDER FOR GAS MAIN LOCATION

City of Newton/ Board of Alderman:

IT IS HEREBY ORDERED that the locations of the mains of the Nationalgrid for the transmission and distribution of gas in and under the public streets, lanes, highways, and places of the **City of Newton** substantially as described in the petition dated July 13, 2012 attached hereto and hereby made a part hereof, and of the pipes, valves, governors, manholes and other structures, fixtures and appurtenances designed or intended to protect or operate said mains and/or accomplish the objects of said Company, and the digging up and opening the ground to lay or place same, are hereby consented to and approved.

The said Nationalgrid shall comply with all applicable provisions of law and ordinances of the **City of Newton** applicable to the enjoyment of said locations and rights.

Dated this _____ day of _____, 20 ____.

I hereby certify that the foregoing order was duly adopted by the _____ of the City of _____, MA on the _____ day of _____ 20 ____.

BY _____

Title

**RETURN ORIGINAL TO THE PERMIT SECTION
NATIONALGRID
40 SYLVAN RD, WALTHAM, MA 02451
RETAIN DUPLICATE FOR YOUR RECORDS**

**RECEIVED
Newton City Clerk
2012 JUL 13 PM 3:03
David A. Olson, CMC
Newton, MA 02459**

Final Label Report

#241-12

SBL	Owner	Number	Street	Unit
81018 0008	FAIGEL JULIA	20	BOULDER RD	
81018 0007	HOUSMAN CHARLOTTE	28	BOULDER RD	
81018 0006	TAN REALTY DEV LLC	36	BOULDER RD	
81017 0001	KURK ALICE B TR		DEDHAM ST	
81018 0009	POOLE BENJAMIN H	336	DEDHAM ST	
81017 0002	KURK ALICE B TR	348	DEDHAM ST	
81016 0008	SAEYAN VISDA	7	MARCELLUS DR	
81016 0007	MARK JONATHAN & AVIVA	15	MARCELLUS DR	
81017 0015	CHAN SUSIE	20	MARCELLUS DR	
81016 0006	LI SHU	23	MARCELLUS DR	
81017 0016	DOSS SUSEELA & AMAL D	30	MARCELLUS DR	
81016 0005	SMITH ELAINE K TR	31	MARCELLUS DR	
81017 0017	SOLDATOV VADIM	40	MARCELLUS DR	
81016 0004	ZINNER KENNETH D & LORI K	41	MARCELLUS DR	
81017 0018	FINS CECILIA	46	MARCELLUS DR	
81016 0003	ROBINSON ANDREW L & SUZANNE L TRS	51	MARCELLUS DR	
81017 0019	WEINER MELVIN MILTON	56	MARCELLUS DR	
81016 0002	NEITLICH SUMNER J L/E	59	MARCELLUS DR	
81016 0001	TITUNIK STEVEN E & BEVERLY TRS	67	MARCELLUS DR	
81017 0020	LIU PETER T & JORANA	70	MARCELLUS DR	
81017 0014	RAUSA-THOMPSON GLORIA V TR	519	PARKER ST	
81016 0017	PETERSBURG CORPORATION	70	WENDELL RD	
81018 0005	EYAL ARMOS & JUDITH	90	WENDELL RD	

CITY OF NEWTON
MASSACHUSETTS

PETITION for GRANT OF LOCATION

To the Petitioner:

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Grant of Location Process:

1. Applicant submits completed Petition Form and required materials to the Board of Aldermen
2. Public Works Department conducts preliminary review and gives written comments to the applicant
3. Engineering Division files Petition Form with comments with the Clerk of the Board of Aldermen
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 final decision

Questions may be directed to:

Lou Taverna, City Engineer, 617-796-1020
Shawna Sullivan, Clerk of the Board of Aldermen, 617-796-1213

RECEIVED
Newton City Clerk
2012 JUL 31 PM 1:41
David A. Olson, CMC
Newton MA 02459

I. IDENTIFICATION (Please Type or Print Clearly)

Company Name COMCAST

Address 241 W. CENTRAL ST. NATICK MA.

Phone Number 508-647-1421 Fax Number _____

Contact Person Mike Cohe Title PROJECT COORDINATION

Signature Michael A. Cohe Date 7/31/12
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 completion, type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.

Please See Attachment(s) for Project description, Anticipated Time Frame for Trenching + Restoration is 3 days. Backfill with Flowable Fill and ASPHALT TOP COAT, Concrete Restoration if Boring is NOT Acceptable

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

Title of Plan *Newtownville Ave Sketch* Date of plan *2/31/12*

III. PUBLIC WORKS DEPARTMENT REVIEW

Date received by Public Works Department _____

Check One:

Minor Project Major Project 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:

RECOMMENDATIONS:

V. RECOMMENDATION TO PUBLIC FACILITIES COMMITTEE:

Commissioner, Public Works

Date

Cooke, Mike

Comcast is requesting to petition the Town of Newton with a request to trench in the public roadway to provide Comcast services to 458-462 Newtonville Ave./290-294 Walnut St. Newton. Comcast is proposing to trench 18" in width by 24" in depth from pole 35/12 on Bower St. and placing a single 3" conduit. This trench will be approximately 250' in asphalt with 1(6'x4' concrete sidewalk panel proposed to be bored)travelling to the rear of the property and coring into the basement. Asphalt trench will be repaired to the Town standard (flowable fill and concrete encasement if required, asphalt top coverage). A Comcast proposed route and diagram is attached. Respectfully submitted Michael A. Cooke Comcast Project Coordinator

#242-12

Bower ST

Pole
35112



Newtonville
Ave.

80 FT ASPHALT TRENCH.

120 FT ASPHALT TRENCH

40 FT ASPHALT
w/ 6" SIDEWALK
BORE

CONCRETE
SIDEWALK BORE
6 FT

10 FT ASPHALT
PROPOSED
CORE INTO BUILDING

458-462

290-294

RECEIVED
Newton City Clerk
2012 JUL 31 PM 1:41
David A. Olson, CMC
Newton, MA 02459

Newtonville Ave @
WALNUT ST 7/31/12

Newton MA.

WALNUT ST.

Final Label Report

#242-12

SBL	Owner	Number	Street	Unit -
22004 0013	GALLAGHER PATRICIA J TR	80-86	BOWERS ST	
22005 0018	DUBLIN AUDREE E TR	416	NEWTONVILLE AVE	
22004 0010	CHOU WEI CHUNG	417	NEWTONVILLE AVE	
22005 0019	LOWNEY KATHLEEN E	424	NEWTONVILLE AVE	
22004 0011	NIXON KATE K TR	425	NEWTONVILLE AVE	
22005 0024	PERRY CHAUNCY S & NANCY M	432	NEWTONVILLE AVE	
22004 0017	GALLAGHER PATRICIA J TR	439	NEWTONVILLE AVE	
22005 0025	JAISWAL GURVINDER K TR	440	NEWTONVILLE AVE	
22005 0031	NEWTON MASONIC ASSOCIATES INC	454	NEWTONVILLE AVE	
22005 0032	NEWTON MASONIC ASSOCIATES INC	456-460	NEWTONVILLE AVE	
22004 0015	RUSH REALTY HOLDINGS LLC	288	WALNUT ST	



Comcast Cable
334B Calef Highway
Epping, NH 03042
603.679.5695 Tel
www.comcast.com

August 2, 2012

Board of Alderman
City Hall
Newton, MA 02159

RECEIVED
Newton City Clerk
2012 AUG '3 AM 11:30
David A. Olson, CMC
Newton, MA 02459

Dear Board of Alderman;

The enclosed petition is being presented by Comcast and Trillennium Services Inc. for the purpose of obtaining a Grant to install a new conduit and manholes in the street of Wells Ave. from the area of 75-95 passing 120, 130, 135 Wells Ave and stopping at an existing Comcast vault in front of 159 Wells Ave.

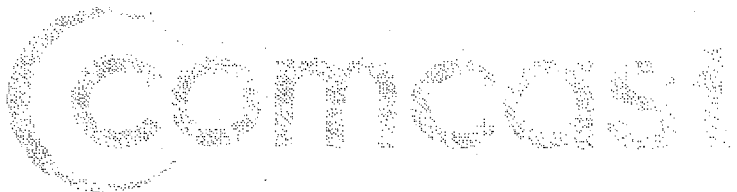
This work is necessary to extend the conduit beyond 75-95 Wells Ave. and to provide service to 120, 130 and 135 Wells Ave.

Your prompt response to this request will be greatly appreciated. If you have any questions, please contact me at 617-279-7792.

Sincerely,

Mark Carter

Project Coordinator- Comcast



CITY OF NEWTON
MASSACHUSETTS

PETITION for GRANT OF LOCATION

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Lou Taverna, City Engineer, 617-796-1020
Shawna Sullivan, Clerk of the Board of Aldermen, 617-796-1213

2012 AUG 3 AM 11:30
David A. Olson, CMC
Newton, MA 02459

RECEIVED
Newton City Clerk

I. IDENTIFICATION (Please Type or Print Clearly)

Company Name COMCAST

Address 334B CALEF HIGHWAY
EPPING NH 03042

Phone Number 617-279-7792 Fax Number _____

Contact Person MARK CARTER Title PROJECT COORDINATOR

Signature *Mark Carter* Date 8/02/2012
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 completion, type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.

SEE ATTACHED DESCRIPTION
SCOPE

B. Include or attach a sketch to provide a visual description of the project. If plans are attached, provide:
Title of Plan 75-95 TO 159 WELLS AVE. Date of plan 8-2-2012

III. PUBLIC WORKS DEPARTMENT REVIEW

Date received by Public Works Department _____

Check One:

Minor Project Major Project 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:

RECOMMENDATIONS:

V. RECOMMENDATION TO PUBLIC FACILITIES COMMITTEE:

Commissioner, Public Works

Date

Description- Scope of Work (Comcast Wells Ave.)

From a Comcast vault to be installed in the grass strip area in front of 75-95 Wells Ave., Comcast proposes to extend its trench/conduit 45' across the street (Wells Ave.) and place a new vault in the grass area in front of 90 Wells Ave. Continue trench an additional 420' and place a new vault near 120 Wells Ave. in the grass strip area. Continue in the grass area along Wells Ave. an additional 410' and place a vault in the grass area of 154 Wells Ave., from this same vault cross Wells Ave. 70' and place a vault in the grass area in front of 135 Wells Ave. From the vault in front 154 Wells Ave., continue 398' and place a vault in the area of 200 Wells Ave. in the grass strip. From the vault at 200 Wells Ave. cross Wells Ave. 68' and place a vault in the grass area of 145 Wells Ave. From the vault in the area of 200 Wells Ave. continue trench 300' and place a vault in the grass area of 180 Wells Ave., then continue trench to an existing Comcast vault in the grass area in front of 160 Wells Ave. (NECN). All conduits will be 4" in diameter and all vaults will be 24"X36", if manholes are required they will be 3'X3' in size. All work will be in accordance with town specifications and traffic control will be provided.

RECEIVED
Newton City Clerk
2012 AUG 3 AM 11:30
David A. Olson, CMC
Newton, MA 02459

Wells ave, newton ma - Google Maps

Google

WELLS AVE., NEWTON, MA 02459

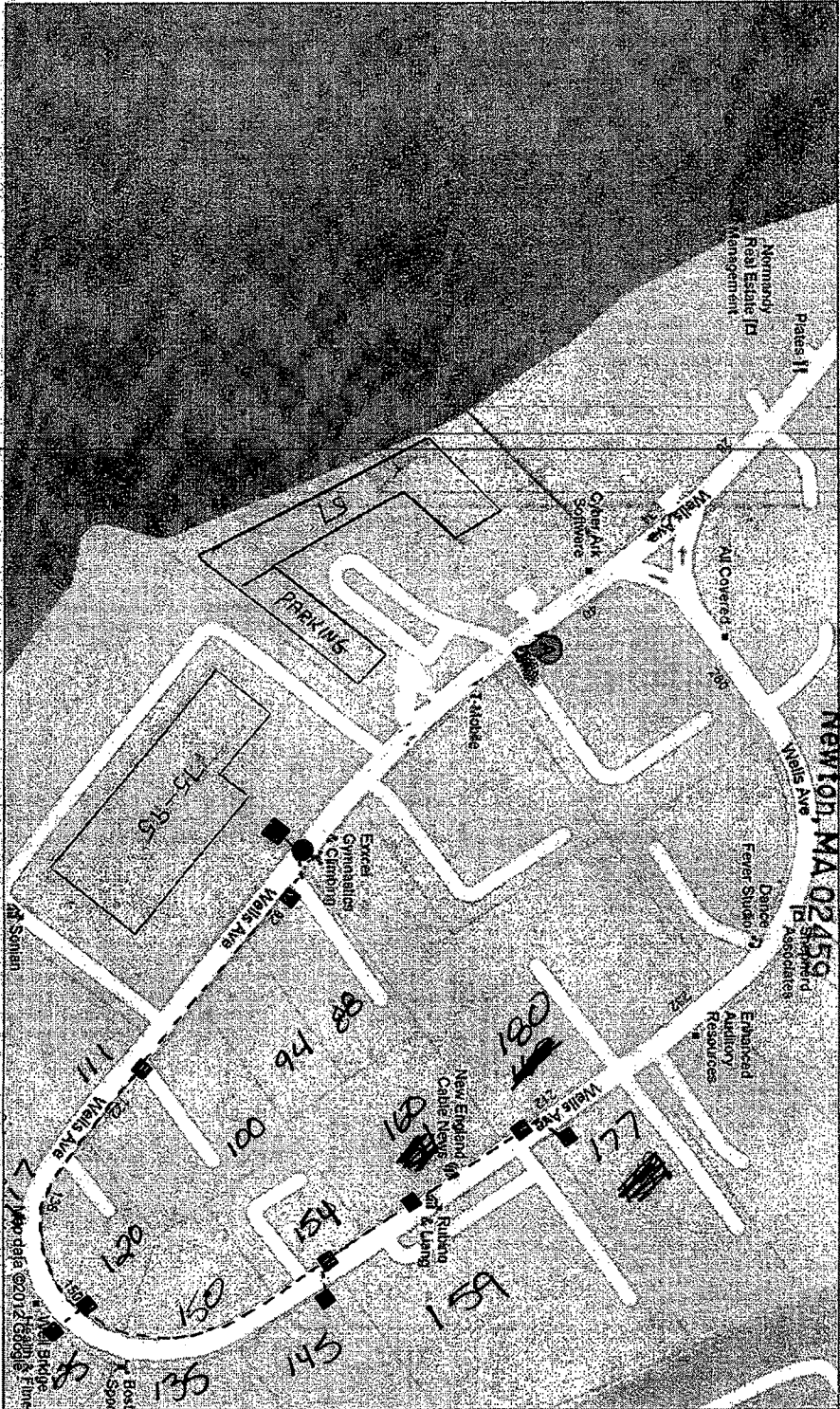
75-95 to -158

RECEIVED
Newton City Clerk

2012 AUG '3 AM 11:30

David A. Olson, CMC

Newton, MA 02459



To see all the details that are visible on the screen, use the "Print" link next to the map.

Final Label Report

#243-12

SBL	Owner	Number	Street	Unit
84034 0002A	ONE WELLS AVE LTD PTNRSHIP	1	WELLS AVE	
84034 0002K	WELLS AVENUE LLC	2	WELLS AVE	
84034 0002B	NS 7/57 ACQUISITION LLC	7-57	WELLS AVE	
84034A0001	WELLS 60 REALTY LLC	60	WELLS AVE	
84034A0008	WRP REALTY INC TR	70	WELLS AVE	
84034 0002C	NS WELLS ACQUISITION LLC	75-95	WELLS AVE	
84034A0004A	MAGGIORE PAUL J	88	WELLS AVE	
84034A0004B	NINETY FOUR WELLS LLC	94	WELLS AVE	
84034A0007	WRP REALTY INC TR	100	WELLS AVE	
84034 0002D	NS WELLS ACQUISITION LLC	111	WELLS AVE	
84034 0002P	UNITED STATES OF AMERICA	117	WELLS AVE	
84034A0006	WILLOWBEND-ONE TWENTY WELLS AVE LLC	120	WELLS AVE	
84034 0002R	SOLOMON SCHECHTER DAY SCHOOL	125	WELLS AVE	
84034 0002E	BOS CLUB LL MA LLC	135	WELLS AVE	
84034 0002G	D & D IMAGE GROUP INC	145	WELLS AVE	
84034A0005	WRP REALTY INC TR	150	WELLS AVE	
84034A0005A	154 WELLS ASSOCIATES LLC	154	WELLS AVE	
84034 0002H	SLD WELLS LLC	159	WELLS AVE	
84034A0004	WRP REALTY INC TR	160	WELLS AVE	
84034 0002N	DEVEANEY ENERGY INC	177	WELLS AVE	
84034A0003	180 WELLS REALTY LLC	180	WELLS AVE	
84034 0002S	EAST-WEST ENTERPRISES CO LTD	181	WELLS AVE	
84034 0002T	WRP REALTY INC TR	189	WELLS AVE	
84034 0002U	MPL GROUP INC TR	199	WELLS AVE	
84034A0002	RJ WELLS MANAGEMENT LLC	200	WELLS AVE	



City of Newton, Massachusetts
Office of the Mayor

SETTI D. WARREN
MAYOR

#197-12

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(617) 796-1100

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(617) 796-1113

TDD
(617) 796-1089

E-mail
swarren@newtonma.gov

July 2, 2012

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

Ladies and Gentlemen:

I write to request the Honorable Board approve a long term lease to allow for the installation of solar panels on the roof-tops of five (5) of our school buildings. The solar photovoltaic firm, Ameresco Solar Inc., is prepared to enter into a Power Purchase Agreement (PPA) whereby the private firm purchases, installs, and maintains solar arrays on Newton North HS, Brown MS, Memorial-Spaulding, Countryside, and Bowen Elementary Schools. In exchange, we will pay a predetermined fee for each kilowatt of renewable energy produced, and commit to a twenty (20) year lease at no cost on the roof-top for space needed.

Through a RFQ process, members of the Energy Commission and City staff have secured the possibility for the production of approximately 3/4 of a megawatt (750,000 kilowatts) per year of clean energy to offset our electricity demand and compliment the City's efforts to reduce our energy consumption by 20% while reducing our carbon footprint. At virtually no cost to the City, this arrangement is a win-win proposition, allowing a private firm to make the investment for installation and maintenance, while Newton benefits from lower energy bills and a cleaner environment.

I hope you will join me in advancing such a timely initiative. Thank you for your consideration of this matter.

Sincerely,

Setti D. Warren
Mayor

Encl.

RECEIVED
Newton City Clerk
2012 JUL -2 PM 5:03
David A. Olson, CMC
Newton, MA 02459

Overview of Newton's Solar Lease and Power Purchase Agreement

July 12, 2012

Purpose:

In an effort to promote locally generated renewable energy and help stabilize municipal energy costs over the next twenty years, the City is proposing to enter into a Power Purchase Agreement (PPA) with a private solar energy firm to address these goals. Through a long-term lease with the City, Ameresco Solar, Inc. (Ameresco) would be allowed to construct, install, operate, and maintain solar panel arrays on the rooftops of five municipal school buildings. Under the PPA, the City will pay for energy produced by Ameresco and receive financial reimbursements from our electricity supplier, NSTAR.

Background:

The Solar Panel Project was initiated at the end of 2010 through the issuance of a *Request For Qualifications* under Chapter 25A of the Massachusetts General Laws. In June 2011, the City interviewed three qualified prospective solar installers and began exploration of the engineering and financial terms for such a project. With assistance from members of the Energy Commission, an independent consultant, and City staff, extensive research and financial modeling for solar installation and power production were conducted .

Ameresco was the second of the three firms selected who conducted an analysis of City facilities and demonstrated the most promise for reaching a long term agreement with the City while meeting City goals. As such, the City signed a memorandum of understanding with the company in February 2012 acknowledging Newton's interest in Ameresco conducting a feasibility study, developing options for installations at public buildings, and proposing PPA pricing. Ameresco conducted its evaluations and preliminary conceptual design and delivered a proposal to the City in May 2012. Five school buildings were selected based on three main factors:

1. Direct exposure to sunlight throughout each day and each season – the most common obstacles encountered are rooftop equipment and shade from nearby trees.
2. Age and condition of the roof
3. Structural capacity – by building code, selected buildings must be able to safely support the additional weight of the solar equipment

Proposal:

Ameresco proposes to install solar photovoltaic panels on top of the following five (5) schools in the City of Newton:

<u>SCHOOL BUILDING</u>	<u>PANEL CAPACITY</u>	<u>ANNUAL PRODUCTION</u>
Newton North HS	262 kW	300,578 kWh
Brown MS	262 kW	309,011 kWh
Memorial Spaulding ES	112 kW	131,139 kWh
Countryside ES	66 kW	78,203 kWh
Bowen ES	50 kW	60,190 kWh
Totals:	752 kW	979,121 kWh

Under Ameresco's proposal, separate City accounts for each solar array would be established with NSTAR. The City would pay NSTAR for power deliveries as it does today. The City would also pay Ameresco agreed upon rates for solar output. The City would receive money from NSTAR in the form of *net metering credits*. (Net metering credits are based upon the difference between solar kWh generation and solar facility kWh consumption, multiplied by an amount determined under NSTAR's tariff appropriate for the newly created account and meter size, DPU regulations and state legislation.)

To date, this type of arrangement has been used by several other municipalities in Massachusetts. Under Ameresco's proposal, Newton will be paying Ameresco approximately \$0.11/kWh escalated at a rate of 2.5% per year. With the financial credits returning to the City from NSTAR under the net metering credits, a net benefit to the City will result in approximately \$750,000 over twenty years when compared to current electricity costs.

Advantages:

In addition to the environmental benefits to the total renewable energy production in the Commonwealth, this proposal provides the City with a predictable electric rate that is anticipated to escalate at a slower pace than the industry standard, thus providing some level of protection to unpredictable spikes in energy costs such as was experienced in 2008, where volatility saw energy charges increase by close to 80% and then decrease approximately 60% the next year.

There is no up-front cost to the City with little foreseen risk moving forward. All equipment including PV panels, wiring, inverters, and mounting equipment will be owned, operated, and maintained by Ameresco. The panels themselves will be mounted on each roof using a ballasted system with no roof penetrations barring possible connection to the electrical system (see photo below).

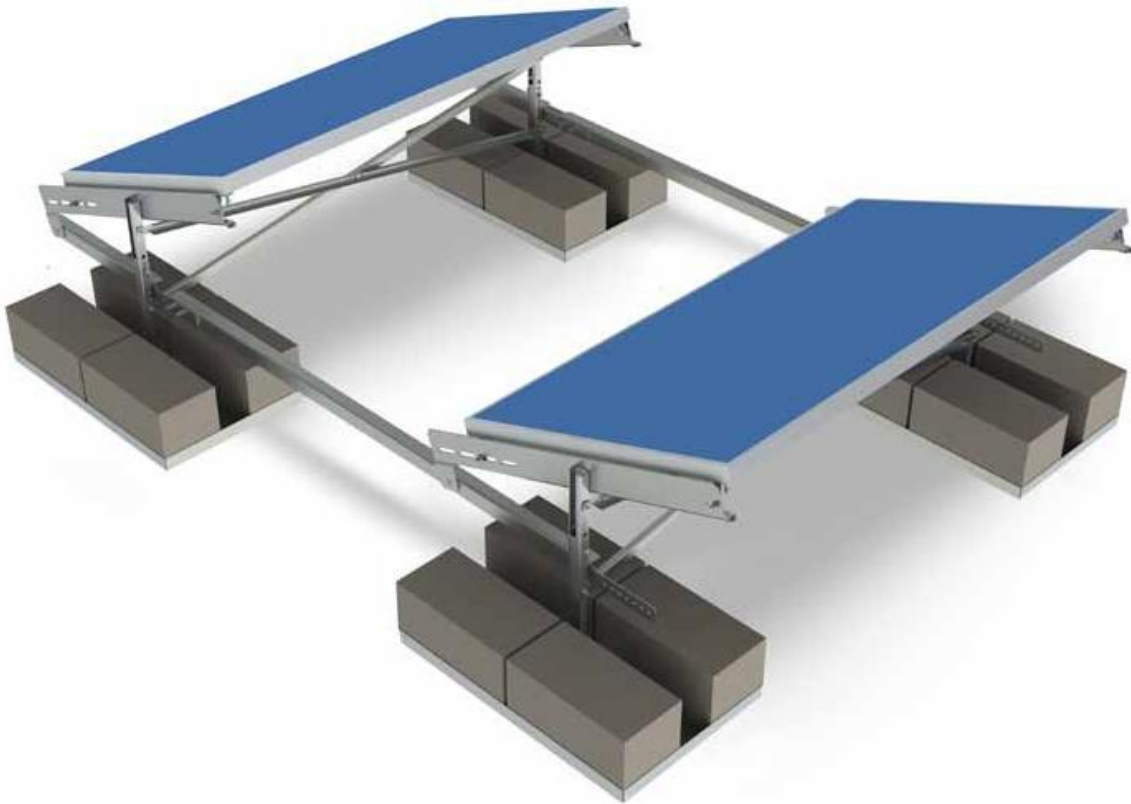


Figure 1. A schematic of a typical surface mounted solar roof installation

Next Steps/Timeline:

With approval by the Board of Aldermen to allow the City to enter into a lease for portions of the rooftops of those aforementioned five school buildings, Ameresco will complete detailed engineering drawings, negotiate an agreeable 20-year lease and Power Purchase Agreement with the City, and begin installation as soon as all permits and requirements are attained. The anticipated timeline for installation is for completion and full operation by December 31, 2012.

Together, the lease and PPA, while a negotiated document, is expected to address several City concerns to include:

- * warranties and insurance coverage for the solar equipment
- * option for the City to buy-out the panels from Ameresco at an agreed upon time in the lease
- * responsibility for the cost of the panel removal at the end of the twenty year term if the City chooses not to buy the solar facilities to be borne by Ameresco.
- * protection of any roof warranties held by the City
- * responsibility for snow removal
- * the right for the City to review proposed designs with right of approval for non-generation items, such as type of conduit used, general layout to allow for easy and safe rooftop equipment access
- * responsibility for correct installation
- * responsibility for all maintenance operations
- * responsibility for all failed equipment replacement and inverter replacement at 10 year mark
- * minimum annual visits/ safety checks
- * education program and kiosks
- * ability for City to repair roofs without penalty
- * assurances that installation and maintenance will not disrupt the conduct of classroom activities and approval by the School Department as to the operation protocols
- * conditions and responsibility for emergency shutdowns to protect the system due to NSTAR system problems
- * emergency access by the owner (Ameresco) and emergency notifications by the City

Upon final agreement of the lease and Power Purchase Agreement signed by both Ameresco and the Mayor, final copies will be distributed to the Board of Aldermen. It is expected this will occur in coming months.



SETTI D. WARREN
MAYOR

City of Newton, Massachusetts
Office of the Mayor

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TDD
(617) 796-1089

E-mail
swarren@newtonma.gov

Date: August 31, 2012

To: Alderman Anthony Salvucci, Chairman of Public Facilities Committee
Members of the Public Facilities Committee

From: Robert R. Rooney, Chief Operating Officer 
Alan Mandl, Assistant City Solicitor
Maciej Konieczny, Sustainability Project Manager

RE: Docket Item #197-12; Proposal to enter into a long-term Lease and Power Purchase Agreement to install solar panels on City school buildings

CC: Board of Aldermen
Mayor Setti D. Warren

Background

This docket item requests authority from the Board of Aldermen for the City to enter into a Power Purchase Agreement (PPA) and long-term lease as authorized by MGL 25A for the purpose of solar energy generation in partnership between the City and a third party owner (Ameresco). After several months of exploration and negotiation with Ameresco, participation by members of the Energy Commission, and guidance/advice by the City's independent solar expert (Cadmus), four schools are proposed for installation of solar panels to generate electricity. The item was heard and continued in Public Facilities Committee in July 18, 2012 and held open as a public hearing. In addition, it was referred to the Finance Committee due to financial implications. As it is anticipated that several tax incentives expire at the end of the calendar year, in order to meet that timeline Ameresco Solar has moved forward with the design and further negotiation with the City on the terms of the Lease and PPA (Enclosure A).

Advantages

Several advantages have been identified and are summarized here:

1. Generation of close to $\frac{3}{4}$ megawatt of energy from clean energy that would otherwise be unharnessed on the roofs of buildings where there no interference with other City functions.
2. Reduced energy costs compared to current rates with NSTAR. Under conservative economic assumptions, saving the City over \$750,000 in electricity costs over the life of the lease.
3. More predicable energy costs for compared to open market volatility.
4. Educational value to students in grades K-12 as part of a curriculum covering sustainable living, reduction greenhouse gas emissions, better utilization of resources, and financial savings.
5. Identify Newton as a municipal leader in the promotion and support of green energy generation, reducing our dependence on fossil fuels.
6. Provide a working model from which to analyze further potential in the City for future initiatives in development of green energy initiatives.
7. Take advantage of current market incentives and statutes to fund important long lasting infrastructure development.

Summary of Actions/Developments since July

A summary of the pertinent facts as updates of all efforts to date toward this item are provided here:

- (1) After further review of costs involved with moving panels in order to replace the roof on Bowen School in approximately Year 10 of the Lease, it was determined to be uneconomically attractive for the City to include solar panels on this school.
- (2) In light of (1), four schools remain as viable for the installation of solar panels: Newton North HS, Brown MS, Memorial-Spaulding ES, and Countryside ES.
- (3) Guaranteed maximum energy production (4 school total) = 702 kW or 818,931 kWh per year
- (4) The School Department, to include the four principals and executive staff, and School Committee (through Jonathan Yeo) is informed of this proposal and fully support the initiative (Encl B).
- (5) Educational program materials, description of LCD displays available for each school, and website information and metrics were provided to the School Department.
- (6) Information was sent to Ward Aldermen in Ward 2 (NNHS) and Ward 8 (Brown, Memorial-Spaulding, Countryside) about the proposal with no concerns raised to date.
- (7) Site visits to all four schools and notice to individual abutters in the direct line of sight to the proposed roof top panels of the public hearing, total scope of the initiative, and point of contact for further information.
- (8) Similar agreements concluded by Natick were reviewed and a discussion with the responsible staff revealed similar analysis to determine terms and expectations with Ameresco.
- (9) A high-level summary of the terms in both the Lease and PPA are provided in Enclosure A. The complete draft versions of both the Lease and PPA are available on-line in the Board of Aldermen "Friday Packet" link to these documents.
- (10) Further meetings with Ameresco have resulted in the following changes in the proposal:
 - a. SREC (solar renewable energy certificates) sharing with the City after year 10 from zero to a 50%-50% split.
 - b. Cost per kWh reduced from 11 cents to 10.6 cents with an escalation reduced from 3% per year for 20 years to 0% in the first 3 years and 2.5% thereafter.
 - c. Established an early buy-out schedule that would kick in after Year 6 of the Lease.

Next Steps toward Implementing this Solar Initiative

With Board of Aldermen approval for the Mayor to enter into a long-term lease and power purchase agreement, final negotiations is expected to result in a binding agreement. Design of the solar panel arrays will then proceed to 100%. Simultaneously, City permits will be pulled and a request filed with NSTAR to effect an Interconnection Agreement, which allows on-site generated electricity to be metered and entered into the electric grid. Additionally, immediate submission for Net Metering Credits under the "cap allocation" with the Department of Public Utilities; this allows for Newton's reimbursement for clean energy generation to be reserved.

Finally, a construction sequence will be generated with firm milestones based on the logistics and financing. The goal is to have the solar panels on all 4 schools be installed and operational by December 31, 2012. Assuming Board approval on September 19th, these actions could move forward on October 10th.

Executive Summary of Draft Lease and Power Purchase Agreement

(prepared by Alan Mandl, Assistant City Solicitor)

Legal Authority

The City is authorized to enter into renewable energy supply arrangements under Massachusetts General Laws Chapter 25A, Section 11I. This chapter authorizes such arrangements to include a twenty 20 year lease. This legislation is specifically for renewable energy supply and separate from 30B procurement regulations.

What makes an arrangement with a third party of interest, is the availability of investment tax credits and accelerated depreciation in the tax law that is otherwise not available to a municipality.

In accordance with City Reuse ordinances, the request is for authorization from the Board of Aldermen for the Mayor to enter into a 20 year lease agreement with Ameresco. The City's Reuse Ordinance allows for the leasing of school rooftops for solar panel installations.

Major Terms of Draft Site Lease -

**Complete lease document available at BoA website under "Friday Packets"*

Party to Lease:	A special purpose entity (LLC) to be created and owned by Ameresco
Lease term:	20 years, running concurrently with the Power Purchase Agreement
Sites:	Newton North HS; Brown MS; Memorial-Spaulding ES; Countryside ES
Site Access:	Subject to City requirements during and after construction; CORI and SORI checks to be conducted by the City; procedures reviewed with Public Buildings and School Departments
Rental:	\$1.00 per year
Ownership:	Solar panels and related facilities (cabling, inverters, etc) up to NSTAR connection are owned by the LLC
Maintenance:	Each party maintains its own property and keeps it in good working condition
Insurance:	Ameresco provides insurance coverage
Financing:	First priority security interests granted to lenders
Rooftops:	Existing warranties protected; no rooftop penetrations in design and subject to City approval

Enclosure A

Major Terms of the PPA

**Complete PPA document available at BoA website under "Friday Packets"*

PPA Party/Term:	Ameresco special purpose entity LLC for 20 years from date of commercial operation
Sites:	Newton North HS; Brown MS; Memorial-Spaulding ES; Countryside ES
Permitting:	By Ameresco at its expense
Construction:	By Ameresco at its expense; Ameresco owns the solar facilities
Opns & Maint:	By Ameresco
Interconnection:	City files application with NSTAR with assistance from Ameresco
Purchase of kWh:	City buys 100% of the solar output from Ameresco
Purchase Price:	10.6 cents per kWh in years 1-3, with 2.5% annual escalator after Year 3
Output Guaranty:	Ameresco guarantees annual level of output declining 0.5% annually; Ameresco must make a payment/credit to the City if it does not produce the guaranteed output and the rate paid by the City to NSTAR is higher than the PPA rate capped at \$0.05/kWh on the rate differential; (the shortfall is calculated on multi-year averages)
Damage to Panels:	If caused by City negligence, City is responsible for property and revenue losses (based on kWh production)
Educational Program:	Ameresco provides custom educational program at no charge
Solar REC sharing:	After Year 10, if solar renewable energy credits value exceed \$0.10 per kWh will be shared 50-50 with the City; no benefit guaranteed.
Operation:	Commencement target date is on/before December 31, 2012 due to expiring tax benefits available to owner
Training:	City employees receive basic/emergency training at no charge
Purchase Option:	After year 6 the City has the option to purchase all or part of the solar facilities at higher of a fixed terminal value or fair market value determined by a neutral expert
System testing:	Meter testing, repairs and billing corrections

Billing: 30 day payment window; right for City to audit records to validate bills

Connection to Grid: Ameresco to move connection to grid (inside the meter) at City's request at no cost to the City

Rooftop Repairs: Without charge, the City will have 3 days per calendar year per building to take the solar system off-line to accomplish any roof maintenance or repairs; more than 3 days, the City bears the cost of lost kWh revenue, and lost Solar Renewable Energy Credits

Snow Removal: City may remove snow, while preserving safe operation of solar panels

Property Taxes: Any City property taxes imposed (under review by City Assessor) will be passed through as an additional expense of power.

System Removal: Ameresco LLC provides security for cost of system removal during the final 5 years of the 20 year term

Financing Parties: Financing party receives first lien position on Ameresco's solar assets

Default: In the event of Ameresco default, City can withhold payments and/or terminate agreement.

Bankruptcy: In the event of a bankruptcy, first lien holder has rights to solar panels and disposition.

From: "Joseph Russo" <Joseph_Russo@newton.k12.ma.us>
To: rrooney@newtonma.gov
Subject: Re: Proposal to Install Solar panels on 4 schools
Date sent: Thu, 23 Aug 2012 13:03:11 -0400

Bob,

All four principals are on board with the solar panels and the educational components. You have our support. Thanks.

Joe Russo
Assistant Superintendent for Elementary Education
100 Walnut Street
Newtonville, MA 02460
617-559-6105
joseph_russo@newton.k12.ma.us

NOTICE OF CONFIDENTIALITY: This transmission is intended only for the addressee(s) listed above, and may contain information that is confidential and privileged. If you are not the addressee, any use, disclosure, forwarding, copying or other communication of the contents of this transmission is prohibited without permission. If this message was received in error, please delete the message immediately and telephone me at 617-559-6105. Thank you for your cooperation.

ENCLOSURE B



City of Newton, Massachusetts
Office of the Mayor

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SETTI D. WARREN
MAYOR

E-mail
swarren@newtonma.gov

August 6, 2012

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

RECEIVED
Newton City Clerk
2012 AUG 6 PM 3:25
David A. Olson, CMC
Newton, MA 02459

Ladies and Gentlemen:

I write to request that your Honorable Board docket for consideration a request to appropriate the sum of \$2,700,000 and authorize a general obligation borrowing of an equal amount for the purpose of funding water main improvements designed to upgrade the City's water quality and improve fire flows. This will allow the Department of Public Works to implement a portion of the water main improvements as part of the 10-year - \$40 million Capital Improvement Plan.

\$2,700,000 is estimated for the design and construction of 9,500 linear feet of hydraulically deficient pipeline on Washington Street from Church Street to Chestnut Street, reducing friction, and improving water flow and water quality as well.

Thank you for your consideration of this matter.

Very truly yours,

Setti D. Warren
Mayor



City of Newton



DEPARTMENT OF PUBLIC WORKS
OFFICE OF THE COMMISSIONER
1000 Commonwealth Avenue
Newton Centre, MA 02459-1449

Setti D. Warren
Mayor

August 1, 2012

To: Mayor Setti D. Warren

Via: Robert R. Rooney, Chief Operating Officer
Maureen Lemieux, Chief Financial Officer

From: David F. Turocy, Commissioner

Subject: Request for Bond Borrowing Authorization,
\$2,700,000 for Water System Improvements FY 2013

I respectfully request authorization to borrow up to \$2,700,000 for water main improvements in FY 2013. This proposed borrowing will allow Public Works to implement a portion of the water main improvements as part of the 10 year - \$40 million Capital Improvement Plan. The City is committing to borrow \$4 million annually from City debt and MWRA to upgrade our water system, which will improve fire flows, and ensure the delivery of superior water quality.

Newton has approximately 319 miles of public water supply pipeline. Of these, the City has approximately 160 miles of unlined water pipe remaining to be rehabilitated. Through the use of a sophisticated Water Hydraulic Model, our water projects have been and will continue to be prioritized and planned based on age and hydraulic capacity, for the next 10 years and beyond. As we continue to calibrate and enhance the water hydraulic model, other ISO fire flow deficient areas may be identified for future water main upgrades.

Recent water hydraulic model studies have identified the existing 12" diameter unlined cast iron water main in Washington Street from Church Street to Chestnut Street as being hydraulically deficient. Upgrades are required to meet current ISO fire flow standards. Cleaning and lining 9,500 linear feet of this pipeline will improve fire flows to meet ISO standards, as the new lining will reduce friction and improve water flow. Water quality will be enhanced as well. \$2,700,000 is estimated for design and construction of this project. The 10 year water /sewer rate projection, limiting annual increases to no higher than 4%, includes the debt service payments associated with this proposed borrowing.

Please docket this request with the City Clerk's office for consideration by the Honorable Board of Aldermen.

cc: Louis M. Taverna, P.E., City Engineer
Frederick Russell, P.E., Director of Utilities
Ryan Ferrara, DPW Budget Director