



Public Facilities Committee Agenda

City of Newton In City Council

Thursday, September 5, 2024

The Public Facilities Committee will hold this meeting as a hybrid meeting on Thursday, September 5, 2024, at 7:00 PM in Room 204. To view this meeting using Zoom use this link: <https://newtonma-gov.zoom.us/j/83541967073> or call 1-646-558-8656 and use the following Meeting ID: 835 4196 7073

Item Scheduled for Discussion:

#278-24 **Verizon petition for a Grant of Location on Chase Street**
VERIZON petitioning for a grant of location to relocate one jointly-owned pole, P. 6 located on the northerly side of Chase Street approximately 13 feet southwesterly from its existing location to accommodate a new driveway. (Ward 6)
[Chase Street: Back-up Material](#)
Public Facilities Held 7-0; Public Hearing continued on 07/10/24

#293-24 **Eversource petition for Grant of Location for Commonwealth Ave**
EVERSOURCE ENERGY petitioning for a grant of location to install and maintain approximately 378 feet of conduit westerly from the new manhole MH32297 at the intersection of Auburn Street and Evergreen Avenue to support the MWRA Tunnel Boring Machine project. (Ward 4)
[Commonwealth Ave: Back-up Material](#)
Public Facilities Held 7-0; Public Hearing continued 07/10/24

Referred to Public Facilities & Finance Committees

#313-24 **Appropriate \$105,253 for the Newton South Lighting Project**
HER HONOR THE MAYOR requesting authorization to appropriate and expand the sum of one-hundred five-thousand two-hundred fifty-three dollars (\$105,253) from the Energy Stabilization Fund to fund an LED Lighting Project at Newton South High School.

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

Referred to Public Facilities & Finance Committees

#315-24

Transfer \$215,000 for new traffic signal equipment

HER HONOR THE MAYOR requesting authorization to transfer and expend the sum of two-hundred fifteen-thousand dollars (\$215,000), from Trio mitigation funds, identified in Council Order #96-17, Condition #6 for the purchase and installation of new traffic signal equipment at the Lowell Avenue/Washington Street intersection.

Referred to Public Facilities and Finance Committees

#318-24

Authorization for MWRA loan program for Sewer CIP Project 10

HER HONOR THE MAYOR requesting authorization to borrow four-million four-hundred three-thousand dollars (\$4,403,000) in an interest free loan, payable in 1/10 installments over 10 years, from the Massachusetts Water Resources Authority (MWRA) Sewer Infiltration/Inflow Local Financial Assistance Program Phase 15, loan program for the design and construction of Sewer CIP Project 10.

Referred to Public Facilities and Finance Committees

#319-24

Authorization for MWRA loan program

HER HONOR THE MAYOR requesting Authorization to borrow one-million nine-hundred fifty-seven thousand three-hundred dollars (\$1,957,300) in an interest free loan, payable in 1/10 installments over 10 years, from the Massachusetts Water Resources Authority (MWRA) Phase 4 water loan program.

Respectfully submitted,

Susan Albright, Chair



Ruthanne Fuller
Mayor

City of Newton, Massachusetts
Office of the Mayor

313-24
Telephone
(617) 796-1100
Fax
(617) 796-1113
TDD/TTY
(617) 796-1089
Email
rfuller@newtonma.gov

August 5, 2024

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

Honorable City Councilors:

I respectfully submit a docket item to your Honorable Council requesting authorization to appropriate and expend one-hundred five-thousand two-hundred fifty-three dollars (\$105,253) from the Energy Stabilization Fund to fund an LED Lighting Project at Newton South High School.

Over the years we have installed LED lighting at Newton South in phases. We began in 2015 and continued LED work almost every year using Green Communities grants. The projects both provide better lighting as well as save Newton Public Schools money on electric bills. This project will address lighting in Goodwin House, art/music rooms, the main office and portions of the cafeteria and library. Utility rebates for this type of work will be reduced next year so getting this done now makes financial sense.

For more detail, please see the memo and additional documentation from Commissioner of Public Buildings Josh Morse.

Thank you for your consideration of this matter.

Sincerely,

Ruthanne Fuller
Mayor

CITY OF NEWTON, MASSACHUSETTS
PUBLIC BUILDINGS DEPARTMENT
52 ELLIOT STREET, NEWTON HIGHLANDS, MA 02461

Ruthanne Fuller, Mayor
Josh Morse, Building Commissioner

Telephone (617) 796-1600
Facsimile (617) 796-1601
TDD/tty # (617) 796-1608

July 24, 2024

Ruthanne Fuller, Mayor
Newton City Hall
1000 Commonwealth Avenue
Newton Centre, MA 02459

RE: Authorization for Use of Energy Stabilization Funds

Dear Mayor Fuller:

The Public Buildings Department respectfully requests that you docket a request with the City Council for the authorization to spend \$105,253 from the Energy Stabilization Fund to fund an LED Lighting Project at South High School.

Over the years we have installed LED lighting at South HS in phases. We began in 2015 in the library and cafeteria (our first LED project) and did a little bit almost every year using Green Communities grants. We have one area left to reach 100% LED (see attached). The utilities are planning on cutting LED rebates back by 70% effective Jan. 1, 2025 so this will be beneficial to so before this time.

Sincerely,



Josh Morse
Public Buildings Commissioner

cc: Jonathan Yeo, Chief Operating Officer
Maureen Lemieux, Chief Financial Officer
Alex Valcarce, Deputy Buildings Commissioner
David Stickney, Director of Facilities



City of Newton

**PROPOSAL TO PROVIDE
LED Lighting Upgrades & Controls**



Newton South High School

Remaining Areas

**140 BRANDEIS ROAD
NEWTON CENTRE, MA 02459**

OCTOBER 3, 2023

*Frank Davey
RISE Engineering
fdavey@riseengineering.com*



1341 Elmwood Avenue
Cranston, Rhode Island 02910



Newton South HS-Remaining Bldg

Financial Summary

| | |
|---|--------------------|
| Total Project Cost | \$ 135,333 |
| Estimated Electric Incentive | \$ (30,080) |
| Customer Net Cost | \$ 105,253 |
| Estimated Energy Cost Savings Annually | \$ 17,991 |
| Return on Investment (ROI) | 21% |
| Simple Payback in Years | 4.8 |

Energy Savings

| kW Reduction | kWh Reduction |
|--------------|---------------|
| 32.57 | 99,952 |

Pollution Savings

| CO ₂ Reduction (lbs) | N ₂ O Reduction (lbs) | SO ₂ Reduction (lbs) |
|---------------------------------|----------------------------------|---------------------------------|
| 126,639 | 3.0 | 396.3 |



Newton South HS Remaining Bldg
 149 Brando's Road
 Newton, Georgia 30245
 William H. Ferguson

ECM - LED Lighting Upgrades

| Line Item | Building | Floor | Room Number | Room Name | Fixture Type | EXISTING CONDITIONS | | | | PROPOSED CONDITIONS | | | | SENSOR DETAIL | | | | ENERGY SAVINGS | | | | |
|-----------|----------|-------|------------------|---------------------------------|--------------|---|---------|----------------|-------|---------------------|--|---------|----------------|---------------|------|-----------------|------------|--------------------|----------------|----------|------------|-----|
| | | | | | | Existing Fixture Type | Flt Qty | Existing Hours | Watts | kWh | Proposed Fixture Type | Flt Qty | Proposed Hours | Watts | kWh | Sensor Model # | Sensor Qty | Power Pack Model # | Power Pack Qty | 1W Saved | 1kWh Saved | |
| 1 | SOUTH HS | 1 | GOODWN 6002S | MAN HALL | D1 | 2X2 2L4 T8U 31W/NP RECESSED OPAQUE HALLS | 16 | 2902 | 83 | 4,059 | NEW ELITE 2X2 30W LED RECESSED FLAT PANEL HALLS (SET TO 2000L & 35K) | 16 | 2031.4 | 20 | 650 | LRF2-CHLB-P-WH | 4 | RMS-1ER-DV-B | 2 | 1.09 | 3,435 | |
| 2 | SOUTH HS | 1 | GOODWN 6002S | MAN HALL | I1 | 2L25W CFL RECESSED CAN 8" HC | 6 | 2902 | 54 | 940 | NEW GC 25W HO MULTIFIT DUAL DM 8" CAN DM | 6 | 2031.4 | 25 | 305 | | | | | 0.17 | 639 | |
| 3 | SOUTH HS | 1 | GOODWN 6002S | STARWAY | ST1 | 1X4 2L4 T8 32W/NP SURFACE PRISMATIC | 2 | 2902 | 60 | 348 | NEW 1X4 RPT LVC 15W LED WRAP (SET TO 15W & 35K) | 2 | 2902 | 15 | 87 | | | | | 0.09 | 261 | |
| 4 | SOUTH HS | 1 | GOODWN 6002S | STARWAY | B1 | 1X4 2L4 T8 32W/NP STRP | 1 | 2902 | 60 | 174 | RETROFIT RPT 1L4 15W LBI 3500K BYPASS BALLAST (SET TO 15W & 35K) | 1 | 2902 | 25 | 73 | | | | | 0.04 | 102 | |
| 5 | SOUTH HS | 1 | GOODWN 6002S | MEN'S & WOMEN'S TOILETS | C2 | 2X4 2L4 32W T8NP RECESSED PRISMATIC | 3 | 2902 | 60 | 622 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 3 | 2031.4 | 30 | 183 | LRF2-OCR2B-P-WH | 2 | MRF2S-65-DV-WH | 2 | 0.09 | 340 | |
| 6 | SOUTH HS | 1 | GOODWN 6002S | MEN'S & WOMEN'S TOILETS | I1 | 2L25W CFL RECESSED CAN 8" HC | 1 | 2902 | 54 | 157 | NEW GC 25W HO MULTIFIT DUAL DM 8" CAN DM | 1 | 2031.4 | 25 | 51 | | | | | 0.03 | 106 | |
| 7 | SOUTH HS | 1 | GOODWN 6002S | ELECTRICAL ROOM | B4 | 1X4 1L4 T8 32W/NP STRP | 1 | 2902 | 40 | 116 | RETROFIT RPT 1L4 15W LBI 3500K BYPASS BALLAST (SET TO 15W & 35K) | 1 | 2902 | 15 | 44 | | | | | 0.03 | 73 | |
| 8 | SOUTH HS | 1 | GOODWN 6002S | STARWAY | ST1 | 1X4 2L4 T8 32W/NP SURFACE PRISMATIC | 1 | 2902 | 60 | 174 | NEW 1X4 RPT LVC 15W LED WRAP (SET TO 15W & 35K) | 1 | 2902 | 15 | 44 | | | | | 0.05 | 131 | |
| 9 | SOUTH HS | 1 | GOODWN 6002S | JANITOR'S CLOSET | B4 | 1X4 1L4 T8 32W/NP STRP | 1 | 2902 | 40 | 116 | RETROFIT RPT 1L4 15W LBI 3500K BYPASS BALLAST (SET TO 15W & 35K) | 1 | 2902 | 15 | 44 | | | | | 0.03 | 73 | |
| 10 | SOUTH HS | 1 | GOODWN 6002S | METCO OFFICE | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 2 | 2902 | 88 | 511 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2031.4 | 30 | 98 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 2 | 0.13 | 413 | |
| 11 | SOUTH HS | 1 | GOODWN 6002S | IDF CLOSET | B4 | 1X4 1L4 T8 32W/NP STRP | 1 | 2902 | 40 | 116 | RETROFIT RPT 1L4 15W LBI 3500K BYPASS BALLAST (SET TO 15W & 35K) | 1 | 2902 | 15 | 44 | | | | | 0.03 | 73 | |
| 12 | SOUTH HS | 1 | GOODWN 6002S | CLASSROOMS 6112-6116-6107-6109 | P1 | 1X3 4L4 T8 32W/NP INDIRECT PENDANT PERF | 14 | 2902 | 112 | 4,550 | RETROFIT RPT 2L4 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 14 | 2902 | 50 | 2031 | | | | | 0.87 | 2,519 | |
| 13 | SOUTH HS | 1 | GOODWN 6002S | CLASSROOMS 6112-6116-6107-6109 | P2 | 1X4 2L4 T8 32W/NP INDIRECT PENDANT PERF (D.M) | 27 | 2902 | 60 | 4,701 | RETROFIT RPT 1L4 15W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 27 | 2902 | 25 | 1559 | | | | | 0.95 | 2,742 | |
| 14 | SOUTH HS | 1 | GOODWN 6002S | CLASSROOM 6101 | P1 | 1X3 4L4 T8 32W/NP INDIRECT PENDANT PERF | 3 | 2902 | 112 | 975 | RETROFIT RPT 2L4 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 3 | 2902 | 50 | 435 | | | | | 0.19 | 540 | |
| 15 | SOUTH HS | 1 | GOODWN 6002S | CLASSROOM 6101 | P2 | 1X4 2L4 T8 32W/NP INDIRECT PENDANT PERF (D.M) | 6 | 2902 | 60 | 1,045 | RETROFIT RPT 1L4 15W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 6 | 2902 | 25 | 435 | | | | | 0.21 | 609 | |
| 16 | SOUTH HS | 1 | GOODWN 6002S | CLASSROOM 6101 | B1 | 1X4 2L4 T8 32W/NP STRP | 1 | 2902 | 60 | 174 | RETROFIT RPT 1L4 15W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 1 | 2902 | 25 | 73 | | | | | 0.04 | 102 | |
| 17 | SOUTH HS | 1 | GOODWN 6002S | CLASSROOM 6101 OFFICE | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 1 | 2902 | 88 | 255 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 1 | 2031.4 | 30 | 49 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 1 | 0.06 | 207 | |
| 18 | SOUTH HS | 1 | GOODWN 6002S | CLASSROOM 6101 STORAGE RM | C2 | 2X4 2L4 32W T8NP RECESSED PARABOLIC | 1 | 2902 | 60 | 174 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 1 | 2031.4 | 30 | 61 | MS-OP58M2-DV-WH | 1 | | | | 0.03 | 113 |
| 19 | SOUTH HS | 1 | GOODWN 6002S | CLASSROOM 6101 WALL | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 4 | 2902 | 88 | 1,022 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 4 | 2031.4 | 30 | 195 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 4 | 0.26 | 826 | |
| 20 | SOUTH HS | 1 | GOODWN 6002S | OPEN OFFICE AREA | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 7 | 2902 | 88 | 1,783 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 7 | 2031.4 | 30 | 341 | LRF2-OCR2B-P-WH | 3 | FCJS-010 | 7 | 0.45 | 1,446 | |
| 21 | SOUTH HS | 1 | GOODWN 6002S | OPEN OFFICE AREA | D2 | 2X2 2L4 T8U 31W/NP RECESSED PARABOLIC | 2 | 2902 | 83 | 511 | NEW ELITE 2X2 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2031.4 | 30 | 93 | | | | | 0.13 | 413 | |
| 22 | SOUTH HS | 1 | GOODWN 6002S | MEN'S & WOMEN'S TOILETS | C2 | 2X4 2L4 32W T8NP RECESSED PRISMATIC | 2 | 2902 | 60 | 348 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2031.4 | 30 | 122 | MS-OP58M2-DV-WH | 2 | | | | 0.06 | 228 |
| 23 | SOUTH HS | 1 | GOODWN 6002S | OFFICES 6128-6124-6125-6128 | C1 | 2X4 2L4 32W T8NP RECESSED PARABOLIC | 9 | 2902 | 88 | 2,293 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 9 | 2031.4 | 30 | 439 | LRF2-OCR2B-P-WH | 4 | FCJS-010 | 9 | 0.58 | 1,860 | |
| 24 | SOUTH HS | 1 | GOODWN 6002S | CONFERENCE ROOM 6133 | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 3 | 2902 | 88 | 766 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 3 | 2031.4 | 30 | 145 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 3 | 0.19 | 620 | |
| 25 | SOUTH HS | 1 | GOODWN 6002S | BREAK ROOM 6136 | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 6 | 2902 | 88 | 1,532 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 6 | 2031.4 | 30 | 230 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 6 | 0.38 | 1,240 | |
| 26 | SOUTH HS | 1 | GOODWN 6002S | OFFICES 6133-6112 | C4 | 2X4 4L4 32W T8NP RECESSED PARABOLIC | 7 | 2902 | 112 | 2,275 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 7 | 2031.4 | 30 | 341 | LRF2-OCR2B-P-WH | 2 | FCJS-010 | 7 | 0.62 | 1,934 | |
| 27 | SOUTH HS | 1 | GOODWN 6002S | CLASSROOM 6111 | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 6 | 2902 | 88 | 1,532 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 6 | 2031.4 | 30 | 230 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 6 | 0.38 | 1,240 | |
| 28 | SOUTH HS | 1 | MAN OFFICE 6009A | HALL TO MAIN OFFICE/FRONT LOBBY | C2 | 2X4 2L4 32W T8NP RECESSED PRISMATIC | 4 | 2902 | 60 | 696 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 4 | 2902 | 30 | 348 | | | | | 0.12 | 348 | |
| 29 | SOUTH HS | 1 | MAN OFFICE 6009A | HALL TO MAIN OFFICE/FRONT LOBBY | B1 | 1X4 2L4 T8 32W/NP STRP | 4 | 2902 | 60 | 696 | RETROFIT RPT 1L4 15W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 4 | 2902 | 25 | 290 | | | | | 0.14 | 406 | |
| 30 | SOUTH HS | 1 | MAN OFFICE 6009A | HALL TO MAIN OFFICE/FRONT LOBBY | I1 | 2L25W CFL RECESSED CAN 8" HC | 6 | 2902 | 54 | 940 | NEW GC 25W HO MULTIFIT DUAL DM 8" CAN DM | 6 | 2902 | 25 | 435 | | | | | 0.17 | 505 | |
| 31 | SOUTH HS | 1 | MAN OFFICE 6009A | HALL TO MAIN OFFICE/FRONT LOBBY | D1 | 2X2 2L4 T8U 31W/NP RECESSED OPAQUE HALLS | 20 | 2902 | 88 | 5,109 | NEW ELITE 2X2 30W LED RECESSED FLAT PANEL HALLS (SET TO 2000L & 35K) | 20 | 2902 | 20 | 1161 | | | | | 1.26 | 3,947 | |
| 32 | SOUTH HS | 1 | MAN OFFICE 6009A | MAN OFFICE HALL/OPEN AREA | C1 | 2X4 2L4 32W T8NP RECESSED PARABOLIC | 3 | 2902 | 88 | 766 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 3 | 2902 | 30 | 209 | | | | | 0.19 | 557 | |
| 33 | SOUTH HS | 1 | MAN OFFICE 6009A | MAN OFFICE HALL/OPEN AREA | D2 | 2X2 2L4 T8U 31W/NP RECESSED PARABOLIC | 6 | 2902 | 88 | 1,532 | NEW ELITE 2X2 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 6 | 2902 | 30 | 418 | | | | | 0.38 | 1,114 | |
| 34 | SOUTH HS | 1 | MAN OFFICE 6009A | MAN OFFICE HALL/OPEN AREA | C2 | 2X4 2L4 32W T8NP RECESSED PRISMATIC | 3 | 2902 | 60 | 622 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 3 | 2902 | 30 | 209 | | | | | 0.11 | 313 | |
| 35 | SOUTH HS | 1 | MAN OFFICE 6009A | MEN'S & WOMEN'S TOILETS | C2 | 2X4 2L4 32W T8NP RECESSED PRISMATIC | 2 | 2902 | 60 | 348 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2902 | 30 | 174 | | | | | 0.06 | 174 | |
| 36 | SOUTH HS | 1 | MAN OFFICE 6009A | OFFICE 6129 | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 1 | 2902 | 88 | 255 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 1 | 2031.4 | 30 | 49 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 1 | 0.06 | 207 | |
| 37 | SOUTH HS | 1 | MAN OFFICE 6009A | ASST PRINCIPAL OFFICE | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 4 | 2902 | 88 | 1,022 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 4 | 2031.4 | 30 | 195 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 4 | 0.26 | 826 | |



Newton South HS-Remaining Bids
140 Brande's Road
Newton Centre MA 02459
William H. Ferguson

ECM: LED Lighting Upgrades

| LOCATION | | | | EXISTING CONDITIONS | | | | | PROPOSED CONDITIONS | | | | | SENSOR DETAIL | | | | ENERGY SAVINGS | | | |
|-----------|----------|-------|---------------------------|-------------------------------|--------------|---|---------|----------------|---------------------|-------|--|---------|----------------|---------------|------|-----------------|------------|--------------------|----------------|-----------|------------|
| Line Item | Building | Floor | Room Number / Description | Room Name | Fixture Type | Existing Fixture Type | Ft. Qty | Existing Hours | Watts | kWh | Proposed Fixture Type | Ft. Qty | Proposed Hours | Watts | kWh | Sensor Model # | Sensor Qty | Power Pack Model # | Power Pack Qty | kWh Saved | kWh Served |
| 38 | SOUTH HS | 1 | MAIN OFFICE 8009 | PRINCIPAL OFFICE | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 4 | 2902 | 83 | 1,022 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 4 | 2031.4 | 30 | 156 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 4 | 0.26 | 828 |
| 39 | SOUTH HS | 1 | MAIN OFFICE 8009 | MAIN OFFICE | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 8 | 2902 | 83 | 2,043 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 8 | 2902 | 30 | 557 | FCJS-010 | 8 | 0.51 | 1,486 | | |
| 40 | SOUTH HS | 1 | MAIN OFFICE 8009 | COPY ROOM | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 2 | 2902 | 83 | 511 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2031.4 | 30 | 93 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 2 | 0.13 | 413 |
| 41 | SOUTH HS | 1 | MAIN OFFICE 8009 | BREAK ROOM | C3 | 2X4 3L4 32W T8NP RECESSED PRISMATIC | 2 | 2902 | 83 | 511 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2031.4 | 30 | 93 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 2 | 0.13 | 413 |
| 42 | SOUTH HS | 1 | MAIN OFFICE 8009 | STORAGE ROOM | C2 | 2X4 2L4 32W T8NP RECESSED PRISMATIC | 2 | 2902 | 60 | 348 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2031.4 | 30 | 93 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 2 | 0.07 | 251 |
| 43 | SOUTH HS | 1 | MAIN OFFICE 8009 | STORAGE CLOSET | B1 | 1X4 2L4 T8 32W NP STR P | 1 | 2902 | 60 | 174 | RETROFIT RPT 1L4 25W LBI 3500K/BYPASS BALLAST (SET TO 25W & 35K) | 1 | 2902 | 25 | 73 | | | | | 0.04 | 102 |
| 44 | SOUTH HS | 1 | MAIN OFFICE 8009 | ELEVATOR MACH RM | B1 | 1X4 2L4 T8 32W NP STR P | 1 | 2902 | 60 | 174 | RETROFIT RPT 1L4 25W LBI 3500K/BYPASS BALLAST (SET TO 25W & 35K) | 1 | 2902 | 25 | 73 | | | | | 0.04 | 102 |
| 45 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | HALL TO CAFÉ 7130 | C2 | 2X4 2L4 32W T8NP RECESSED PRISMATIC | 7 | 2902 | 60 | 1,219 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 7 | 2902 | 30 | 609 | | | | | 0.21 | 609 |
| 46 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | GUIDANCE OPEN OFFICE | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 9 | 2902 | 83 | 2,298 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 9 | 2031.4 | 30 | 439 | LRF2-OCR2B-P-WH | 3 | FCJS-010 | 9 | 0.58 | 1,660 |
| 47 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | GUIDANCE SMALL OFFICE | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 2 | 2902 | 83 | 511 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2031.4 | 30 | 93 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 2 | 0.13 | 413 |
| 48 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | GUIDANCE SMALL OFFICE | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 2 | 2902 | 83 | 511 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2031.4 | 30 | 93 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 2 | 0.13 | 413 |
| 49 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | OFFICE 7139 | C4 | 2X4 4L4 32W T8NP RECESSED PARABOLIC | 2 | 2902 | 112 | 650 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2031.4 | 30 | 93 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 2 | 0.18 | 553 |
| 50 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | OFFICE 7139 | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 4 | 2902 | 88 | 1,022 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 4 | 2031.4 | 30 | 155 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 4 | 0.26 | 826 |
| 51 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | OFFICE HALL | D1 | 2X2 2L4 T8U 31W NP RECESSED OPALQUE-HALLS | 1 | 2902 | 88 | 255 | NEW ELITE 2X2 30W LED RECESSED FLAT PANEL HALLS (SET TO 2000L & 35K) | 1 | 2902 | 20 | 53 | | | | | 0.07 | 197 |
| 52 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | SMALL OFFICES 1135/7159 | C4 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 2 | 2902 | 112 | 650 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2031.4 | 30 | 93 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 2 | 0.18 | 553 |
| 53 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | OFFICE 7184 | B1 | 1X4 4L4 T8 32W NP INDIRECT PENDANT PERF | 4 | 2902 | 112 | 1,300 | RETROFIT RPT 2L4 25W LBI 3500K/BYPASS BALLAST (SET TO 25W & 35K) | 4 | 2902 | 50 | 550 | | | | | 0.25 | 720 |
| 54 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | JANITORS CLOSET | P1 | 1X4 2L4 T8 32W NP STR P | 1 | 2902 | 60 | 174 | RETROFIT RPT 1L4 25W LBI 3500K/BYPASS BALLAST (SET TO 25W & 35K) | 1 | 2902 | 25 | 73 | | | | | 0.04 | 102 |
| 55 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | OFFICE 9149 | C4 | 2X4 4L4 32W T8NP RECESSED PARABOLIC | 4 | 2902 | 112 | 1,300 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 4 | 2031.4 | 30 | 155 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 4 | 0.35 | 1,105 |
| 56 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | OFFICE 9149 SMALL OFFICES (2) | C2 | 2X4 2L4 32W T8NP RECESSED PRISMATIC | 8 | 2902 | 60 | 1,393 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 8 | 2031.4 | 30 | 390 | LRF2-OCR2B-P-WH | 2 | FCJS-010 | 8 | 0.29 | 1,003 |
| 57 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | CAFETERIA 7133 SMALL HALL | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 2 | 2902 | 83 | 511 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2902 | 30 | 174 | | | | | 0.12 | 337 |
| 58 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | SERVING 9132 | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 21 | 2902 | 83 | 3,563 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 21 | 2902 | 30 | 1828 | | | | | 1.22 | 3,535 |
| 59 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | KITCHEN | C4 | 2X4 4L4 32W T8NP RECESSED PARABOLIC | 12 | 2902 | 112 | 3,900 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 12 | 2902 | 30 | 1045 | | | | | 0.93 | 2,856 |
| 60 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | KITCHEN | D2 | 2X2 2L4 T8U 31W NP RECESSED PARABOLIC | 4 | 2902 | 88 | 1,022 | NEW ELITE 2X2 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 4 | 2902 | 30 | 348 | | | | | 0.23 | 673 |
| 61 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | KITCHEN SMALL ROOMS | C2 | 2X4 2L4 32W T8NP RECESSED PRISMATIC | 2 | 2902 | 60 | 348 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2902 | 30 | 174 | | | | | 0.06 | 174 |
| 62 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | CAFETERIA 7130 PERIMETER | B1 | 1X4 2L4 T8 32W NP STR P | 39 | 2902 | 60 | 6,791 | RETROFIT RPT 1L4 25W LBI 3500K/BYPASS BALLAST (SET TO 25W & 35K) | 39 | 2902 | 25 | 2829 | | | | | 1.37 | 3,961 |
| 63 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | HALL TO LIBRARY | WB1 | 2L26W CFL WALL SCONCE | 1 | 2902 | 54 | 157 | NEW RPT 15W LED WALL SCONCE 3500K (SET TO 15W & 35K) | 1 | 2902 | 15 | 44 | | | | | 0.04 | 113 |
| 64 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | DINING RM 7126 CONF RM | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 1 | 2902 | 83 | 255 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 1 | 2031.4 | 30 | 49 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 1 | 0.06 | 207 |
| 65 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | HALL TO LIBRARY | C2 | 2X4 2L4 32W T8NP RECESSED PRISMATIC | 28 | 2902 | 60 | 4,875 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 28 | 2031.4 | 30 | 1706 | LRF2-OHLB-P-WH | 4 | RWJS-16R-DV-B | 2 | 0.84 | 3,169 |
| 66 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | HALL TO LIBRARY | F2 | 1X4 2L4 F2 BAX RECESSED WALL WASH | 1 | 2902 | 72 | 209 | RELAMP RPT 2L2 17W LED BAX 22" 3500K/BYPASS BALLAST | 1 | 2031.4 | 34 | 69 | | | | | 0.04 | 140 |
| 67 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | HALL TO LIBRARY | II | 2L26W CFL RECESSED CAN 8" HC | 7 | 2902 | 54 | 1,097 | NEW GC 25W HO MULTIFIT DUAL D.M 8" CAN DM | 7 | 2031.4 | 25 | 355 | LRF2-OCR2B-P-WH | 4 | RWJS-16R-DV-B | 2 | 0.20 | 741 |
| 68 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | ANGLED CONF RM | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 1 | 2902 | 83 | 255 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 1 | 2031.4 | 30 | 49 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 1 | 0.06 | 207 |
| 69 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | JANITORS CLOSET | B1 | 1X4 2L4 T8 32W NP STR P | 1 | 2902 | 60 | 174 | RETROFIT RPT 1L4 25W LBI 3500K/BYPASS BALLAST (SET TO 25W & 35K) | 1 | 2902 | 25 | 73 | | | | | 0.04 | 102 |
| 70 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | ELECTRICAL ROOM | B1 | 1X4 2L4 T8 32W NP STR P | 1 | 2902 | 60 | 174 | RETROFIT RPT 1L4 25W LBI 3500K/BYPASS BALLAST (SET TO 25W & 35K) | 1 | 2902 | 25 | 73 | | | | | 0.04 | 102 |
| 71 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | CAREER CENTER 7132 | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 5 | 2902 | 88 | 1,277 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 5 | 2031.4 | 30 | 244 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 9 | 0.32 | 1,033 |
| 72 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | CAREER CENTER 7132 | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 4 | 2902 | 88 | 1,022 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 4 | 2902 | 30 | 348 | | | | | 0.23 | 673 |
| 73 | SOUTH HS | 1 | LIBRARY/CAF E QUADRANT | CONTROL ROOM 7119 | C1 | 2X4 3L4 32W T8NP RECESSED PARABOLIC | 2 | 2902 | 88 | 511 | NEW ELITE 2X4 30W LED RECESSED FLAT PANEL (SET TO 3000L & 35K) | 2 | 2902 | 30 | 139 | FCJS-010 | 2 | 0.13 | 371 | | |
| 74 | SOUTH HS | 1 | ART/MUSIC 5005 | MAIN HALL TO BAND RM | II | 2L26W CFL RECESSED CAN 8" HC | 8 | 2902 | 54 | 1,254 | NEW GC 25W HO MULTIFIT DUAL D.M 8" CAN DM | 8 | 2902 | 25 | 550 | | | | | 0.23 | 673 |



Newton South HS Remaining Bldg
140 Brande's Road
Newton Centre MA 02459
William H. Ferguson

ECM - LED Lighting Upgrades

| Line Item | Building | Floor | Room Number/Description | Room Name | Fixture Type | EXISTING CONDITIONS | | | | | PROPOSED CONDITIONS | | | | | SENSOR DETAIL | | | | ENERGY SAVINGS | |
|-----------|----------|-------|-------------------------|-------------------------------------|--------------|---|---------|----------------|-------|--------|--|---------|----------------|-------|------|-----------------|------------|--------------------|----------------|----------------|----------|
| | | | | | | Existing Fixture Type | Fix Qty | Existing Hours | Watts | kWh | Proposed Fixture Type | Fix Qty | Proposed Hours | Watts | kWh | Sensor Model # | Sensor Qty | Power Pack Model # | Power Pack Qty | kWh Saved | 1% Saved |
| | | | | | | | | | | | | | | | | | | | | | |
| 75 | SOUTH HS | 1 | ART MUSC 900'S | MAN HALL TO BAND RM | B1 | 1X4 2L4' T8 32W N/P STRIP | 4 | 2902 | 60 | 696 | RETROFIT RPT 1L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 4 | 2902 | 25 | 290 | | | | | 0.14 | 406 |
| 76 | SOUTH HS | 1 | ART MUSC 900'S | MAN HALL TO BAND RM | C2 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 1 | 2902 | 60 | 174 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 1 | 2902 | 30 | 87 | | | | | 0.03 | 87 |
| 77 | SOUTH HS | 1 | ART MUSC 900'S | CLASSROOM 9101 | C2 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 13 | 2902 | 60 | 2,284 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 13 | 2031.4 | 30 | 634 | LRF2-OCR2B-P-WH | 2 | FCJS-010 | 13 | 0.47 | 1,630 |
| 78 | SOUTH HS | 1 | ART MUSC 900'S | CLASSROOM 9101 | D1 | 2X2 2L4' T8U 31W N/P RECESSED OPAQUE HALLS | 1 | 2902 | 88 | 255 | NEW ELITE 2X2 32W LED RECESSED FLAT PANEL HALLS (SET TO 2500K & 35K) | 1 | 2031.4 | 20 | 33 | | | FCJS-010 | 1 | 0.07 | 223 |
| 79 | SOUTH HS | 1 | ART MUSC 900'S | STORAGE ROOM 9102 | C3 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 2 | 2902 | 88 | 511 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 2 | 2031.4 | 30 | 122 | MS-OPS0M2-DV-WH | 1 | | | 0.12 | 319 |
| 80 | SOUTH HS | 1 | ART MUSC 900'S | STORAGE ROOM 9103 | C2 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 1 | 2902 | 60 | 174 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 1 | 2031.4 | 30 | 61 | MS-OPS0M2-DV-WH | 1 | | | 0.03 | 113 |
| 81 | SOUTH HS | 1 | ART MUSC 900'S | CLASSROOM 9104 9107 9109 | B5 | 1X4 2L4' T8 32W N/P WIDE WRAP | 13 | 2902 | 83 | 3,320 | NEW ESI 1X4 28W LED SURFACE WIDE WRAP 35K | 13 | 2902 | 28 | 1056 | | | | | 0.78 | 2,264 |
| 82 | SOUTH HS | 1 | ART MUSC 900'S | CLASSROOM 9104 9107 9109 | BR30 | 1L42W CFL TRACK FLOOD | 90 | 2902 | 48 | 12,537 | NEW GC 11W LED BR30 SCREW IN 5000K 120V D/M | 90 | 2902 | 11 | 2873 | | | | | 3.33 | 9,664 |
| 83 | SOUTH HS | 1 | ART MUSC 900'S | CLASSROOM 9107 9109 OFFICE | C3 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 2 | 2902 | 88 | 511 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 2 | 2031.4 | 30 | 58 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 2 | 0.13 | 413 |
| 84 | SOUTH HS | 1 | ART MUSC 900'S | CLASSROOM 9105 | P1 | 1X3 4L4' T8 32W N/P IND-RECT PENDANT PERF | 4 | 2902 | 112 | 1,300 | RETROFIT RPT 2L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 4 | 2902 | 50 | 550 | | | | | 0.25 | 720 |
| 85 | SOUTH HS | 1 | ART MUSC 900'S | CLASSROOM 9105 STORAGE RM | C1 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 1 | 2902 | 88 | 255 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 1 | 2031.4 | 30 | 61 | MS-OPS0M2-DV-WH | 1 | | | 0.06 | 194 |
| 86 | SOUTH HS | 1 | ART MUSC 900'S | CLASSROOM 9110 9111 | P1 | 1X3 4L4' T8 32W N/P IND-RECT PENDANT PERF | 14 | 2902 | 112 | 4,550 | RETROFIT RPT 2L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 14 | 2902 | 50 | 2031 | | | | | 0.87 | 2,519 |
| 87 | SOUTH HS | 1 | ART MUSC 900'S | CLASSROOM 9110 9111 | P2 | 1X4 2L4' T8 32W N/P IND-RECT PENDANT PERF (D/M) | 10 | 2902 | 60 | 1,741 | RETROFIT RPT 1L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 10 | 2902 | 25 | 726 | | | | | 0.35 | 1,016 |
| 88 | SOUTH HS | 1 | ART MUSC 900'S | BAND ROOM 9115 | P3 | 1X3 4L4' T8 31W N/P PENDANT PARABOLIC | 22 | 2902 | 160 | 10,215 | NEW ESI 1X4 28W LED SURFACE WIDE WRAP 35K | 22 | 2031.4 | 56 | 2002 | LRF2-OCR2B-P-WH | 5 | FCJS-010 | 11 | 2.53 | 8,213 |
| 89 | SOUTH HS | 1 | ART MUSC 900'S | BAND ROOM 9115 | P4 | 1X4 2L4' T8 32W N/P PENDANT PARABOLIC | 2 | 2902 | 60 | 348 | NEW ESI 1X4 28W LED SURFACE WIDE WRAP 35K | 2 | 2031.4 | 28 | 91 | | | FCJS-010 | 2 | 0.08 | 257 |
| 90 | SOUTH HS | 1 | ART MUSC 900'S | BAND ROOM 9115 OFFICE | C3 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 2 | 2902 | 88 | 511 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 2 | 2031.4 | 30 | 58 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 2 | 0.13 | 413 |
| 91 | SOUTH HS | 1 | ART MUSC 900'S | BAND ROOM 9115 STORAGE | A1 | 1X3 4L4' T8 32W N/P STRIP | 3 | 2902 | 112 | 975 | RETROFIT RPT 2L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 3 | 2031.4 | 50 | 305 | LRF2-OCR2B-P-WH | 1 | MRFS-85-DV-WH | 1 | 0.19 | 670 |
| 92 | SOUTH HS | 1 | ART MUSC 900'S | BAND ROOM 9115 ELEC RM | B1 | 1X4 2L4' T8 32W N/P STRIP | 1 | 2902 | 60 | 174 | RETROFIT RPT 1L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 1 | 2902 | 25 | 73 | | | | | 0.04 | 102 |
| 93 | SOUTH HS | 1 | ART MUSC 900'S | DF CLOSET | B1 | 1X4 2L4' T8 32W N/P STRIP | 1 | 2902 | 60 | 174 | RETROFIT RPT 1L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 1 | 2902 | 25 | 73 | | | | | 0.04 | 102 |
| 94 | SOUTH HS | 1 | ART MUSC 900'S | BAND ROOM 9115 PRACTICE RMS | C2 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 5 | 2902 | 60 | 871 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 5 | 2031.4 | 30 | 305 | MS-OPS0M2-DV-WH | 5 | | | 0.15 | 566 |
| 95 | SOUTH HS | 1 | ART MUSC 900'S | STORAGE ROOMS 9127 | B1 | 1X4 2L4' T8 32W N/P STRIP | 6 | 2902 | 60 | 1,045 | RETROFIT RPT 1L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 6 | 2902 | 25 | 435 | | | | | 0.21 | 609 |
| 96 | SOUTH HS | 1 | ART MUSC 900'S | RECEIVING/LOADING DOCK | B5 | 1X4 2L4' T12 34W/STD OLD WRAP | 5 | 2902 | 80 | 1,151 | NEW ESI 1X4 28W LED SURFACE WIDE WRAP 35K | 5 | 2902 | 28 | 406 | | | | | 0.25 | 755 |
| 97 | SOUTH HS | 1 | ART MUSC 900'S | CUSTODIAN OFFICE | B5 | 1X4 2L4' T12 34W/STD OLD WRAP | 2 | 2902 | 80 | 454 | NEW ESI 1X4 28W LED SURFACE WIDE WRAP 35K | 2 | 2902 | 28 | 163 | | | | | 0.10 | 302 |
| 98 | SOUTH HS | 1 | ART MUSC 900'S | MECHANICAL RV 9215 STAIR | A1 | 1X3 4L4' T8 32W N/P STRIP | 2 | 2902 | 112 | 650 | RETROFIT RPT 2L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 2 | 2902 | 50 | 290 | | | | | 0.12 | 500 |
| 99 | SOUTH HS | 1 | ART MUSC 900'S | ELEC RMS ACCROSS FROM WOOD SHOP | B1 | 1X4 2L4' T8 32W N/P STRIP | 2 | 2902 | 60 | 348 | RETROFIT RPT 1L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 2 | 2902 | 25 | 145 | | | | | 0.07 | 203 |
| 100 | SOUTH HS | 1 | ART MUSC 900'S | LAB THEATER 9135 STOR RM LOWER | B5 | 1X4 2L4' T12 34W/STD OLD WRAP | 4 | 2902 | 80 | 929 | NEW ESI 1X4 28W LED SURFACE WIDE WRAP 35K | 4 | 2902 | 28 | 325 | | | | | 0.21 | 604 |
| 101 | SOUTH HS | 1 | ART MUSC 900'S | LAB THEATER 9135 HALL | C3 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 1 | 2902 | 88 | 255 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 1 | 2902 | 30 | 87 | | | | | 0.06 | 168 |
| 102 | SOUTH HS | 1 | ART MUSC 900'S | PHOTO SHOP | C3 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 5 | 2902 | 88 | 1,277 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 5 | 2902 | 30 | 348 | | | FCJS-010 | 5 | 0.32 | 929 |
| 103 | SOUTH HS | 1 | ART MUSC 900'S | PHOTO SHOP | C1 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 4 | 2902 | 88 | 1,022 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 4 | 2902 | 30 | 279 | | | FCJS-010 | 4 | 0.25 | 743 |
| 104 | SOUTH HS | 1 | ART MUSC 900'S | PHOTO SHOP | D2 | 2X2 2L4' T8U 31W N/P RECESSED PARABOLIC | 4 | 2902 | 88 | 1,022 | NEW ELITE 2X2 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 4 | 2902 | 30 | 279 | | | FCJS-010 | 4 | 0.25 | 743 |
| 105 | SOUTH HS | 1 | ART MUSC 900'S | PHOTO SHOP STORAGE | C3 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 1 | 2902 | 88 | 255 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 1 | 2031.4 | 30 | 61 | MS-OPS0M2-DV-WH | 1 | | | 0.06 | 194 |
| 106 | SOUTH HS | 1 | ART MUSC 900'S | AUDITORIUM LOBBY OFFICE 9154 | C1 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 4 | 2902 | 88 | 1,022 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 4 | 2031.4 | 30 | 155 | LRF2-OCR2B-P-WH | 1 | FCJS-010 | 4 | 0.26 | 826 |
| 107 | SOUTH HS | 1 | ART MUSC 900'S | TICKET OFFICE 9154 | C1 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 1 | 2902 | 88 | 255 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 1 | 2031.4 | 30 | 61 | MS-OPS0M2-DV-WH | 1 | | | 0.06 | 194 |
| 108 | SOUTH HS | 1 | ART MUSC 900'S | STORAGE ROOMS 9153 & 9157 | B1 | 1X4 2L4' T8 32W N/P STRIP | 2 | 2902 | 60 | 348 | RETROFIT RPT 1L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 2 | 2031.4 | 25 | 102 | MS-OPS0M2-DV-WH | 2 | | | 0.07 | 247 |
| 109 | SOUTH HS | 1 | ART MUSC 900'S | LAB THEATER 9135 UPPER MEZZ | A1 | 1X3 4L4' T8 32W N/P STRIP | 2 | 2902 | 112 | 650 | RETROFIT RPT 2L4' 25W LBI 3500K BYPASS BALLAST (SET TO 25W & 35K) | 2 | 2902 | 50 | 290 | | | | | 0.12 | 360 |
| 110 | SOUTH HS | 1 | ART MUSC 900'S | LAB THEATER 9135 UPPER CONTROL ROOM | C2 | 2X4 2L4' 32W T8N/P RECESSED PARABOLIC | 2 | 2902 | 60 | 348 | NEW ELITE 2X4 32W LED RECESSED FLAT PANEL (SET TO 3000K & 35K) | 2 | 2902 | 30 | 139 | | | FCJS-010 | 2 | 0.07 | 209 |
| 111 | SOUTH HS | 1 | ART MUSC 900'S | LAB THEATER 9135 | I1 | 2L26W CFL RECESSED CAN 8" HC | 3 | 2902 | 54 | 470 | NEW GC 25W HO MULTIFIT DUAL DIM 8" CAN DIM | 3 | 2902 | 25 | 218 | | | | | 0.09 | 252 |



Newton South HS-Remaining Bldg
 140 Brandeis Road
 Newton Centre MA 02459
 William H. Ferguson

ECM - LED Lighting Upgrades

| LOCATION | | | | EXISTING CONDITIONS | | | | | | | PROPOSED CONDITIONS | | | | | | | SENSOR DETAIL | | | | ENERGY SAVINGS | |
|---------------|----------|-------|---------------------------|---------------------|--------------|-------------------------------|------------|----------------|-------|----------------|--|----------|----------------|--------------|-----|----------------|------------|--------------------|----------------|--------------|---------------|----------------|--|
| Line Item | Building | Floor | Room Number / Description | Room Name | Fixture Type | Existing Fixture Type | Fixt Qty | Existing Hours | Watts | kWh | Proposed Fixture Type | Fixt Qty | Proposed Hours | Watts | kWh | Sensor Model # | Sensor Qty | Power Pack Model # | Power Pack Qty | kWh Saved | kWh Saved | | |
| 112 | SOUTH HS | 1 | ART.MUS-C 5000S | LOWER 9138 | B5 | 1X4 2L4' T12 34W/STD OLD WRAP | 4 | 2902 | 80 | 929 | NEW ESI 11X4 28W LED SURFACE WIDE WRAP 35C | 4 | 2902 | 28 | 325 | | | | | 0.21 | 604 | | |
| TOTALS | | | | | | | 639 | | | 142,951 | 639 | | | 42809 | | | 75 | | | 32.57 | 99,912 | | |



Ruthanne Fuller
Mayor

City of Newton, Massachusetts
Office of the Mayor

315-24
Telephone
(617) 796-1100
Fax
(617) 796-1113
TDD/TTY
(617) 796-1089
Email
rfuller@newtonma.gov

August 5, 2024

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

Honorable City Councilors:

I respectfully submit a docket item to your Honorable Council requesting authorization to transfer and expend the sum of two-hundred fifteen-thousand dollars (\$215,000), from Trio mitigation funds, identified in Council Order #96-17, Condition #6 for the purchase and installation of new traffic signal equipment at the Lowell Avenue/Washington Street intersection.

This new traffic signal equipment will facilitate safer and more efficient operation of the intersection and will enable the provision of a dedicated westbound left turn phase from Washington Street on to Lowell Avenue as well as better vehicle detection.

This funding authorization reflects the attached project quote plus a 12.5% contingency.

Thank you for your consideration of this matter.

Sincerely,

Ruthanne Fuller
Mayor



CITY OF NEWTON, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

Ruthanne Fuller, Mayor
James McGonagle
Commissioner of Public Works

Telephone (617) 796-1000
Facsimile (617) 796-1050
E-mail: jmcgonagle@newtonma.gov

To: Jonathan Yeo, Chief Operating Officer
Maureen Lemieux, Chief Financial Officer

From: James McGonagle, Commissioner

Subject: Request for Docket Item for Appropriation of Special Permit Funds

The Department of Public Works (DPW) would like to utilize mitigation funds in the amount of \$215,000 from Trio mitigation funds identified in Council Order #96-17, Condition #6 for the purchase and installation of new traffic signal equipment at the Lowell Avenue/Washington Street intersection. This equipment would include a new signal controller, new signal mast arm, new signal heads, and various other equipment. This new traffic signal equipment will facilitate safer and more efficient operation of the intersection and will enable the provision of a dedicated westbound left turn phase as well as better vehicle detection.

This funding authorization reflects the project quote from Dagle Electrical Construction Corp., the City's on-call traffic signal repair contractor. Dagle's itemized quote (attached) is for \$190,994.50; the City has assumed a contingency fund of approximately \$24,000 (about 12.5 percent) to enable us to address any unforeseen costs (e.g. site conditions, utility challenges, additional equipment requirements, etc.).

Sincerely,

James McGonagle
Commissioner Public Works

cc: Shawna Sullivan, DPW Deputy Commissioner
Ned Codd, P.E., Director of Transportation



Dagle Electrical Construction Corp.

800-379-1459 Fax 781-937-7678 deccorp.com

Headquarters: 68 Industrial Way, Wilmington, MA 01887

North Divisions: 6 Danville Rd, Plaistow, NH 03865

145 River Rd Unit 1, Lewiston ME 04240

Date: 6/17/2024

ESTIMATE ONLY

Owner:

City of Newton
1000 Commonwealth Avenue
Newton Centre, MA 02459-1449

Project: Newton Traffic Signal

Maintenance

Customer Ref: C-4168

WO:

Location:

Intersection: NEWTON WASHINGTON ST AT LOWELL AVE

Project Description:

TAKE A TEST BORING INSTALL NEW MAST ARM FOUNDATION DELIVER MAST ARM BUILD AND MOUNT ASTRO HARDWARE ON NEW ARM AND WIRE MAST ARM INSTALL NEW MAST ARM PULL NEW CAMERA CABLE TO NEW MAST ARM REMOVE EXISTING SIGNALS AND OLD MAST ARM INSTALL NEW SIGNALS AND CAMERA AND INSTALL OLD SIGNALS ON NEW MAST ARM SHAFTT BRAKE OUT OLD MAST ARM FOUNDATION INSTALL HANDHOLE FRAME AND COVER INSTALL NEW CABINET ASSY EXCLUDED REPAIR IF ANY BLOCKED OR BROKEN CONDUITS

| Item | Quantity | Unit | Price | Charges |
|---|----------|------|--------------|--------------|
| Electrician | 280 | HRLY | \$ 106.00 | \$ 29,680.00 |
| Civil Crew | 40 | HRLY | \$ 325.00 | \$ 13,000.00 |
| Crane | 20 | HRLY | \$ 95.00 | \$ 1,900.00 |
| 40 ft MAST ARM FOREST GREEN | 1 | EA | \$ 35,000.00 | \$ 35,000.00 |
| Traffic Cable 7 Conductor for Mast Arm | 230 | FT | \$ 0.95 | \$ 218.50 |
| Misc Conduit | 1 | LS | \$ 150.00 | \$ 150.00 |
| SINGLE POINT CAMERA | 1 | EA | \$ 18,590.00 | \$ 18,590.00 |
| FIELD MONITORING UNIT | 1 | EA | \$ 9,085.00 | \$ 9,085.00 |
| Type TS2TY1 EL702 M Cabinet ASSY/w Opticom Equipment | 1 | EA | \$ 29,700.00 | \$ 29,700.00 |
| MAST ARM FOUNDATION | 1 | EA | \$ 18,500.00 | \$ 18,500.00 |
| TEST BORING | 1 | EA | \$ 3,500.00 | \$ 3,500.00 |
| METER SOCKET ASSY | 1 | EA | \$ 386.00 | \$ 386.00 |
| 12 Inch x 12 Inch Pull Box | 1 | EA | \$ 650.00 | \$ 650.00 |
| Traffic Signal Metal Base Octagonal or Square (Color=Green) | 5 | EA | \$ 384.00 | \$ 1,920.00 |
| Traffic Signal Post (8' or 10') (Color=Green) | 5 | EA | \$ 520.00 | \$ 2,600.00 |
| 12" Vehicle Signal Section (Color=Green) | 20 | EA | \$ 115.00 | \$ 2,300.00 |
| 16" Pedestrian Signal Section (Color=Green) + LED Bimodal Hand/ | 8 | EA | \$ 725.00 | \$ 5,800.00 |
| Post Top Mounting - 1-Way (Color=Green) | 4 | EA | \$ 95.00 | \$ 380.00 |
| Post Top Mounting - 2-Way (Color=Green) | 1 | EA | \$ 705.00 | \$ 705.00 |
| Upper and Lower Assembly Iron w/ Hub Plates | 7 | EA | \$ 185.00 | \$ 1,295.00 |
| 1-Way Band Mount | 4 | EA | \$ 150.00 | \$ 600.00 |
| Traffic cable 20 Conductor | 500 | FT | \$ 5.50 | \$ 2,750.00 |
| 5-Section Cluster | 1 | EA | \$ 425.00 | \$ 425.00 |
| 5-Section Backplate/Boarder | 1 | EA | \$ 325.00 | \$ 325.00 |
| 3-Section Backplate/Boarder | 9 | EA | \$ 225.00 | \$ 2,025.00 |
| 4-Section Backplate/Boarder | 1 | EA | \$ 275.00 | \$ 275.00 |
| EZ Communicator Navigator APS Pedestrian Push Button | 6 | EA | \$ 925.00 | \$ 5,550.00 |
| Ground Wire | 500 | FT | \$ 1.25 | \$ 625.00 |
| 12" LED Red Arrow or Circular Indication | 11 | EA | \$ 85.00 | \$ 935.00 |
| 12" LED Yellow Arrow or Circular Indication | 12 | EA | \$ 85.00 | \$ 1,020.00 |
| 12" LED Green Arrow or Circular Indication | 13 | EA | \$ 85.00 | \$ 1,105.00 |

315-24

Labor: \$ 42,680.00

Police: \$ -

Equipment: \$ 1,900.00

Materials: \$ 146,414.50

0.00% Contract Material Mark up: \$ -

Total: \$ 190,994.50

*Quote is based on current information from client about the project requirements. Actual cost may vary once project elements are finalized or negotiated. Quotes are good for 30 days from date of Quote.



Ruthanne Fuller
Mayor

City of Newton, Massachusetts
Office of the Mayor

318-24
Telephone
(617) 796-1100
Fax
(617) 796-1113
TDD/TTY
(617) 796-1089
Email
rfuller@newtonma.gov

August 5, 2024

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

Honorable City Councilors:

I respectfully submit a docket item to your Honorable Council requesting authorization to borrow four-million four-hundred three-thousand dollars (\$4,403,000) in an interest free loan, payable in 1/10 installments over 10 years, from the Massachusetts Water Resources Authority (MWRA) Sewer Infiltration/Inflow Local Financial Assistance Program Phase 15, loan program for the design and construction of Sewer CIP Project 10.

Sewer CIP Project 10 Rehabilitations will include construction of "Trenchless" and "Excavate and Replace" rehabilitations to eliminate sewer/underdrain cross connections and to eliminate infiltration from the sanitary sewer system. The project includes areas of Newton Highlands, Newton Corner, Newton Centre and Waban.

For more detail, please see the additional documentation provided, including the docket request letter by Public Works Commissioner McGonagle.

Thank you for your consideration of this matter.

Sincerely,

Ruthanne Fuller
Mayor



CITY OF NEWTON, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

Ruthanne Fuller, Mayor
James McGonagle
Commissioner of Public Works

Telephone (617) 796-1009
E-mail: Jmcgonagle@newtonma.gov

Date: July 12, 2024

To: Jonathan Yeo, Chief Operating Officer
Maureen Lemieux, Chief Financial Officer

From: James McGonagle, Commissioner

Subject: Docket Request for MWRA Sewer Funds Borrowing Authorization
MWRA Sewer Infiltration/Inflow Local Financial Assistance Program, Phase 15

I respectfully request a docket item be submitted for an authorization to borrow a loan from the Massachusetts Water Resources Authority (MWRA), as follows:

- A loan of \$4,403,000 from the MWRA, payable in 1/10 installments over 10 years.

This is part of an MWRA interest free Phase 15 loan program. A grant is not available for this Phase 15 program. This proposed borrowing will allow Public Works to implement a portion of the sewer improvements as outlined in the 5-year Capital Improvement Plan as follows.

Sewer CIP Project 10 Design and Construction

Sewer CIP Project 10 Rehabilitations will include construction of "Trenchless" and "Excavate and Replace" rehabilitations to eliminate sewer/underdrain cross connections and to eliminate infiltration from the sanitary sewer system. These projects will be constructed to reduce sewer infiltration and inflow sources and provide improvement to existing sewer structures. The objective of this project is to construct sanitary sewer rehabilitations that will eliminate infiltration and inflow to the sanitary sewer system, eliminate sanitary sewer contamination to the underdrain system, and repair underdrain access points that are contributing infiltration to the sanitary sewer system. The design of this sewer project area will be completed this year.

Pending your approval, the Treasurer will submit a request to Bond Council which will be provided to the Clerk's Office for inclusion as a docket item to the Honorable City Council.

cc: Steve Curley, Comptroller
Ron Mendes, Treasurer
Shawna Sullivan, Deputy Commissioner DPW
Louis M. Taverna, P.E., City Engineer
Thomas Fitzgerald, Director of Utilities
Doug Valovcin, Deputy Director of Utilities
Coleman Flaherty, DPW Finance Director



Ruthanne Fuller
Mayor

City of Newton, Massachusetts
Office of the Mayor

319-24
Telephone
(617) 796-1100
Fax
(617) 796-1113
TDD/TTY
(617) 796-1089
Email
rfuller@newtonma.gov

July 29, 2024

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

Councilors:

I respectfully submit a docket item to your Honorable Council requesting authorization to borrow one-million nine-hundred fifty-seven thousand three-hundred dollars (\$1,957,300) in an interest free loan, payable in 1/10 installments over 10 years, from the Massachusetts Water Resources Authority (MWRA) Phase 4 water loan program.

This proposed borrowing will allow Public Works to implement a portion of the water main improvements as outlined in the 5-year Capital Improvement plan. Upgrading our water system will ensure the delivery of superior water quality through pipe replacement and cleaning and lining projects. For more detail, please see the additional documentation provided, including the docket request letter by Public Works Commissioner McGonagle.

Thank you for your consideration of this matter.

Sincerely,

Ruthanne Fuller
Mayor



CITY OF NEWTON, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

Ruthanne Fuller, Mayor
James McGonagle
Commissioner of Public Works

Telephone (617) 796-1009
E-mail: Jmcgonagle@newtonma.gov

Date: July 12, 2024

To: Jonathan Yeo, Chief Operating Officer
Maureen Lemieux, Chief Financial Officer

From: James McGonagle, Commissioner

Subject: Request for Water Funds Borrowing Authorization, \$19,573,000
MWRA Local Water System Assistance Program Phase 4

I respectfully request an authorization to borrow up to \$19,573,000 in interest free loans from the Massachusetts Water Resources Authority (MWRA) Phase 4 water loan program. In June 2024, the MWRA initiated another 10-year water loan program, called the Local Water System Assistance Program Phase 4. Newton is authorized to borrow up to \$1,957,300 per year in interest free 10-year loans, for a total of \$19,573,000. Yearly loans are paid in 10 equal installments annually. This new program will extend from 2024 to 2034.

This proposed borrowing will allow Public Works to implement a portion of the water main improvements as outlined in the 5-year Capital Improvement plan. Upgrading our water system will ensure the delivery of superior water quality through pipe replacement and cleaning and lining projects.

Since 1998, the City has participated in the MWRA's Local Water Pipeline Assistance Program. Total borrowing by Newton is \$25,860,190 in interest free loans in MWRA's Phase 1, \$13,602,000 in Phase 2, and \$20,837,000 in Phase 3. The current Phase 3 program for Newton will end in 2032.

Newton has approximately 319 miles of public water supply pipeline. Approximately 184 miles of our water mains are now lined. The City has approximately 135 miles of unlined water pipe remaining to be rehabilitated (42%). Through the use of a sophisticated Hydraulic Model, our water projects have been and will continue to be prioritized and planned based on age and hydraulic capacity. Through this borrowing authority, an additional 19 miles of water main will be rehabilitated over the next 10 years.

Pending your approval, the Treasurer will submit a request to Bond Council which will be provided to the Clerk's Office for inclusion as a docket item to the Honorable City Council.

cc: Steve Curley, Comptroller
Ron Mendes, Treasurer
Shawna Sullivan, Deputy Commissioner DPW
Louis M. Taverna, P.E., City Engineer
Thomas Fitzgerald, Director of Utilities
Doug Valovcin, Deputy Director of Utilities
Coleman Flaherty, DPW Finance Director