

CITY OF NEWTON

IN BOARD OF ALDERMEN

PROGRAMS AND SERVICES COMMITTEE AGENDA

BUDGET

WEDNESDAY, APRIL 30, 2014

6:30PM

Room 222

PLEASE BRING YOUR BUDGET AND CIP BOOKS

BUDGET

HISTORIC NEWTON

VETERAN'S SERVICES

LIBRARY

PARKS & RECREATION

Chairman's Note: The Committee will take up the following item at 6:30pm then begin the budget discussions at 7:00pm

#397-13 ALD. SANGIOLO on behalf of the URBAN TREE COMMISSION, proposing amendments to the Tree Preservation Ordinance. [10/28/13 @ 2:46 PM]

REFERRED TO FINANCE AND APPROPRIATE COMMITTEES

#403-13(2) HIS HONOR THE MAYOR submitting in accordance with Section 5-1 of the City of Newton Charter the FY15 Municipal/School Operating Budget totaling \$345,044,967 passage of which shall be concurrent with the FY15-FY19 Capital Improvement Program (#403-13). [04/14/14 @ 5:43 PM]
EFFECTIVE DATE OF SUBMISSION 04/22/14; LAST DATE TO PASS THE BUDGET 06/06/14

REFERRED TO FINANCE AND APPROPRIATE COMMITTEES

#403-13 HIS HONOR THE MAYOR submitting the FY15-FY19 Capital Improvement Plan and Long Range Projection pursuant to section 5-3 of the Newton City Charter. [10/21/13 @ 9:59 AM]

All other items before the Committee will be held without discussion.

Respectfully Submitted,

Amy Mah Sangiolo

The location of this meeting is handicap accessible and reasonable accommodations will be provided to persons requiring assistance. If you need a special accommodation, please contact the Newton ADA Coordinator, Joel Reider, at least two days in advance of the meeting: jreider@newtonma.gov . or 617-796-1145. For Telecommunications Relay Service dial 711.



SETTI D. WARREN
MAYOR

URBAN FORESTRY

A division of
NEWTON PARKS AND RECREATION

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ROBERT J. DERUBEIS
COMMISSIONER

Memorandum

To: Programs and Services Committee

Date: April 25, 2014

From: Marc R. Welch
Director of Urban Forestry
Newton Parks and Recreation

Dear Committee,

During the recent discussions regarding the update to the Tree Preservation Ordinance one of the issues raised has been the impact to residents who qualify as Exempt. One of the concerns has been that owners of Exempt properties would be required to hire professional services, at great expense, to inventory and record the trees on their property. To address this concern below is an explanation of the process.

Properties where trees are to be removed where no construction will take place. – Property owner is not required to complete any paperwork or file for any permit. They may remove protected trees without notifying the City. The only requirement is that they own the home, and it stays occupied, for 18 months following the removal of trees.

Properties where trees are to be removed where construction will take place and property stays occupied. – Property owner will complete form at Inspectional Services that states that the property is exempt and that the current owner will own the property for 18 months and it will remain occupied for the same 18 months. The form will ask how many trees are being removed. Applicant will not be required to provide a plan showing these trees. There is no fee for filing this form. This is almost identical to the current practice. The one difference is that we will ask the number of trees to be removed, the property owner will certainly be able to count the trees and provide this information. There should be no need for the owner to hire someone to do this.

Properties where trees are to be removed where construction will take place and property in vacant. – Property owner will file for a tree removal permit. To be exempt from tree replacement requirements the owner will have to state they will own the property for 18 months following issuance of the new Certificate of Occupancy and the property must be occupied for those same 18 months. The owner will be asked to show on some type of site plan where the trees are that are to be removed. This information does not have to be provided by and architect, engineer, Arborist, or other professional person. We accept this information hand drawn on a sketch. We always inspect the sites to verify site conditions.

**Note – We always encourage people to call, email, or meet with us prior to doing any work. We will guide people whenever possible with what they need to do. We routinely meet with builders and homeowners on site and review the trees with them and assess condition and replacement requirements. In most cases the applicant will use this information in place of hiring a professional.

DIVISION 3. TREE PRESERVATION

Sec. 21-80 Findings, intent, and purpose.

The board of aldermen has determined that many valuable trees are being lost without replacement incident to demolition of existing buildings in order to construct new buildings and lot clearing in connection with the construction of new buildings on previously undeveloped land. The Board has further determined that trees have been lost, severely damaged or disfigured through excessive or improper pruning or other than natural causes. The result is a net loss of the tree population in the city. The board has further determined that the city has insufficient legal vehicles to assure that such development adequately preserves, protects and provides for replacement of trees.

Therefore, the board of aldermen deems it necessary and desirable in the interest of public health, safety and welfare to enact an ordinance for the preservation and replacement of trees while allowing for reasonable improvement of land within the city. It is the public policy of the city to add to the tree population within the city, where possible, and to maintain, to the greatest extent possible, existing trees within the city while allowing for reasonable development of land within the city. The planting of additional trees and the preservation of existing trees in the city is intended to accomplish, where possible, the following objectives:

- (a) To preserve trees as an important public resource enhancing the quality of life and the general welfare of the city and enhancing its unique character and physical, historical, and aesthetic environment;
- (b) To preserve the essential character of those areas throughout the city which are heavily wooded and in a more natural state;
- (c) To enhance and preserve the air quality of the city through the filtering effect of trees on air pollutants;
- (d) To reduce noise within the city through the baffle and barrier effect of trees on the spread of noise;
- (e) To reduce topsoil erosion through the soil retention effect of tree roots;
- (f) To reduce energy consumption through the wind break and shade effects of trees when they are properly placed;
- (g) To preserve and enhance nesting areas for birds and other wildlife which in turn assist control of insects;
- (h) To reduce storm water runoff and the costs associated therewith and replenish ground water supplies;
- (i) To protect and increase property values;
- (j) To protect and enhance the visual quality of the city.

Sec. 21-81. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Aggregate diameter: The combined diameter of a multiple trunk tree measured at breast height.

Building: The term "building" shall be as defined in section 30-1.

Certified arborist: An arborist certified by the Massachusetts Arborists Association or International Society of Arboriculture, or any successor organization.

Diameter breast height (DBH): The diameter of the trunk of a tree 4½ feet above the existing grade at the base of the tree.

Drip line: A vertical line running through the outermost portion of the crown of a tree and extending to the ground.

Exempt lot: A lot which meets all of the following criteria:

1. The lot is occupied and used primarily as a dwelling for up to four families at the time any protected tree(s) are removed.
2. The lot owner at the time of protected tree removal has owned the lot continuously for a minimum of ninety (90) days prior to the removal of any protected tree(s).
3. The existing structure on the lot must remain occupied as a dwelling with a person or persons living in it for eighteen consecutive months from the date any protected tree(s) are removed.
4. The lot must be owned by the same person for eighteen consecutive months from the date any protected tree(s) are removed.

Exterior work permit: A permit or approval which is required in order to perform work on a vacant lot or to the exterior of a building on a lot, including, but not limited to the following: a building permit; a review of an alteration of contour of land if required pursuant to section 30-5(c)(1); curb cut and street opening permits; an order of conditions; certificates of appropriateness, nonapplicability, or hardship; a demolition permit pursuant to section 22-44; site plan approval pursuant to section 30-23; subdivision approval; a special permit pursuant to section 30-24; a comprehensive permit.

Occupied Lot- A lot containing a legally constructed, permanent structure, used primarily as a dwelling that is currently being legally occupied and lived in and used as a residence by a person or persons. The dwelling must have a functioning, legally permitted, permanent water service, permanent sanitary service, and permanent electrical service.

Person: Any person, firm, partnership, association, corporation, company or organization of any kind including, but not limited to, the person removing a protected tree as well as the owner of the real property from which the tree is removed. The definition of "person" shall not include the City of Newton.

Protected tree: Any tree having a diameter of eight inches (8") DBH or larger or having an aggregate diameter of fifteen inches (15") DBH or larger and which is located on land subject to the provisions of section 20-32.

Pruning standards: Standards for pruning as defined in the City of Newton Tree Management Manual, 1995 and any future amendments or revisions to the same.

Remove (including removing and removal): The cutting down of any protected tree and all other acts which cause the actual removal or the effective removal through damaging, poisoning or other direct or indirect actions resulting in the death of a protected tree, including, but not limited to, excessive or improper pruning.

Tree Manual: The City of Newton Tree Management Manual, 1995, and any future amendments and revisions to the same. (Ord. No. V-275, 12-6-99)

Tree Warden: The commissioner of parks and recreation or his designee. (Rev. Ord. 2007, § 20-31)

Sec. 21-82. Applicability, permit or certificate of exemption required.

(a) *Applicability:* The terms and provisions of this article shall apply to any protected tree located on land within the city not owned by the city, the commonwealth, or any independent authority of the commonwealth, or by the federal government except protected tree(s) located on an exempt lot pursuant to paragraphs (c) and (d) below.

(b) *Permit, certificate of exemption:* No person shall remove a protected tree on a non-exempt lot located on land subject to the provisions of this article, or commence legally permitted exterior work on any lot without first obtaining a tree permit or a certificate of exemption from the tree warden. Applications shall be made in writing on forms specified by the tree warden.

(c) *Exempt lot, certificate of exemption:* The owner of an exempt lot shall not be required to apply for a tree permit, provided however, that an owner of an exempt lot who seeks an exterior work permit must certify to the tree warden on form(s) provided by the tree warden, that as of the date on the form(s) the lot qualifies as an exempt lot and will remain an exempt lot for eighteen months following tree removal. There shall be no fee for filing a certificate of exemption.

(1) The tree warden shall determine whether a property is an occupied lot for the purposes of establishing exempt lot status. The property owner shall, if requested by the tree warden provide proof of ownership as well as a written statement confirming ownership and that a person or persons are living in the property.

(2) If lot ownership changes during the eighteen consecutive months following the removal of any protected tree(s) on an exempt lot, the new owner must apply for a tree permit and shall be required to replace any protected tree(s) that were removed. If, However, a change of ownership occurs on a lot for which an extension of exempt lot status for non-occupancy during construction has been issued within the eighteen months prior to the change in ownership, the person issued such extension shall apply for a tree permit and shall be required to replace any protected tree(s) that were removed.

(d) *Extension of exempted lot status:* If at any point during the eighteen consecutive months following the removal of any protected tree(s) the property is no longer an occupied lot, the current owner of the lot must apply for a tree permit. If the non-occupancy is due to legally permitted construction, the tree warden may grant an extension of exempt lot status for the duration of the construction, provided:

- (1) The owner intends to own the lot for eighteen consecutive months from the date a certificate of occupancy is issued for the construction for which the extension was issued; and
- (2) The property remains an occupied lot for eighteen consecutive months from the date a certificate of occupancy is issued for the construction for which the extension was issued.
- (3) Upon request of an applicant for exempt lot status extension, the tree warden may also waive the requirement that the lot be continuously owned by the same owner for ninety (90) days prior to protected tree removal provided the owner intends to own the lot for twenty-one months from the date a certificate of occupancy is issued for the construction for which the extension is granted..
- (4) If at any time during the applicable eighteen or twenty-one month period the lot ownership changes or the lot is not occupied, the tree warden shall revoke the tree permit and exempt lot status extension. The person issued the extension shall file a new tree permit application and shall replace any protected trees that were removed.
- (5) Any person issued an extension of exempt lot status must report to the tree warden any change of ownership and any change of occupancy status within fifteen (15) days of the change if that change takes place during the applicable eighteen (18) month or twenty-one (21) month period following the date the certificate of occupancy issued.

Sec. 21-83. Permit application.

(a) *Contents, fee:* An application for a tree permit shall be submitted to the tree warden. The application for a tree permit shall be accompanied by a fee in the amount of one hundred fifty dollars (\$150.00) and shall include, but not be limited to, the following:

- (1) The shape and dimensions of the parcel of real property to be developed, together with the existing and proposed locations of structures and improvements, if any;
- (2) A tree plan showing the location, type and size of each protected tree indicating which protected tree(s) are to be removed, and the location, type and size of replacement trees;
- (3) The proposed relocation of any existing protected tree with a statement prepared by a certified arborist explaining how each such protected tree is to be relocated and maintained;
- (4) The location of existing and proposed underground or overhead utility services, existing and proposed roadways, bikeways, walkways and parking areas;
- (5) Any proposed grade changes which might adversely affect or endanger any protected tree with a statement prepared by a certified arborist explaining how each such protected tree shall be protected and maintained;
- (6) The proposed method of protecting the remaining protected trees during the course of the construction.

(b) *Review of permit applications:* The tree warden shall review applications for tree permits in accordance with the provisions of this article. The tree warden shall date stamp or otherwise record the date of filing of each application for a tree permit. The tree warden shall complete the review of each tree permit application no later than ten (10) business days after the submission of a completed application to the tree warden and shall report to the commissioner of inspectional services within ten (10) business days of a request with respect to any tree

permit application submitted in connection with a building permit as to whether said tree permit has been granted or denied. If no such report is received by the commissioner within the above-stated time period, he shall accept an application for a building permit without receipt of such report.

(c) *Standards for grant or denial:* No tree permit shall be issued unless one of the following conditions exists:

- (1) The protected tree will be relocated or replaced on site.
- (2) The protected tree will be replaced by payment in lieu of planting replacement trees as outlined in section 21-86.
- (3) The protected tree is interfering with existing structures, utilities, streets, sidewalks or other existing improvements
- (4) The protected tree is dead, diseased, injured, in danger of falling, dangerously close to existing structures, is causing disruption of public utility service, is causing drainage or passage problems upon rights-of-way, or poses a threat to pedestrian or vehicular safety.
- (5) The removal of the protected tree is necessary and desirable in order to enhance or benefit the health or condition of other trees on the same site as certified to the tree warden by a certified arborist.
- (6) No protected tree(s) are to be removed from the site and appropriate tree protection measures will be in place where necessary as determined by the tree warden.

(d) *Conditions:* Upon the issuance of a tree permit, the tree warden may prescribe in writing such protective measures for existing protected trees as he deems necessary. Before site disturbance may begin, the tree warden may make a determination that the prescribed protective measures have been adequately provided.

(e) *Construction:* Except as provided in a tree permit, construction activities under the drip line of a protected tree are prohibited. Activities include, but are not limited to, trenching or grading, storage of materials or equipment, passage of heavy equipment within the drip line and spillage of chemicals or other materials, which are damaging to trees.

(f) *Suspension or revocation:* A tree permit may be suspended or revoked at any time by the tree warden upon written notice to the permit holder that the permit holder has failed to comply with either this article or the conditions of the permit. The written notice shall be sent by certified or registered mail, return receipt requested, or by hand delivery and shall provide an opportunity for the permit holder to correct the noncompliance and apply for a renewal of the tree permit upon compliance, where practicable. The suspension or revocation of a tree permit in accordance with this subsection shall not affect the validity of a building permit issued in reliance upon the issuance (granting) of such tree permit nor shall such suspension or revocation be cause for withholding the issuance of a certificate of occupancy.

(g) *Appeal:* Any person aggrieved by a decision of the tree warden may file an appeal with the mayor or his designee. Said appeal must be in writing and must be received by the mayor or his designee within five (5) business days of issuance of the tree warden's decision. Upon receipt of such appeal, the mayor or his designee shall provide a copy to the clerk of the board of aldermen and to each alderman for the ward in which the trees are located. The mayor or his designee shall make a final decision on the matter within thirty (30) days from the date of receipt of the appeal. The mayor or his designee shall include in the decision the rationale therefor. Upon issuance of the final decision, the mayor or his designee shall provide a copy to the clerk of the board of aldermen and to each ward alderman for the ward in which the trees are located. There shall be no further appeal of the

matter decided by the mayor or his designee. No protected trees shall be removed while an appeal is pending. (Ord. No. V-275, 12-6-99; Ord. No. X-202, 04-03-06; Rev. Ord. 2007, § 20-33)

Sec. 21-84. Activities not requiring a permit.

(a) *Pruning*: A permit is not required for the pruning of protected trees. However, in order to prevent excessive pruning and topping of trees and to prevent pruning that will be hazardous to the health and natural appearance of the tree, compliance with approved pruning standards is required, and failure to meet these standards is a violation of this article. The tree warden shall maintain on file at all times a copy of the current edition the Tree Manual and shall make copies of the Tree Manual available for the cost of reproduction upon request.

(b) *Emergencies*: If any protected tree shall be determined to be in a hazardous condition so as to immediately endanger the public health, safety or welfare or cause an immediate disruption of public services and require immediate removal without delay, oral authorization may be given by the tree warden to remove such tree, utilizing such professional criteria and technical assistance as he deems necessary, and the protected tree may be removed without obtaining a written permit as otherwise required by this article. The tree warden shall memorialize in writing each such oral authorization to remove a tree and keep a record of the same.

(c) *Waiver*: The requirements of this article may be waived by the tree warden during the period of an emergency such as a tornado, windstorm, flood or other act of God. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-34)

Sec. 21-85. Tree replacement.

(a) *Required*: A protected tree shall be replaced in the manner provided in subsection (b) hereof in each instance in which a protected tree was removed from land subject to the provisions of section 21-82 without a tree permit.

(b) *Standards*: A person who has removed a protected tree and is required to replace such tree pursuant to subsection (a) hereof or as a condition of granting a tree permit in accordance with section 21-83, shall replace such tree within eighteen (18) months, or prior to transfer of property ownership whichever comes first from the date the tree permit is issued and in accordance with the following standards:

- (1) A replacement tree shall be of the same or similar species or such other species as deemed advisable by the tree warden in accordance with the Tree Manual and shall have the same or equivalent size as measured in DBH inches as that of the protected tree that has been removed.
- (2) In the event that a tree of the same or equivalent size as measured in DBH inches cannot be planted, then multiple smaller replacement trees may be planted provided that, wherever practicable, as determined by the tree warden, the total DBH of the replacement trees shall, when added together, equal the total DBH of the protected tree that has been removed. The tree warden may specify that replacement trees be of a minimum caliper when consistent with current accepted practice as stated in the Tree Manual.
- (3) A replacement tree shall be required to survive for a minimum of one eighteen (18) months from the date it is planted. The person planting the tree shall provide documentation as to the date of planting and file the same with the tree warden within fifteen (15) days of the planting of said replacement tree.
- (4) A replacement tree shall be planted on the same lot from which the tree was removed.. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-35)

Sec. 21-86. Tree replacement fund.

(a) *Established*: There is hereby established a tree replacement fund which shall be held in a separate identifiable account and administered in accordance with applicable provisions of the General Laws. Any payments into the tree replacement fund required by this article shall be deposited in the tree replacement fund and shall be used in accordance with subsection (c) hereof.

(b) *Payment in lieu of planting replacement tree(s)*: In lieu of planting a replacement tree as provided in section 21-85, a person who has been granted a tree permit may make a contribution to a tree replacement fund in an amount equal to the cost to replace the tree in accordance with the provisions of section 21-85, which cost shall be determined by the tree warden based on the City's current cost to purchase and install trees.

(c) *Maintenance of tree replacement fund*: The tree replacement fund shall be maintained in a separate account in accordance with state law. All sums deposited into such fund shall be used solely for the purpose of buying, planting and maintaining trees in the city. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-36)

Sec. 21-87 Rule and regulations. The tree warden is authorized to promulgate reasonable rules and regulations to implement administration of sections 21-80 through 21-90.

Sec. 21-88. Enforcement.

(a) *Notice of violation*: Any person who violates any of the provisions of this article shall be notified by the tree warden of the specific violation by certified mail, return receipt requested, or by hand delivery. The notice shall set forth the nature of the violation and a reasonable time period within which compliance must be had. The tree warden shall send notice of violation of section 21-86), which notice shall include the date by which trees were to be replaced or payment was to be made for purposes of computing the "per day" violation fine, as provided in section 21-89.

(b) *Stop work order*:

- (1) Upon notice from the tree warden that work on any protected tree, or lot on which a protected tree is located, is being performed contrary to the provisions of this article, such work shall be immediately stopped. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work; and shall state the conditions under which work will be permitted to resume.
- (2) The tree warden is also authorized to request the agency which has granted an exterior work permit to order, to the extent permissible by law, that the owner cease any activity pursuant to the exterior work permit that might affect such protected tree while a stop work order is pending.
- (3) Any person who shall continue any work in or about the protected tree or lot on which a protected tree is located after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not more than three hundred dollars (\$300.00) for each such violation. Each day during which a violation exists shall constitute a separate offense.

(c) *Injunctive relief*:

- (1) Whenever there exists reasonable cause to believe that a person is violating this article or any standards adopted pursuant to this article or any term, condition or provision of an approved tree permit, the city may, either before or after the institution of any other action or proceeding authorized by this article, institute a civil action in the name of the city for a mandatory or prohibitory injunction and an order of

abatement demanding the defendant to correct the unlawful condition upon or cease the unlawful use of the property.

- (2) Upon determination of a court that an alleged violation is occurring, it shall enter such order or judgment as is necessary to abate the violation. The institution of an action for injunctive relief under this subsection shall not relieve any party to such proceedings from any civil penalty prescribed for violation of this article. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-37)

Sec. 21-89. Penalties.

(a) *Removal without a permit:* Each instance in which a protected tree is removed without a permit shall constitute a violation of this article which shall be subject to a fine in the amount of three hundred dollars (\$300.00).

(b) *Failure to replace trees or make payment:* Each failure to replace a tree or make a payment into the tree replacement fund shall constitute a separate violation of this article which shall be subject to a fine in the amount of three hundred dollars (\$300.00). Each day such violation continues shall constitute a separate offense.

(c) *Failure to comply with a condition contained in a tree permit or stop work order:* Each instance where there is a failure to comply with a condition contained in a tree permit or stop work order shall constitute a violation of this article which shall be subject to a fine in the amount of three hundred dollars (\$300.00). Each day such violation continues shall constitute a separate offense.

(d) *City trees:* Nothing herein shall be construed to require the city to make a payment into the tree replacement fund for any tree(s) which it removes. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-38)

Sec. 21-90. Severability, effect on other laws.

(a) *Severability:* The provisions of this article are severable. If any section, provision, or portion of this article is determined to be invalid by a court of competent jurisdiction, then the remaining provisions of this article shall continue to be valid.

(b) *Conflict of laws:* This article shall not apply to any public shade tree as that term is defined by the General Laws, Chapter 87 or any amendments thereto. Nothing herein is intended to conflict with the General Laws, Chapter 87 and to the extent that any provision hereof conflicts with said Chapter 87, such provision shall not be valid. Nothing herein is intended to conflict with existing special permit procedures as provided in section 30-24 and to the extent that any provision hereof conflicts with said special permit procedures, such provision shall not be valid. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-39)

DIVISION 3. TREE PRESERVATION

Sec. 21-80 Findings, intent, and purpose.

The board of aldermen has determined that many valuable trees are being lost without replacement incident to demolition of existing buildings in order to construct new buildings and lot clearing in connection with the construction of new buildings on previously undeveloped land. The Board has further determined that trees have been lost, severely damaged or disfigured through excessive or improper pruning or other than natural causes. The result is a net loss of the tree population in the city. The board has further determined that the city has insufficient legal vehicles to assure that such development adequately preserves, protects and provides for replacement of trees.

Therefore, the board of aldermen deems it necessary and desirable in the interest of public health, safety and welfare to enact an ordinance for the preservation and replacement of trees while allowing for reasonable improvement of land within the city. It is the public policy of the city to add to the tree population within the city, where possible, and to maintain, to the greatest extent possible, existing trees within the city while allowing for reasonable development of land within the city. The planting of additional trees and the preservation of existing trees in the city is intended to accomplish, where possible, the following objectives:

- (a) To preserve trees as an important public resource enhancing the quality of life and the general welfare of the city and enhancing its unique character and physical, historical, and aesthetic environment;
- (b) To preserve the essential character of those areas throughout the city which are heavily wooded and in a more natural state;
- (c) To enhance and preserve the air quality of the city through the filtering effect of trees on air pollutants;
- (d) To reduce noise within the city through the baffle and barrier effect of trees on the spread of noise;
- (e) To reduce topsoil erosion through the soil retention effect of tree roots;
- (f) To reduce energy consumption through the wind break and shade effects of trees when they are properly placed;
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Diameter breast height (DBH): The diameter of the trunk of a tree 4½ feet above the existing grade at the base of the tree.

Drip line: A vertical line running through the outermost portion of the crown of a tree and extending to the ground.

~~*Exempt lot:* A lot which meets either of the following criteria at the time that the tree removal permit application is filed or an exterior work permit is sought or at the time that trees are being removed:~~

~~(a) the lot is occupied and used primarily as a dwelling for up to four (4) families; or~~

~~(b) the lot is vacant and is adjacent to a lot used solely as an owner occupied dwelling for up to four (4) families and owned by the same person and the owner of such vacant lot wishes to remove trees from such vacant lot in order to construct a dwelling for up to four (4) families which said owner will occupy.~~

Exempt lot: A lot which meets all of the following criteria:

1. The lot is occupied and used primarily as a dwelling for up to four families at the time any protected tree(s) are removed.

2. The lot owner at the time of protected tree removal has owned the lot continuously for a minimum of ninety (90) days prior to the removal of any protected tree(s).

3. The existing structure on the lot must remain occupied as a dwelling with a person or persons living in it for eighteen consecutive months from the date any protected tree(s) are removed.

4. The lot must be owned by the same person for eighteen consecutive months from the date any protected tree(s) are removed.

Exterior work permit: A permit or approval which is required in order to perform work on a vacant lot or to the exterior of a building on a lot, including, but not limited to the following: a building permit; a review of an alteration of contour of land if required pursuant to section 30-5(c)(1)~~a special permit for grade change of more than three (3) feet pursuant to section 30-5(b)(4)~~; curb cut and street opening permits; an order of conditions; certificates of appropriateness, nonapplicability, or hardship; a demolition permit pursuant to section 22-44; site

plan approval pursuant to section 30-23; subdivision approval; a special permit pursuant to section 30-24; a comprehensive permit.

Occupied Lot– A lot containing a legally constructed, permanent structure, used primarily as a dwelling that is currently being legally occupied and lived in and used as a residence by a person or persons. The dwelling must have a functioning, legally permitted, permanent water service, permanent sanitary service, and permanent electrical service.

Person: Any person, firm, partnership, association, corporation, company or organization of any kind including, but not limited to, the person removing a protected tree as well as the owner of the real property from which the tree is removed. The definition of "person" shall not include the City of Newton.

Protected tree: Any tree having a diameter of eight inches (8") DBH or larger or having an aggregate diameter of fifteen inches (15") DBH or larger and which is located on land subject to the provisions of section 20-32.

Pruning standards: Standards for pruning as defined in the City of Newton Tree Management Manual, 1995 and any future amendments or revisions to the same.

Remove (including removing and removal): The cutting down of any protected tree and all other acts which cause the actual removal or the effective removal through damaging, poisoning or other direct or indirect actions resulting in the death of a protected tree, including, but not limited to, excessive or improper pruning.

Tree Manual: The City of Newton Tree Management Manual, 1995, and any future amendments and revisions to the same. (Ord. No. V-275, 12-6-99)

Tree Warden: The commissioner of parks and recreation or his designee. (Rev. Ord. 2007, § 20-31)

~~Editor's note—Ordinance V 275 contained a lengthy and detailed Declaration of legislative findings and intent, which is on file in the records of the Board of Aldermen.~~

Sec. 21-82. Applicability, permit or certificate of exemption required.

(a) *Applicability*: The terms and provisions of this article shall apply to any protected tree located on land within the city not owned by the city, the commonwealth, or any independent authority of the commonwealth, or by the federal government except protected tree(s) located on an exempt lot pursuant to paragraphs (c) and (d) below.

(b) *Permit, certificate of exemption*: No person shall remove a protected tree on a non-exempt lot located on land subject to the provisions of this article, or commence legally permitted exterior work on any lot without first obtaining a tree ~~removal~~ permit or a certificate of exemption from the tree warden. Applications shall be made in writing on forms specified by the tree warden. ~~An owner of an exempt lot shall not be required to apply for a tree removal permit, provided, however, that an owner of an exempt lot who seeks an exterior work permit must certify to the tree warden on forms provided by the tree warden that the owner intends to own such exempt lot for at least twelve consecutive months. There shall be no fee for filing a certificate of exemption.~~ (Ord. No. V 275, 12-6-99; Rev. Ord. 2007, § 20-31)

(c) Exempt lot, certificate of exemption: The owner of an exempt lot shall not be required to apply for a tree permit, provided however, that an owner of an exempt lot who seeks an exterior work permit must certify to the tree warden on form(s) provided by the tree warden, that as of the date on the form(s) the lot qualifies as an

exempt lot and will remain an exempt lot for eighteen months following tree removal. There shall be no fee for filing a certificate of exemption.

(1) The tree warden shall determine whether a property is an occupied lot for the purposes of establishing exempt lot status. The property owner shall, if requested by the tree warden provide proof of ownership as well as a written statement confirming ownership and that a person or persons are living in the property.

(2) If lot ownership changes during the eighteen consecutive months following the removal of any protected tree(s) on an exempt lot, the new owner must apply for a tree permit and shall be required to replace any protected tree(s) that were removed. If, However, a change of ownership occurs on a lot for which an extension of exempt lot status for non-occupancy during construction has been issued within the eighteen months prior to the change in ownership, the person issued such extension shall apply for a tree permit and shall be required to replace any protected tree(s) that were removed.

(d) Extension of exempted lot status: If at any point during the eighteen consecutive months following the removal of any protected tree(s) the property is no longer an occupied lot, the current owner of the lot must apply for a tree permit. If the non-occupancy is due to legally permitted construction, the tree warden may grant an extension of exempt lot status for the duration of the construction, provided:

(1) The owner intends to own the lot for eighteen consecutive months from the date a certificate of occupancy is issued for the construction for which the extension was issued; and

(2) The property remains an occupied lot for eighteen consecutive months from the date a certificate of occupancy is issued for the construction for which the extension was issued.

(3) Upon request of an applicant for exempt lot status extension, the tree warden may also waive the requirement that the lot be continuously owned by the same owner for ninety (90) days prior to protected tree removal provided the owner intends to own the lot for twenty-one months from the date a certificate of occupancy is issued for the construction for which the extension is granted..

(4) If at any time during the applicable eighteen or twenty-one month period the lot ownership changes or the lot is not occupied, the tree warden shall revoke the tree permit and exempt lot status extension. The person issued the extension shall file a new tree permit application and shall replace any protected trees that were removed.

(5) Any person issued an extension of exempt lot status must report to the tree warden any change of ownership and any change of occupancy status within fifteen (15) days of the change if that change takes place during the applicable eighteen (18) month or twenty-one (21) month period following the date the certificate of occupancy issued.

Sec. 21-83. Permit application.

(a) *Contents, fee:* An application for a tree ~~removal~~ permit shall be submitted to the tree warden. The application for a tree ~~removal~~ permit shall be accompanied by a fee in the amount of ~~one hundred fifty~~ fifty dollars (\$~~150.00~~) and shall include, but not be limited to, the following:

- (1) The shape and dimensions of the parcel of real property to be developed, together with the existing and proposed locations of structures and improvements, if any;

- (2) A tree plan showing the location, type and size of each protected tree indicating which protected tree(s) are to be removed, and the location, type and size of replacement trees;
- (3) The proposed relocation of any existing protected tree with a statement prepared by a certified arborist explaining how each such protected tree is to be relocated and maintained;
- (4) The location of existing and proposed underground or overhead utility services, existing and proposed roadways, bikeways, walkways and parking areas;
- (5) Any proposed grade changes which might adversely affect or endanger any protected tree with a statement prepared by a certified arborist explaining how each such protected tree shall be protected and maintained;
- (6) The proposed method of protecting the remaining protected trees during the course of the construction, ~~in accordance with section 20-34, subsection (a).~~

(b) *Review of permit applications:* The tree warden shall review applications for tree ~~removal~~ permits in accordance with the provisions of this article. The tree warden shall date stamp or otherwise record the date of filing of each application for a tree ~~removal~~ permit. The tree warden shall complete the review of each tree ~~removal~~ permit application no later than ten (10) business days after the submission of a completed application to the tree warden and shall report to the commissioner of inspectional services within ten (10) business days of a request with respect to any tree ~~removal~~ permit application submitted in connection with a building permit as to whether said tree ~~removal~~ permit has been granted or denied. If no such report is received by the commissioner within the above-stated time period, he shall accept an application for a building permit without receipt of such report.

(c) *Standards for grant or denial:* No tree ~~removal~~ permit shall be issued unless one of the following conditions exists:

- (1) The protected tree will be relocated or replaced on site.
- ~~(2) The protected tree will be replaced by the off-site planting of tree(s) of the same or equivalent size as measured in DBH inches. In the event that a tree of the same or equivalent size as measured in DBH inches cannot be planted, then multiple smaller replacement trees may be planted provided that, wherever practicable, as determined by the tree warden, the total DBH of the replacement trees shall, when added together, equal the total DBH of the protected tree that has been removed. Off-site plantings shall be made in accordance with written priorities established by the tree warden as stated in the Tree Manual. The tree warden may specify that replacement trees be of a minimum caliper when consistent with current accepted practice as stated in the Tree Manual.~~
- (2) The protected tree will be replaced by payment in lieu of planting replacement trees as outlined in section 21-86.
- (3) The protected tree is interfering with existing structures, utilities, streets, sidewalks or other existing improvements ~~and the relocation of the protected tree is not feasible as certified to the tree warden by a certified arborist.~~
- (4) The protected tree is dead, diseased, injured, in danger of falling, dangerously close to existing structures, is causing disruption of public utility service, is causing drainage or passage problems upon rights-of-way, or poses a threat to pedestrian or vehicular safety.

(5) The removal of the protected tree is necessary and desirable in order to enhance or benefit the health or condition of other trees on the same site as certified to the tree warden by a certified arborist.

(6) No protected tree(s) are to be removed from the site and appropriate tree protection measures will be in place where necessary as determined by the tree warden.

(d) *Conditions:* Upon the issuance of a tree ~~removal~~ permit, the tree warden may prescribe in writing such protective measures for existing protected trees as he deems necessary. Before site disturbance may begin, the tree warden may make a determination that the prescribed protective measures have been adequately provided.

(e) *Construction:* Except as provided in a tree ~~removal~~ permit, construction activities under the drip line of a protected tree are prohibited. Activities include, but are not limited to, trenching or grading, storage of materials or equipment, passage of heavy equipment within the drip line and spillage of chemicals or other materials, which are damaging to trees.

(f) *Suspension or revocation:* A tree ~~removal~~ permit may be suspended or revoked at any time by the tree warden upon written notice to the permit holder that the permit holder has failed to comply with either this article or the conditions of the permit. The written notice shall be sent by certified or registered mail, return receipt requested, or by hand delivery and shall provide an opportunity for the permit holder to correct the noncompliance and apply for a renewal of the tree ~~removal~~ permit upon compliance, where practicable. The suspension or revocation of a tree ~~removal~~ permit in accordance with this subsection shall not affect the validity of a building permit issued in reliance upon the issuance (granting) of such tree ~~removal~~ permit nor shall such suspension or revocation be cause for withholding the issuance of a certificate of occupancy.

(g) *Appeal:* Any person aggrieved by a decision of the tree warden may file an appeal with the mayor or his designee. Said appeal must be in writing and must be received by the mayor or his designee within five (5) business days of issuance of the tree warden's decision. Upon receipt of such appeal, the mayor or his designee shall provide a copy to the clerk of the board of aldermen and to each alderman for the ward in which the trees are located. The mayor or his designee shall make a final decision on the matter within thirty (30) days from the date of receipt of the appeal. The mayor or his designee shall include in the decision the rationale therefor. Upon issuance of the final decision, the mayor or his designee shall provide a copy to the clerk of the board of aldermen and to each ward alderman for the ward in which the trees are located. There shall be no further appeal of the matter decided by the mayor or his designee. No protected trees shall be removed while an appeal is pending. (Ord. No. V-275, 12-6-99; Ord. No. X-202, 04-03-06; Rev. Ord. 2007, § 20-33)

Sec. 21-84. Activities not requiring a permit.

(a) *Pruning:* A permit is not required for the pruning of protected trees. However, in order to prevent excessive pruning and topping of trees and to prevent pruning that will be hazardous to the health and natural appearance of the tree, compliance with approved pruning standards is required, and failure to meet these standards is a violation of this article. The tree warden shall maintain on file at all times a copy of the current edition the Tree Manual and shall make copies of the Tree Manual available for the cost of reproduction upon request.

(b) *Emergencies:* If any protected tree shall be determined to be in a hazardous condition so as to immediately endanger the public health, safety or welfare or cause an immediate disruption of public services and require immediate removal without delay, oral authorization may be given by the tree warden to remove such tree, utilizing such professional criteria and technical assistance as he deems necessary, and the protected tree may be removed without obtaining a written permit as otherwise required by this article. The tree warden shall memorialize in writing each such oral authorization to remove a tree and keep a record of the same.

(c) *Waiver*: The requirements of this article may be waived by the tree warden during the period of an emergency such as a tornado, windstorm, flood or other act of God. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-34)

Sec. 21-85. Tree replacement.

(a) *Required*: A protected tree shall be replaced in the manner provided in subsection (b) hereof in each instance in which a protected tree was removed from land subject to the provisions of section ~~20-32-21-82~~ without a tree ~~removal~~ permit.

(b) *Standards*: A person who has removed a protected tree and is required to replace such tree pursuant to subsection (a) hereof or as a condition of granting a tree ~~removal~~ permit in accordance with section ~~21-83~~~~20-33~~, shall replace such tree within ~~eighteen (18) months~~~~one year~~, or prior to transfer of property ownership whichever comes ~~from first from~~ the date ~~the tree permit is issued of removal~~ and in accordance with the following standards:

- (1) A replacement tree shall be of the same or similar species or such other species as deemed advisable by the tree warden in accordance with the Tree Manual and shall have the same or equivalent size as measured in DBH inches as that of the protected tree that has been removed.
- (2) In the event that a tree of the same or equivalent size as measured in DBH inches cannot be planted, then multiple smaller replacement trees may be planted provided that, wherever practicable, as determined by the tree warden, the total DBH of the replacement trees shall, when added together, equal the total DBH of the protected tree that has been removed. The tree warden may specify that replacement trees be of a minimum caliper when consistent with current accepted practice as stated in the Tree Manual.
- (3) A replacement tree shall be required to survive for a minimum of one ~~eighteen (18) months~~~~(1) year~~ from the date it is planted. The person planting the tree shall provide documentation as to the date of planting and file the same with the tree warden within fifteen (15) days of the planting of said replacement tree.
- (4) A replacement tree shall be planted on the same lot from which the tree was removed, ~~or at a location determined by the tree warden in accordance with the priorities stated in the Tree Manual~~. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-35)

Sec. 21-86. Tree replacement fund.

(a) *Established*: There is hereby established a tree replacement fund which shall be held in a separate identifiable account and administered in accordance with applicable provisions of the General Laws. Any payments into the tree replacement fund required by this article shall be deposited in the tree replacement fund and shall be used in accordance with subsection (c) hereof.

(b) *Payment in lieu of planting replacement tree(s)*: In lieu of planting a replacement tree as provided in section ~~21-85~~~~20-35~~, a person who has been granted a tree ~~removal~~ permit may make a contribution to a tree replacement fund in an amount equal to the cost to replace the tree in accordance with the provisions of section ~~21-85~~~~20-35~~, which cost shall be determined by the tree warden ~~based on the City's current cost to purchase and install trees, who shall obtain written estimates from at least two (2) tree companies~~.

(c) *Maintenance of tree replacement fund*: The tree replacement fund shall be maintained in a separate account in accordance with state law. All sums deposited into such fund shall be used solely for the purpose of buying, planting and maintaining trees in the city. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-36)

Sec. 21-87 Rule and regulations. The tree warden is authorized to promulgate reasonable rules and regulations to implement administration of sections 21-80 through 21-90.

Sec. 21-878. Enforcement.

(a) *Notice of violation:* Any person who violates any of the provisions of this article shall be notified by the tree warden of the specific violation by certified ~~or registered~~ mail, return receipt requested, or by hand delivery. The notice shall set forth the nature of the violation and a reasonable time period within which compliance must be had. The tree warden shall send notice of violation of section ~~20-3221-86, subsection (e)~~, which notice shall include the date by which trees were to be replaced or payment was to be made for purposes of computing the "per day" violation fine, as provided in section ~~21-8920-38, subsection (b)~~.

(b) *Stop work order:*

- (1) Upon notice from the tree warden that work on any protected tree, or lot on which a protected tree is located, is being performed contrary to the provisions of this article, such work shall be immediately stopped. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work; and shall state the conditions under which work will be permitted to resume.
- (2) The tree warden is also authorized to request the agency which has granted an exterior work permit to order, to the extent permissible by law, that the owner cease any activity pursuant to the exterior work permit that might affect such protected tree while a stop work order is pending.
- (3) Any person who shall continue any work in or about the protected tree or lot on which a protected tree is located after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not more than three hundred dollars (\$300.00) for each such violation. Each day during which a violation exists shall constitute a separate offense.

(c) *Injunctive relief:*

- (1) Whenever there exists reasonable cause to believe that a person is violating this article or any standards adopted pursuant to this article or any term, condition or provision of an approved tree ~~removal~~ permit, the city may, either before or after the institution of any other action or proceeding authorized by this article, institute a civil action in the name of the city for a mandatory or prohibitory injunction and an order of abatement demanding the defendant to correct the unlawful condition upon or cease the unlawful use of the property.
- (2) Upon determination of a court that an alleged violation is occurring, it shall enter such order or judgment as is necessary to abate the violation. The institution of an action for injunctive relief under this subsection shall not relieve any party to such proceedings from any civil penalty prescribed for violation of this article. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-37)

Sec. 21-889. Penalties.

(a) *Removal without a permit:* Each instance in which a protected tree is removed without a permit shall constitute a violation of this article which shall be subject to a fine in the amount of three hundred dollars (\$300.00).

(b) *Failure to replace trees or make payment*: Each failure to replace a tree or make a payment into the tree replacement fund shall constitute a separate violation of this article which shall be subject to a fine in the amount of three hundred dollars (\$300.00). Each day such violation continues shall constitute a separate offense.

(c) *Failure to comply with a condition contained in a tree permit or stop work order*: Each instance where there is a failure to comply with a condition contained in a tree permit or stop work order shall constitute a violation of this article which shall be subject to a fine in the amount of three hundred dollars (\$300.00). Each day such violation continues shall constitute a separate offense.

(~~d~~e) *City trees*: Nothing herein shall be construed to require the city to make a payment into the tree replacement fund for any tree(s) which it removes. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-38)

Sec. 21-~~9089~~. Severability, effect on other laws.

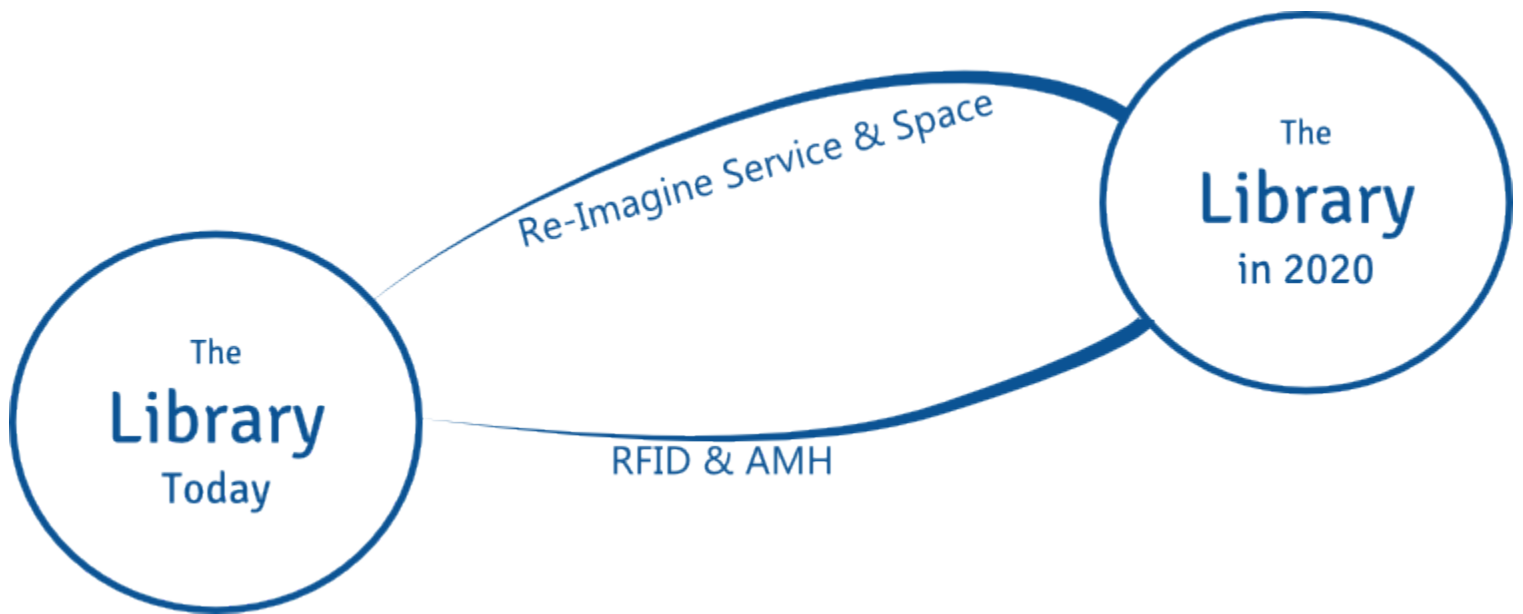
(a) *Severability*: The provisions of this article are severable. If any section, provision, or portion of this article is determined to be invalid by a court of competent jurisdiction, then the remaining provisions of this article shall continue to be valid.

(b) *Conflict of laws*: This article shall not apply to any public shade tree as that term is defined by the General Laws, Chapter 87 or any amendments thereto. Nothing herein is intended to conflict with the General Laws, Chapter 87 and to the extent that any provision hereof conflicts with said Chapter 87, such provision shall not be valid. Nothing herein is intended to conflict with existing special permit procedures as provided in section 30-24 and to the extent that any provision hereof conflicts with said special permit procedures, such provision shall not be valid. (Ord. No. V-275, 12-6-99; Rev. Ord. 2007, § 20-39)



Newton Free Library

The door to your imagination



Presentation to the
Programs & Services Committee
City of Newton
April 30, 2014



Newton Free Library

The door to your imagination

The
Library
in 2020

Re-Imagine Service & Space

The
Library
Today

RFID & AMH

Borrowing

1,677,553
FY 2013

Programs

1,619 held
41,984 attendees
FY 2013



3D Printing & Creative Programs Introduced



Teen Programs Quadruple



400 sq' Story Room
Holds ¾ of Kid Events

Research, Study & Space Use

163,254 Ref. Q.



Programs 4/13 to 3/14	Held	Attendees
Art Receptions	15	632
Classes	96	1269
Clubs	125	868
Concerts	52	5541
Lectures	85	3829
Movies	36	1441
Teen	61	930
Children's	536	14954
School Visits	662	13298
Total	1668	42762



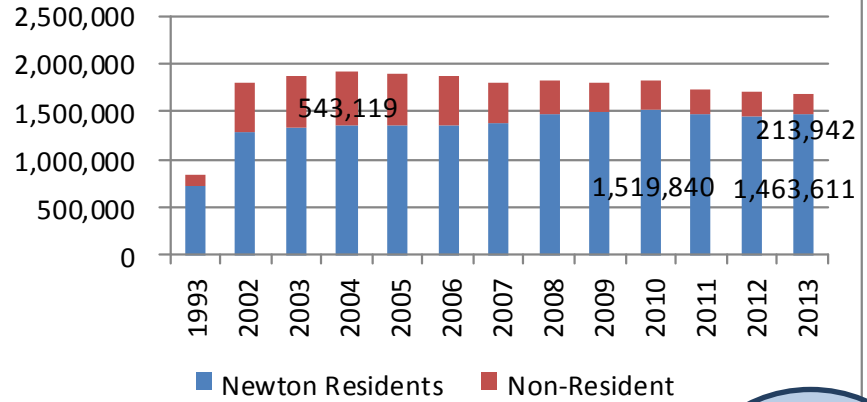
Newton Free Library

The door to your imagination

Borrowing

1,677,553
FY 2013

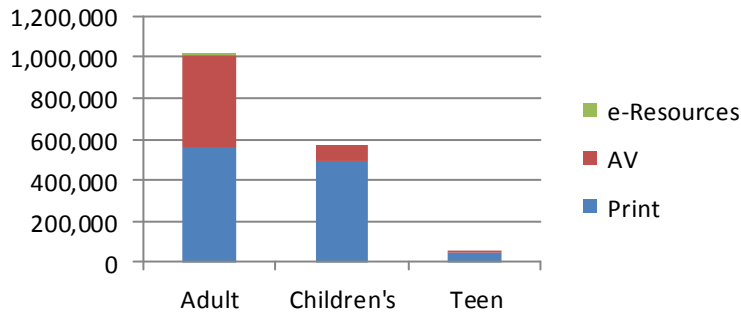
Borrowing Trends



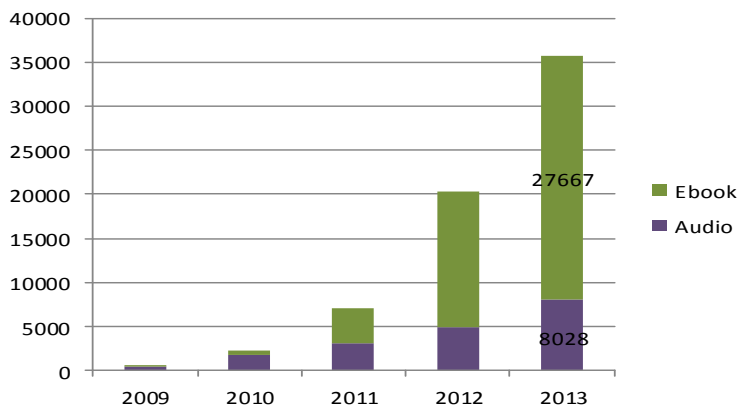
Self-Service

33% / 0%
Out / In

Borrowing by collection, FY2013



E-Books & Downloadable Audio



Streaming Movies, Audiobooks
Music Albums & TV Start May 1st



Newton Free Library

The door to your imagination

Re-Imagine Service & Space

The
Library
in 2020



RFID & AMH

1 The collection is 100% RFID tagged, Self-Checks use RFID reader plates and Checkins are handled by A checkin/sorter unit.

Self-Service
80% / 90%
Out / In

2 The library is fully refurbished and re-organized to best meet patron needs, as in the Arlington Heights Ill. Library pictured below.



3 Study Space is optimized for the way people work, with quiet study space but also “Library Commons” space with a Café.

Northeastern Univ.’s Snell Library Commons



4 Staff are organized and deployed more strongly towards public service and Activity Centers and less towards transaction processing.

Activity Centers Under Consideration

- Ask Desk—All initial Questions at one spot
- Language & Literacy
- Music Center: Recordings with scores with Print
- Business Center
- Research Center
- Youth Services, combining Teen and Children’s
- Call Center: all phone/online inquiries handled directly, not by staff serving in person patrons.
- Creation Center, And more.

5 There is a Story/Crafts room worthy of Newton and Youth Services has a space commensurate with its activity level.

6 E-Resources may account for 5% of library collection activity.

Foxboro Library’s new Story/Crafts room.



Director's Message

In fiscal year 2013 the development of Teen Programming was one of our most notable achievements. We offered four or five teen programs every month compared to one every other month last year. A large part of this success is due to the Friends of the Library who committed \$3,000 of their Membership funds to Teen programming, in addition to what they have regularly done for Children's programming. Our Reference department has also greatly enhanced their offering of workshop classes on a variety of topics from using your iPad to social media to genealogy. Also of note, our Children's department visited 740 classrooms and preschools, nearly 100 more than last year, seeing 15,000 students.

In 2013 we began a close review of the services we are offering, assessing collection performance, study space usage and many other areas of activity. We definitely need to refresh our 22-year old building, much of it with the original 1991 carpeting and finishes. In that process we also want to re-imagine our services and deploy our resources in ways that will meet the needs of Newton Library users over the next two decades.

Phil McNulty, Library Director



Spring Fling Success!

Library Trustees & Administration



Library Trustees Audrey Cooper, Jeff Herrmann, Chair Barbara Lietzke, Treasurer Rob Klivans and Dana Hanson are flanked by Assistant Director Ryan Hanson and Library Director Phil McNulty.



Main 617-796-1360
Reference 617-796-1380
Children's 617-796-1370



E-mail Us:
newtonreference@minlib.net



Visit Us:
330 Homer Street
Newton, MA 02459



Text Us: 66746
Start your question with
"newlib"



Follow Us:
@NewtonFreeLib



Like Us: NewtonFreeLibrary



Hours

Monday-Thursday 9 am-9 pm
Friday 9 am-6 pm
Saturday 9 am-5 pm
Sunday* 1 pm-5 pm

* Closed in July and August



www.newtonfreelibrary.net

January 2014

ANNUAL REPORT

2013

Atrium features New Books



Some of the 40,899
new items added in
FY2013

eBook use doubles!



Teen Librarian Liz Rowland leads a
Teen Crafternoon program

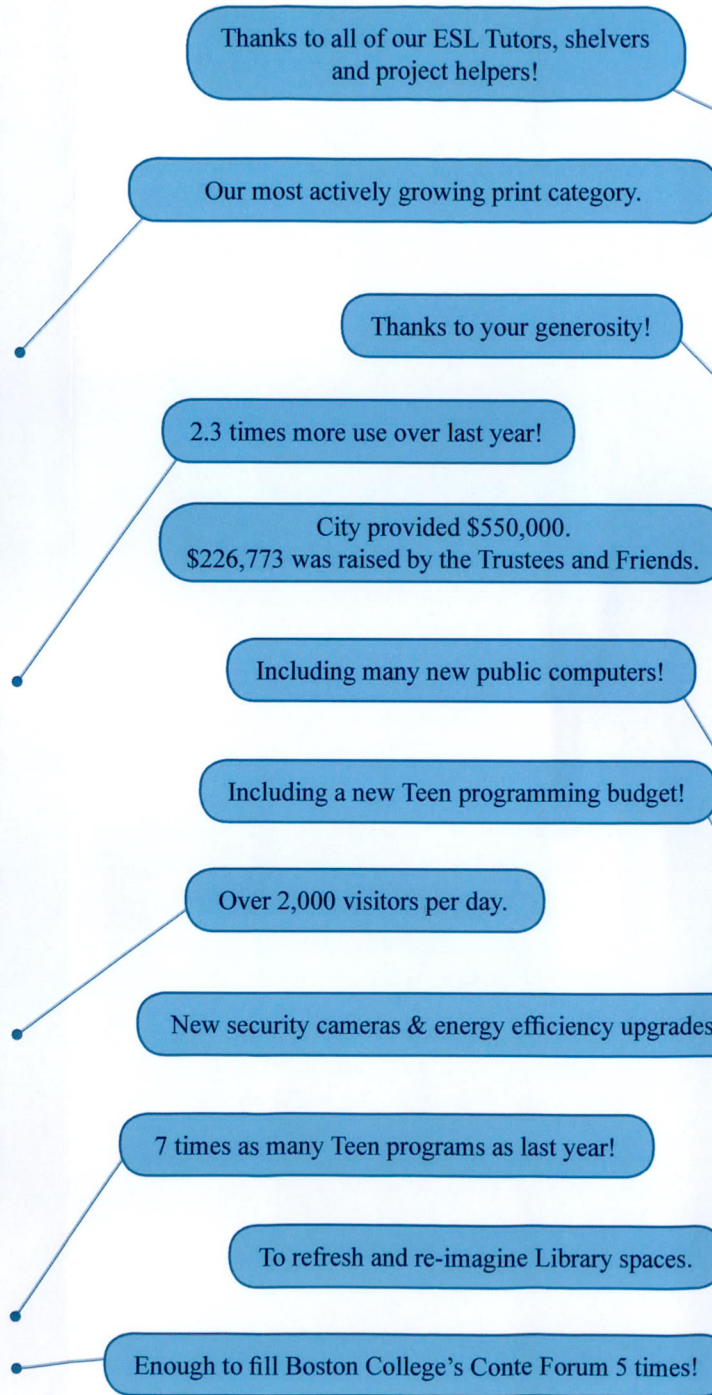


Newton Free Library

Library Activity

The Collection	Owned	Borrowed
All Items	591,423	1,677,553
Non-Fiction & Reference	264,988	344,196
Fiction	116,569	200,560
Audio	32,284	151,563
Video	22,115	287,689
Print Magazines	2,717	15,955
Children's Early Reader	29,372	222,112
Children's Fiction	23,920	122,735
Children's Non-Fiction	54,633	142,233
Children's Audio	2,731	17,988
Children's Video	3,860	66,427
Children's Magazines	236	1,650
Teen Books	12,337	40,226
Teen Audio	339	1,617
Teen Magazines	73	31
eBooks	15,292	22,248
Downloadable Audio Books	5,142	5,762
Games & Electronic Media	319	4,830
Other	461	7,250
Interlibrary Loan Received		159,855
Interlibrary Loan Provided		165,994
Library Card Holders		49,285
Visitors		714,636
Reference Questions		163,254
Programs	Held	Attendance
Adult Library Events	314	11,379
Children's Library Events	508	14,623
Children's Outreach Visits	740	14,880
Teen Programs	57	1,102
Total:	1,619	41,984

Fiscal Year 2013 Highlights



Library Resources

Our Staff	People	Hours
Librarians	49	67,691
Library Assistants	46	52,156
Pages	37	17,550
Volunteers	606	26,883
Income		
Municipal Appropriation		5,109,961
Revolving Funds		4,739
State Aid		85,911
Lost Books		18,596
Donations		200,218
Friends of the Library		76,007
Trustee Fund Disbursements		25,036
		5,520,468
Expenditures		
Salaries		3,330,416
Benefits		623,466
Collection Materials		776,773
Utilities		271,124
Minuteman Membership		103,499
Other Information Technology		57,029
Development Costs		70,826
Program Costs		12,129
Other Expenses		98,853
Facility Projects		66,436
Grant Projects		5,755
		5,416,306
Balance		104,162
Returned to Free Cash		37,181
Available Grant Balances		66,980



City of Newton, Massachusetts
Office of the Mayor

SETTI D. WARREN
MAYOR

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(617) 796-1100

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(617) 796-1113

TDD
(617) 796-1089

E-mail
swarren@newtonma.gov

April 14, 2014

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

Re: Updated FY15-FY19 Capital Improvement Plan (CIP)

Ladies and Gentlemen:

I submit for your approval, the FY15-19 CIP as updated. In October 2013, the CIP was submitted for your review and public hearing. Since that time, we have posted the document on the website, discussed the various projects with the public and the Honorable Board, and made adjustments based on additional information. In time to vote the FY15 budget, I am providing this updated version so that you have the most current priorities of our buildings, roads, parks, and motorized equipment.

Enclosure A provides the summary of the nine projects reviewed by the CIP Steering Committee and either added or altered in the FY15-19 CIP. Additionally, a completely updated CIP is provided illustrating the relative priorities to all projects. For your convenience, the most up-to-date version of the CIP is posted on our City's website under the Building Department's "Capital Improvement Plan", sorted by priority, funding source, and asset type.

Thank you for your consideration of this important matter.

Sincerely,

Setti D. Warren
Mayor

Encl.

Cc: Dori Zaleznik, Chief Administrative Officer
Maureen Lemieux, Chief Financial Officer

RECEIVED
Newton City Clerk
2014 APR 14 PM 5:44
David A. Olson, CMC
Newton, MA 02459

Changes to FY15-FY19 CIP

#403-13 April 14, 2014

<u>Project</u>	<u>Department</u>	<u>Description</u>	<u>Est Cost (FY15)</u>	<u>Priority</u>
Lighting on City Hall Grounds (NEW)	Parks and Recreation	Install pedestal lighting on the outer perimeter circle drives both at the front of the Hall and the War Memorial for safety/security.	\$150,000	5
Improvements to City Hall War Memorial	Buildings	Heating, Cooling, Electrical and Plumbing to enhance the public use of the facility year round	\$150,000	6
Energy Reduction Measures in City Buildings	Buildings	Energy modifications in lighting, heating systems, and building envelope to conserve energy and provide for improved comfort level of occupants.	\$5,000,000	7
Heavy Construction Trucks	DPW	Change in 2 vehicle types and cost (+\$30,000)	\$340,000	20
Manet Road Reservoir Acquisition	Parks and Recreation	State surplus of the reservoir and passage of Home Rule to allow the City first right of refusal for acquisition. Intention is to create a community park and open space resource	\$800,000	24
10 Wheel Construction Truck	DPW/Sewer	Change in vehicle type and cost (-\$60,000)	\$180,000	25
Solar Panel Installation on City Hall (NEW)	Buildings	Provide clean energy for approximately half of the demand for electricity consumed at City Hall (48kW).	\$220,000	29
Cyrstal Lake Community Center	Parks and Recreation	Replacement of the 1950 bath house with a year round facility for community events and meetings.	\$8,000,000	138
Farlow and Cafflin Parks Historic Landscape Preservation Plan	Parks and Recreation	Change in priority due to savings in irrigation	\$640,000	205

FY2016-2020 CIP by Priority

ESCALATED COSTS

(Costs in FY2016-2019 are escalated 3.5% a year)

Priority	Dept	Project Title	Project Description / Justification	Est. Cost in FY2015	Risk Factor	Funding Source	Priority Year Funding	3.5% Cost Escalation Factor Used					#VALUE!	
								FY2015	FY2016	FY2017	FY2018	FY2019		
1	Schools	Angler School Replacement	S114 relocated from MSBA. Renovate/replace 32 yr old school due to poor condition, aging bldg systems and inadequate space per State Ed standards.	\$ 37,500,000		Bonding /MSBA	\$ 2,500,000	\$ 19,500,000	\$ 15,500,000	\$ 16,042,500	\$ 19,500,000	\$ 16,042,500		
2	Fire Dept	Fire Station #3 & HQ - Renovate/Rebuild Newton Centre Station	Station #3 needs major repairs/upgrades. Co-located w/ Fire HQ. Upgrade systems for code compliance, access & female firefighters.	\$ 15,386,000	5.1	Bonding	\$ 500,000	\$ 2,000,000	\$ 7,500,000	\$ 5,386,000	\$ 2,000,000	\$ 7,762,500	\$ 5,769,618	
3	Fire Dept	Fire Station #10 & Wins Dr (Dedham St) - rebuild w/added training facility for confined space	Project addresses aging building systems, code upgrades, access and accommodations for female firefighters. Wins Division merged @ \$2.1M. Confined space training added.	\$ 6,372,000	5.0	Bonding	\$ 1,000,000	\$ 5,372,000			\$ 5,372,000			
4	Schools	Chabot School Renovation	FY14 feasibility study. Project will address aging systems, access, sprinklers, and space needs. include cost to move to Carr and back to Cabot. \$7.5M anticipated from MSBA.	\$ 45,000,000	5.0	Bonding /MSBA	\$ 1,000,000	\$ 2,500,000	\$ 25,000,000	\$ 16,500,000	\$ 1,000,000	\$ 2,587,500	\$ 26,780,625	\$ 18,293,845
5	Parks/Rec	Pedestal Perimeter Lighting at City Hall	Perimeter lighting is deficient at both the front and rear circular drives where residents and employees exit during hours of darkness.	\$ 150,000	4.6	Bonding		\$ 150,000			\$ 150,000			
6	Public Buildings	War Memorial Improvements	Improve heating, cooling and plumbing of the War Memorial for use year round for public events.	\$ 150,000	4.2	Bonding		\$ 150,000			\$ 150,000			
7	Public Buildings	Energy Efficiency Upgrades to City/School Buildings	Project includes energy conservation measures at Library, Franklin, Underwood, Cabot Schools thru INSTAR preferred vendor program.	\$ 5,500,000	4.1	Energy Stabilizer Fund	\$ 500,000	\$ 5,000,000			\$ 5,000,000			
8	Schools	Zevens School - Renovation/ Replacement	FY14 feasibility study. Project to address space needs, due to growing enrollment, bldg systems, access. Include cost to move to Carr and back to Zevens	\$ 40,000,000	4.6	Bonding /MSBA	\$ 1,000,000	\$ 5,000,000	\$ 25,000,000	\$ 9,000,000	\$ 5,000,000	\$ 25,875,000	\$ 9,641,025	
9	DPW/ Sewer	Sewer Inflow/Infiltration Project - Lower Falls Area	Part of 12 yr \$48.1 M program to remove excess inflow and infiltration into sewer system. Design (FY14) and construct (FY15) for Lower Falls area.	\$ 3,861,585	4.4	Enterprise Funds	\$ 523,710	\$ 3,337,875			\$ 3,337,875			
10	DPW/ Water	Replace Water Pipes to Improve Fire Flows	Year three of 3 year program to replace and repair water pipes in order to meet ISO fire flow standards which are currently deficient.	\$ 4,356,315	4.3	Enterprise Funds		\$ 4,356,315			\$ 4,356,315			
11	Library	Newton Free Library - Mechanical Upgrades	Interior air handler replacement, pneumatic DDC controls conversion, replace chiller controls, repair/replace ice tank system.	\$ 1,100,000	4.2	Bonding		\$ 500,000	\$ 300,000	\$ 300,000	\$ 500,000	\$ 310,500	\$ 321,368	
12	Police	Police Headquarters - Mechanical Upgrades	Replace roof top Mechanical equipment that is beyond its useful life. Currently requires a lot of maintenance and service calls.	\$ 300,000	4.0	Bonding		\$ 300,000			\$ 300,000			
13	DPW	Street Sweeping - Cold Stone and Pave 20 Streets	Roads include Lowell, Melrose, Staniford, Freeman, Lake, Crystal, Beverly, Oak Grove, Central, Bridge, Temple, Walnut, Underwood, Walnut Pt, Newtonville, Dand, Ridge.	\$ 3,032,150	4.7	Chap 90/Alt Funds		\$ 3,032,150			\$ 3,032,150			
14	DPW/ Sewer	Sewer Inflow/Infiltration Project - Chestnut Hill Area	Part of 12 yr \$48.1 M program to remove excess inflow and infiltration into sewer system. Design (FY15) and construct (FY16) for Chestnut Hill area.	\$ 6,510,150	4.7	Enterprise Funds		\$ 1,257,525	\$ 5,252,625		\$ 1,257,525	\$ 5,496,467		
15	Schools	Horseshoe School - Electrical/ Emergency Generator	Replace emergency generator with smaller unit and install battery back-up emergency egress lighting system. Upgrade egress canopy panels.	\$ 150,000	4.7	Bonding		\$ 150,000			\$ 150,000			
16	DPW/ Water	Water/Utilities Department - Mechanical Upgrades	Install CO/NOx detection system for garage so that the detection of gas energizes the existing exhaust fans. Install backdraft damper on fan.	\$ 77,650	4.7	Enterprise Funds		\$ 77,650			\$ 77,650			
17	Fire Dept	Fire Station #1, Newton Corner - Replace Emergency Generator	Replace emergency electrical generator (EMW, 2007/2009, 3-phase, 4-pole) and transfer switch which are at the end of their useful lives.	\$ 127,500	4.6	Bonding		\$ 127,500			\$ 127,500			
18	DPW/ Water	Replace Water-Sewer Construction Truck	Replacement of 2002 city vehicle used for construction work on City water mains and sewer main relining projects. - 16 year old vehicle is 15 yr (R21).	\$ 135,000	4.6	Enterprise Funds		\$ 135,000			\$ 135,000			
19	DPW/ Storm	Chesapeake Brook Drainage Basin Repair and Rebuild Retaining Wall	Wall integrity is jeopardized. Project to minimize property damage and prevent erosion. Phase 1 is survey, compromised concrete removed from lower wall.	\$ 300,000	4.6	Enterprise Funds	\$ 25,000	\$ 100,000	\$ 175,000		\$ 100,000	\$ 181,125		
20	DPW	DPW - Replace Large Construction Truck	Replace 2 vehicle (tract of Ferret) Vehicle #73 and #84. Unlikely with weight. Required for snow and for construction work.	\$ 340,000	4.6	Bonding		\$ 340,000			\$ 340,000			
21	Parks/Rec	Newton Centre Playground - last phase of 6 phase accessibility project	ADA ADA compliant access to a portion of Newton Centre Playground. Approved for CDBG funding by City Commission on Disability.	\$ 90,000	4.6	CDBG Eligible	\$ 45,000	\$ 45,000			\$ 45,000			
22	Public Buildings	City Hall - Plumbing and Accessibility Improvements	Upgrade toilet room for improved accessibility as required by code.	\$ 105,000	4.5	Bonding		\$ 105,000			\$ 105,000			
23	DPW	Sidewalk Improvements	Improve pedestrian safety. Repair/replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads.	\$ 150,000	4.5	Chap 90/Alt Funds		\$ 150,000			\$ 150,000			
24	Parks/Rec	Purchase Market Road MWRA Reservoir	Five acre parcel located at Market Road has been purchased by the MWRA in January 2013. State legislation filed to allow purchase. Interest by the community to retain open space.	\$ 850,000	4.3	CYA Eligible	\$ 30,000	\$ 820,000			\$ 820,000			
25	DPW/ Sewer	Replace Large Construction Truck	Replacement of vehicle/equipment used to clear out blockages in the sewer system to prevent sewer backups. (R49).	\$ 240,000	4.3	Enterprise Funds		\$ 240,000			\$ 240,000			
26	DPW	Traffic Light Improvements on Washington St intersections (W Newton)	Upgrade traffic signals on Washington St at Walburn/Waterston/Chesnut/Cherry/Highland intersections to improve safety, visibility.	\$ 138,000	4.3	Chap 90/Alt Funds		\$ 138,000			\$ 138,000			
27	DPW/ Storm	Repair Hammered St Drain	Storm drain pipe has partially collapsed and requires repair to prevent flooding.	\$ 210,000	4.3	Enterprise Funds		\$ 210,000			\$ 210,000			
28	DPW/ Water	Water Pump - Repair pump in concert with Fire Station 30 project on Dedham St	Replace 60 hp pump in Fire Station #10; boosts water pressure in high area of City. Pump: 80 Out Int: 1 Tank. Coord w/construct.	\$ 100,000	4.3	Enterprise Funds		\$ 100,000			\$ 100,000			

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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2016	FY2017	FY2018	FY2019	FY2020
29	Public Buildings	Solar Collection on City Hall	Electricity generation from solar panels installed on the south facing roof of City Hall. Anticipated about 60kW system to about 50% of the building load.	\$ 220,000	43.6	Bonding		\$ 220,000				
30	DPW	Street Parking - Cold Phase and Phase 21 Streets	Streets include Vernon, Elmridge, Elmwood, Beacon, Pembroke, Dorsett, Hudson, Bedfordgate, Hammondwood, Monmouth, Chit, Adams, Circuit.	\$ 3,200,000	43.6	Chapt 90/Alt Funds	\$ 3,200,000		\$ 3,312,000			
31	DPW	Handicap curb cut access to sidewalks	Provide appropriate curb cuts to comply with Federal ADA provisions to provide safe, accessible means to and from City sidewalks.	\$ 65,000	43.5	CBDC Eligible		\$ 65,000				
32	Fire Dept	Replace Fire Dept Pumper Truck in Newton Corner (Engine 3)	Replace 1999 Pumper Truck, exceeding NFPA 15-yr life expectancy, will replace a 1994 spare engine.	\$ 650,000	43.4	Bonding		\$ 650,000		\$ 672,750		
33	DPW/Water	Clean and line of water pipes to improve water quality	Cleaning and lining of water pipes to improve water quality, increase pipe integrity and capacity. Precedes scheduled roadway paving.	\$ 4,321,500	43.1	Enterprise Funds		\$ 4,321,500		\$ 4,472,753		
34	Schools	Ed Center - Electrical Upgrades	Upgrade electric service, panels and sub-panels to support IT server room and other building functions.	\$ 242,000	44.6	Bonding		\$ 242,000		\$ 250,470		
35	DPW/Sewer	Sewer Inflow/Infiltration Project - Newton Centre	Part of 12.7 MGD program to remove excess inflow and infiltration into sewer system. Design (F148) and construct (F112) for Newton Centre areas.	\$ 4,370,000	44.3	Enterprise Funds		\$ 610,000	\$ 3,760,000	\$ 4,027,806		
36	Schools	Education Center - Exterior Masonry Work	Repair, repoint and clean exterior masonry. This is Phase II of work begun in FY13.	\$ 200,000	44.1	Bonding	\$ 80,000		\$ 124,200			
37	Public Buildings	City Hall - Envelope - Masonry Repairs	Ongoing program to repair and repoint exterior masonry to preserve building envelope. Address worst areas first.	\$ 253,000	44.0	Bonding	\$ 120,000		\$ 133,000			
38	Fire Dept	Fire Station #1 (Newton Corner) - Replace Tanks	Remove dented and heating oil tanks, replace with tanks from County-side Sali. Abate room. Gas conversion and other mech. work in future renovation work.	\$ 80,000	43.8	Bonding		\$ 80,000		\$ 82,800		
39	Schools	FA Day School - Replace Boilers	Replace two 60 year old boilers and variable air volume (VAV) coil work.	\$ 495,000	43.8	Bonding		\$ 388,000	\$ 107,000	\$ 401,580	\$ 114,621	
40	DPW	DPW - Replace 1985 Excavator	Replacement of existing city vehicle/equipment used for street & sidewalk repairs. (#110) Beyond useful life expectancy.	\$ 280,000	43.8	Bonding		\$ 280,000		\$ 289,800		
41	DPW/Sewer	Pringle Avenue Sewer Pump Station	Station built 1950, rehabbed in 1992. Contains 2 (5 hp) pumps. Replace wet well.	\$ 110,000	43.7	Enterprise Funds		\$ 110,000		\$ 113,850		
42	Public Buildings	City Hall - Mechanical Upgrades	Replace conforming units. Replace and insulate ductwork and replace fans. Add multi-split A/C units in conjunction with window restoration/Replacement.	\$ 425,000	43.7	Bonding		\$ 270,000	\$ 155,000	\$ 279,450	\$ 166,040	
43	Parks/Rec	Pelagial Park Field House - Mechanical Upgrades	Replace boiler, remove underground storage tank. Convert to gas, provide new heating controls, fans and heaters in future.	\$ 160,000	43.6	Bonding		\$ 160,000		\$ 165,600		
44	Schools	Horse Mann School - Replace Roof	Replace Total Building 1986 Built up roof area. Roof has reached its life expectancy.	\$ 400,000	43.5	Bonding		\$ 400,000		\$ 414,000		
45	Public Buildings	City Hall - Exterior Windows & Doors	Restore/Replace windows in phases to improve energy efficiency, functionality and comfort, and to preserve exterior wall.	\$ 1,000,000	42.4	CPA Eligible		\$ 500,000	\$ 525,000	\$ 543,375		
46	DPW	Traffic Light Improvements at Watertown @ Adams/Chapel St Intersection	Upgrade traffic signal and intersection at Watertown and Adams/Chapel Rd to improve safety and visibility.	\$ 248,000	42.0	Chapt 90/Alt Funds		\$ 248,000		\$ 256,680		
47	DPW	Traffic Light Improvements at Cherry @ Webster/Dorby St Intersection	Upgrade traffic signal and intersection at Cherry and Webster/Dorby St to improve safety and visibility.	\$ 210,000	42.0	Chapt 90/Alt Funds		\$ 210,000		\$ 217,350		
48	Fire Dept	Replace Fire Dept Bucket Truck	Replace 1996 1800 with 105K miles on it. Not cost effective to keep it on the road. Safety components are failing, putting personnel at risk.	\$ 220,000	41.8	Other		\$ 220,000		\$ 227,700		
49	DPW	Sidewalk Improvements	Improve pedestrian safety. Repair/Replacement of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads.	\$ 150,000	41.4	Chapt 90/Alt Funds		\$ 150,000		\$ 155,250		
50	DPW/Sewer	Replace Sewer Jet Truck	Replace 2003 vehicle/equipment used to haul materials for trenching / backfilling for sewer line repairs. Also used for snow removal. (3825)	\$ 240,000	41.0	Enterprise Funds		\$ 240,000		\$ 248,400		
51	DPW/Water	Replace Heavy Construction Truck	Replacement of 2004 truck used for construction work on city water mains and for snow removal/hauling operations. Use span or vehicles is 15 yr (3116)	\$ 130,000	41.0	Enterprise Funds		\$ 130,000		\$ 134,550		
52	DPW	Walnut Street (Homer Street to Route 9) - Field Design	Eliminate deteriorated roadway condition and enhance curb and gutter. Federal funds for construction only. Design by City.	\$ 250,000	40.9	Chapt 90/Alt Funds		\$ 250,000		\$ 258,750		
53	DPW/Storm	Rehabilitation of Forest Grove Storm System Pump Station	Pump station is used for flood and mosquito control of Forest Grove Storm System. Technology center for function properly.	\$ 150,000	40.8	Enterprise Funds		\$ 150,000		\$ 155,250		
54	IT	City Emergency Operators Center	Design construct state-of-the-art response center in conjunction with 103 Fire Station. Technology center for detailed information for emergency incidents from which two boilers are 34 years old and beyond their useful life.	\$ 250,000	40.8	Bonding		\$ 650,000		\$ 252,372		
55	Schools	Replene School - Mechanical Upgrades	Two boilers are 34 years old and beyond their useful life. Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks.	\$ 450,000	40.5	Bonding		\$ 450,000		\$ 482,051		
56	DPW	Handicap curb cut access to sidewalks	Provide appropriate curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks.	\$ 63,500	40.5	CBDC Eligible		\$ 63,500		\$ 68,023		
57	DPW	Streetlights - Gaslight Conversion for Energy Efficiency	Convert 19 gas lights to electric lights on existing utility poles. Convert 56 gaslights to electric lights where no streetlight pole exists. Requires installation of conduit, streetlight pole work began in stimulus project.	\$ 234,000	40.5	Other		\$ 234,000		\$ 242,190		
58	DPW	Crafts Street Garage - Mechanical Upgrades	Complete roof top unit work began in stimulus project. Replace fans, duct work, unit heaters. Provide gas detection system.	\$ 400,000	40.4	Bonding		\$ 400,000		\$ 428,490		

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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020
59	DPW/ Water	Close and Use Water Tap to Improve Water Quality	Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving.	\$ 4,018,000	40.2	Enterprise Funds		\$ 4,018,000				\$ 4,304,182	
60	DPW/ Sewer	Sewer Inflow/Infiltration Project - Nonattain Area	Part of 12 yr \$9.1 M program to remove excess inflow and infiltration into sewer system. Design (P17) and construct (P18) for Nonattain area.	\$ 4,500,000	40.2	Enterprise Funds		\$ 600,000	\$ 3,900,000			\$ 642,735	\$ 4,374,000
61	Schools	Lincoln Elm School - Replace Emergency Generator	Replace emergency generator with smaller unit and install battery back-up emergency gress lighting system.	\$ 150,000	40.1	Bonding		\$ 150,000				\$ 160,684	
62	Parks/Rec	Newton Corner Parks & Rec Headquarters - Exterior Windows & Doors	Restore/replace historic exterior doors and windows. Weatherstrip and seal for energy efficiency. Window bay foundation repairs.	\$ 217,000	40.0	CPA Eligible		\$ 217,000				\$ 232,456	
63	DPW	Traffic Light Improvements at Dedham @ Adams/Chapel Rd to improve safety and visibility.	Upgrade traffic signal and intersection at Watertown and Adams/Chapel Rd to improve safety and visibility.	\$ 219,000	39.7	Chapt 90/ Alt Funds		\$ 219,000				\$ 234,598	
64	DPW	Street Parking - Cold Pine and Pave 18 Streets	Streets include Crabs, Wood, Marston, Parker, York, Newell, Brook, Tower, Merchants St, Merchants' for, Blithum, Vine, Fuller, Town House Dr, Mill, and others.	\$ 3,100,000	39.6	Chapt 90/ Alt Funds		\$ 3,100,000				\$ 3,210,798	
65	Fire Dept	Fire Station #2, West Newton - Replace Emergency Generator	Replace emergency generator which is at the end of its useful life. Install life/safety equipment stored in Wires Division.	\$ 163,000	39.3	Bonding		\$ 163,000				\$ 174,610	
66	DPW	Replace Gully/Alternate Foot Bridge	Footbridge structure (steel and abutment) is in poor condition and is not wheelchair accessible.	\$ 150,000	39.2	OB86 Eligible		\$ 150,000				\$ 160,684	
67	DPW	Map Scanning Project for Engineering - Phase 1	Phase project. Current maps are deteriorating rapidly. A new streets system would allow DPW to store maps after scanning. Proposed to be a phased project.	\$ 100,000	39.1	CPA Eligible		\$ 100,000				\$ 107,123	
68	DPW	Castle St DPW Operations (Stables) - Restore Building Envelope, Windows & Roof	Preserve historic building envelope. Repair/repair brick, sills and brick veneer. Restore/replace windows, doors and roof and cupola as historically appropriate.	\$ 943,000	38.9	CPA Eligible		\$ 943,000				\$ 1,010,165	
69	DPW/ Sewer	Quinquepin Road Sewer Station - Replace Pump	Sewerage pumped to higher point and gravity fed to MWRA pipes for treatment. Replace pump 1 and motors at life expectancy.	\$ 420,000	38.9	Enterprise Funds	\$ 120,000	\$ 150,000	\$ 150,000			\$ 160,684	\$ 166,308
70	Fire Dept	Replace Fire Department SCBA Gear	Replace the department self-contained breathing apparatus (SCBA), purchased in FY 2007.	\$ 350,000	38.3	Other		\$ 350,000				\$ 374,929	
71	Fire Dept	Fire Station #1, Newton Corner - Replace Windows & Doors & Repair Masonry	Remove existing windows and replace w/energy efficient insulated units(4x6). Repair and repoint exterior masonry to preserve building envelope.	\$ 386,000	38.3	Bonding		\$ 386,000				\$ 413,493	
72	Fire Dept	Fire Station #2, West Newton - Replace Est. Windows & Doors	Remove existing wood windows and replace with new energy efficient insulated windows (40x6).	\$ 87,000	38.3	Bonding		\$ 87,000				\$ 95,197	
73	DPW	Repave Pearl Street Parking Lot	Repave Pearl Street municipal parking lot which is in poor condition.	\$ 125,000	38.0	Chapt 90/ Alt Funds		\$ 125,000				\$ 133,903	
74	DPW/ Storm	Laundry Brook Culvert Repairs	Repair of culverts along Laundry Brook to prevent flooding.	\$ 643,000	38.0	Enterprise Funds		\$ 643,000				\$ 688,798	
75	Schools	Newton South High School - Mechanical Upgrades	Replace air handlers and roof top equipment, replace hydronic/ACCU system due to burner failure and outdated control.	\$ 400,000	37.8	Bonding		\$ 400,000				\$ 428,490	
76	DPW	Sidewalk Improvements	Improve pedestrian safety. Repair/replace of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads.	\$ 150,000	37.8	Chapt 90/ Alt Funds		\$ 150,000				\$ 160,684	
77	DPW	DPW - Replace Large Construction Trucks	Replace vehicles out of service: Vehicle #101 (1993) and #69 (1983) Required for standing for snow and for construction work.	\$ 300,000	37.8	Bonding		\$ 300,000				\$ 321,368	
78	DPW/ Water	Replace 2004 Construction Truck	Replacement of existing city vehicle used for construction work on city water mains and for snow removal/handling operations. Life span of vehicles is 15 yrs (#10).	\$ 130,000	37.8	Enterprise Funds		\$ 130,000				\$ 139,259	
79	DPW/ Water	Replace 2008 Backhoe	Replacement of existing city vehicle/ equipment used in water line repairs and maintenance (#133)	\$ 120,000	37.8	Enterprise Funds		\$ 120,000				\$ 128,547	
80	Public Buildings	Newton South High School - Controls for HVAC and recommissioning	Install DPH Controls which are incompatible with newer technology. Improve efficiencies by balancing air supply and hydronic systems.	\$ 500,000	37.8	Bonding		\$ 500,000				\$ 535,613	
81	Public Buildings	Adams Middle Library - Building Envelope and Roof	Repair broken roof tiles, refresh where leaks are occurring. Repair/replace gutters and downspout. Pitch roof leaders away from building. Repair concrete ramp. Grout.	\$ 128,000	37.7	CPA Eligible		\$ 128,000	\$ 128,000			\$ 141,916	
82	DPW	Street Parking - Cold Pine and Pave 26 Streets	Dorham, Prince, Berkeley, Cherry, Highland Ave, Grifton, Pitts, Wilson, Ymca, Lee, Colby, East Colby, Oak Cliff, Winton, Park, Newton, Locust, Northwood, -	\$ 2,900,000	37.7	Chapt 90/ Alt Funds		\$ 3,200,000				\$ 3,547,897	
83	Schools	Ed Center - Mechanical Upgrades	Replace boiler, second boiler and hot water conversion in out year. Boilers are 35 years old.	\$ 250,000	37.6	Bonding		\$ 250,000				\$ 277,179	
84	DPW/ Sewer	Hamlet Street Sewer Pump Station - Replace Pump	Sewerage is pumped to a higher point and gravity fed to MWRA pipes for treatment. Replace pumps and motors.	\$ 100,000	37.6	Enterprise Funds		\$ 100,000				\$ 110,972	
85	DPW	Handicap curbcut access to sidewalks	Provide appropriate curb cut to comply with federal ADA requirements and to provide safe, accessible means to and from City sidewalks.	\$ 63,500	37.5	OB86 Eligible		\$ 63,500				\$ 70,404	
86	DPW	DPW - Replace 1997 backhoe	Replacement of existing city vehicle/ equipment used for street & sidewalk repairs. (#120) at useful life expectancy.	\$ 110,000	37.5	Bonding		\$ 110,000				\$ 121,959	
87	Public Buildings	Waban Library-Roofs	Remove slate and install new slate roof, gutters and downspouts.	\$ 252,000	37.4	CPA Eligible		\$ 252,000				\$ 279,397	
88	IT	Consolidated Data Center	Provide a secure, environmentally controlled environment for equipment necessary to support City operations in efficient manner.	\$ 250,000	37.4	Bonding		\$ 450,000				\$ 498,923	

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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020
89	Fire Dept	Replace Fire Dept Pump Truck (Engine 3)	Replace Engine 3 - 2004 Pumper Truck to be used as spare to replace spare Engine 14, a 1992 pumper that should no longer be used.	\$ 600,000	37.4	Bonding		\$ 600,000				\$ 600,000	
90	Public Buildings	City Hall - Roof Repair/Replacement	Install new membrane roof on flat roofs. Repair/replace gutters on balcony roof. Replace metal roofing/fishing as req'd.	\$ 226,218	37.3	Bonding		\$ 226,218				\$ 226,218	
91	DPW/Water	Clean and Line Water Pipes to Improve Water Quality	Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving.	\$ 4,074,600	37.5	Enterprise Funds		\$ 4,074,600				\$ 4,074,600	
92	Schools	Newton South High School - Fire Alarm Upgrades	Upgrade fire alarm system to be fully addressable.	\$ 150,000	37.3	Bonding		\$ 150,000				\$ 150,000	
93	DPW/Water	Water Tanks - Remove Stanton Ave. & Winchester St. Water Tanks	Based on hydraulic studies, tanks are no longer needed to maintain water pressure. Structural assessment may be needed.	\$ 600,000	37.2	Enterprise Funds		\$ 600,000				\$ 600,000	
94	Police	Peliter Annex - Emergency Generator	Replace generator with intelligent battery back-up system. Update system for ADA compliance. Upgrade exterior lighting & occupancy sensors.	\$ 140,000	37.1	Bonding		\$ 140,000				\$ 140,000	
95	DPW	Traffic Light Improvements at Harvard St at Newtonville St Intersection	Upgrade traffic signal and intersection on Harvard St at Newtonville Street to improve safety, visibility.	\$ 81,000	37.1	Chap 90/Alt Funds		\$ 81,000				\$ 81,000	
96	DPW/Water	Replace Construction Truck	Replacement of existing city vehicle used for construction work on city water mains and for sewer removal/landing operations. Life span of vehicles is 15 yrs.	\$ 130,000	37.1	Enterprise Funds		\$ 130,000				\$ 130,000	
97	DPW	Traffic Light Improvements at Pearl Street at Jackson St Intersection	Upgrade traffic signal and intersection on Pearl at Jackson Street to improve safety, visibility and ADA compliance.	\$ 81,000	37.1	Chap 90/Alt Funds		\$ 81,000				\$ 81,000	
98	DPW	Handicap curbcut access to sidewalks	Provides curb cuts to comply with federal ADA requirements and to provide safe, accessible means to and from city sidewalks.	\$ 63,500	37.1	DBGs Eligible		\$ 63,500				\$ 63,500	
99	Schools	Ed Center - Accessibility Upgrades	Upgrade elevator, door hardware, and signage for accessibility.	\$ 100,000	37.1	Bonding		\$ 100,000				\$ 100,000	
100	Schools	Burr School - Accessibility Upgrades	Upgrade entrance ramp, elevator, toilet rooms, and door hardware for accessibility.	\$ 100,000	37.1	Bonding		\$ 100,000				\$ 100,000	
101	Parks/Rec	Newton Highlands Playground - Ph I Design & Construction	Phase I of 2008 Master Plan for park renovation. Addresses drainage problems & build new ball fields and courts. Highly used park.	\$ 1,970,000	37.1	CPA Eligible	\$ 320,000	\$ 1,650,000				\$ 1,650,000	
102	DPW	DPW - Replace 1994 Pactor Trash Collection Vehicle	Replacement of existing city vehicle/equipment used for collecting trash/recycling in Parks & Village Centers. (952)	\$ 150,000	37.1	Bonding		\$ 150,000				\$ 150,000	
103	DPW/Storm	Pelagrine Park Drain Replacement	Replace existing pipe which has settled and is causing flooding.	\$ 130,000	36.9	Enterprise Funds		\$ 130,000				\$ 130,000	
104	DPW	Sidewalk Improvements	Improve pedestrian safety. Repair/replace sidewalk of sidewalks in poor condition and new sidewalks in village centers, school zones, on major roads.	\$ 150,000	36.8	Chap 90/Alt Funds		\$ 150,000				\$ 150,000	
105	Parks/Rec	Glen Pool - New Swim Facility Design and Construction	Replace outdated / failing City Pool Facility. Existing bldg naturally vented to outside putting pipes and interior surfaces at risk of failure.	\$ 7,500,000	36.7	Bonding		\$ 500,000				\$ 573,762	
106	DPW/ Sewer	Replace two Large Construction Vehicles	Replace 2005 vehicles/equipment used to haul materials for trenching/backfilling for sewer line repairs. Also used for snow plowing (#866 and #867)	\$ 300,000	36.7	Enterprise Funds		\$ 300,000				\$ 332,615	
107	Police	Peliter Annex - Exterior Windows & Doors & Building Envelope	Restore/replace windows and doors with historically appropriate energy efficient units. Repoint exterior brick and entry ramp. Repair stone lintels.	\$ 200,000	36.6	CPA Eligible		\$ 200,000				\$ 229,505	
108	Library	Newton Free Library - Generator Replacement	Library used as cooling station for residents. Existing energy agreement mandates peak usage on auxiliary power when regional demand is high extreme.	\$ 250,000	36.4	Bonding		\$ 250,000				\$ 286,881	
109	Public Buildings	City Hall - Sprinklers and Fire Alarm Upgrades	Fire installation of sprinkler system and addressable fire alarm upgrade in City Hall in conjunction with other building upgrades.	\$ 1,215,000	36.3	Bonding		\$ 1,215,000				\$ 1,394,240	
110	Public Buildings	City Hall - Electrical Upgrades	Replace emergency generator and electrical upgrades.	\$ 225,000	36.3	Bonding		\$ 225,000				\$ 258,193	
111	Schools	Ward School - Mechanical Upgrades	Hot water conversion and distribution as part of future major renovation. (Could also keep the steam system for approx 2500k). Includes in major renovation.	\$ 2,000,000	36.2	Bonding							
112	DPW/ Sewer	Sewer Inflow/Infiltration Project - Hornum Area	Part of 12 yr \$98.1M program to remove excess inflow and infiltration into sewer system. Design (P17) and construct (P18) for Hornum area.	\$ 4,500,000		Enterprise Funds		\$ 600,000	\$ 3,900,000			\$ 642,735	\$ 4,324,000
113	Schools	Ward School - Accessibility Improvements	Future building renovation will address hardware, toilets, generator, etc. (major access, ramp, signage, water fountain).	\$ 1,480,000	36.2	Bonding							
114	Fire Dept	Fire Station #2, West Newton - Mechanical Upgrades	Remove (run storage tanks and convert to gas. Other mechanical work to be done as part of future building renovation.	\$ 140,000	36.2	Bonding							
115	DPW/Water	Clean and Line Water Pipes to Improve Water Quality	Cleaning and lining of water pipes to improve water quality, ensure pipe integrity and capacity. Precedes scheduled roadway paving.	\$ 4,074,600	36.2	Enterprise Funds		\$ 4,074,600				\$ 4,517,582	
116	Schools	Bowen School - Roof Replacement	Replace of 1959's portion of the building's roofing system as it has reached its life expectancy.	\$ 180,000	36.2	Bonding							
117	Schools	Mason Bls School - Electrical Upgrades	Replace emergency generator, electrical panels and sub-panels.	\$ 325,000	36.1	Bonding							
118	Schools	Peliter School - Plumbing Upgrades	Sanitary piping is deteriorating. Upgrades to toilet rooms and water fountains	\$ 225,000	36.0	Bonding							

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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2016	FY2017	FY2018	FY2019	FY2020	
119	Schools	Brown School - Mechanical Upgrades	Study options for repair/replacement. Steam system has failed. \$50Kyr to address steam leaks. Hot water conversion in next ten years (2024). Periodically causes	\$ 2,000,000	36.0	Other												
120	Schools	Mason High School - Replace Roof	Replace the 1900's Sarnitt roofing system on the main portion of the building. Existing roof has reached its life expectancy.	\$ 580,000	35.9	Bonding												
121	DPW	Street Paving - Cold Phase and Pave 26 Streets	Decharn, Prince, Berkeley, Cherry, Highland Ave, Gordon, Hill Park, Wilson, Symms, W. Jefferson and Colburn, Oak Cliff, Whitner, Paul, Ahern, Luckner, Ashburnwood,	\$ 2,900,000	35.9	Chapt 90/ Art Funds		\$ 2,900,000										\$ 3,215,282
122	Schools	Bigelow School - Roof Replacement	Replace entire building roof system. Roof is beyond its useful life.	\$ 750,000	35.9	Bonding												
123	Schools	Burr School - Replace Roof	Replace the total building roofing system installed in the 1960's.	\$ 450,000	35.9	Bonding												
124	Public Building	City Hall - Rehabilitate Board of Aldermen Chamber	Upgrade HVAC, Board Chamber to improve mechanical, electrical, audio-visual systems and lighting and interior finishes.	\$ 250,000	35.8	CPA Eligible												
125	DPW/ Water	Needham Street - Clean and Line Water Main - Oak to Charlemont	Deferred. Cleaning and lining 750 LF of 6" water main, 1880. This precedes upcoming TP funded road reconstruction project.	\$ 136,800	35.7	Enterprise Funds												
126	Public Building	City Hall - Masonry Restoration of War Memorial Steps	Implement recommendations from 2007 Study of the Memorial Stairs.	\$ 185,000	35.7	CPA Eligible												
127	DPW/ Water	Wolcott St - Replace Water Main at Wolcott St - Webster to Iona	Deferred due to paving. Replace 1,150 LF of 6" water main with 8" 1905. This precedes scheduled roadway paving.	\$ 230,000	35.6	Enterprise Funds												
128	Schools	Mason High School - Mechanical Upgrades	Direct Digital Controls conversion and upgrade heating distribution system.	\$ 450,000	35.6	Bonding												
129	DPW	Elbow St. Garage - Electrical Upgrades	Upgrade / replace egress lighting and exit signage per code. Upgrade audible fire alarm and strobes to ADA compliance. Replace receptacles, conduit, electric panels.	\$ 192,000	35.5	Bonding												
130	Schools	Brown School - Mechanical Upgrades	Replace interior air handlers in first year. Direct Digital Control conversion.	\$ 325,000	35.5	Bonding												
131	Public Building	Waban Library-Accessibility Upgrades	Upgrade toilet rooms. Replace door hardware. Modify door at stairwell or install automatic door opener.	\$ 110,000	35.4	COBG Eligible												
132	Schools	Burr School - Stewart Stairwell Ramp Repairs	From stair railing collapsing catch basin at entrance plaza, parking area, make accessible route	\$ 280,000	35.4	Bonding												
133	Schools	Bigelow School - Replace Windows and Doors	Replace aging windows and exterior doors to improve comfort, operation, and energy efficiency.	\$ 400,000	35.4	Bonding												
134	Schools	Underwood School - Accessibility Upgrades (Toilets, and Elevator)	Accessibility upgrades including compliant door hardware, ramps, and elevator	\$ 415,000	35.4	Bonding												
135	DPW	Crife St DPW Operations (Stable) - Interior Renovation	Design and Construction for renovated interior including mechanical, electrical, plumbing, and accessibility upgrades.	\$ 500,000	35.2	CPA Eligible												
136	DPW	Elbow St. Operations Building - Building Envelope	Repair foundation walk and rebuild ramp foundation walls. Repair/replace driveway retaining wall. Repair cracks; repoint mortar joints.	\$ 123,000	35.2	Bonding												
137	DPW	DPW - Replace 1998 Front End Loader	Replacement of existing city vehicle/ equipment used to load materials for street & sidewalk repair. (R104)	\$ 160,000	35.2	Bonding												
138	Parls/Rec	Crystal Lake Bar/Barhouse - Renovation/Replace	Existing bar/house is in poor condition and is not accessible. Renovate/replace bar/house and improve site.	\$ 8,000,000	35.2	CPA Eligible												
139	Schools	Memorial Squabbling School - Mechanical Upgrades	Replace controls, air handlers. Replace 2nd boiler. Hot water conversion, and Direct Digital Controls conversion.	\$ 750,000	35.2	Bonding												
140	Schools	Underwood School - Replace Roof	Replace whole building roof in 2 phases.	\$ 450,000	35.1	Bonding												
141	Schools	Oak Hill School - Mechanical Upgrades - Roof Top Units and Distribution System	Replace Roof top air handling units and distribution system	\$ 250,000	35.1	Bonding												
142	Schools	Newton South High School - Electrical Upgrades	Upgrades to lighting and controls	\$ 150,000	35.1	Bonding												
143	Parls/Rec	Burr Park Field House - Building Envelope and Window Restoration	Repair damaged exterior brick walls and trim. Remove masonry and repair with brick. Restore windows. Compliant landing, stairs and railings. Restore vestibules.	\$ 313,500	35.1	CPA Eligible												
144	Parls/Rec	Replace Wrecks Playground Tennis Courts	Replace 4 existing tennis courts at Wrecks Playground.	\$ 220,000	35.1	Bonding												
145	Parls/Rec	Replace McGrath Playground (Warren) Tennis Courts	Replace 4 existing tennis courts at McGrath Playground (Warren).	\$ 220,000	35.1	Bonding												
146	DPW/ Water	Webster St. - Clean and Line Water Main on Webster St	Deferred due to paving. Withham to Wolcott (FY14) Clean and line 3,150 LF of 6" water main, 1932. This precedes scheduled roadway paving.	\$ 759,000	35.1	Enterprise Funds												
147	Parls/Rec	Pulligral Park Field House - Accessibility/ Site Upgrades	Provide accessible toilet rooms, door hardware, signage and a hallow drinking fountain. Resurface and re-grade path to play area.	\$ 183,500	35.0	COBG Eligible												
148	Parls/Rec	Emerson Community Center - Accessibility Upgrades	Upgrade toilet rooms, install accessible door hardware and drinking fountains; Resurface main entrance ramp and install handrails.	\$ 209,000	35.0	Bonding												

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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	
149	Schools	Williams School - Mechanical Upgrades	Replace Air handlers, Direct Digital Controls conversion for HVAC system.	\$ 200,000	34.9	Bonding													
150	Schools	Underwood School - Mechanical Upgrades	Upgrade Distribution system, controls, and remove underground tank.	\$ 525,000	34.9	Bonding													
151	Public Building	City Hall - Repair Front stone entry stairs and Accessible Ramp	Rebuild inaccessible ramp, repair and repaint stone cornice, handrails, front main entry stairs and install code-compliant railings.	\$ 324,000	34.9	Bonding													
152	Schools	Countryside School - Mechanical Upgrades	Replace RTUs in Annex, Direct Digital Control conversion	\$ 250,000	34.9	Bonding													
153	Schools	Ward School - Mechanical Upgrades	Replace second boiler and steam trap work.	\$ 300,000	34.9	Bonding													
154	Schools	Bigelow School - Mechanical Upgrades	Replace 2nd boiler (SA vs SAH) and associated equipment, distribution, units and full BDC system.	\$ 960,000	34.9	Bonding													
155	Police	Police Annex - Mechanical Upgrades	Replace baseboard heaters in bathrooms. Provide proper ventilation/exhaust in locker rooms and bathrooms. Replace boiler with new high efficiency gas-fired boiler.	\$ 170,000	34.9	Bonding													
156	DPW	DPW - Replace Street Sweeper	Replacement of vehicle taken out of service: Vehicle #148. Dept will not have minimum (6 ea) needed for 4 sweeps/yr efficiency.	\$ 172,000	34.8	Bonding													
157	DPW	Elbert Street Shed - Salt Shed - Structural and Envelope Repairs	Replace wood truss members. Add brace supports as ends to prevent walls from buckling. Repair wood buttresses and extend push wall 10' higher to keep weight of salt off insulation. Replace air handling unit in basement with new controls. Provide exhaust fan, 150 CFM in basement	\$ 142,000	34.8	Bonding													
158	Public Building	Nonantum Library-Mechanical	5th station of 7 buildings to be renovated. Work includes building envelope, interior finishes, mechanical, electrical, plumbing, life/safety, ADA upgrades.	\$ 205,000	34.7	Bonding													
159	Fire Dept	Fire Station #1 (Newton Corner) - Renovation	Hot water conversion w/renovation, 2nd boiler and distribution system.	\$ 7,230,000	34.6	Bonding													
160	Schools	Lincoln Elbert School - Mechanical Upgrades	Replace existing cast iron radiators with new steam baseboard units. Remove and replace all old insulation on heating pipes. Potential abatement needed.	\$ 525,000	34.6	Bonding													
161	Park/Rec	Emerson Community Center - Mechanical Upgrades	Rehabilitation of building envelope, mechanical, electrical, plumbing systems, life safety, and accessibility of this historically significant structure. Houses many programs.	\$ 75,000	34.6	Bonding													
162	Park/Rec	Jeanette Curtis West Rec Ctr (The Hut) - Renovation	Replace electrical panel. Replace exterior lighting to improve safety. Replace main electric service and wiring. Upgrade lighting to improve energy efficiency.	\$ 1,500,000	34.5	OPA Eligible													
163	Public Building	Waban Library-Electrical	Replace Ladder 2. 15 years old. Maxed out on life expectancy to be used as spare to replace Spare Ladder 5. A 1985 ladder to be taken out of service.	\$ 108,000	34.5	Bonding													
164	Fire Dept	Replace Fire Dept Aerial Ladder #2	Remove and replace slate roofing, gutters and downspouts. Install new EPDM Roof. Retatch exterior masonry.	\$ 1,000,000	34.4	Bonding													
165	Police	Police Annex - Roof Restoration/Replacement	Address structural cracks in CMU wall first. Repair/repair downspouts. Replace upper Gym membrane roof with a new EPDM roof.	\$ 250,500	34.4	OPA Eligible													
166	Fire Dept	Fire Station #2 (West Newton) - Repair Building Envelope	Replace lower roofing membranes, gutters and downspouts. Replace upper Gym membrane roof with a new EPDM roof.	\$ 166,000	34.4	Bonding													
167	Park/Rec	Palladium Park Field House - Replace Roof	All Health Dept Building recommended work. Envelope is highest need. Building is in re-use process.	\$ 225,000	34.4	Bonding													
168	Health	Health Department Bldg - (Relate Consideration)	Replace electrical panels and sub-panels in original buildings.	\$ 1,500,000	34.2	OPA Eligible													
169	Schools	Bowen School - Electrical Upgrades	Upgrade interior lighting and power distribution. Replace electrical panel and main electrical services.	\$ 75,000	34.2	Bonding													
170	Public Building	Nonantum Library-Electrical	Current equipment has been in service since 2006. Essential for emergency response and hazardous tree removal.	\$ 101,637	34.2	Bonding													
171	Park/Rec	Tree Crew Log Loader	Upgrade fire alarm and egress lighting. Replace electrical service, install exhaust fans, replace heater pump, piping and fittings.	\$ 240,000	34.1	Other													
172	Park/Rec	Goth Pool - Electrical and Mechanical Upgrades	Replace Septic System by connecting to City Sewer infrastructure.	\$ 142,000	34.0	Bonding													
173	Public Building	Kenard Estate - Replace Septic System	Upgrade toilet rooms, water fountains and door hardware for accessibility.	\$ 100,000	34.0	Bonding													
174	Schools	Horse Mann School - Accessibility Upgrades	Replacement of vehicle taken out of service: Vehicle #148. Dept will not have minimum (6 ea) needed for 4 sweeps/yr efficiency.	\$ 220,000	33.9	Bonding													
175	DPW	DPW - Replace Street Sweeper	Develop plans to expand archival storage to accommodate and preserve archival collections and to comply with MAGS mandated record storage requirements.	\$ 172,000	33.9	Bonding													
176	Public Building	City Hall - Increase City Clerk Archive Storage	Remove existing exterior wood doors and frames and replace with new doors and hardware. Repair/replace building windows.	\$ 100,000	33.8	OPA Eligible													
177	Public Building	Submersible Library - Exterior Windows & Doors	Restore exterior wood door and install panic hardware. Replace seaway and rear door. Restore windows.	\$ 127,000	33.8	OPA Eligible													
178	Public Building	Waban Library-Exterior Windows & Doors		\$ 118,500	33.6	OPA Eligible													

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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2016	FY2017	FY2018	FY2019	FY2020
179	Parc/Rec	Newton Highlands Playground - Phase II Design & Construction	2000 sq ft playground for park renovation in phase II will complete the field to provide tennis courts and football field.	\$ 1,925,000	33.6	Bonding						
180	Parc/Rec	Lower Park Community Center - Electrical Upgrades	Upgrade lighting and power distribution. Update fire alarm horn strobe and beacons.	\$ 84,000	33.6	Bonding						
181	DPW	Elbow St. Garage - New Windows and Doors and Envelope Repairs	Replace metal windows and security screens. Remove and replace overhead doors with new insulated overhead doors. Repair exterior brick and steel window lintels.	\$ 103,000	33.6	Bonding						
182	Schools	Ward School - Electrical Upgrades	Upgrade electrical panels and distribution system.	\$ 210,000	33.6	Bonding						
183	Parc/Rec	Emerson Community Center - Electrical Upgrades	Replace switchboard and increase service size to meet electrical demands. Replace original overhead electrical panels. Install emergency audiovisual horn strobes.	\$ 108,000	33.6	Bonding						
184	DPW	Commonwealth Avenue (Route 128 to Washington Street) - Preliminary and Final Design	Eliminate deteriorated roadway condition. Improve public safety and restore Comm Ave to previous boulevard status. Aerial minor.	\$ 500,000	33.6	Chapt 90/ AH Funds						
185	DPW	Washington Street (Commonwealth Avenue to Centre Street) - Preliminary and Final Design	Eliminate deteriorated roadway condition and improve public safety. Aerial minor. Federal funds for construction only. Design funded by City.	\$ 500,000	33.6	Chapt 90/ AH Funds						
186	Library	Library Book Autoclave/ Sorting System	Almost 2 million library materials/yr checked in automatically and sorted by material type	\$ 210,000	33.5	Bonding						
187	DPW	DPW - Replace 1994 Do All Large Construction Truck	Replacement of existing city vehicles/ equipment used for street & sidewalk construction and snow removal operations. (#87)	\$ 150,000	33.5	Bonding						
188	Fire Dept	Fire Station #2, West Newton - Renovation	6th station of 7 buildings to be renovated. Work includes mechanical, electrical, plumbing, code compliance and accessibility upgrades.	\$ 7,700,000	33.5	Bonding						
189	DPW	Elbow Operations Building - Roof Repair/ Replacement	Remove and replace corrugated fiberglass roof. Repair/replace existing slate roof and add ice shield to prevent ice damming and icicle build-up. Repair/replace gutters.	\$ 235,000	33.5	Bonding						
190	Police	Police Garage - Mechanical Upgrades	Replace ceiling hung unit heaters. Provide bathroom exhaust fan and split air conditioning system. Remove abandoned steam piping to prevent possibility of freezing.	\$ 164,000	33.5	Bonding						
191	Senior Centre	Senior Center - Sprinklers and Fire Alarm Upgrades	Install code-compliant sprinkler system in building in conjunction with any major building upgrade or addition.	\$ 170,000	33.4	Bonding						
192	Public Buildings	City Hall - Plumbing Upgrades	Renovate toilet rooms and replace cold and hot water piping as required. Provide insulation for all piping.	\$ 137,000	33.2	Bonding						
193	Schools	Ward School - Replace Roof	Replace Elm Gym 1985 built up roofing system. It has reached its life expectancy.	\$ 160,000	33.1	Bonding						
194	Schools	Memorial Spaulding School - Replace Roof	Replace 1985 built up roof area. It has reached its life expectancy.	\$ 350,000	33.1	Bonding						
195	Parc/Rec	Burr Park Field House - Mechanical/Electrical Upgrades	Replace steam boiler, radiators, venting and piping. Replace exterior lighting to improve safety and security. Upgrade interior lighting and original wiring and controls.	\$ 100,000	33.1	Bonding						
196	Public Buildings	Public Buildings Department-Electrical	Replace electrical distribution panels and main electrical service. Upgrade Telom and Electrical infrastructure to NEC and electrical code. Replace interior lights to improve signage for accessibility.	\$ 118,000	33.1	Bonding						
197	Schools	Bigelow School - Accessibility Upgrades	Upgrade toilet rooms, elevator, door hardware and signage for accessibility.	\$ 400,000	33.1	Bonding						
198	Public Buildings	Public Buildings Department-Mechanical	Replace duct mounted steam coils and baseboard heaters. Replace ductwork with insulated ductwork. Provide make up air dampers and control for emergency generator.	\$ 115,000	32.9	Bonding						
199	Parc/Rec	Newton Upper Park/ Rescued Playground - Design & Construction	Master Plan for park renovation - Construction will include new athletic fields, new play structure and stewart and improvements.	\$ 1,675,000	32.8	Bonding						
200	Senior Centre	Senior Center - Exterior Windows & Doors	Restore/replace wood windows and aluminum storm windows as historically appropriate.	\$ 125,000	32.7	CPA Eligible						
201	Parc/Rec	Pullright Park Field House - Exterior Windows & Doors	Replace windows and security screens with new insulated storm windows and security screens. Repair and repaint masonry walls and exterior curbs.	\$ 130,500	32.5	Bonding						
202	Senior Centre	Senior Center - Building Envelope	Revert exterior masonry walls as required. Repair, rest and seal exterior concrete. Rebuild rear light side entry and stairs at main entry.	\$ 150,000	32.4	CPA Eligible						
203	Parc/Rec	Burr Park Field House - Accessibility/Sign Upgrades	Accessibility upgrades to toilet rooms and fixtures. Upgrade, disabling fountain, and door hardware. Provide accessible path to entrance and an accessible parking area.	\$ 160,500	32.4	Bonding						
204	Public Buildings	Forward Estate-Building Envelope, Windows and Doors	Replace shingles and flashing. Repair foundation walls. Replace wood windows and shutters with historic, appropriate units.	\$ 240,000	32.3	Bonding						
205	Parc/Rec	Fallow & Chaffin Parks Historic Landscape Preservation Plan	Restoration and preservation of Fallow and Chaffin Park. Could break out into design vs construction. 2 yrs	\$ 640,000	32.3	CPA Eligible \$	50,000					
206	Public Buildings	Submarine Library-Mechanical Upgrades	Replace boiler with new steam oil-fired boiler. Replace breeching, combustion air dampers and ductwork. Include heating zones and radiators in basement area.	\$ 125,000	32.3	Bonding						
207	Parc/Rec	Pullright Park Field House - Electrical Upgrades	Upgrade lighting and power distribution for energy efficiency. Provide protective cages over gym fixtures. Replace electric panels.	\$ 176,000	32.1	Bonding						
208	Schools	Lincoln Eliot School - Replace Windows and Doors	Replace windows in 1965 addition and 1975 elementary doors	\$ 280,000	32.0	Bonding						

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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2016	FY2017	FY2018	FY2019	FY2020
209	Fire Dept	Replace Fire Pumper Truck (Engines 7)	Replace Engine 7 pumper truck. Engine 7 will become a spare.	\$ 600,000	32.0	Bonding						
210	Schools	FA Dry School - Accessibility Upgrades / Replace Elevator	Upgrades for ADA Compliant elevator, toilet rooms, door hardware, and signage	\$ 350,000	32.0	Bonding						
211	Police	Police Garage - Roof Replacement	Replace PVC roof installed in the 1990's as required. It has reached life expectancy. Repair water director above support service door.	\$ 193,000	31.9	Bonding						
212	DPW	Ornts Street Garage - Replace Overhead Garage Doors	Replace ten 25-year old overhead doors and tracks. Replace exterior entrance doors and vestibule doors.	\$ 80,000	31.9	Bonding						
213	Police/Rec	Replace Parts Dump Truck (replace 1998 truck #180)	Replacement of vehicle that is used daily for maintenance operations that exceeded its useful life span.	\$ 75,000	31.8	Bonding						
214	Schools	Franklin School - Building Envelope	Replace windows and doors and repair/restore masonry.	\$ 700,000	31.7	Bonding						
215	Police/Rec	Newton Corner Parks & Rec Headquarters - Building Upgrades	Repair front entry concrete. Install new side entry stairs and handrail. Remove and replace wood stairs. Install vent throughout balance of soffits.	\$ 114,500	31.3	Bonding						
216	Police	Police Headquarters - Repair Concrete	Repair concrete at the fire range ceiling. Rebuild tunnel ceiling, waterpook, etc. Repair interior CMU and concrete walls. Replace carpet flooring that is a tripping hazard.	\$ 100,000	31.3	Bonding						
217	DPW	Ellet St. Operations Building - Mechanical/Plumbing Upgrades	Boiler upgrades per code reqs. Replace unit heaters and flued tube heaters. Upgrade bathrooms. Replace water heater.	\$ 169,000	31.3	Bonding						
218	Schools	Horseman School - Restore/Replace Modular	Existing modular is nearing the end of its useful life and will need to be reconditioned or replaced with permanent construction	\$ 1,000,000	31.2	Bonding						
219	Fire Dept	Replace Fire Dept 1994 Cubes Van W-4	Replace 1994 Ford Cubes Van (85,000 miles) for Wilkes Division which is responsible for city flare optic, fire alarms, radio and phone systems.	\$ 60,000	30.9	Bonding						
220	Police/Rec	Autumnale Cove Fieldhouse - Building Upgrades	Project to fully upgrade existing building or replace with new structure.	\$ 206,000	30.7	Bonding						
221	Public Buildings	City Hall - Kitchen Mechanical Upgrades	Repair, upgrade kitchen equipment and stove ventilation in cafeteria kitchen to comply with current code requirements.	\$ 168,000	30.5	Bonding						
222	Police/Rec	Upper Falls Fieldhouse - Building Upgrades	Upgrade or replace building. Work includes lighting, toilet rooms, roofing and envelope repairs.	\$ 123,000	30.3	Bonding						
223	DPW/ Water	Hillside Ave - Otis to Austin	Replaced. Replace 1048 LF of 6" water main with 8" 1877. This project is extended roadway paving.	\$ 209,600	30.2	Enterprise Funds						
224	Schools	Franklin School - Mechanical Upgrades	Replace boilers, hot water conversion, and Direct Digital Control conversion.	\$ 825,000	30.2	Bonding						
225	Schools	Brown School - Accessibility Upgrades	Upgrades to toilet rooms, signage, hardware, railings and assembly spaces for accessibility.	\$ 200,000	30.1	Bonding						
226	Schools	Franklin School - Accessibility and Plumbing Upgrades	Upgrade Toilet rooms, Water fountains, Door hardware and signage for accessibility.	\$ 365,000	30.1	Bonding						
227	Schools	Mason Rice School - Accessibility Upgrades	Upgrade hardware, toilet rooms, and water fountains for accessibility.	\$ 185,000	30.1	Bonding						
228	Schools	Memorial Squadding School - Accessibility Upgrades	Upgrade toilet rooms, door hardware, water fountains, and signage for accessibility.	\$ 300,000	30.1	Bonding						
229	Schools	Lincoln Elliot School - Accessibility Upgrades	Upgrade toilet rooms, door hardware, elevator, entrance ramp, and signage for accessibility.	\$ 940,000	30.1	Bonding						
230	DPW	Map Scanning Project for Engineering Phase II	Phased project. Current maps are deteriorating rapidly. A new storage system would allow DPW to store maps after scanning.	\$ 900,000	30.1	CPA Eligible						
231	Police/Rec	Newton Corner Parks & Rec Headquarters - Site/ Accessibility Upgrades	Re-build the main entry ramp to be code compliant. Make ADA door opening device fully functioning.	\$ 86,000	30.0	CSBG Eligible						
232	Police	Police Annex - Accessibility Upgrades	Provide accessible toilet rooms, door hardware, signage and drinking fountain. Provide a lower transaction counter.	\$ 83,500	30.0	CSBG Eligible						
233	DPW	Ellet St. Operations Building - Replace Windows & Doors	Remove and replace windows. Replace overhead doors. Replace exterior and interior doors.	\$ 80,000	29.9	Bonding						
234	Schools	Underwood School - Electrical Upgrades	Upgrades to electrical panels and sub-panels and emergency generator	\$ 100,000	29.6	Bonding						
235	Schools	Williams School - Accessibility Upgrades	Upgrade door hardware, openings, toilet rooms, railings, and signage for accessibility.	\$ 250,000	29.6	Bonding						
236	Senior Center	Senior Center - Roof Restoration/Replacement	Restore/replace existing slate roof rafters, and downspouts. Replace existing flat roof with new membrane roof and provide proper roof drains.	\$ 244,000	29.6	CPA Eligible						
237	Police/Rec	Lower Falls Community Center - Replace Gym Floor	Replace gym floor with new wood flooring. Replace damaged carpeting and VCT flooring.	\$ 80,000	29.3	Bonding						
238	Police	Police Garage - Accessibility/Site Upgrades	Provide accessible door hardware, signage and code-compliant lower counters. Install accessible employee toilet room.	\$ 80,000	28.9	CSBG Eligible						

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Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2016	FY2017	FY2018	FY2019	FY2020
239	Park/Rec	Replace Cold Spring Park Tennis Courts	Replace 3 existing tennis courts at this location. Courts have deteriorated.	\$ 180,000	28.7	Bonding						
240	Jackson Homestead	Restoration of Historic East Burying Grounds	Restoration of Remains of 24 Tombs in two of the three burial mounds. Priority to City then West Park area. Safety Concern.	\$ 148,135	28.7	OPA Eligible						
241	Park/Rec	Replace Hedden Field Athletic Lighting (Alumaha)	Replace the athletic lighting at the City's premier athletic complex	\$ 150,000	28.4	Bonding						
242	Police	Police Garage - Electrical Upgrades	Connect Garage to generator. Upgrade interior and exterior lighting for energy. Replace conduit, wiring, distribution panel. Upgrade smoke/fire detection system.	\$ 207,000	28.4	Bonding						
243	Schools	Police School - Accessibility Upgrades	Upgrades to door hardware, toilet rooms, railings, and signage for accessibility.	\$ 300,000	28.4	Bonding						
244	Public Buildings	Nonantum Library/Books and Building Envelope	Remove and replace slate roof. Install new gutters and downspouts. Remove and replace existing flat roof.	\$ 200,000	28.3	OPA Eligible						
245	IT	Upgrade to Voice Over IP Phone System	Replace 12 year old phone systems with VOIP (data/voice) capable systems, allowing faster move-add-change and lower hardware costs.	\$ 250,000	28.2	Bonding						
246	Park/Rec	Newton Corner Park & Rec Headquarters - Roof Restoration/Replacement	Replace/restore slate roof as historically appropriate.	\$ 75,500	27.5	OPA Eligible						
247	Jackson Homestead	Storage	Create office climate controlled space with fire protection to house 3-0 museum collections. No space for add'l materials.	\$ 100,000	27.5	OPA Eligible						
248	DPW	Crofts Street Garage - Site Upgrades	Install accessible ramp at entrance. Provide accessible toilet rooms. Resurface and regrade pavement to comply with ADA requirements. Provide accessible parking space.	\$ 194,000	26.7	Bonding						
249	Schools	Lincoln Ellet School - Electrical Upgrades	Replace electric panels and sub-panels.	\$ 125,000	26.7	Bonding						
250	Public Buildings	Mukunale Library - Electrical Upgrades	Electrical and lighting upgrades for code compliance and to improve energy efficiency. Replace electric panel.	\$ 86,607	26.5	Bonding						
251	Public Buildings	Department Hoag Big Roof repair	Paint corrugated metal shed roof. Install new roof shingles. Paint eaves and plywood. Remove skylights and replace with solar light tubes.	\$ 97,000	26.5	Bonding						
252	Police	Police Garage - Windows & Doors and Building Envelope	Replace overhead doors and glass block windows. Replace door to planning/research and glass block wall. Repair masonry veneer exterior. Repair step-cracking in CMU	\$ 140,000	26.4	Bonding						
253	Schools	Police School - Electrical Upgrades	Replace electric panels and sub-panels.	\$ 75,000	26.1	Bonding						
254	Schools	Jenness School - Plumbing Upgrades	Upgrades toilet rooms and water fountains.	\$ 100,000	26.1	Bonding						
255	Schools	Burr School - Electrical Upgrades	Replace electric panels and sub-panels	\$ 100,000	26.1	Bonding						
256	Park/Rec	Replace Cabot Park Tennis Courts	Replace two existing tennis courts at Cabot Park.	\$ 120,000	26.0	Bonding						
257	DPW	Ellet St. Operations Building - Accessibility/Site	Restripe pavement and provide parking signage to create accessible parking spaces; construct an accessible entrance to the building.	\$ 85,000	26.0	Bonding						
258	Schools	Countryside School - Plumbing Upgrades	Upgrade toilet rooms and water fountains and add fixtures per code requirements.	\$ 125,000	26.0	Bonding						
259	Public Buildings	Waban Library-Building Envelope and Entrance	Replace main entry walk and foundation walls and install railing. Rebuild side stairs at main entry. Rebuild stairs at rear entry. Install hand rail on one side of rear entry	\$ 200,000	25.8	OPA Eligible						
260	Schools	Honore Mann School - Mechanical Upgrades	Replace 2nd boiler and replace modular roof top air handling units	\$ 300,000	25.7	Bonding						
261	DPW/Water	Water/Wabias Department Bldg - Accessibility Upgrades	Entrance ramp, toilet room and water fountain upgrades, door hardware, lift, etc to improve accessibility.	\$ 240,000	25.7	Enterprise Funds						
262	Schools	Ward School - Replace Windows and Doors	Replace windows in gym wing and storefront system.	\$ 425,000	25.6	Bonding						
263	Public Buildings	Kennard Estate-Accessibility/Site	Provide accessible parking spaces and install accessible entrance ramp.	\$ 127,350	25.5	Other						
264	Schools	Countryside School - Replace Windows and Doors	Replace single pane storefront system in connector and annex windows and exterior doors.	\$ 500,000	25.3	Bonding						
265	Schools	Brown School - Accessibility Upgrades	Upgrade existing elevator for code compliance, signage, hardware, and reconfigure locker rooms for accessibility.	\$ 600,000	24.8	Bonding						
266	Schools	Countryside School - Accessibility Upgrades	Upgrade toilets, signage, door hardware, and accessible entrance.	\$ 150,000	24.8	Bonding						
267	Jackson Homestead	Jackson Homestead - Exterior Windows & Doors	Restore existing windows and doors as historically appropriate.	\$ 192,000	24.8	OPA Eligible						
268	Fire Dept	Fire Dept Equipment Replacement	Replace firetriggers personal turnout gear. NFPA Standard is to replace every 10 yrs; now 3 yrs old. Best to replace incrementally instead of all at once.	\$ 400,000	24.7	Bonding						

#403-13

Priority	Dept	Project Title	Project Description / Justification	Est Cost in FY2015	Risk Factor	Funding Source	Prior Year Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2016	FY2017	FY2018	FY2019	FY2020	
269	DPW/Storm	Repair Bulwaght Pond Sluice Gate	Repair poorly functioning gate valve used to regulate water storage capacity in City Hall ponds for stormwater.	\$ 60,000	2.4.1	Enterprise Funds												
270	Public Buildings	Monument Library-Accessibility/Se	Reconfigure entry vestibules and reconstruct ADA compliant ramp. Upgrade for toilet rooms and dining room.	\$ 204,000	2.3.9	CBDC Eligible												
271	Schools	Schools - Repair Parking Areas	Repairs parking areas and sidewalks in poor condition at Park, Brown, Underwood, Mason Neck, Oak Hill, Williams, Zervas and Parks.	\$ 400,000	2.3.7	Bonding												
272	Fire Dept	Replace Fire Dept Aerial Ladder #3	Replace Ladder 3. 15 years old. Ladder 3 becomes a spare, replacing spare Ladder 4.	\$ 1,000,000	2.3.5	Bonding												
273	Park/Rec	City Hall and War Memorial Historic Landscape Preservation Project	Restoration and preservation of City Hall grounds Historic Landscape	\$ 1,500,000	2.3.4	CPA Eligible												
274	Park/Rec	Replace Newton South High School Tennis Courts	Replace 12 existing courts at this location and lighting. Consider Private-Public Partnership.	\$ 750,000	2.3.3	Bonding												
275	DPW	New DPW Equipment Shelter - Elliot St	Provides covered storage for vehicles and equipment. Covered storage extends life of vehicles and equipment	\$ 150,000	2.3.2	Bonding												
276	Jackson Homestead	Restoration of Historic West Burying Grounds	Preservation of Remaining 24 Tombs in two of the three burying grounds. Safety concern for visitors.	\$ 146,000	2.3.0	CPA Eligible												
277	DPW	Elliot St. Garage - Roof Repair/Replacement	Replace/repair EPDM roof. Replace damaged roof panels.	\$ 91,000	2.2.7	Bonding												
278	Public Buildings	Mukerriale Library - Accessibility and Sign	Install accessible toilet rm. Enlarge landing at side entry and rebuild concrete paths. Replace door hardware to be ADA compliant. Replace handrails at basement entrance	\$ 265,000	2.1.9	CBDC Eligible												
279	IT	Build/Upgrade Data Center	Create consolidated industry standard data center(s) (HWC, fire protection, virtual servers)	\$ 300,000	2.1.8	Bonding												
280	DPW	Elliot St. Operations Building - Interior and Finish Upgrades	Repaint steel framing in attic. Repair deteriorated concrete and CMU. Upgrade lighting and install new acoustical ceiling.	\$ 147,000	1.8.1	Bonding												
281	Jackson Homestead	Repair/Replace Fencing at Historic Burying Grounds	Restoration of Fences at all 3 burying grounds	\$ 406,600	1.7.8	CPA Eligible												
282	DPW	DPW Equipment Shelter - Crafts St	Provide (new) covered storage for vehicles and equipment. Covered storage extends life of vehicles and equipment	\$ 150,000	1.5.1	Bonding												

Total Need: \$ 321,018,997
 5-yr Total Funded: \$ 229,995,058
 (unescalated) 72%

\$54,479,015 \$70,199,125 \$57,622,500 \$34,429,818 \$13,264,600 \$54,479,015 #VALUE! #VALUE! #VALUE! #VALUE!