

PERFORMANCE CONTRACT

This Performance Contract (this "Agreement") is made this ____ day of _____, 2023 between:

PARTIES

JOHNSON CONTROLS, INC. ("JCI")
6 AERIAL WAY
SYOSSET, NY 11791

and

MANHASSET PUBLIC SCHOOLS ("Customer")
200 MEMORIAL PLACE
MANHASSET, NY 11030

RECITALS

WHEREAS, Customer desires to retain JCI to perform the work specified in Schedule 1 (Scope of Work) hereto (the "Work") relating to the installation of the Energy Conservation Measures ("ECMs") and improvement measures (collectively, the "Improvement Measures") described therein; and

WHEREAS, Customer is authorized and empowered under applicable Laws (as defined below) to enter into this Agreement, and has taken all necessary action under applicable Laws to enter into this Agreement; and

WHEREAS, Customer has selected JCI to perform the Work after it determined JCI's proposal was the most advantageous to Customer in accordance with all applicable procurement and other Laws.

NOW, THEREFORE, in consideration of the mutual promises set forth herein, the parties agree as follows:

AGREEMENT

1. SCOPE OF THE AGREEMENT. JCI shall perform the Work set forth in Schedule 1, which will result in Project Benefits as set forth in the Assured Performance Guarantee. JCI shall provide construction, supervision, inspection, labor, materials, tools, design, construction management, construction equipment, installation and subcontracted items necessary for the execution and completion of the Work. JCI shall pay for the architectural/engineering services necessary for the execution and completion of the Work as part of the total cost to be paid by the Customer. After the Work is Substantially Complete (as defined below) and the Certificate of Substantial Completion is executed by Customer, John A. Grillo Architect PC ("JAG" or "Architect/Engineer" of Record) (as defined below in paragraph 3) and JCI, JCI shall provide the assured performance guarantee (the "Assured Performance Guarantee") and the measurement and verification services (the "M&V Services") set forth in Schedule 2 (Assured Performance Guarantee). Customer shall make payments to JCI for the Work and the M&V Services in accordance with Schedule 4 (Price and Payment Terms). JCI shall supervise, direct and inspect the Work and M&V Services and shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work and M&V Services under this Agreement. JCI shall be responsible for all labor, materials, equipment, tools, design, construction management, construction equipment and machinery, installation, subcontracted items, transportation, and other facilities and services necessary for the proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work and M&V Services.

- 2. AGREEMENT DOCUMENTS:** In addition to the terms and conditions of this Agreement, the following Schedules are incorporated into and shall be deemed an integral part of this Agreement:

Schedule 1 – Scope of Work
Schedule 2 – Assured Performance Guarantee
Schedule 3 – Customer Responsibilities
Schedule 4 – Price and Payment Terms
Attachment 1 – Notice to Proceed
Attachment 2 – Change Order
Attachment 3 – Certificate of Substantial Completion; Certificate of Final Completion
Attachment 4 – Lighting Line by line (Manhasset School District Rev H (1-12-23))

In addition, the Customer's RFP for a District-Wide Energy Project – Phase 2 and JCI's response to said RFP with all addenda and mutually agreed upon modifications are incorporated into and shall be deemed part of this Agreement. In the event of a conflict between the terms of this Agreement and the terms of the RFP, the terms of this Agreement shall control.

- 3. ARCHITECT/ENGINEER OF RECORD; CONSTRUCTION MANAGER.** The Customer has identified JAG as the certified Architect/Engineer of Record to provide architectural/engineering services in connection with the Work to be performed by JCI ("Architectural/Engineering Services"). The fees and total compensation for such Architectural/Engineering Services shall be \$360,345 and are the sole responsibility of JCI. Both JCI and Customer agree and acknowledge that the JAG owes its/his/her professional obligations and duties, including duties of care, to JCI and the Customer. The Architect/Engineer shall remain free from any financial interest in the Agreement which conflicts with the proper completion of its/his/her responsibilities under this Agreement and which conflicts with its/his/her responsibilities and duties to the Customer. The Customer has identified School Construction Consultants, Inc. ("SCC") as the Construction Manager. The fees and total compensation for the Construction Manager shall be \$28,105 and are the sole responsibility of JCI.
- 4. NOTICE TO PROCEED; SUBSTANTIAL COMPLETION; M&V SERVICES.** This Agreement shall become effective on the date of the last signature on the signature page below. Pursuant to 8 NYCRR §155.20, this Agreement is subject to the approval of the Commissioner of Education of the State of New York and the issuance of a building permit by the New York State Education Department ("NYSED"). Prior to submission of this Agreement to NYSED for approval, JCI shall validate each ECM with the Customer and obtain final approval of the guaranteed energy cost savings numbers as outlined herein and as set forth in Schedule 2. Customer shall diligently pursue financing and shall endeavor to obtain such financing within ninety (90) days following NYSED approval. After receipt of written approval from NYSED, and after Customer has secured financing in accordance with this Agreement, the Customer shall issue a Notice to Proceed, a form of which is attached hereto as Attachment 1 and which is in a form acceptable to NYSED. In the event that the Notice to Proceed is not issued within ninety (90) days of NYSED approval, JCI may adjust the contract price. The parties shall execute an amendment to this Agreement to document the new contract price. JCI shall commence performance of the Work within ten (10) business days of receipt of Customer's Notice to Proceed, and shall achieve Substantial Completion of the Work by the Substantial Completion date, which shall be the date on which Customer and JAG execute a Certificate of Substantial Completion substantially in the form attached hereto as Attachment 3.

For purposes of this Agreement, "Substantial Completion" shall be achieved when JCI has provided sufficient materials and services to permit Customer to operate all of the Improvement Measures and when the following items are completed by JCI and approved by Customer and the Architect/Engineer:

- a. A written acknowledgement by the Customer that the Improvement Measures have been installed by JCI and completed to the satisfaction of the Customer and the Architect/Engineer;
- b. A written acknowledgment by the Customer of receipt of manuals and training provided by JCI under the Agreement;
- c. A written acknowledgement by the Customer of the warranty start date and warranty period;
- d. The receipt of a punch list of items remaining to be completed by JCI; and
- e. A written acknowledgement by the Customer of receipt of warranties, release of liens, and proof of payment to subcontractors.

The M&V Services shall commence on the first day of the month following the month in which Customer executes a Certificate of Substantial Completion and shall continue throughout the M&V Services Period, subject to earlier termination of the Assured Performance Guarantee as provided herein. Customer acknowledges and agrees that if, for any reason, it (i) cancels or terminates receipt of M&V Services other than for breach of this Agreement, (ii) fails to pay for M&V Services in accordance with Schedule 4, after written notice thereof to Customer and a thirty (30) day period to cure, (iii) fails to fulfill any of Customer's responsibilities necessary to enable JCI to complete the Work and provide the M&V Services, after written notice thereof to Customer and a thirty (30) day period to cure, or (iv) otherwise cancels, terminates or materially breaches this Agreement, the Assured Performance Guarantee shall automatically terminate.

- 5. DELAYS AND IMPACTS.** If JCI is delayed in the commencement, performance, or completion of the Work and/or M&V Services by causes beyond its control and without its fault, including but not limited to inability to access property; concealed or unknown conditions encountered at the project, differing from the conditions represented by Customer in the bid documents or otherwise disclosed by Customer to JCI prior to the commencement of the Work; a Force Majeure (as defined below) condition; failure by Customer to perform its material obligations under this Agreement; or failure by Customer to reasonably cooperate with JCI in the timely completion of the Work, JCI shall provide written notice to Customer of the existence, extent of, and reason for such delays and impacts. Under such circumstances, an equitable adjustment in the time for performance and any equitable monetary adjustment shall be made, subject to the mutual written agreement of the parties.
- 6. ACCESS.** Customer shall provide JCI, its subcontractors, and its agents reasonable and safe access to all facilities and properties in Customer's control that are subject to the Work and M&V Services. JCI and Customer shall mutually agree on a project schedule, which schedule shall not interfere with instruction or student events. Customer further agrees to assist JCI, its subcontractors, and its agents to gain access to facilities and properties that are not controlled by Customer but are necessary for JCI to complete the Work and provide the M&V Services. An equitable adjustment in the time for performance, price and payment terms, and Assured Performance Guarantee shall be made as a result of any unreasonable failure to grant such access, subject to the mutual written agreement of the parties.
- 7. PERMITS, TAXES, AND FEES.** Unless otherwise specified in Schedule 3 (Customer Responsibilities), JCI shall be responsible for obtaining all building permits and paying all related permit fees associated with the Work and M&V Services. JCI shall pay any applicable sales, consumer, use, and other similar taxes and shall secure and pay for the building permit and other permits and governmental fees, licenses, and inspections necessary for proper execution of the Work. Unless otherwise specified in Schedule 1 (Scope of Work), Customer shall be responsible for securing any necessary approvals, easements or assessments required for the Work or the ownership and use of the Improvement Measures. JCI shall not be obligated to provide any changes to or improvement of the facilities or any portion thereof required under any applicable building, fire, safety, sprinkler or other applicable code, standard, law, regulation, ordinance or other requirement unless the same expressly regulates the installation of the Improvement Measures. Without limiting the foregoing, JCI's obligations with respect to the Work are not intended to encompass any changes or improvements that relate to any compliance matters (whether known or unknown) that are not directly related to the installation of the Improvement Measures or which have been imposed or enforced because of the occasion or opportunity of review by any governmental authority. Customer shall be responsible for and shall pay when due all assessments, charges and sales, use, property, excise, or other taxes now or hereafter imposed by any governmental body or agency upon the provision of the Work or the M&V Services, implementation or presence of the Improvement Measures, the use of the Improvement Measures or payments due to JCI under this Agreement, to the extent applicable.
- 8. WARRANTY.** JCI warrants that the design, engineering (outside of the scope of Architect/Engineering Services), and installation services it performs will be performed consistent with good engineering practices and that such work is warranted to be free from defects in materials and workmanship for a period of (2) years from the date of execution of the Certificate of Substantial Completion by the School District with respect to Substantial Completion. Any manufacturers' warranties which exceed this two (2) year period shall be assigned to School District to the extent allowed by the manufacturer. JCI will perform the Work in a professional, workman-like manner. JCI will promptly re-perform any non-conforming Work for no charge, as long as Customer provides written notice to JCI within two (2) years following Substantial Completion or such other period identified in Schedule 1. If JCI installs or furnishes goods or equipment under this Agreement, and such goods or equipment are covered by an end-user warranty from their manufacturer, JCI will transfer the benefits of such warranty to Customer. JCI warrants that the Work shall be free from defects in material and workmanship arising from normal

usage for a period of two years from the date of Substantial Completion. Upon written notice from the Customer, JCI shall, at its option, promptly repair or replace any defective Work or re-perform defective Services to the reasonable satisfaction of the Customer. The foregoing remedy with respect to the Work, together with any remedy provided by goods or equipment manufacturers, shall be Customer's sole and exclusive remedies for warranty claims. Customer agrees that the two (2) year period following Substantial Completion, or such other period identified in Schedule 1, shall be a reasonable time for purposes of submitting valid warranty claims with respect to the Work. These exclusive remedies shall not have failed of their essential purpose so long as JCI transfers the benefits of any goods or equipment end-user warranty to Customer and remains willing to re-perform any non-conforming Work for no charge within the two (2) year period described above or such other period identified in Schedule 1. NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE PROVIDED BY JCI. JCI does not guaranty that any Improvement Measures will perform in accordance with the manufacturer's specifications over the term of this Agreement, other than with respect to the limited warranty applicable to equipment actually manufactured by JCI, or if the performance failure is related to defects in materials or JCI's workmanship, each as described above. Customer's sole remedy for failed or non-performing Improvement Measures not related to defects in materials or JCI's workmanship, each as described above, is to pursue claims under any manufacturer's warranty claims then in effect. This warranty does not extend to any Work that has been abused, altered, or misused, or repaired by Customer or third parties without the supervision or prior written approval of JCI. Except with respect to goods or equipment manufactured by JCI and furnished to Customer hereunder, for which JCI shall provide its express written manufacturer's warranty, JCI shall not be considered a merchant or vendor of goods or equipment.

- 9. CLEANUP.** JCI shall keep the premises and the surrounding area safe and free from accumulation of waste materials or rubbish caused by the Work on a daily basis and, upon completion of the Work, JCI shall remove all waste materials, rubbish, tools, construction equipment, machinery, and surplus materials and shall dispose of them in accordance with applicable law, and shall clean up the Work, including any dust from the materials, and surrounding areas to the reasonable satisfaction of the Customer in a timely manner and shall dispose of them in accordance with applicable law. In the event that JCI fails to clean up the Work and the surrounding areas, upon seven (7) days' written notice to JCI, the Customer will have the same cleaned. All reasonable costs associated with such clean up shall be back charged to JCI.
- 10. SAFETY; COMPLIANCE WITH LAWS.** JCI shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Work and M&V Services. JCI shall comply with all applicable Federal, New York State and/or local municipal laws, ordinances, rules, regulations, and lawful orders of public authorities (collectively, "Laws") in connection with its performance hereunder, including but not limited to 8 NYCRR 155.2, 155.5 and 155.20.
- 11. ASBESTOS-CONTAINING MATERIALS AND OTHER HAZARDOUS MATERIALS.**

JCI has the obligation to determine if hazardous materials/wastes will be disturbed or handled/disposed of in performing the project. Hazardous materials/wastes include, but are not limited, to asbestos, lead paint, mercury and PCBs. If hazardous materials/wastes must be disturbed, removed and/or remediated and/or disposed of, JCI must advise the Customer beforehand and perform such activities in accordance with all federal and State regulations. A copy of the AHERA 3-year Reinspection, Management Plan will be made available upon request, for use as a guide to ACBM in the various buildings.

Asbestos-Containing Materials: Neither party desires to or is licensed to undertake direct obligations relating to the identification, abatement, cleanup, control, removal or disposal of asbestos-containing materials ("ACM"), unless otherwise specified in Schedule 1. Consistent with applicable Laws, Customer shall supply JCI with any information in its possession relating to the presence of ACM in areas where JCI undertakes any Work or M&V Services that may result in the disturbance of ACM. If either Customer or JCI becomes aware of or suspects the presence of ACM that may be disturbed by JCI's Work or M&V Services, unless otherwise specified in Schedule 1, it shall promptly stop the Work or M&V Services in the affected area and notify the other. Unless otherwise specified in Schedule 1, as between Customer and JCI, Customer shall be responsible at its sole expense for addressing the potential for or the presence of ACM in conformance with all applicable Laws and addressing the impact of its disturbance before JCI continues with its Work or M&V Services, unless JCI had actual knowledge that ACM was present and acted with intentional disregard of that knowledge, in which case (i) JCI shall be

responsible at its sole expense for remediating areas impacted by the disturbance of the ACM, and (ii) Customer shall resume its responsibilities for the ACM after JCI's remediation has been completed.

Other Hazardous Materials: JCI shall be responsible for removing or disposing of any Hazardous Materials (as defined below) that it uses in providing Work or M&V Services ("JCI Hazardous Materials") and for the remediation of any areas impacted by the release of JCI Hazardous Materials. For other Hazardous Materials that may be otherwise present at Customer's facilities ("Non-JCI Hazardous Materials"), Customer shall supply JCI with any information in its possession relating to the presence of such materials if their presence may affect JCI's performance of the Work or M&V Services. If either Customer or JCI becomes aware of or suspects the presence of Non-JCI Hazardous Materials that may interfere with JCI's Work or M&V Services, it shall promptly stop the Work or M&V Services in the affected area and notify the other. Unless otherwise specified in Schedule 1, as between Customer and JCI, Customer shall be responsible at its sole expense for removing and disposing of Non-JCI Hazardous Materials from its facilities and the remediation of any areas impacted by the release of Non-JCI Hazardous Materials, unless JCI had actual knowledge that Non-JCI Hazardous Materials were present and acted with intentional disregard of that knowledge, in which case (i) JCI shall be responsible at its sole expense for the remediation of any areas impacted by its release of such Non-JCI Hazardous Materials, and (ii) Customer shall remain responsible at its sole expense for the removal of Non-JCI Hazardous Materials that have not been released and for releases not resulting from JCI's performance of the Work or M&V Services. For purposes of this Agreement, "Hazardous Materials" means any material or substance that, whether by its nature or use, is now or hereafter defined or regulated as a hazardous waste, hazardous substance, pollutant or contaminant under applicable Law relating to or addressing public or employee health and safety and protection of the environment, or which is toxic, explosive, corrosive, flammable, radioactive, carcinogenic, mutagenic or otherwise hazardous or which is or contains petroleum, gasoline, diesel, fuel, another petroleum hydrocarbon product, or polychlorinated biphenyls. "Hazardous Materials" specifically includes mold and lead-based paint and specifically excludes ACM.

12. CHANGE ORDERS. The parties, without invalidating this Agreement, may request changes in the Work to be performed under this Agreement, consisting of additions, deletions, or other revisions to the Work ("Change Orders"). The price and payment terms, time for performance and, if necessary, the Assured Performance Guarantee, shall be equitably adjusted in accordance with the Change Order. Such adjustments shall be determined by mutual agreement of the parties. Any contract changes must be submitted, together with all supporting documentation to the NYSED for review and approval. All Change Orders shall be subject to the availability of funds and the prior written approval of the Customer, the Architect/Engineer, NYSED and, if necessary, leasing company. Any Change Order will not be considered effective until it is signed by an authorized representative of each party and the Architect/Engineer. JCI may delay performance of Work subject to the Change Order until adjustments arising out of the Change Order are clarified and agreed upon. If concealed or unknown conditions are encountered at the project, differing from the conditions represented by Customer in the bid documents or from those conditions ordinarily found to exist and generally recognized as inherent in construction activities of the character covered under this Agreement, or otherwise disclosed by Customer to JCI prior to the commencement of the Work, price and payment terms, time for performance and, if necessary, the Assured Performance Guarantee, may be equitably adjusted subject to the availability of funds and written approval of the Customer's Board of Education, the Architect/Engineer and NYSED. Claims for equitable adjustment may be asserted in writing within a reasonable time, but no later than twenty (20) days, from the date a party becomes aware of a change to the Work by written notification. Failure to promptly assert a request for equitable adjustment, however, shall not constitute a waiver of any rights to seek any equitable adjustment with respect to such change.

13. TREATMENT; TAXES. The parties acknowledge and agree that JCI is not making any representation or warranty to Customer with respect to matters not expressly addressed in this Agreement, including, but not limited to:

- (a) Customer's ability to obtain or make payments on any financing associated with paying for the Improvement Measures, related services, or otherwise;
- (b) Customer's proper legal, tax, accounting, or credit rating agency treatment relating to this Agreement; and
- (c) the necessity of Customer to raise taxes or seek additional funding for any purpose.

Customer is solely responsible for its obligations and determinations with respect to the foregoing matters. In addition, the parties acknowledge and agree that Customer shall be responsible to comply, at its cost and expense, with all Laws that may be applicable to it relating to performance contracting, including, without limitation, any requirements relating to the procurement of goods and/or services and any legal, accounting, or engineering opinions or reviews required or obtained in connection with this Agreement.

14. INSURANCE. JCI shall maintain insurance in amounts no less than those set forth below and in the Customer's RFP, whichever is greater, in full force and effect at all times until the Work has been completed and shall provide a certificate evidencing such coverage promptly to Customer prior to commencing work hereunder.

COVERAGE	LIMITATIONS OF LIABILITY
Workers' Compensation Coverage	Statutory
Extensions	Voluntary compensation All states coverage employers Employers' liability – unlimited
Commercial General and Umbrella Liability: Coverage	Occurrence using ISO occurrence Form CG 00 01 07 98 or later form
Limits per Project	General Aggregate - \$2,000,000.00 on a per-project basis Products - Completed/Operations - \$2,000,000.00 Personal & Advertising Injury - \$1,000,000.00 Each Occurrence - \$1,000,000.00 Fire Damage (any one fire) - \$100,000.00 Medical Expenses (any one person) - \$10,000.00 Umbrella - \$10,000,000.00. Umbrella coverage must be on a follow form basis
Installation Floater	Amount sufficient to repair or replace the equipment and machinery installed by JCI, such amount to be approved by the Customer
Automobile Liability (all vehicles hired or non-hired)	\$1,000,000 per accident \$1,000,000 per occurrence/\$2,000,000 aggregate

The Contractor shall require the Engineer selected by the Customer and compensated by the Contractor, to maintain the following minimum insurance coverage:

The Engineer shall maintain professional liability insurance (errors and omissions) in an amount no less than \$2,000,000, worker's compensation in amounts required by law, and general liability insurance (including owned, non-owned, and hired motor vehicles) in a single limit amount of no less than \$1,000,000.

JCI shall name the Customer, its officers, employees and agents, as an additional insured on a primary and non-contributory basis under its general liability insurance, auto and umbrella policy with respect to liability arising out of operations performed for them by or on behalf of JCI, and shall comply with all other insurance requirements set forth in Customer's RFP specifications, provided that requirements related to hazardous materials shall only apply to JCI's subcontractors engaged to perform abatement work, to the extent applicable.

- 15. INDEMNIFICATION.** To the fullest extent permitted by applicable Law, JCI agrees to defend and indemnify Customer, its officers, agents and employees, for third party claims, liabilities, actions, judgments, losses, costs, damages or expenses (including reasonable attorneys' fees), suits, actions or damages ("Claims") arising by reason of bodily injury, death or damage to property to the extent caused by the negligence, misconduct or wrongful act of JCI, its officers, agents, subcontractors or employees. A condition precedent to the obligation of JCI to indemnify the Customer pursuant to this Section 15 shall be for the Customer to promptly advise JCI of the claim pursuant to the notice provision of this Agreement. JCI shall defend, indemnify and hold harmless the Customer, its employees, agents, and assigns against all Claims arising out of or related to any claims of patent infringement and any claims of construction or materialman's lien made by any subcontractor or materialman (provided JCI has been paid all undisputed amounts due and payable as of the date of such claim). With respect to claims of patent infringement, JCI, at its option, shall have the right to: i) make the product non-infringing, ii) replace the infringing product; or (iii) on return of the equipment JCI refund amounts actually paid by the Customer to JCI for the product, less depreciation over a three (3) year period. JCI shall not be liable for claims arising from (i) misuse or modification of the product by Customer or its employees or agents, (ii) use of the product in combination with other materials, goods, products, or services for which the product was not intended to be used (as demonstrated by JCI's applicable product literature), (iii) failure of Customer to implement any update provided by JCI that would have prevented the claim, (iv) product that JCI made to Customer's specifications or designs, (v) product that is not manufactured by JCI, (iv) or claims with respect to third party hardware, software or services. In the event of a conflict between the Indemnification provisions in the RFP and this Section 15, this provision shall control.
- 16. LIMITATION OF LIABILITY.** WITHOUT LIMITING JCI'S EXPRESS OBLIGATIONS UNDER THE ASSURED PERFORMANCE GUARANTEE, NEITHER JCI NOR CUSTOMER WILL BE RESPONSIBLE TO THE OTHER FOR ANY SPECIAL, INDIRECT, CONSEQUENTIAL, REMOTE, PUNITIVE, EXEMPLARY, LOSS OF PROFITS OR REVENUE, LOSS OF USE, OR SIMILAR DAMAGES, REGARDLESS OF HOW CHARACTERIZED AND REGARDLESS OF A PARTY HAVING BEEN ADVISED OF THE POSSIBILITY OF SUCH POTENTIAL LOSSES OR RELIEF, ARISING IN ANY MANNER FROM THIS AGREEMENT, THE WORK, THE IMPROVEMENT MEASURES, THE PREMISES, THE M&V SERVICES, OR OTHERWISE. WITHOUT LIMITING JCI'S EXPRESS OBLIGATIONS UNDER THE ASSURED PERFORMANCE GUARANTEE, JCI'S LIABILITY UNDER THIS AGREEMENT, REGARDLESS OF THE FORM OF ACTION, SHALL IN NO EVENT EXCEED THE TOTAL CONTRACT PRICE SET FORTH ON SCHEDULE 4. If this Agreement covers fire safety or security equipment, Customer understands that JCI is not an insurer regarding those services, and that JCI shall not be responsible for any damage or loss that may result from fire safety or security equipment that fails to prevent a casualty loss. The foregoing waivers and limitations are fundamental elements of the basis for this Agreement between JCI and Customer, and each party acknowledges that JCI would not be able to provide the Work and Services contemplated by this Agreement on an economic basis in the absence of such waivers and limitations, and would not have entered into this Agreement without such waivers and limitations.
- 17. PAYMENT AND PERFORMANCE BOND.** JCI shall, prior to the commencement of construction, deliver to the Customer Performance and Payment Bonds in a sum equal to the contract amount with sureties licensed by the State of New York and satisfactory to the Customer, conditioned upon the faithful performance by JCI, for the implementation of the ECMs, such bonds to be in such form of AIA Document A312, and shall contain such provisions as are reasonably satisfactory to the Customer. JCI shall deliver to School District the Payment and Performance Bond promptly upon School District's issuance of a Notice to Proceed. A rider including the following provisions shall be attached to each Bond.
- a. Surety hereby agrees that it consents to and waives notice of any addition, alteration, omission, change, or other modification of the Contract Documents, or other modification of the Contract Documents, or a forbearance on the part of either the Owner or the Energy Performance Contractor to the other, shall not release the Surety of its obligations hereunder and notice to the Surety of such matter is hereby waived.
 - b. Surety further agrees that in the event of any default by the Owner in the performance of the Owner's obligations to the Energy Performance Contractor under the Contract, the Energy Performance Contractor or Surety shall cause written notice of such default (specifying said default in detail) to be given to the Owner, and the Owner shall have thirty (30) days after receipt of such notice within which to cure such default, or such additional reasonable period of time as may be required if the nature of such default is such that it cannot be cured within thirty (30) days. Such Notice of Default shall be sent by

certified or registered U.S. Mail, return receipt requested, first class postage prepaid, to Lender and the Owner.

18. REVIEW BY THE NEW YORK STATE EDUCATION DEPARTMENT/APPROVAL OF CONTRACT. JCI and Customer acknowledge that this Agreement is subject to 8 NYCRR 155.20 and, as such, requires the approval of the Commissioner of Education of the State of New York. This Agreement shall not be executory until Commissioner's approval is obtained in writing. The Customer's obligations within this Agreement are contingent upon and subject to prior review and written approval of NYSED, pursuant to the laws and regulations of the State of New York and are also contingent upon and subject to the Customer's securing of financing, terms and conditions of financing and other means of payment acceptable to Customer in its sole discretion. In the event approval of said financing and other means of payment has not been secured by the Customer within 180 days after NYSED approval, then this Agreement shall terminate with no further obligation of Customer or JCI or any other party. This Agreement may be extended beyond the 180 days if such extension is in writing signed by both parties. Upon receiving NYSED approval and building permits, the cash flow for the Project will be recalculated with current energy costs and current interest rates. If the recalculation of cash flow does not yield a cash flow similar to that provided as part of the detailed study report for Customer, Customer reserves the right to terminate this Agreement. Moreover, in the event that building aid for the Project is reduced and/or eliminated, Customer, in its sole discretion, shall have the right to terminate the Agreement or to reduce the scope of Work as necessary to achieve the same cash flow as per the cash flow protection provided with the detailed study at the time of submittal of this agreement. The Price and Payment Terms set forth at Schedule 4 of this Agreement will be adjusted by Change Order or amendment to this Agreement to reflect any necessary modifications resulting there from.

Prior to NYSED approval, it shall be JCI's sole responsibility to validate each ECM with Customer and gain the final approval of the savings outlined in Schedule 2. This process may include the providing of mock-ups and/or site visits as well as delivering additional presentations if necessary. Without final Customer approval of Schedule 2 and any requested mock-ups, this Agreement shall not be executory. If NYSED approval is not obtained within 180 days of the date of the Engineer's submittal to NYSED, JCI reserves the right to propose modifying the terms of this Agreement, including but not limited to the cost to be financed under this Agreement, subject to Customer's approval in writing, which shall not be unreasonably withheld. JCI agrees to cooperate with Customer in obtaining necessary approvals, including approval by the Commissioner of Education. This shall include providing the certifications pursuant to 155.20 (d) (7) (ii), (iii) and (iv) of the Regulations of the Commissioner of Education. Notwithstanding the above, should any portion of this Agreement fail to be approved by NYSED, or, if the Scope of Work contained in this Agreement is not approved by NYSED in its entirety, Customer may, in its sole discretion, elect to terminate this Agreement. JCI shall have no remedy at law or in equity for such termination or for any costs incurred by JCI up to the date of termination.

- 19. FORCE MAJEURE.** Neither party will be responsible to the other for damages, loss, injury, or delay caused by conditions that are beyond the reasonable control, and without the intentional misconduct or negligence of that party. Such conditions (each, a "Force Majeure") include, but are not limited to: acts of God; acts of government agencies; fires; explosions or other casualties; riots or war; acts of terrorism; electrical power outages; interruptions or degradations in telecommunications, computer, or electronic communications systems; epidemics, pandemics, quarantine restrictions; or changes in Laws.
- 20. JCI'S PROPERTY.** All materials and tools used by JCI personnel and/or JCI subcontractors or agents at the installation site, including documentation, schematics, test equipment, software and associated media remain the exclusive property of JCI or such other third party. Customer agrees not to use such materials for any purpose at any time without the express authorization of JCI. Customer agrees to allow JCI personnel and/or JCI subcontractors or agents to retrieve and to remove all such materials remaining after installation or maintenance operations have been completed upon appointment during normal business hours. Customer acknowledges that any software furnished in connection with the Work and/or M&V Services is proprietary and subject to the provisions of any software license agreement associated with such software.
- 21. DISPUTES.** If a dispute arises under this Agreement, the parties will first attempt to resolve such dispute through good faith negotiation, before initiating any litigation or mutually agreed upon alternative dispute resolution.
- 22. GOVERNING LAW.** This Agreement shall be governed and construed in accordance with the laws of the State of New York. The parties agree that the sole jurisdiction and venue for actions related to the subject matter hereof

shall be the State courts in the County of Nassau, New York and the federal courts in the Eastern District of New York. Both parties consent to the jurisdiction of such courts and waive any objections regarding venue in such courts.

- 23. MODIFICATIONS.** Additions, deletions, and modifications to this Agreement may be made upon the mutual agreement of the parties in writing. The parties contemplate that such modifications may include, but are not limited to, the installation of additional improvement measures, energy conservation measures, facility improvement measures, and operational efficiency improvements or furnishing of additional services within the identified facilities, as well as other facilities owned or operated by the Customer. These modifications may take the form of additional phases of work or modifications to the original scope of Work or Services.
- 24. TERMINATION.** Customer reserves the right to terminate this Agreement for any reason, or no reason whatsoever, upon thirty (30) days written notice to JCI. In the event of such termination, the parties shall endeavor in an orderly manner to wind down activities hereunder. In the event of termination, all reports and services due to the Customer must be completed by JCI, its employees, and/or agents within thirty (30) days of the termination date. Customer shall pay to JCI all undisputed amounts due for Work satisfactorily completed in accordance with this Agreement up to the date of termination.
- 25. WAGE AND HOURS PROVISIONS.** This is a public work contract covered by Article 8 of the Labor Law. Neither JCI's employees nor the employees of its subcontractors may be required or permitted to work more than the number of hours or days stated in said statutes, except as otherwise provided in the Labor Law and as set forth in prevailing wage and supplement schedules issued by the State Labor Department. Furthermore, JCI and its subcontractors must pay at least the prevailing wage rate and pay or provide the prevailing supplements, including the premium rates for overtime pay, as determined by the State Labor Department in accordance with the Labor Law. Accordingly, JCI and each of its subcontractors shall comply with Prevailing Wage Rates as issued by the State of New York Department of Labor for the location and duration of this Project and shall comply with all requirements governing its payments to its employees as set forth in section 220 et. seq. of the New York State Labor Law. JCI must submit the required certified payrolls with its requests for payment. The Customer will not make any payment to JCI unless the completed certified payrolls are submitted to the Customer.
- 26. CONSENTS; APPROVALS; COOPERATION.** Whenever Customer's consent, approval, satisfaction or determination shall be required or permitted under this Agreement, and this Agreement does not expressly state that Customer may act in its sole discretion, such consent, approval, satisfaction or determination shall not be unreasonably withheld, qualified, conditioned or delayed, whether or not such a "reasonableness" standard is expressly stated in this Agreement. Whenever Customer's cooperation is required by JCI in order to carry out JCI's obligations hereunder, Customer agrees that it shall act in good faith and reasonably in so cooperating with JCI and/or JCI's designated representatives or assignees or subcontractors. Customer shall furnish decisions, information, and approvals required by this Agreement in a timely manner so as not to delay the performance of the Work or M&V Services.
- 27. FURTHER ASSURANCES.** The parties shall execute and deliver all documents and perform all further acts that may be reasonably necessary to effectuate the provisions of this Agreement.
- 28. INDEPENDENT CONTRACTOR.** The relationship of the parties hereunder shall be that of independent contractors. Nothing in this Agreement shall be deemed to create a partnership, joint venture, fiduciary, or similar relationship between the parties. Neither JCI nor any person performing any duties or engaged in any Work on the Customer's property on behalf of JCI shall be deemed an employee or agent of Customer. Nothing in this Section shall be deemed to be a waiver of the Customer's right to use its property. Customer and JCI are independent of one another and shall have no other relationship relating to or arising out of this Agreement. Neither party shall have or hold itself out as having the right or authority to bind or create liability for the other by its intentional or negligent act or omission, or to make any contract or otherwise assume any obligation or responsibility in the name of or on behalf of the other party.
- 29. NON-APPROPRIATION.** Pursuant to NYS Energy Law 109-3, this Agreement shall be deemed executory only to the extent of the monies appropriated and available for the purpose of the Agreement, and no liability on account therefore shall be incurred beyond the amount of such monies. It is understood that neither this Agreement nor any representation by any public employee or officer creates any legal or moral obligation to

request, appropriate or make available monies for the purpose of the Agreement. Customer shall provide written proof of the amount appropriated to the Work prior to execution of the Agreement.

- 30. ASSIGNMENT.** The parties agree not to assign, transfer, convey or sublet or otherwise dispose of this Agreement nor any duties or obligations hereunder or rights, title and interest therein or power to execute such Agreement, to any other person, firm or corporation without the previous consent in writing of the other party, which consent shall not be unreasonably conditioned withheld or delayed; provided, however, that JCI may subcontract any portion of the Work to be performed hereunder in accordance with the provisions set forth herein. JCI may not assign any monies due or to become due to it pursuant to its Agreement with Customer without Customer's prior written consent. Any such assignment shall be in a form acceptable to Customer. If JCI attempts to make such an assignment without such consent from Customer, JCI shall nevertheless remain legally responsible for all obligations under its Agreement with Customer.
- 31. SUBCONTRACTING.** JCI may elect to use subcontractors in meeting its obligations hereunder. All subcontractors must be approved by Customer. Customer reserves the right to reject the use of any subcontractor, upon discussion and mutual agreement of JCI. JCI and its subcontractors will be required to wear photo identification and yellow safety vests at all times while on School District property. JCI's employees, agents, subcontractors etc. shall not interact with Customer's students. JCI and its subcontractors as necessary shall attend any meetings when reasonably required during the construction of the Project. By appropriate agreement, JCI shall require each subcontractor to be bound to JCI by the terms of this Agreement.
- 32. NOTIFICATIONS OF GOVERNMENTAL ACTION - Occupational Safety and Health.** The parties agree to notify each other as promptly as is reasonably possible upon becoming aware of an inspection under, or any alleged violation of, the Occupational Safety and Health Act or any other provision of Federal, state or local codes, laws, rule or regulation relating in any way to the undertakings of either Party under this Agreement. JCI represents and warrants that it will meet all applicable OSHA requirements applicable to this Agreement, including any required certification and training requirements for its employees and its subcontractors.
- 33. TRAINING.** JCI shall provide adequate training upon initial turnover to Customer's employees to allow Customer or its employees to have sufficient knowledge with respect to the proper use and operation of the equipment and ECMs.
- 34. WAIVER.** The failure of either party to require compliance with any provision of this Agreement shall not affect that party's right to later enforce the same. It is agreed that the waiver by either party of performance of any other terms of this Agreement or of any breach thereof will not be held or deemed to be a waiver by that party of any subsequent failure to perform the same or any other term or condition of this Agreement or any breach thereof.
- 35. NON-DISCRIMINATION.** JCI agrees not to discriminate against any employee, or applicant for employment, to be employed in the performance of this Agreement, with respect to hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of age, sex, race, disability, color, religion, national origin, Vietnam era military service or ancestry in accordance with applicable Federal, New York State or local laws, rules, and ordinances.
- 36. INTERNATIONAL BOYCOTT.** In accordance with Section 220-f of the Labor Law and Section 139-h of the State Finance Law, if this Agreement exceeds \$5,000, JCI, as a material condition of the Agreement, represents that neither JCI nor any substantially owned or affiliated person, firm, partnership or corporation has participated, is participating, or shall participate in an international boycott in violation of the Federal Export Administration Act of 1979 (50 USC App. Sections 2401 et seq.) or regulations there under. If JCI, or any of the aforesaid affiliates of JCI, is convicted or is otherwise found to have violated said laws or regulations under the final determination of the United States Commerce Department or any other appropriate agency of the United States subsequent to the contractors execution, such contract, amendment or modification thereto shall be rendered forfeit and void. JCI shall so notify Customer within five (5) business days of such conviction, determination or disposition of appeal (2 NYCRR 105.4).
- 37. NON-COLLUSION.** JCI warrants, under penalty of perjury, that its proposal was arrived at independently and without collusion aimed at restricting competition.
- 38. SET OFF RIGHTS.** Customer shall have the right and option to withhold for the purposes of set-off any moneys due to the other party under this Agreement up to any amounts due and owing to Customer with regard to this

Agreement, plus any amounts due and owing to Customer for any reasons of tax delinquencies, fee delinquencies or monetary penalties relative thereto. Customer shall exercise its set-off rights in accordance with normal Customer practices including, in cases of set-off pursuant to an audit, the finalization of such Customer audit by a State agency and its representatives.

- 39. BOOKS; RECORDS.** JCI shall establish and maintain complete and accurate books, records, documents, accounts and other evidence directly pertinent to performance under this Agreement (hereinafter, collectively the "Records"). The Records must be kept for the balance of the calendar year in which they were made and for six (6) additional years thereafter or such longer period as may be required by applicable Law. The State Comptroller, the Attorney General, the Commissioner of Education, and any other person or entity authorized to conduct an examination, as well as the agency or agencies involved in this Agreement, shall have access to the Records during normal business hours at an office of JCI within the State of New York or, if no such office is available, at a mutually agreeable and reasonable venue within the State, for the term specified above for the purposes of inspection, auditing and copying. Customer shall take reasonable steps to protect from public disclosure any of the Records which are exempt from disclosure under Section 87 of the Public Officers Law provided that: (i) JCI shall timely inform an appropriate Customer official, in writing, that said Records should not be disclosed; and (ii) said Records shall be sufficiently identified; and (iii) designation of said Records as exempt under the statute is reasonable. Customer may, however, determine that JCI's records are not exempt from disclosure. Nothing contained herein shall diminish, or in any way adversely affect, either party's right to discovery in any pending or future litigation.
- 40. THIRD PARTY BENEFICIARIES.** This Agreement does not create, and shall not be construed as creating, any rights or interests enforceable by any person not a party to this Agreement.
- 41. CUSTOMER POLICIES.** It is understood and agreed that JCI, its employees, agents, subcontractors and employees of such agents and subcontractors, shall adhere to Customer's policies with respect to conduct on the Customer's property as well as any and all Federal, state, and local laws, rules, ordinances, regulations, Customer's policies and procedures applicable to construction projects on Customer's premises, to the extent such policies are provided to JCI in writing.
- 42. MECHANICS' LIENS.** In the event a lien is filed against the School District property or this Performance Contract and/or any sums due JCI hereunder, and JCI has been paid any undisputed amounts, JCI shall within thirty (30) days provide proof of bonding and/or satisfaction of any such lien against the School District property or this Performance Contract and/or any sums due JCI hereunder, and will use commercially reasonable efforts to assist the School District in order to have the lien removed.
- 43. OWNERSHIP OF DOCUMENTS.** The as-built drawings, whether prepared by the Architect or furnished by the JCI are Instruments of Service. JCI, the Architect/Engineer and other providers of professional services individually shall retain all common law, statutory and other reserved rights, including copyright in those Instruments of Services furnished by them, except as otherwise provided herein or in the Customer's agreement with the Architect/Engineer or other provider of professional services. However, if JCI is terminated from the Agreement for cause, Customer shall have a permanent, paid up license and rights to use the Instruments of Service, including all drawings, specifications, and other documents and materials and electronic data that are furnished for use solely with respect to this Project.

Upon execution of this Agreement, JCI grants to the Customer a non-exclusive license to reproduce and use the Instruments of Service solely in connection with the Work, including the Work's further development by the Customer and others retained by the Customer for such purposes, provided that Customer agrees not to reproduce the Instruments of Service unless JCI is terminated from the Agreement for cause. Such license shall extend to those parties retained by the Customer for such purposes, including other design professionals. JCI shall obtain similar non-exclusive licenses from its design professionals, including the Architect/Engineer. This license shall survive the termination of this Agreement prior to completion of the JCI's services unless this Agreement is terminated solely as a result of the Customer's default as determined by a court of competent jurisdiction. Each of JCI's design professionals, including the Engineer, shall be contractually required to convey to the Customer a non-exclusive license to use that design professional's Instruments of Service for the completion, use and maintenance of the Work. In the event of a conflict between the RFP and this Section 43, the provisions of this section shall control.

- 44. POWER AND AUTHORITY.** Each party represents and warrants to the other that (i) it has all requisite power and authority to execute and deliver this Agreement and perform its obligations hereunder, (ii) all corporate, board, body politic, or other approvals necessary for its execution, delivery, and performance of this Agreement have been or will be obtained, and (iii) this Agreement constitutes its legal, valid, and binding obligation.
- 45. SEVERABILITY.** In the event that any clause, provision, or portion of this Agreement or any part thereof shall be declared invalid, void, or unenforceable by any court having jurisdiction, such invalidity shall not affect the validity or enforceability of the remaining portions of this Agreement unless the result would be manifestly inequitable or materially impair the benefits intended to inure to either party under this Agreement.
- 46. COMPLETE AGREEMENT.** It is understood and agreed that this Agreement, together with all Schedules, Attachments and other documents incorporated herein by reference, contains the entire agreement between the parties relating to all issues involving the subject matter of this Agreement. No binding understandings, statements, promises or inducements contrary to this Agreement exist. This Agreement supersedes and cancels all previous agreements, negotiations, communications, commitments and understandings with respect to the subject matter hereof, whether made orally or in writing. Each of the parties to this Agreement expressly warrants and represents to the other that no promise or agreement which is not herein expressed has been made to the other, and that neither party is relying upon any statement or representation of the other that is not expressly set forth in this Agreement. Each party hereto is relying exclusively on the terms of this Agreement, its own judgment, and the advice of its own legal counsel and/or other advisors in entering into this Agreement. Customer acknowledges and agrees that any purchase order issued by Customer associated with this Agreement is intended only to establish payment authority for Customer's internal accounting purposes. No purchase order shall be considered a counteroffer, amendment, modification, or other revision to the terms of this Agreement.
- 47. HEADINGS.** The captions and titles in this Agreement are for convenience only and shall not affect the interpretation or meaning of this Agreement.
- 48. COUNTERPARTS.** This Agreement may be executed in any number of counterparts, all of which when taken together shall constitute one single agreement between the parties.
- 49. NOTICES.** All notices or communications related to this Agreement shall be in writing and shall be deemed served if and when sent by facsimile or mailed by certified or registered mail: to Johnson Controls, Inc. at the address listed on the first page of this Agreement, ATTN: Regional Solutions Manager, with a copy to Johnson Controls, Inc., ATTN: VP and General Counsel – BSNA, 5757 N. Green Bay Avenue, Milwaukee, Wisconsin, 53209, and to Customer at the address listed on the first page of this Agreement.
- 50. ASSIGNMENT.** This Agreement may not be assigned by JCI, nor its right, title or interest therein assigned, transferred, conveyed, sublet or otherwise disposed of, without the previous consent, in writing, of Customer, whose consent shall not be unreasonably withheld, and any attempts to assign the contract without Customer's written consent are null and void.

IN WITNESS WHEREOF, the duly authorized officers or representatives of the Parties have set their hand on the date first written above with the intent to be legally bound.

MANHASSET PUBLIC SCHOOLS

JOHNSON CONTROLS, INC.

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Construction Management

All work set forth in the Agreement shall be coordinated with the Customer and approved by the Architect and the Construction Manager as set forth in the Agreement and attachments thereto.

1. JCI will prepare and maintain a Construction Schedule which shall be provided to the Customer, Construction Manager and the Architect for approval. Updates will be provided by JCI to the Customer, Construction Manager and Architect on an on-going basis.
2. JCI shall maintain a staff to administer the contract terms and conditions with all subcontractors.
3. JCI will provide coordination of the work of separate ECMs with the Customer, Construction Manager and Architect ensuring enforcement of all contract provisions, compliance with energy initiatives, and timely completion of the project. All such work shall be coordinated with the Architect, Construction Manager and Customer.
4. JCI shall establish and maintain coordination procedures with the Customer, Construction Manager and the Architect, i.e., project meetings, documentation process, etc. and shall attend all project meetings as required by the Customer, Construction Manager and/or Architect.
5. JCI shall submit a site accessibility plan and schedule to the Customer, Construction Manager and the Architect. All schedules must be approved by the Architect, Construction Manager and the Customer.
6. JCI shall perform all inspection work necessary to assure the conformity to the plans and specifications until final completion and acceptance of the project by the Customer.
7. JCI shall coordinate post-completion activities including the assembly of guarantee, manuals, as-built drawings of all trade and subcontractors, and the Customer's final acceptance with the Customer's Architect. JCI shall coordinate training of the Owner's personnel by installers and vendors for the operations of the project with the Customer's Architect, Construction Manager and/or the Customer's Representative.
8. The Customer has designated JAG for the engineering and design work required for this Project. The design work must be submitted to the New York State Education Department for approval.
9. JCI shall coordinate site accessibility for the Owner and contractors for continuous operation of school services and activities. Work will commence in accordance with Section 4 of the Agreement. During school days, the work hours are 7 a.m. to 4 p.m. in unoccupied spaces and must be performed in accordance with Section 6 of the Agreement.
10. JCI and its subcontractors will be required to wear photo identification and yellow safety vests at all times while on School District property.
11. JCI and its subcontractors shall attend the District Committee meetings, if any, during the construction of the project.
12. Construction phase services will be performed according to the terms and conditions of Scope of Architectural Services.
13. JCI shall perform weekly walk throughs with the Architect and Construction Manager for the purpose of inspecting the work installed to date.

SCOPE OF WORK

SUMMARY OF WORK: The following summarizes the Work to be provided by JCI under this Agreement, as further defined below:

ECM #	Proposed Measures	Manhasset Secondary School	Munsey Park Elementary School	Shelter Rock Elementary School	District Office
ECM 1	Lighting - Interior Retrofit	x	x	x	x
ECM 2	Lighting - Exterior Retrofit	x	x	x	
ECM 3	Building Envelope - Weatherization	x	x	x	x
ECM 4	Heating System - Boiler Replacement	x			
ECM 5	Heating System - Boiler/DHW/Furnace Controllers	x	x	x	
ECM 6	Heating System - Steam Trap Replacement	x	x		
ECM 7	Heating System - Pipe and Valve Insulation	x	x	x	
ECM 8	Air Conditioning Compressor Controllers	x	x	x	x
ECM 9	Refrigeration Compressor Controllers	x	x		
ECM 10	Energy Efficient Transformers		x	x	
ECM 11	Renewable Energy- Photovoltaic Generation	x	x	x	
ECM 12	Plug Load Controllers	x	x	x	

GENERAL

The following scope of work is included in this Agreement and shall be provided by JCI:

ECM 1: Lighting – Interior Retrofit

Johnson Controls will furnish and install energy efficient LED lighting in specified areas in the facilities listed in Attachment 4, Line by Line, by retrofitting the existing fixture with new lamps and/or ballasts or by replacing with new lighting fixtures. Please refer to the detailed lighting survey in Attachment 4 for the retrofit type and locations.

Demolition and Removal Work

Existing lamps, ballasts and fixtures associated with the above-referenced scope of work will be removed and properly disposed according to applicable, laws, rules and regulations at the time of SED approval of the Agreement.

New Installation Work

Johnson Controls will furnish necessary materials, labor and necessary equipment to complete the above Interior LED Retrofits. No reconfiguration of lighting systems is included. No repair, replacement or upgrade of existing indoor or exterior emergency and/or egress lighting system is included unless otherwise noted in the Scope of Work.

Exclusions:

1. Repair or replacement of defective equipment, other than the equipment specifically described in the ECM description. Johnson Controls will identify the location of defective equipment and notify Customer in writing.
2. Repair or upgrades required to rectify existing lighting or electrical system code violations unless specifically described in this scope of work. Johnson Controls will identify the location of the existing violation and notify Customer in writing.

ECM 2: Lighting – Exterior Retrofit

Johnson Controls will furnish and install energy efficient LED lighting in specified locations at the facilities listed in Line by Line either by retrofitting the existing fixture with new lamps and ballasts or by replacing with new lighting fixtures. Please refer to the detailed lighting survey in Attachment 4 for the retrofit type and locations.

Demolition and Removal Work

Existing lamps, ballasts and fixtures associated with the above-referenced scope of work will be removed and properly disposed according to applicable, laws, rules and regulations in effect at the time of SED approval of the Agreement.

New Installation Work

Johnson Controls will furnish necessary materials, labor, and necessary equipment to complete the above exterior LED Retrofits. No reconfiguration of lighting systems is included.

Exclusions:

1. Existing poles shall be used.
 - a. Repair of wiring to or within existing poles is not included in this scope of work. Customer is responsible.
 - b. Customer is responsible for pole maintenance, repair, and replacement throughout the term of the guarantee.
2. Lighting Poles will be checked for contact voltage. If any hazardous voltage is noted, work on that pole will be stopped and the customer and/or the utility company be notified immediately to correct the fault before any work will be performed.

Schedule 1

3. Repair or replacement of defective equipment, other than the equipment specifically described in the ECM description. Johnson Controls will identify the location of defective equipment and notify Customer in writing.
4. Repair or upgrades required to rectify existing lighting or electrical system code violations unless specifically described in this scope of work. Johnson Controls will identify the location of the existing violation and notify Customer in writing.

ECM 3: Building Envelope - Weatherization

Johnson Controls shall furnish and install foam and caulking around structural leakage where appropriate as outlined below:

Manhasset Secondary School

- 2 Single Doors (Door Weather Stripping – Sides, Sweep)
- 15 Double Doors (Door Weather Stripping – Sides, Sweep)
- 136' Roof-Wall Intersection Sealing (Seal roof/wall with 2 component polyurethane foam)
- 2195' Window Caulking
- 63 AC Covers (Interior wind resistant cover over unit)
- 216SF 3rd Floor Bypass (Seal voids in original ceiling to attic crawl space)

Munsey Park Elementary School

- 9 Single Doors (Door Weather Stripping – Sides, Sweep)
- 7 Double Doors (Door Weather Stripping – Sides, Sweep)
- 2952' Window Caulking
- 26 AC Covers (Interior wind resistant cover over unit)

Shelter Rock Elementary School

- 1 Single Door (Door Weather Stripping – Sides, Sweep)
- 1 Overhead Garage Door (High grade aluminum door weatherstripping)
- 450' Roof-Wall Intersection Sealing (Seal roof/wall with 2 component polyurethane foam)
- 17 AC Covers (Interior wind resistant cover over unit)

District Office

- 4 Single Doors (Door Weather Stripping – Sides, Sweep)
- 1 Double Door (Door Weather Stripping – Sides, Sweep)
- 10 Roof Exhaust Fans (Lubricate and seal perimeter of damper to planum)

Exclusions:

1. Repair or replacement of existing exterior doors and windows is excluded in this scope of work other than as described in the scope of work. If any doors are found to be inoperable, or windows are found to be broken, JCI will report the deficiency to the customer for repair or replacement prior to JCI retrofitting the seals.
2. Repair or replacement of existing brick or other masonry materials/systems is excluded in this scope of work.
3. Repair or replacement of existing attic space including rafters, ceiling, or roof areas.
4. Modifications to address non-compliance with existing codes, including but not limited to the Americans with Disabilities Act (ADA) and egress, are excluded.
5. Cutting, patching, and painting is excluded.
6. The scope of work does not include the repair or installation of any structural systems.
7. All testing and abatement of hazardous materials is solely the responsibility of the customer.

8. All weather-stripping is to be made of aluminum mill finish carrier with a black gasket, unless specified otherwise.

ECM 4: Heating System - Boiler Replacement

At Manhasset Secondary School, Johnson Controls shall remove existing two (2) (Boiler #1 and Boiler #2) boilers and install two high efficiency steam boilers.

Specifications:

- Furnish and install Two (2) Industrial Steam Boilers or equal - 300 hp dual fuel capable, 3 pass firetube boilers to replace Boilers 1 and 2. Boiler 3 to remain.
- Provide and install one (1) new Duplex vacuum condensate return unit manufactured by Fabtek or equal. Boiler Feed Water Tank to remain.
- Remove existing units and dispose of properly.
- Install new units in same location.
- Assemble and install two (2) boiler-burner unit(s) in compliance with manufacturer's installation instructions. All work must be done in a neat and workman like manner.
- Boiler (s) shall be hydrostatically pressure tested at factory in accordance with ASME requirements.
- Replace make-up regulator and backflow preventer.
- New piping will be installed from the new boilers and tied into the existing header.
- New header isolation valves and boiler non-return valves will be installed.
- Impacted piping and appurtenances will be abated within the boiler room and insulated with fiberglass insulation.
- Plant startup and testing will be performed.
- Provide Pipe Supports, Hangers and Brackets
- Provide Valve Tags and ID Chart

Exclusions

1. Resolution of existing design, service, and or distribution conditions known or unknown.
2. Correction of any existing applicable building code violations and Federal Americans with Disabilities Act (ADA) violations identified by JCI during the execution of the Work. Such violations will be brought to the attention of the Customer for remedy.
3. Temporary space conditioning unless otherwise identified in an ECM Scope of Work.
4. Test and balance of existing air and water HVAC systems unless otherwise noted in a specification ECM Scope of Work.
5. Duct cleaning and coil cleaning unless otherwise identified in an ECM Scope of Work.
6. Repair or replacement of defective mechanical, controls, and electrical equipment and electrical distribution system, except the equipment described in the Scope of Work (Defective equipment identified by JCI during implementation of the Scope of Work will be brought to the attention of the Customer).
7. Repairs/replacement of insulation, piping, electrical or ductwork found to be corroded or rusted or otherwise unacceptable for installation of components or fittings required for installation other than what is specified in the Scope of Work.
8. Any work on the existing fuel oil system, except as described above.

ECM 5: Heating System – DHW/Furnace Controls

Johnson Controls shall install Intelligent Control Systems I-CON hot water heating system fuel economizers on furnaces and DHW heaters at the following locations:

Building	DHW Controllers	Furnace Controllers
Manhasset Secondary School	0	5
Munsey Park ES	2	0
Shelter Rock ES	1	2
Total	3	7

Exclusions:

1. Resolution of existing design, service, and or distribution conditions known or unknown.
2. Modifications to address non-compliance with existing codes, including but not limited to the Americans with Disabilities Act (ADA) and egress, are excluded.
3. Temporary space conditioning unless otherwise identified in an ECM Scope of Work.
4. Test and balance of existing air and water HVAC systems unless otherwise noted in a specification ECM Scope of Work.
5. Repair or replacement of defective mechanical, electrical and controls equipment and electrical distribution system, except the equipment described in the Scope of Work (Defective equipment identified by JCI during implementation of the Scope of Work will be brought to the attention of the Customer).

ECM 6: Heating System – Steam Trap Replacement

Johnson Controls shall replace the steam traps located in the buildings in the District; the scope and quantity of the steam traps identified are listed in the table below.

Building	Thermostatic (QTY)	F&T or Bucket (QTY)	Steam Thermostatic Radiator Valves (TRV) (QTY)
Manhasset Secondary School	304	94	70
Munsey Park Elementary School	158	36	34
Totals	462	130	104

Johnson Controls will also provide attic stock for future replacements.

Float & Thermostatic (F&T/IB) and Thermostatic steam traps will be rebuilt/replaced with new Barnes and Jones units. The new TRVs shall be manufactured by Danfoss or equal.

Existing strainers, isolation valves, check valves, and fittings in good condition will be reused.

Exclusions:

1. Resolution of existing design, service, and or distribution conditions known or unknown.
2. Modifications to address non-compliance with existing codes, including but not limited to the Americans with Disabilities Act (ADA) and egress, are excluded.
3. Temporary space conditioning unless otherwise identified in a ECM Scope of Work.
4. Test and balance of existing air and water HVAC systems unless otherwise noted in a specification ECM Scope of Work.

Schedule 1

5. Repair or replacement of defective mechanical, electrical and controls equipment and electrical distribution system, except the equipment described in the Scope of Work (Defective equipment identified by JCI during implementation of the Scope of Work will be brought to the attention of the Customer).

ECM 7: Heating System – Pipe and Valve Insulation

Johnson Controls shall install pipe and valve insulation and/or thermal jackets on existing hot water and steam systems to reduce heat loss according to the following table below.

The fiberglass pipe insulation shall be manufactured by Johns Manville or a manufacturer of equivalent type and quality (subject to JCI and Customer approval), and with PVC fitting covers where applicable. The removable insulated fiberglass pads on serviceable connections shall be made with Silicone Impregnated Fiberglass Cloth manufactured by GLT Products or a manufacturer of equivalent type and quality (subject to JCI and Customer approval).

The following table lists the items that were found to be uninsulated:

Task	Manhasset Secondary School	Munsey Park Elementary School	Shelter Rock Elementary School	Total Quantity
3-Way Valve Insulation (Units)			1	1
Ball Valve Insulation (Units)		3	2	5
Bonnet Insulation (Units)	18	6	6	30
Butterfly Valve Insulation (Units)		1	5	6
Check Valve Insulation (Units)		2	4	6
Control Valve Insulation (Units)		2	1	3
End Cap Insulation (Units)		1		1
Flange Insulation (Units)	2	41	53	96
Flex Fitting Insulation (Units)	2		10	12
Flo-Check Insulation (Units)			1	1
Gate Valve Insulation (Units)		20	5	25
Pipe Fitting Insulation (Units)	12	78	3	93
Pipe Reducer Insulation (Units)	2		3	5
Pump Insulation (Units)	6	5	3	14
Steam Trap Insulation (Units)	6	4		10
Straight Pipe Insulation (LF)	24	226	6	256
Strainer Insulation (Units)	4	7	3	14
Suction Diffuser Insulation (Units)	2	3	2	7
Tank Insulation (Units)	3	2	1	6
Triple Duty Valve Insulation (Units)		3	5	8

Exclusions

- Hazardous material abatement or removal, such as but not limited to asbestos, lead paint mold/mildew, etc. unless noted otherwise in the ECM Scope of Work.
- Repair or replacement of defective mechanical, controls, and electrical equipment and electrical distribution system, except the equipment described in the Scope of Work (Defective equipment identified by JCI during implementation of the Scope of Work will be brought to the attention of the Customer).
- Repairs/replacement of insulation, piping, electrical or ductwork found to be corroded or rusted or otherwise unacceptable for installation of components or fittings required for installation other than what is specified in the Scope of Work.

- Resolution of existing design, service, and or distribution conditions known or unknown.
- Modifications to address non-compliance with existing codes, including but not limited to the Americans with Disabilities Act (ADA) and egress, are excluded.
- Test and balance of existing air and water HVAC systems unless otherwise noted in a specification ECM Scope of Work.

ECM 8: Air Conditioning Compressor Controllers

Johnson Controls shall furnish and install thirty-four (34) Intelligent Control Systems ICON-2400 controllers on the existing individual compressor units located in the buildings listed below:

Location	No. of Compressors
Manhasset Secondary School	20
Munsey Park Elementary School	4
Shelter Rock Elementary School	8
District Office	2
Total	34

Exclusions:

1. Repair or replacement of defective mechanical, electrical and controls equipment and electrical distribution system, except the equipment described in the Scope of Work (Defective equipment identified by JCI during implementation of the Scope of Work will be brought to the attention of the Customer).
2. Resolution of existing design, service, and or distribution conditions known or unknown.
3. Modifications to address non-compliance with existing codes, including but not limited to the Americans with Disabilities Act (ADA) and egress, are excluded.
4. Temporary space conditioning.

ECM 9: Refrigeration Compressor Controllers

Johnson Controls shall furnish and install five (5) Intelligent Control Systems ICON-2500 controllers on the existing individual compressor units located in the buildings listed below.

Location	No. of Compressors
Manhasset Secondary School	3
Munsey Park Elementary School	2
Total	5

Exclusions:

1. Repair or replacement of defective mechanical, electrical and controls equipment and electrical distribution system, except the equipment described in the Scope of Work (Defective equipment identified by JCI during implementation of the Scope of Work will be brought to the attention of the Customer).
2. Resolution of existing design, service, and or distribution conditions known or unknown.
3. Modifications to address non-compliance with existing codes, including but not limited to the Americans with Disabilities Act (ADA) and egress, are excluded.
4. Temporary refrigeration.

ECM 10: Energy Efficient Transformers

Johnson Controls will replace the existing transformers installed at the locations specified and furnish and install with new Hammond high efficiency transformers.

Location	No. of Transformers
Munsey Park Elementary School	3
Shelter Rock Elementary School	10
Total	13

Building	Location	Equipment Type	Manufacturer	Model	Capacity kVA
Shelter Rock ES	Auditorium Fan Room 1	480D-208/120Y	Heavy Duty	T2H 30	30
Shelter Rock ES	Auditorium Fan Room 2	480D-208/120Y	Heavy Duty	2H 45	45
Shelter Rock ES	2nd FI Storage next to elevator	480D-208/120Y	Square D	30T3H	30
Shelter Rock ES	Storage 3	480D-208/120Y	Heavy Duty	T2H30- SER D	30
Shelter Rock ES	Storage 3	480D-208/120Y	Heavy Duty	T2H25- SER A	25
Shelter Rock ES	Storage 3	480D-208/120Y	Square D	75T3HFISNLP	75
Shelter Rock ES	Storage 2	480D-208/120Y	Heavy Duty	T2H25- SER A	25
Shelter Rock ES	Storage 2	480D-208/120Y	Square D	75T3HFISNLP	75
Shelter Rock ES	Storage 2	480D-208/120Y	Heavy Duty	T2H30- SER A	30
Shelter Rock ES	3C	480D-208/120Y	Heavy Duty		15
Munsey Park ES	Addition Boiler Room	480D-208/120Y	Square D	45T85HFISNLP	45
Munsey Park ES	Addition Electric Room	208D-208/120Y	Square D	150T85HFISNLP	150
Munsey Park ES	Roof Mounted Condensing Unit	208D-480/277Y	GE	9T83B3804	75

Scope of Work:

Johnson Controls will install the following scope at each location:

- Accept delivery of Transformers.
- Rigging of transformers from staging area to transformer location, reuse existing pads and new pads where needed.
- Disconnect and remove existing transformer
- Install new high efficiency transformer of same size, utilizing existing feeds and grounds.

- Work will be coordinated with the site contact in advance to minimize interruptions. No temporary power will be provided.

Exclusions:

1. Resolution of existing design, service, and or distribution conditions known or unknown.
2. Correction of any existing applicable building code violations and Federal Americans with Disabilities Act (ADA) violations identified by JCI during the execution of the Work. Such violations will be brought to the attention of the Customer for remedy.
3. Repair or replacement of defective mechanical, electrical and controls equipment and electrical distribution system, except the equipment described in the Scope of Work (Defective equipment identified by JCI during implementation of the Scope of Work will be brought to the attention of the Customer).
4. Repairs/replacement of wiring components found to be corroded or rusted and unacceptable for installation other than what is specified in the Scope of Work.

ECM 11: Renewable Energy – Photovoltaic Electric Generation

Johnson Controls will furnish and install a total of 777.60 kW-DC roof mounted photovoltaic electrical generation systems as detailed in the table below that will interconnect with the existing electrical distribution system at the associated school.

The following table identifies the PV sizes and installation type at each location:

Locations	Roof Mounted PV (kW-DC)
Manhasset Secondary School	410.40
Munsey Park Elementary School	74.90
Shelter Rock Elementary School	292.30
Total	777.60

Installation includes the following specifications for new Roof Ballasted Systems:

- UL Certificate
- New wiring to meet the requirements of the 2017 National Electric Code (“NEC”).
- Solar Module to be 72 cell 400 watt JA Solar or equal and as approved by Customer’s Architect/Engineer and Johnson Controls.
- Inverters to be SMA or equal and as approved by Customer’s Architect/Engineer and Johnson Controls.
- Balance of new system to meet 2017 NEC Code.
- Required Interconnection to building system located as per 2017 NEC Code lineside tap as determined by the utility(ies) having jurisdiction.
- Unirac RM, Ecofoot or equal self-ballasted racking system
- Furnish and install required ballast block as per design.
- One time training for 4 hours to the District
- District to support monitoring by supplying an IT drop to a gateway location and necessary IP addresses that the District will maintain for 18 years.
- Protective slip sheet to meet roofing warranty certifications

In the event that any of the building roofs are determined to be unsuitable for roof mounted PV arrays, Johnson Controls will attempt to move the arrays or portions of the arrays to another location that is suitable at any of the other buildings outlined above, subject to all necessary review and approvals.

Johnson Controls shall install the new PV systems with existing roof manufacturer standards to maintain current and any new roof warranty(ies) as it relates to the solar panel installation. At impacted locations, existing structural steel, joists, roof decks, parking lots, walkways are anticipated to be adequate for solar panel installation. If during the

Schedule 1

design phase the architect / engineer of record, JAG Architect PC, encounters structural issues, drainage issues, with any of roofs, roof framing, and walkways, JCI shall relocate the problem areas of solar arrays to a different location in order to maintain the 777.60 kW DC of total system size. An adjustment to the guarantee will occur if the new location is on a different electric rate or results in a change to the projected output of the system.

In the event that any of the proposed locations are determined to not be a viable option, the scope of work for this ECM shall be reduced subject to all necessary approvals, including Customer's written approval by amendment and the costs associated with the reduced scope shall be credited to the Customer. The guaranteed savings shall also be adjusted accordingly by a formal written amendment to the Agreement. All adjustments require Customer's written approval.

The weather station monitoring (cloud-based platform) is provided by the inverter manufacturer with lifetime free access with the installation of inverter hardware data manager as long as the internet IP address is maintained to allow access to the cloud-based portal where the information is stored and displayed. The proposed system will include the pyranometer, weather-station, ambient temperature sensor, and module temperature with the data displayed on cloud-based portal. The irradiance value will be trended and logged into the cloud.

Power to the building will be temporarily shut down by the utility for up to four (4) hours during the tie-in. Coordination with the District will be required at the time of the tie-in.

Exclusions:

1. Repair or replacement of defective electrical equipment and electrical distribution system, except the equipment described in the Scope of Work, unless said repair or replacement is required due to the acts or omissions of JCI. (Defective equipment identified by JCI during implementation of the Scope of Work will be brought to the attention of the Customer in writing).
2. Structural or roof repairs or upgrades.

ECM 12: Plug Load Controllers

Johnson Controls shall furnish and install plug load management controllers that will gain control of specified plug load equipment listed below. The system will use an existing Wi-Fi network that will communicate to an energy management user interface. Through the user interface, equipment shall be monitored, scheduled and turned on / off. In areas where no Wi-Fi connection exists, plugs shall be programmed with the intended schedule for the equipment.

	Manhasset Secondary School	Munsey Park Elementary School	Shelter Rock Elementary School
Printer	30	21	12
Smartboard	60	44	36
AC-110 15A	14	16	8
AC-110 20A	1	0	0
AC-220 20A	49	7	9
Totals	154	88	65

Scope of Work:

- Provide plug load control devices as per final schedule of outlets
- Install and connect devices

- Load and configure software on an owner designated and provided PC
- Start, test, and checkout the system

Exclusions:

- Repair or replacement of defective plug load equipment, and the electrical distribution system and components, unless said repair or replacement is required due to the acts or omissions of JCI. (Defective equipment identified by JCI during implementation of the Scope of Work will be brought to the attention of the Customer in writing).

ASSURED PERFORMANCE GUARANTEE

I. PROJECT BENEFITS

A. Certain Definitions. For purposes of this Agreement, the following terms have the meanings set forth below:

Annual Project Benefits are the portion of the projected Total Project Benefits to be achieved in any one year of the Guarantee Period.

Annual Project Benefits Realized are the Project Benefits actually realized for any one year of the Guarantee Period.

Annual Project Benefits Shortfall is the amount by which the Annual Project Benefits exceed the Annual Project Benefits Realized in any one year of the Guarantee Period.

Annual Project Benefits Surplus is the amount by which the Annual Project Benefits Realized exceed the Annual Project Benefits in any one year of the Guarantee Period.

Baseline is the mutually agreed upon data and/or usage amounts that reflect conditions prior to the installation of the Improvement Measures as set forth in Schedule 2, Exhibit 6 below.

Guarantee Period will commence on the first day of the next month following the Substantial Completion date and will continue for eighteen (18) years.

M&V Services means the services performed to monitor and report the performance relative to the guarantee defined in the Assured Performance Guarantee set forth in Schedule 2.

M&V Services Period will commence on the first day of the next month following the Substantial Completion date and will continue for 3 years, subject to earlier termination as provided in this Agreement.

Installation Period is the period beginning on JCI's receipt of Customer's Notice to Proceed and ending on the commencement of the Guarantee Period.

Measured Project Benefits are the utility savings and cost avoidance calculated in accordance with the methodologies set forth in Schedule 2, Exhibit 2 below.

Project Benefits are the Measured Project Benefits plus the Operational and Maintenance Project Benefits to be achieved for a particular period during the term of this Agreement.

Total Project Benefits are the projected Project Benefits to be achieved during the entire term of this Agreement. The cost of the M&V Services is included in the Total Project Benefits guaranteed to be achieved during the entire term of this Agreement.

B. Project Benefits Summary

Subject to the terms and conditions of this Agreement, JCI and Customer agree that Customer will achieve a total of \$1,032,441 in Operational and Maintenance Cost Avoidance, \$61,000 in rebates and JCI guarantees that Customer will achieve a total of \$9,275,808 in Measured Project Benefits during the term of this Agreement, for Total Project Benefits of \$10,369,250, as set forth in the Total Project Benefits table below.

Total Project Benefits

Year	Utility Cost Avoidance* Measurable Savings	Operations & Maintenance Cost Avoidance**	Energy Rebate-Non Recurring Savings	Total Guaranteed Project Benefits
Implem.				\$0
1	\$378,609	\$42,141	\$61,000	\$481,750
2	\$391,861	\$43,616		\$435,476
3	\$405,576	\$45,142		\$450,718
4	\$419,771	\$46,722		\$466,493
5	\$434,463	\$48,358		\$482,821
6	\$449,669	\$50,050		\$499,719
7	\$465,407	\$51,802		\$517,209
8	\$481,697	\$53,615		\$535,312
9	\$498,556	\$55,492		\$554,048
10	\$516,005	\$57,434		\$573,439
11	\$534,066	\$59,444		\$593,510
12	\$552,758	\$61,525		\$614,283
13	\$572,104	\$63,678		\$635,782
14	\$592,128	\$65,907		\$658,035
15	\$612,853	\$68,213		\$681,066
16	\$634,302	\$70,601		\$704,903
17	\$656,503	\$73,072		\$729,575
18	\$679,481	\$75,629		\$755,110
Totals	\$9,275,808	\$1,032,441	\$61,000	\$10,369,250

Values in table above are rounded to the nearest dollar.

*Utility Cost Avoidance is a Measured Project Benefit. Utility Cost Avoidance figures in the table above are based on anticipated increases in unit energy costs as set forth in the table in Section VI below.

** Operations & Maintenance Cost Avoidance figures in the table above are based on a mutually agreed fixed annual escalation rate of 3.5% increase in labor and material cost.

Annual Measurement and Verification (M&V) Services

JCI shall provide M&V Services for a period of three (3) years starting on the first day of the month next following the Substantial Completion Date (the "Initial M&V Service Period"). The cost of the M&V Services provided during the Initial M&V Services Period is included in the Total Project Costs stated in Schedule 4. Within sixty (60) days of the commencement of the M&V Services Period, JCI will calculate the Measured Project Benefits achieved during the Installation Period plus any Operations & Maintenance Project Benefits applicable to such period and advise Customer of same. Any Project Benefits achieved during the Installation Period may be allocated to the Annual Project Benefits for the first year of the Guarantee Period at JCI's discretion. Within sixty (60) days of each anniversary of the commencement of the Guarantee Period, for so long as the M&V Services Period is in effect, JCI will calculate the Measured Project Benefits achieved for the applicable year plus any Operations & Maintenance Project Benefits applicable to such period and advise Customer of same.

As set forth in the RFP, JCI guarantees that the Total energy savings projected in plan will be at least 95.0% of the savings projected in JCI's proposal.

Customer acknowledges and agrees that if, for any reason during the initial 3-year period of M&V Services or any subsequent year in which Customer has elected to continue M&V Services, it (i) cancels or terminates receipt of M&V Services, other than due to JCI's material breach of its Assured Performance Guarantee or this Agreement, or (ii) cancels or terminates this Agreement, it shall be assumed (in accordance with Option A of the North American Energy Measurement and Verification Protocol (NEMVP), and based upon the equipment continuing to operate in accordance with specified criteria) that the Annual Project Benefits will be met during each year of the Guarantee Period.

Customer further acknowledges and agrees that if, for any reason, it (i) fails to pay for M&V Services in accordance with Schedule 4 – Price and Payment Terms, (ii) fails to substantially fulfill any of Customer's material responsibilities necessary to enable JCI to complete the Work and provide the M&V Services, including but not limited to Customer's failure to operate and maintain the equipment and/or systems substantially as stipulated by JCI, or (iii) otherwise materially breaches this Agreement, JCI may issue a written notice to the Customer stating the nature of the alleged breach and will provide Customer with a thirty (30) calendar day period to cure such breach. If the Customer fails to cure such breach within such thirty (30) calendar day period or such greater time as is commercially reasonable in the event such breach cannot be cured within such thirty (30) calendar day period, Customer acknowledges and agrees that the Assured Performance Guarantee shall automatically terminate, unless otherwise agreed to in writing by the parties.

Project Benefits Shortfalls or Surpluses.

(1) During the Initial M&V Services Period, the following shall apply:

(a) ***Project Benefits Shortfalls.*** If an Annual Project Benefits Shortfall occurs for any one year of the Initial M&V Services Period, JCI shall, subject to Customer's agreement, which shall not be unreasonably withheld, (a) pay to Customer the amount of such shortfall, and/or (b) subject to Customer's agreement, provide to Customer additional products or services, in the value of such shortfall, at no additional cost to Customer.

(b) ***Project Benefits Surpluses.*** If an Annual Project Benefits Surplus occurs for any one year of the Initial M&V Services Period, such Annual Project Benefits Surplus shall accrue to the benefit of the Customer and shall not be applied to any shortfall during any year of the Initial M&V Services Period.

(c) ***Additional Improvements.*** Where an Annual Project Benefits Shortfall has occurred, in addition to the payment due Customer, JCI may, subject to Customer's approval (which approval shall not be unreasonably withheld, conditioned, or delayed), implement additional Improvement Measures, at no cost to Customer, which may generate additional Project Benefits in future years of the Guarantee Period.

- (2) Following the conclusion of the Initial M&V Services Period, the following shall apply:
- (a) If the Annual Project Benefits are met in each year during the period that M&V Services are provided, it shall be assumed (in accordance with Option A of the NEMVP, and based upon the equipment continuing to operate in accordance with specified criteria) that the Annual Project Benefits will be met during each year of the Guarantee Period.

 - (b) If there is an Annual Project Benefits Shortfall at the end of the Initial M&V Services Period and such Shortfall is the result of the equipment not operating in accordance with specified criteria, then, subject to the Customer's agreement, either: (a) the M&V Services will be renewed for a minimum of one (1) year, subject to Schedule 4 – Price and Payment Terms; and/or (b) Customer must allow JCI access to the property to conduct repairs or make adjustments to the equipment as necessary to resolve the cause of the Shortfall. Once the cause of the Shortfall is resolved, it shall be assumed (based upon the equipment continuing to operate in accordance with the specified criteria) that the Annual Project Benefits will be met during each subsequent year of the Guarantee Period. If a Shortfall continues to exist notwithstanding the equipment operating in accordance with the specified criteria, JCI shall pay the amount of such Shortfall to Customer for each remaining year of the Guarantee Period.

II. MEASUREMENT AND VERIFICATION METHODOLOGIES

The following is a brief overview of the measurement and verification methodologies applicable to the Improvement Measures set forth below. JCI shall use these methodologies as guidelines. These methodologies are more fully detailed in the guidelines and standards of the North American Energy Measurement and Verification Protocol (NEMVP), in connection with the provision of M&V Services hereunder.

NEMVP Option A

Potential to Perform Verification and Performance Calculation

Option A is a verification approach designed for projects where the potential to perform needs to be verified, but the actual performance (savings) can be calculated based on the results of the “potential to perform and generate savings” verification and engineering calculations. Option A involves procedures for verifying that:

- Baseline conditions have been properly defined.
- The equipment and/or systems that were contracted to be installed have been installed.
- The installed equipment/systems meet the specifications of the contract in terms of quantity, quality, and rating.
- The installed equipment is operating and performing in accordance with the specifications in the contract and meeting all functional tests.
- The installed equipment/systems continue, during the term of the contract, to meet the specifications of the contract in terms of quantity, quality and rating, operation, and functional performance.

The potential to perform may be verified through inspections and/or spot or short-term metering conducted immediately before and/or immediately after project installation. Annual (or some other regular interval) inspections may also be conducted to verify an ECM's continued potential to perform and generate savings. Estimated factors used in calculations are supported by historical, published, or manufacturers' data. Savings are determined by means of engineering calculations of baseline and reporting period energy use based on measured and estimated values. With Option A, actual achieved energy or cost savings are not verified; they are predicted using engineering or statistical methods that do not involve long-term measurements. Reference: NEMVP Version 1.0

Measured Project Benefits from the following Conservation Measures will be calculated using Option A:

Table 2.2.1: Option A Measures

ECM #	ECM	M&V Option
ECM 1	Lighting - Interior Retrofit	A
ECM 2	Lighting - Exterior Retrofit	A
ECM 3	Building Envelope - Weatherization	A
ECM 4	Heating System - Boiler Replacement	A
ECM 5	Heating System - DHW/Furnace Controllers	A
ECM 6	Heating System - Steam Trap Replacement	A
ECM 7	Heating System - Pipe and Valve Insulation	A
ECM 8	Air Conditioning Compressor Controllers	A
ECM 9	Refrigeration Compressor Controllers	A
ECM 10	Energy Efficient Transformers	A
ECM 11	Renewable Energy- Photovoltaic Generation	A
ECM 12	Plug Load Controllers	A

ECM 1: Lighting – Interior Retrofit

M&V Option: NEMVP-A (One Time*).

Measurement Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the light fixtures subject to the lighting retrofit project.

Measured Key Parameter: kW

Estimated Parameter: Standard SED hours of operation as set forth at Exhibit 7 of Schedule 2

Interaction: Lighting kw reduction leads to increase in heat energy usage during winter and decrease in cooling energy usage during summer. The net energy usage due interaction will be accounted during pre-retrofit and post-retrofit savings calculation.

Measuring Equipment: True-RMS Wattmeter (kw measurement) and light meter (light level measurement)

Measuring Equipment Accuracy:

True RMS Watt Meter: $\pm 3\%$ of measurement range

Light Meter: $\pm 3\%$ of measurement range

Measuring Equipment Calibration: Equipment will be quality checked for calibration at the time of measurement and documented in the M&V report.

Measurement Period: One-minute average

Measurement Frequency: One-time post-retrofit measurement. Inspection checks for remainder of M&V Services Period

Measurement and Verification Details:

Sampling Procedure:

To reduce M&V cost, all fixtures installed will not be measured, an effective NEMVP recommended sampling method will be used. Lighting fixture types that account for greater than 10% of the total fixtures installed will be measured. Lighting fixtures will be separated to homogenous groups and sampled to achieve $\pm 20\%$ precision with 80% confidence assuming a 0.5 coefficient of variance.

Measurement Procedure:

True RMS power measurements will be taken at the light switch that energizes the circuit containing only the sampled fixtures.

Quality Check Procedure:

In order to ensure that a room is not under lit due to lighting kw reduction, a sample of light levels pre and post retrofit will be measured. This data will be compared against the ASHRAE/IES recommended light levels for each space usage type. The installation team will check the lighting installation line by line. The M&V team will quality check the line by line and take photographs of sample spaces for documentation.

Pre-Installation Activities:

Pre-retrofit lighting kw will be analyzed and listed in the lighting line by line by location and fixture type. The kw data from the line by line will be used for pre-retrofit savings calculation. Pre-kw will be sampled and measured to validate the line by line. Light level will be quality checked.

Post-Installation Activities:

Post-kw measurements will be sampled and measured once after retrofit and will be used for remainder of the M&V Services Period. Light level will be quality checked one time. Inspection results and JCI warranty commitments will be communicated to the Customer in writing to maximize warranty benefits. Warranty claim procedure will be the responsibility of the Customer.

Formulas and run hours in the DEA will be used to calculate the savings.

ECM 2: Lighting - Exterior Retrofit

M&V Option: NEMVP-A (One Time)

Measurement Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the light fixtures subject to the lighting retrofit project.

Measured Key Parameter: kW,

Verification Period & Frequency: One time during post-retrofit year in Customer's presence.

Measuring Equipment: True-RMS Wattmeter (kw measurement) and light meter (light level measurement)

Measuring Equipment Accuracy:

True RMS Watt Meter: $\pm 3\%$ of measurement range

Light Meter: $\pm 3\%$ of measurement range

Measuring Equipment Calibration: Equipment will be quality checked for calibration at the time of measurement and documented in the M&V report.

Measurement Period: One-minute average

Measurement Frequency: One-time post-retrofit measurement. Inspection checks for remainder of M&V Services Period

Measurement and Verification Details:

Sampling Procedure:

To reduce M&V cost, all fixtures installed will not be measured, an effective NEMVP recommended sampling method will be used. Lighting fixture types that account for greater than 10% of the total fixtures installed will be measured. Lighting fixtures will be separated to homogenous groups and sampled to achieve $\pm 20\%$ precision with 80% confidence with an assumed 0.5 coefficient of variance.

Measurement Procedure:

True RMS power measurements will be taken at the panel that energizes the circuit containing only the sampled fixtures.

Quality Check Procedure:

In order to ensure that an area is not under lit due to lighting kw reduction, a sample of light levels pre and post retrofit will be measured. This data will be compared against the ASHRAE/IES recommended light levels for each area type. The installation team will check the lighting installation line by line. The M&V team will quality check the line by line and take photographs of sample fixtures for documentation.

Pre-Installation Activities:

Pre-retrofit lighting kw uses NYSEDA values. These will be analyzed and listed in the lighting line by line by location and fixture type. The kw data from the line by line will be used for pre-retrofit savings calculation. Pre-kw will be sampled and measured to validate the line by line. Light level will be quality checked.

Post-Installation Activities:

Post-kw measurements will be sampled and measured once after retrofit and will be used for remainder of the M&V Services Period. Light level will be quality checked one time. Inspection results and JCI warranty commitments will be communicated to the customer to maximize warranty benefits. Warranty claim procedure will be the responsibility of the Customer with the. Visual inspections of a sample of fixtures will occur annually.

Formulas and run hours in the DEA will be used to calculate the savings.

ECM 3: Building Envelope – Weatherization

M&V Option: NEMVP-A (One Time)

Measurement Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the items that are subject to this building envelope improvement project.

Interaction: All thermal ECMs.

Verification Equipment: Infrared camera, thermal gun and measuring tape

Verification Period & Frequency: One time during post-retrofit year in Customer's presence and under appropriate weather conditions as agreed to by Customer.

Pre-Installation Activities:

A digital camera will primarily be used to document the pre-retrofit conditions. An infrared camera will be used to capture the thermo graphic image of pre-retrofit thermal leaks. Linear footage of weatherization will be measured using a measuring tape.

Post-Installation Activities:

A digital camera will primarily be used to document the post-retrofit conditions. An infrared camera will be used to capture the thermo graphic image of post retrofit thermal leaks. Linear footage of weatherization will be measured using a measuring tape. Visual inspections of a sample set for the remainder of the M&V services period.

Formulas and values in the DEA will be used to calculate the savings

ECM 4: Heating System - Boiler Replacement

M&V Option: NEMVP-A (One Time)

Verification Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the items that are subject to this boiler burner replacement project.

Verification Period & Frequency: One time during both pre-retrofit period and post-retrofit period

Pre-Installation Activities: A combustion efficiency test using a combustion analyzer will be performed to measure the existing operating efficiency of the boilers at a minimum 80% load.

Post- Installation Activities:

A digital camera will be used to document the post- retrofit conditions. Inspect and verify the installed boilers to see if they meet the specifications of the DEA in terms of quantity and capacity. Verify if they perform in accordance

with the functional specifications in the DEA and meeting all functional tests and provide start up report for each unit. A combustion efficiency test using a combustion analyzer will be performed on the new boilers at a minimum 80% load to confirm that they meet the efficiency specified in the calculations.

Formulas and run hours in the DEA will be used to calculate the savings.

ECM 5: Heating System – DHW/Furnace Controllers

M&V Option: NEMVP-A (One Time)

Verification Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the items that are subject to this boiler burner controller project.

Verification Period & Frequency: One time during both pre-retrofit period and post-retrofit period.

Pre-Installation Activities: Verify that the equipment does not have any burner controllers installed on them.

Post- Installation Activities:

A digital camera will be used to document the post- retrofit conditions. Inspect and verify installed boiler controllers to see if they meet the specifications of the contract in terms of quantity, quality and rating. Verify if they perform in accordance with all functional tests and provide start up and check out report for each unit. Visual inspections every year thereafter.

Formulas and run hours in the DEA will be used to calculate the savings.

ECM 6: Heating System – Steam Trap Replacement

M&V Option: NEMVP-A (One Time)

Verification Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the items that are subject to the steam trap replacement project.

Verification Period & Frequency: One time during both pre-retrofit period and post-retrofit period.

Pre-Installation Activities:

Document the pre-existing steam trap conditions with a digital camera.

Post- Installation Activities:

Accuracy of the as built will be verified (sampling will be conducted as detailed in the sampling procedure). A digital camera will be used to document the post-retrofit conditions. A thermal gun or an infrared camera will be used to verify installation. Visual inspections of a sample of steam traps will occur annually.

Formulas and run hours in the DEA will be used to calculate the savings.

ECM 7: Heating System - Pipe and Valve Insulation

M&V Option: NEMVP-A (One Time)

Measurement Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the items that are subject to this Pipe and Valve Insulation project.

Verification Equipment: Thermal gun (or infrared camera) and measuring tape

Verification Frequency & Period: One time during both pre-retrofit period and post-retrofit period

Pre-Installation Activities:

A thermal gun will be used to measure surface temperatures, or an infrared camera will be used to capture the thermo graphic image of pre-retrofit thermal leaks.

Post- Installation Activities:

Accuracy of the as built will be verified (sampling will be conducted as detailed in the sampling procedure). A digital camera will be used to document the post-retrofit conditions. A thermal gun or an infrared camera will be used to verify installation. Visual inspections of a sample of insulation will occur annually.

Formulas and run hours in the DEA will be used to calculate the savings.

ECM 8: Air Conditioning Compressor Controllers

M&V Option: NEMVP-A (One Time)

Verification Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the items that are subject to air conditioning compressor controller project.

Verification Period & Frequency: One time during both pre-retrofit period and post-retrofit period.

Pre-Installation Activities:

A digital camera will be used to document that a controller does not exist.

Post-Installation Activities:

A digital camera will be used to document the post- retrofit conditions. Inspect and verify the air conditioning compressor controller installation to see if they meet the specifications of the DEA in terms of quantity. Verify if they perform in accordance with the functional specifications in the contract and meeting all functional tests. An annual visual inspection of a sample of units will occur to ensure the equipment is still in place and operational.

Formulas and run hours in the DEA will be used to calculate the savings.

ECM 9: Refrigeration Compressor Controllers

M&V Option: NEMVP-A (One Time)

Verification Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the items that are subject to the refrigeration compressor controller project.

Verification Period & Frequency: One time during both pre-retrofit period and post-retrofit period.

Pre-Installation Activities:

Document with the digital camera that the compressor controllers are not installed.

Post-Installation Activities:

A digital camera will be used to document the post- retrofit conditions. Inspect and verify the refrigeration compressor controller installation to see if they meet the specifications of the DEA in terms of quantity, quality and rating. Verify if they perform in accordance with the specifications in the DEA and meeting all functional tests and

provide start up report for each unit. An annual visual inspection of a sample of units will occur to ensure the equipment is still in place and operational.

Formulas and run hours in the DEA will be used to calculate the savings.

ECM 10: Energy Efficient Transformers

M&V Option: NEMVP-A (One Time)

Verification Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the items that are subject to energy efficient transformer project.

Verification Period & Frequency: One time during both pre-retrofit period and post-retrofit period.

Pre-Installation Activities:

A digital camera will be used to document the old transformers.

Post-Installation Activities:

A digital camera will be used to document the post- retrofit conditions. Inspect and verify the energy efficient transformers to see if they meet the specifications of the DEA in terms of quantity. Measure the efficiency of the transformers and verify that they meet the contract cut sheet efficiency specification. Verify that the transformers meet all functional tests. An annual visual inspection of a sample of units will occur to ensure the equipment is still in place and operational.

Formulas and run hours in the DEA will be used to calculate the savings.

ECM 11: Renewable Energy- Photovoltaic Generation

M&V Option: NEMVP-A (Short term)

Verification Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the items that are subject to this photovoltaic electric generation project.

Measuring Equipment: PV dashboard will log 15-minute interval data for kW, kWh and solar irradiance.

Interaction: Electrical System

Key Parameter	Measurement Frequency	Measurement Description (including sampling plan)
Electricity Generated (kW and kWh)	One summer month during performance year 1	The amount of electricity generated (kW and kWh) will be verified using data from the inverter. Measurements from all the panels installed by the project will be used.
Sunshine for Normalization (Measured as irradiance (kWh/m ²))	One summer month during performance year 1	Average expected Irradiance data for Long Island, NY is used to calculate the contract savings.

Month	Contract Assumption for Expected Irradiance in Long Island, NY Area (kWh/m ²)
January	61.6
February	80.3
March	129.7
April	147.1
May	169.3
June	178.4
July	185.4
August	162.8
September	133.4
October	99.4
November	61.0
December	53.8
Annual	1462.2

The energy production guarantee shall assume the monthly baseline (reference) solar irradiance as shown above. On a monthly basis, the average amount of electricity produced per kWh/m² of solar irradiance will be calculated and the savings will be adjusted accordingly:

$$kWh_{Adjusted} = (kWh_{measured}) \left(\frac{kWh/m^2_{contract}}{kWh/m^2_{measured}} \right) (\%RSS_{adjusted})$$

Where kWh/m² is the irradiance. The achieved dollar savings shown in Table 2.3 are based on the rates shown in Exhibit 6.

$$\%RSS_{Month} = \left(\frac{Irradiance (kWh/m^2)_{Month}}{Irradiance (kWh/m^2)_{Total}} \right)$$

$$\%RSS_{adjusted} = \sum_{1-12}^{Month} (\%RSS_{Month}) \left(\frac{Days_{Month} - (Days_{offline}) \left(\frac{Panels_{offline}}{Panels_{total}} \right)}{Days_{Month}} \right)$$

Where %RSS_{month} = Percentage of the total annual solar resource for that month
 Days_{month} = number of days in that month, Days_{offline} = number of days each inverter is offline
 Panels_{offline} = number of panels offline, Panels_{total} = total number of panels installed

kWh impact of any production factors that occur during the measurement period. Production factors are defined as events outside JCI control that has the effect of reducing kWh generation or failures in system operation due to maintenance that influences data collection and recording for complete and accurate data pertaining to production and weather. Other production factors include, but are not limited to, physical obstructions or interference with the solar irradiation of each array (i.e. over shadowing or shading), snow-frost-ice, utility grid outages, outages directed by the owner-customer, casualty events, Force Majeure events, theft, vandalism, equipment failure, DAS failure (lost connection or data), or utility system permit events (system disabled).

ECM 12: Plug Load Controllers

M&V Option: NEMVP-A (One Time)

Verification Boundary: Retrofit isolation – Project savings will be determined within the measurement boundary that encompasses only the items that are subject to the Plug Load Management project.

Interaction: Electric ECMS

Performance Contract [Rev 15 EC] 04/09
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Measured Key Parameter: Operating Schedule

Measuring Equipment: M&V BERT Kit

Measuring Equipment Calibration: Equipment will be quality checked for calibration at the time of measurement and documented in the M&V report.

Verification Period & Frequency: One time two weeks prior to installation and one time two weeks after installation

Pre-Installation Activities: M&V BERT Kit will be installed on 10% of the equipment that will be controlled for a period of two weeks to establish the baseline operating schedule.

Post-Installation Activities: A digital camera will be used to document the post- retrofit conditions. Inspect and verify the BERT installation to see if they meet the specifications of the contract in terms of quantity and functionality. Once the Bert plugs are installed, schedules are established and operational; we will collect usage schedule data for two-week period and compare it to the baseline to validate savings. An annual visual inspection of a sample of units will occur to ensure the equipment is still in place and operational.

Formulas and run hours in the DEA will be used to calculate the savings.

III. MEASURED PROJECT BENEFITS

Table 2.3 below defines and describes the ECMs included in this guarantee that comprise Measured Utility Cost Avoidance savings:

Table 2.3: Measured Project Benefits Summary

ECM #	Energy Conservation Measure (ECM)	Savings						
		Electric Usage		Electric Demand		Natural Gas Usage		Total
		\$	kWh	\$	kW	\$	Therms	\$
1	Lighting - Interior Retrofit	\$74,842	454,303	\$21,825	140	-\$9,111	(882)	\$87,556
2	Lighting - Exterior Retrofit	\$12,670	77,262	\$0	-	\$0	-	\$12,670
3	Building Envelope - Weatherization	\$709	4,334	\$0	-	\$10,587	1,011	\$11,296
4	Heating System - Boiler Replacement	\$0	-	\$0	-	\$17,905	1,763	\$17,905
5	Heating System - DHW/Furnace Controllers	\$0	-	\$0	-	\$3,471	335	\$3,471
6	Heating System - Steam Trap Replacement	\$0	-	\$0	-	\$24,802	2,406	\$24,802
7	Heating System - Pipe and Valve Insulation	\$0	-	\$0	-	\$10,690	1,023	\$10,690
8	Air Conditioning Compressor Controllers	\$14,939	90,717	\$0	-	\$0	-	\$14,939
9	Refrigeration Compressor Controllers	\$1,053	6,429	\$0	-	\$0	-	\$1,053
10	Energy Efficient Transformers	\$9,242	56,030	\$1,601	8	\$0	-	\$10,843
11	Renewable Energy- Photovoltaic Generation	\$171,677	1,037,522	\$0	-	\$0	-	\$171,677
12	Plug Load Controllers	\$11,706	71,106	\$0	-	\$0	-	\$11,706
	TOTAL	\$296,838	1,797,704	\$23,426	148	\$58,345	5,655	\$378,609

IV. OPERATIONAL & MAINTENANCE (O&M) & REBATE PROJECT BENEFITS

Operational and Maintenance Cost Avoidance:

M&V Option: NEMVP-A

For measures where the baseline (or boundary) is well understood, and measure operating hours are not expected to change, only the “change in equipment performance” is needed in order to calculate the savings (or cost avoidance).

Lighting Operational Cost Avoidance is calculated by comparing the existing lamp and ballast average failure rate and replacement cost with the proposed project replacement lamp and ballast average failure rate and replacement cost. Measure operating hours are not expected to change. The average annual savings for all schools is determined to be \$24,141.

Boiler Operational Cost Avoidance is calculated by comparing the cost of repairing the existing boilers versus the newly installed boilers. The reduction in repairs of the new boilers is deemed to be cost avoidance. The average annual savings for all schools is determined to be \$18,000.

Total Operational Cost Avoidance: \$42,141

The O & M savings are based on the scope of work as well as discussions with the customer. Customer agrees that the O&M Project Benefits are reasonable and supportable, and that the installation of the Improvement Measures will enable Customer to take actions that will result in the achievement of such O&M Project Benefits.

Energy Rebates/Incentives:

Total Rebates: \$61,000

JCI will apply for electric and natural gas rebate programs at the time of application. JCI hereby guarantees the rebate amount and if the customer receives the rebate less than the guaranteed amount then JCI will pay the difference in rebates to the Customer or make up the difference with excess energy savings. All guaranteed rebates and incentives shall inure to the benefit of Customer. All guaranteed rebates and/or incentives shall be payable to Customer. JCI shall be responsible for assuring that said guaranteed rebates/incentives are distributed to Customer. JCI anticipates the rebates will be secured by the end of the Guarantee Year 1. No shortfall will be paid if the total rebates match the guaranteed amount, regardless of when they are received. If the Customer receives higher than the guaranteed rebate amount, the excess rebates will be assigned to JCI.

V. CHANGES IN USE OR CONDITION

ADJUSTMENT TO BASELINE AND/OR ANNUAL PROJECT BENEFITS

Customer agrees to notify JCI, within fourteen (14) days, of (i) any actual or intended change, whether before or during the M&V Services Period, in the use of any facility, equipment, or Improvement Measure to which this Schedule applies; (ii) any proposed or actual expansions or additions to the premises or any building or facility at the premises; (iii) a change to utility services to all or any portion of the premises; or (iv) any other change or condition arising before or during the M&V Services Period that reasonably could be expected to change the amount of Project Benefits realized under this Agreement.

Such a change, expansion, addition, or condition would include, but is not limited to: (a) changes in the primary use of any facility, Improvement Measure, or portion of the premises; (b) changes to the hours of operation of any facility, Improvement Measure, or portion of the premises; (c) changes or modifications to the Improvement Measures or any related equipment; (d) changes to the M&V Services provided under this Agreement; (e) failure of any portion of the premises to meet building codes; (f) changes in utility suppliers, utility rates, method of utility billing, or method of utility purchasing; (g) insufficient or improper maintenance or unsound usage of the Improvement Measures or any related equipment at any facility or portion of the premises (other than by JCI); (h) changes to the Improvement Measures or any related equipment or to any facility or portion of the premises required by building codes or any governmental or quasi-governmental entity; or (i) additions or deletions of Improvement Measures or any related equipment at any facility or portion of the premises.

Such a change or condition need not be identified in the Baseline in order to permit JCI to make an adjustment to the Baseline and/or the Annual Project Benefits. If JCI does not receive the notice within the time period specified above or travels to either Customer's location or the project site to determine the nature and scope of such changes, Customer agrees to pay JCI, in addition to any other amounts due under this Agreement, the applicable hourly consulting rate for the time it took to determine the changes and to make any adjustments and/or corrections to the project as a result of the changes, plus all reasonable and documented out-of-pocket expenses, including travel costs. Upon receipt of such notice, or if JCI independently learns of any such change or condition, JCI shall calculate and send to Customer a notice of adjustment to the Baseline and/or Annual Project Benefits to reflect the impact of such change or condition, and the adjustment shall become effective as of the date the change or condition first arose. Should Customer fail to promptly provide JCI with notice of any such change or condition, JCI may make reasonable estimates as to the impact of such change or condition and as to the date on which such change or condition first arose in calculating the impact of such change or condition, and such estimates shall be conclusive.

VI. BASELINE CALCULATIONS AND UTILITY RATES

The unit utility costs for the Baseline period are set forth below as “Base Utility Cost” and shall be used for all calculations made under this Schedule. The Base Utility Cost shall be escalated annually by the actual utility cost escalation, but such escalation shall be no less than the mutually agreed “floor” escalation rate of 3.5%. The Base Utility Cost for each type of utility represents the 12-month average utility costs from July 2021 through June 2022. The customer did not use any oil during the base year, therefore all thermal savings are based on gas consumption and associated rates.

Electrical Rates

Table 2.6.1: Baseline Electrical Consumption Data & Rates

Name	Demand kW	Avg kW Cost	Electric Usage kWh	Usage kWh Cost	Unblended \$/kWh	Total Electric Cost
Manhasset High/Middle School	558	\$16.39	1,921,680	\$317,053	\$0.16	\$426,848
Shelter Rock Elementary School	191	\$16.66	856,200	\$143,027	\$0.17	\$181,199
Munsey Park Elementary School	173	\$16.24	744,640	\$120,613	\$0.16	\$154,377
District Office	32	\$17.63	131,200	\$19,895	\$0.15	\$26,752
	955		3,653,720	\$600,589		\$789,176

The above rates shown in Table 2.6.1 will be known as **Floor Electrical Rates**, for the purpose of the Assured Performance Guarantee. Beginning in year 1, the annual calculated electric rates are expected to increase every year. In the event that the annual rates are lower than the above baseline rates, the 3.5% escalated floor rates will be substituted for the annual calculated rate.

The Electric Rates will be averaged over the course of the one-year baseline period, as provided by customer. In turn, the Incremental Electric Rate (IER), and the Demand Rate (DR) will be averaged annually over the course of the reporting periods, as reflected on utility invoices, for equitable cost avoidance savings reporting.

The following formula will be used to calculate the current reporting period Incremental Energy Rate (IER):

FORMULA B-2

$$IER = \frac{\sum TKC_{1-12}}{\sum TKWH_{1-12}}$$

Where:

IER: Incremental Electrical Rate (Dollars per kWh)

$\sum TKC_{1-12}$: Sum Total of Monthly Electrical Utility Costs (Dollars) for kWh included Fuel Adjustment Cost and other related Energy Charges for Months 1 Through 12 of the current reporting period.

$\sum TKWH_{1-12}$: Sum Total of Monthly Electrical Incremental Use (kWh) for Months 1 Through 12 of the current reporting period.

The following formula will be used to calculate the current reporting period Incremental Demand Rate (DR):

FORMULA B-3

$$DR = \frac{\sum TKC_{1-12}}{\sum TKWH_{1-12}}$$

Where:

DR: Demand Electrical Rate (Dollars per kW)

$\sum TKC_{1-12}$: Sum Total of Monthly Electrical Utility Costs (Dollars) for kW included Fuel Adjustment Cost and other related Energy Charges for Months 1 Through 12 of the current reporting period.

$\sum TKW_{1-12}$: Sum Total of Monthly Electrical Demand Use (kW) for Months 1 Through 12 of the current reporting period.

Natural Gas Rates

Table 2.6.2: Baseline Gas Consumption Data & Rates

Name	Gas Usage Therms	Gas Cost	Cost per Therm
Manhasset High/Middle School	175,132	\$177,892	\$1.02
Shelter Rock Elementary School	90,344	\$95,902	\$1.06
Munsey Park Elementary School	81,687	\$86,118	\$1.05
District Office	5,522	\$7,758	\$1.40
	352,685	\$367,671	\$1.04

The above rates shown above in Table 2.6.2 will be known as **Floor Natural Gas Rates**, for the purpose of the Assured Performance Guarantee. Beginning with year 1, the annual calculated natural gas rates are expected to increase every year. In the event that the annual rates are lower than the above baseline rates, the 3.5% escalated floor rates will be substituted for the annual calculated rate.

The natural gas unit costs have been averaged over the course of the one-year period. In turn, unit costs will be averaged over the course of the reporting period, as reflected on utility invoices, for equitable cost avoidance savings reporting.

The following formulas will be used to calculate the current reporting period Fuel Rate(s) for Natural Gas:

FORMULA G-1

$$NGR = \frac{\sum TGC_{1-12}}{\sum TGU_{1-12}}$$

Where:

NGR: Natural Gas Rate (\$/Therm)

$\sum TGC_{1-12}$: Sum Total of Monthly Gas Costs (\$)

$\sum TGU_{1-12}$: Sum Total of Monthly Gas Purchased (Therms) for Months 1 Through 12 of the reporting period.

Energy Conversion Conventions

For purposes of this Guarantee the follow fuel conversions will apply:

- 1 CCF (100 cubic feet) of Natural Gas = 103,000 Btus (British Thermal Units)
- 1 Therm of Natural Gas = 100,000 Btus
- 1 MMBtu of Natural Gas = 1,000,000 Btus
- 1 Decatherm of Natural Gas = 1,000,000 Btus
- 1 Gallon of Fuel Oil = 139,000 Btus

VII. PRIMARY OPERATIONS SCHEDULE PRE & POST RETROFIT

District Pre and Post Operation Schedule:

Monthly occupancy schedule

Month	Existing				Proposed			
	Weeks Per Month				Weeks Per Month			
	Manhasset Secondary School	Shelter Rock Elementary School	Munsey Park Elementary School	District Office	Manhasset Secondary School	Shelter Rock Elementary School	Munsey Park Elementary School	District Office
Jan	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43
Feb	4.00	4	4	4	4.00	4	4	4
Mar	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43
Apr	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29
May	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43
Jun	2	2	2	2	2	2	2	2
Jul	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0
Sep	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29
Oct	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43
Nov	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29
Dec	4.43	4.43	4.43	4.43	4.43	4.43	4.43	4.43

Weekly occupancy schedule

Day	Existing				Proposed			
	Days of the week				Days of the week			
	Manhasset Secondary School	Shelter Rock Elementary School	Munsey Park Elementary School	District Office	Manhasset Secondary School	Shelter Rock Elementary School	Munsey Park Elementary School	District Office
Monday	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied
Tuesday	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied
Wednesday	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied
Thursday	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied
Friday	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied	Occupied
Saturday	Occupied	Unoccupied	Unoccupied	Unoccupied	Occupied	Unoccupied	Unoccupied	Unoccupied
Sunday	Unoccupied	Unoccupied	Unoccupied	Unoccupied	Unoccupied	Unoccupied	Unoccupied	Unoccupied

Daily occupied hours

School/Building	Existing			Proposed		
	Midnight - 8 AM	8 AM - 4 PM	4 PM - Midnight	Midnight - 8 AM	8 AM - 4 PM	4 PM - Midnight
Manhasset Secondary School	2	8	8	2	8	8
Shelter Rock Elementary School	2	8	8	2	8	8
Munsey Park Elementary School	2	8	8	2	8	8
District Office	2	8	2	2	8	2

Space temperature setpoints

School/Building	Summer Inside Setpoint (°F)				Winter Inside Setpoint (°F)			
	Existing Occupied	Existing Unoccupied	Proposed Occupied	Proposed Unoccupied	Existing Occupied	Existing Unoccupied	Proposed Occupied	Proposed Unoccupied
Manhasset Secondary School	72	80	78	80	72	68	68	55
Shelter Rock Elementary School	72	80	78	80	72	68	68	55
Munsey Park Elementary School	72	80	78	80	72	68	68	55
District Office	72	80	78	80	72	68	68	55

VIII. MEASUREMENT & VERIFICATION SERVICES

JCI will provide the M&V Services set forth below in connection with the Assured Performance Guarantee.

1. During the Installation Period, a JCI Performance Engineer will track Measured Project Benefits. JCI will report the Measured Project Benefits achieved during the Installation Period, to Customer within 60 days of the commencement of the Guarantee Period.
2. During the M&V Services Period, within 60 days of each anniversary year of the commencement of the M&V Services Period, JCI will provide Customer with an annual report containing:
 - A. an executive overview of the project's performance and Project Benefits achieved to date;
 - B. a summary analysis of the Measured Project Benefits accounting; and
 - C. depending on the M&V Option, a detailed analysis of the Measured Project Benefits calculations.
3. During the M&V Services Period, a JCI Performance Engineer will monitor the on-going performance of the Improvement Measures, as specified in this Agreement, to determine whether anticipated Measured Project Benefits are being achieved. In this regard, the Performance Engineer will periodically assist Customer, on-site or remotely, with respect to the following activities:
 - A. review of information furnished by Customer from the facility management system to confirm that control strategies are in place and functioning;
 - B. advise Customer's designated personnel of any performance deficiencies based on such information;
 - C. coordinate with Customer's designated personnel to address any performance deficiencies that affect the realization of Measured Project Benefits; and
 - D. inform Customer of opportunities to further enhance project performance and of opportunities for the implementation of additional Improvement Measures.
4. For specified Improvement Measures utilizing an "Option A" M&V protocol, JCI will:
 - A. conduct pre and post installation measurements required under this Agreement;
 - B. confirm the building management system employs the control strategies and set points specified in this Agreement; and
 - C. analyze actual as-built information and adjust the Baseline and/or Measured Project Benefits to conform to actual installation conditions (e.g., final lighting and water benefits calculations will be determined from the as-built information to reflect the actual mix of retrofits encountered during installation).
 - D. confirm that the appropriate metering and data points required to track the variables associated with the applicable Improvement Measures' benefits calculation formulas are established; and
 - E. set up appropriate data capture systems (e.g., trend and totalization data on the facility management system) necessary to track and report Measured Project Benefits for the applicable Improvement Measure.
 - F. Trend data records maintained in the ordinary course of system operation shall be used and relied upon by Johnson Controls to in connection with Project Benefit calculations. JCI will use commercially reasonable efforts to ensure the integrity of the data collected to calculate the required savings. In the event data are lost due to equipment failure, power failure or other interruption in data collection, transmission or storage, JCI will use reasonable engineering methods to estimate the impact of the lost data.

CUSTOMER RESPONSIBILITIES

In order for JCI to perform its obligations under this Agreement with respect to the Work, the Assured Performance Guarantee, and the M&V Services, Customer shall be responsible for:

1. Providing JCI, its subcontractors, and its agents reasonable and safe access to all facilities and properties that are subject to the Work and/or M&V Services;
2. Providing for shut down and scheduling of affected locations during installation, including timely shutdowns of chilled water and hot water systems as needed to accomplish the Work and/or M&V Services;
3. Providing timely reviews and approvals of design submissions, proposed change orders, and other project documents;
4. To the extent applicable to the Scope of Work and to the extent available to the Customer, providing the following information with respect to the project and project site as soon as practicable following JCI's request:
 - a. surveys describing the property, boundaries, topography and reference points for use during construction, including existing service and utility lines;
 - b. geotechnical studies describing subsurface conditions, and other surveys describing other latent or concealed physical conditions at the project site;
 - c. temporary and permanent easements, zoning and other requirements and encumbrances affecting land use, or necessary to permit the proper design and construction of the project and enable JCI to perform the Work;
 - d. a legal description of the project site;
 - e. as-built and record drawings of any existing structures at the project site; and
 - f. environmental studies, reports and impact statement describing the environmental conditions, including hazardous conditions or materials, in existence at the project site.
5. To the extent applicable to the Scope of Work, securing and executing all necessary agreements with adjacent land or property owners that are necessary to enable JCI to perform the Work;
6. Providing assistance to JCI in obtaining any permits, approvals, and licenses that are JCI's responsibility to obtain as set forth in Schedule 1;
7. Obtaining any permits, approvals, and licenses that are necessary for the performance of the Work and are not JCI's responsibility to obtain as set forth in Schedule 1;
8. Properly maintaining, and performing appropriate preventative maintenance on, all equipment and building systems affecting the Assured Performance Guarantee in accordance with manufacturers' standards and specifications;
9. Providing the utility bills, reports, and similar information reasonably necessary for administering JCI's obligations under the Assured Performance Guarantee within five (5) days, or as soon as is reasonably practical, of Customer receipt and/or generation or JCI's request therefor;
10. Providing all records relating to energy and/or water usage and related maintenance of the premises and relevant equipment requested by JCI;

Schedule 3

11. Promptly notifying JCI of any change in use or condition described in Schedule 2 under section titled: " Adjustment to Baseline and/or Annual Project Benefits" or any other matter that may impact the Assured Performance Guarantee;
12. If any equipment under control is changed out, moving the controls and the controls programming to the new equipment;
13. Providing room for a laydown area, parking, room for a dumpster, necessary office space.

PRICE AND PAYMENT TERMS

Customer shall make payments to JCI pursuant to this Schedule 4.

1. **Total Project Costs.** The price to be paid by Customer for the Work, including payment for JCI, the Architect/Engineer, and Construction Manager, is \$7,595,359.

Architect/Engineer's Fee:	\$ 360,345
Construction Manager's Fee:	\$ 28,105
JCI's Price:	\$ 7,206,909
Total Project Cost:	\$ 7,595,359

Payments (including payment for materials delivered to JCI and work performed on and off-site) shall be made to JCI as follows:

First payment due: 30% down payment, or \$2,278,608, due upon NYSED approval, customer's securing of acceptable financing, and the issuance of the notice to proceed. Balance shall be invoiced monthly using AIA Invoice format.

Customer shall make payment to JCI against monthly invoices for work completed and approved during the previous month in accordance with the agreed upon Schedule of Values. Payments will be made within thirty (30) days of receipt of each monthly invoice on a progress payment basis for work completed and accepted by the Customer and the Architect using the AIA format. JCI must attach certified payrolls to each application for payment, together with supporting documents as required by the Customer and Architect, including but not limited to any lien waivers for the work completed.

Payments are due upon Customer's receipt of JCI's invoice and shall be paid within thirty (30) days. Invoicing disputes must be identified in writing within twenty-one (21) days of the date of the invoice. Payment of disputed amounts are due and payable upon resolution. All other amounts remain due within thirty (30) days. Payment is a condition precedent to JCI's obligation to perform the Work hereunder.

Customer's failure to make payments when due, after written notice thereof to Customer and a thirty (30) day period to cure, will give JCI, without prejudice to any other right or remedy, the right to stop performing any Work or M&V Services, withhold deliveries of equipment and other materials, terminate or suspend any unpaid software licenses, and/or terminate this Agreement.

2. **Payments for Architectural/Engineering Services.** JCI shall be responsible for making payments directly to JAG as set forth herein. The total fee to be paid to the Architect is \$360,345. JCI will make payments to JAG according to the following schedule:

- a. 25% upon full execution of this Agreement;
- b. 25% upon submittal of plans and specifications to NYSED;
- c. 25% upon approval of plans and specifications by NYSED; and
- d. 25% upon Substantial Completion.

Schedule 4

3. **Payments for Construction Manager Services.** JCI shall be responsible for making payments directly to SCC as set forth herein. The total fee to be paid to the SCC is \$28,105. JCI will make payments to SCC according to the Schedule of Values listed in AIA Invoices, following JCI's receipt of the Notice to Proceed.

4. **M&V Services.** M&V Services for the project from the Installation Period through Year 3 are included in the total price for the Work set forth in clause 1 above.

NOTICE TO PROCEED

Johnson Controls, Inc.
6 Aerial Way
Syosset, NY 11791
ATTN: Danny Haffel

Re: Notice to Proceed for Manhasset Public Schools EPC

Dear Mr. Haffel:

This Notice to Proceed is being issued by Manhasset Public Schools ("Customer") to Johnson Controls, Inc. ("JCI") pursuant to that certain Performance Contract entered into between Customer and JCI for the purpose of notifying JCI to commence work under such contract.

In the event that this Notice to Proceed is delivered by Customer prior to the execution of the Performance Contract by Customer and JCI, Customer understands and expects JCI will incur significant costs and expenses in complying with this Notice to Proceed. In the event the Performance Contract is not executed by the parties, for any reason, Customer agrees to pay JCI for its costs and fees incurred in complying with this Notice to Proceed on a time and material basis. Customer also agrees JCI shall be entitled to a reasonable markup thereon for profit and overhead. Customer agrees to pay amounts billed by JCI no later than fifteen (15) days after Customer receives JCI's payment application. JCI will continue to submit payment applications to Customer until the Performance Contract is executed. Once the Performance Contract is executed, JCI will begin submitting its payment applications to Customer in accordance with the terms and conditions set forth therein. Any amounts already paid by Customer will be credited towards the Performance Contract price.

By signing and dating this Notice to Proceed, the parties hereto agree to these terms and represent and warrant they have the authority to execute this Notice to Proceed on behalf of their respective organizations.

MANHASSET PUBLIC SCHOOLS

Signature: _____

Printed Name: _____

Title: _____

Date: _____

ACKNOWLEDGED & AGREED TO:

JOHNSON CONTROLS, INC.

Signature: _____

Printed Name: _____

Title: _____

Date: _____

CHANGE ORDER

Performance Contract dated _____, 20____ between Johnson Controls, Inc. and Customer	Change Order No. _____	Date (mo/day/yr) _____
Customer Manhasset Public Schools		
The above referenced Performance Contract is hereby modified to the extent described below in accordance with the Terms and Conditions of the CHANGE ORDERS section thereof.		
Scope of Work changed as follows: 		
Total amount of this Change Order	\$	
Total Performance Contract amount as revised by this Change Order	\$	
The time for completion is: <input type="checkbox"/> increased, <input type="checkbox"/> decreased, <input type="checkbox"/> unchanged. The new completion date resulting from this Change Order is:		(mo, day, yr)
[check if applicable] Assured Performance Guarantee changed as follows: 		
Unless specifically changed by this Change Order, all terms, conditions and provisions of the above referenced Performance Contract remain unchanged and in full effect.		
JOHNSON CONTROLS, INC.	MANHASSET PUBLIC SCHOOLS	
Signature:	Signature:	
Printed Name:	Printed Name:	
Title:	Title:	

CERTIFICATE OF SUBSTANTIAL COMPLETION

PARTIES: JOHNSON CONTROLS, INC. ("JCI")
6 AERIAL WAY
SYOSSET, NY 11791.

MANHASSET PUBLIC SCHOOLS ("Customer")
200 MEMORIAL PLACE
MANHASSET, NY 11030

PROJECT: Manhasset Public Schools Performance Contract dated _____, 2023 between JCI and Customer

By executing this Certificate of Substantial Completion, Customer acknowledges the following:

- a. The work set forth in the Performance Contract is substantially complete.
- b. Customer has received the manuals, warranty information, and training required under the Performance Contract.
- c. The following punch list items must be completed by JCI (check as applicable):
 - punch list attached
 - punch list complete
- d. Upon completion of the punch list items, or if such punch list items are complete, JCI and Customer shall sign the Certificate of Final Completion attached hereto.

Dated _____, 20____.

MANHASSET PUBLIC SCHOOLS:
Signature: _____
Printed Name: _____
Title: _____

JOHNSON CONTROLS, INC.
Signature: _____
Printed Name: _____
Title: _____

CERTIFICATE OF FINAL COMPLETION

PARTIES: JOHNSON CONTROLS, INC. ("JCI")
6 AERIAL WAY
SYOSSET, NY 11791

MANHASSET PUBLIC SCHOOLS ("Customer")
200 MEMORIAL PLACE
MANHASSET, NY 11030

PROJECT: Manhasset Public Schools Performance Contract dated _____, 2023
between JCI and Customer

By executing this Certificate of Final Completion, Customer acknowledges the following:

- a. The work set forth in the Performance Contract has been reviewed and determined by Customer to be fully complete.
- b. Customer accepts the work as complete and hereby releases JCI's obligations under any performance and payment bonds posted for the project as of the date set forth below.

Dated _____, 20____.

MANHASSET PUBLIC SCHOOLS

JOHNSON CONTROLS, INC.

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Lighting Line by line (Manhasset School District Rev H (1-12-23))

Facility	Manhasset School District
Location	200 Memorial Place, Manhasset, NY 11030
Utility =	PSEGLI

Manhasset School District Rev-H (1-12-23)

Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	7098		7098		Estimated Hours for Energy Savings				396,785	118,030	514,815	159.1			
							Fixture Qty		Fixture Watts				SAVINGS				kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low					Hours Off
Manhasset Secondary School	1	1	5	5th Floor Classroom Entry	4' 4-Lamp 28W Wide Wrap Ceiling Mount LBF	Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	1	1	12	86	46	46	0	4,420	4,420	-	-	177	-	177	0.0
Manhasset Secondary School	2	2	5	5th Floor Storage	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	1,040	1,040	-	-	83	-	83	0.1
Manhasset Secondary School	3	3	5	5th Floor Restroom	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	1,560	1,560	-	-	22	-	22	0.0
Manhasset Secondary School	4	4	5	5th Floor Classroom (Costume Storage)	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0
Manhasset Secondary School	5	4	5	5th Floor Classroom (Costume Storage)	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	12	86	46	46	0	1,040	1,040	-	-	42	-	42	0.0
Manhasset Secondary School	6	5	5	5th Floor Classroom Storage	20W Circline Lamp Square Surface Fixture	11" LED Ceiling Mount Drum	1	1	10	20	16	16	0	1,040	1,040	-	-	4	-	4	0.0
Manhasset Secondary School	7	6	5	5th Floor Classroom Storage (02)	20W Circline Lamp Square Surface Fixture	11" LED Ceiling Mount Drum	1	1	10	20	16	16	0	1,040	1,040	-	-	4	-	4	0.0
Manhasset Secondary School	8	8	5	Stairway Down	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	4,420	4,420	-	-	62	-	62	0.0
Manhasset Secondary School	9	8	5	Stairway Down	24W CFL Pin BaseSquare Wall Mount Emergency Light	No Retrofit	1	1	10	26	26	26	0	4,420	4,420	-	-	-	-	-	-
Manhasset Secondary School	10	8	5	Stairway Down	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	15	45	23	23	0	4,420	4,420	-	-	194	-	194	0.0
Manhasset Secondary School	11	8	5	Stairway Down	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	12	86	46	46	0	3,120	3,120	-	-	125	-	125	0.0
Manhasset Secondary School	12	9	4	Classroom 400	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,163	2,163	-	-	381	-	381	0.2
Manhasset Secondary School	13	10	4	400 Storage	4' 1-Lamp 28W Narrow Strip LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Manhasset Secondary School	14	11	4	400 Hall & Stairs Down	24W CFL Pin BaseSquare Wall Mount Emergency Light	No Retrofit	1	1	10	26	26	26	0	4,420	4,420	-	-	-	-	-	-
Manhasset Secondary School	15	11	4	400 Hall & Stairs Down	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	15	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0
Manhasset Secondary School	16	11	4	400 Hall & Stairs Down	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0
Manhasset Secondary School	17	12	4	400 Hall Storage	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0
Manhasset Secondary School	18	13	4	400 Hall Storage (02)	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	832	832	-	-	37	-	37	0.0
Manhasset Secondary School	19	14	4	Classroom 401	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	12	12	10	45	27	22	5	2,163	1,622	324	216	467	259	727	0.3
Manhasset Secondary School	20	16	4	401 Stairs Down	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	4,420	4,420	-	-	62	-	62	0.0
Manhasset Secondary School	21	16	4	401 Stairs Down	24W CFL Pin BaseSquare Wall Mount Emergency Light	No Retrofit	1	1	10	26	26	26	0	4,420	4,420	-	-	-	-	-	-
Manhasset Secondary School	22	17	3	Elevator Hallway	24W CFL Pin BaseSquare Wall Mount Emergency Light	No Retrofit	2	2	10	26	26	26	0	4,420	4,420	-	-	-	-	-	-
Manhasset Secondary School	23	17	3	Elevator Hallway	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	7	7	10	45	23	23	0	4,420	4,420	-	-	681	-	681	0.2

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
SAVINGS			

Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Manhasset Secondary School	24	18	3	Storage 321	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Manhasset Secondary School	25	19	3	Mechanical Room 314	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0
Manhasset Secondary School	26	20	3	Storage 319	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Manhasset Secondary School	27	21	3	Storage 319 (02)	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Manhasset Secondary School	28	22	3	Auditorium Balcony	24W CFL Pin Base Square Wall Mount Emergency Light	No Retrofit	2	2	10	26	26	26	0	3,120	3,120	-	-	-	-	-	-
Manhasset Secondary School	29	22	3	Auditorium Balcony	4' 1-Lamp 28W Cove Strip LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	8	8	10	23	12	12	0	3,120	3,120	-	-	287	-	287	0.1
Manhasset Secondary School	30	23	3	Stairs To Projection Room	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0
Manhasset Secondary School	31	24	3	Projection Room	50W PAR20 Recessed Downlight	6.5W PAR20 E26 4000K 120V Dimmable	1	1	10	50	7	7	0	1,040	1,040	-	-	45	-	45	0.0
Manhasset Secondary School	32	25	3	Stairwell 3	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	4,420	4,420	-	-	62	-	62	0.0
Manhasset Secondary School	33	25	3	Stairwell 3	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	4,420	4,420	-	-	194	-	194	0.0
Manhasset Secondary School	34	25	3	Stairwell 3	8' 2-Lamp 28W Narrow Teardrop Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	15	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0
Manhasset Secondary School	35	26	3	Classroom 317	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,163	2,163	-	-	50	-	50	0.0
Manhasset Secondary School	36	26	3	Classroom 317	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	45	23	23	0	2,163	2,163	-	-	143	-	143	0.1
Manhasset Secondary School	37	27	3	317 Storage	(2) Circline (40W & 32W) Lamp Large Surface Drum	11" LED Ceiling Mount Drum	1	1	10	80	16	16	0	1,040	1,040	-	-	67	-	67	0.1
Manhasset Secondary School	38	28	3	Classroom 313	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,730	1,911	-	819	480	151	631	0.2
Manhasset Secondary School	39	29	3	313 Restroom	3' 2-Lamp 25W Vanity Fixture LBF	Relamp, rebalast to TWO 3' LED tubes, new LBF, electronic ballast	1	1	6	46	20	20	0	1,560	1,560	-	-	41	-	41	0.0
Manhasset Secondary School	40	30	3	313 Storage	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0
Manhasset Secondary School	41	31	3	Stairwell 2	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	45	23	23	0	4,420	4,420	-	-	389	-	389	0.1
Manhasset Secondary School	42	31	3	Stairwell 2	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	10	45	23	23	0	4,420	4,420	-	-	292	-	292	0.1
Manhasset Secondary School	43	32	3	Classroom 310	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	45	23	23	0	2,163	2,163	-	-	190	-	190	0.1
Manhasset Secondary School	44	33	3	Custodial By 310	2' 2-Lamp 17W Narrow Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0
Manhasset Secondary School	45	34	3	Faculty Mens Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	1,872	374	562	936	67	135	202	0.1
Manhasset Secondary School	46	35	3	Classroom 309	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	86	46	46	0	2,163	2,163	-	-	692	-	692	0.3
Manhasset Secondary School	47	36	3	Classroom 308	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	15	15	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	48	37	3	306 Storage	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	3	3	10	35	35	35	0	832	832	-	-	-	-	-	-									
Manhasset Secondary School	49	38	3	306 Prep Room	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	3	3	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Manhasset Secondary School	50	39	3	Faculty Womens Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	1,872	374	562	936	67	135	202	0.1									
Manhasset Secondary School	51	40	3	Classroom 307	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	45	23	23	0	2,163	2,163	-	-	286	-	286	0.1									
Manhasset Secondary School	52	41	3	Stairwell 1	(2) Circline (40W & 32W) Lamp Large Surface Drum	11" LED Ceiling Mount Drum	1	1	12	80	16	16	0	4,420	4,420	-	-	283	-	283	0.1									
Manhasset Secondary School	53	41	3	Stairwell 1	8' 2-Lamp 28W Narrow Teardrop Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	12	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0									
Manhasset Secondary School	54	41	3	Stairwell 1	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	15	45	23	23	0	3,120	3,120	-	-	69	-	69	0.0									
Manhasset Secondary School	55	42	3	301 & 302 Open Area	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	2	2	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	56	43	3	Classroom 301	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	19	19	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	57	44	3	Office 303C	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	4	4	10	35	35	35	0	2,340	2,340	-	-	-	-	-	-									
Manhasset Secondary School	58	45	3	Office 302	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	2	2	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Manhasset Secondary School	59	46	3	Classroom 302	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	21	21	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	60	47	3	3rd Floor Hallway	8' 2-Lamp 28W Narrow Teardrop Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	12	45	23	23	0	4,420	4,420	-	-	875	-	875	0.2									
Manhasset Secondary School	61	48	3	3rd Floor Lobby Outside Balcony	8' 2-Lamp 28W Narrow Teardrop Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0									
Manhasset Secondary School	62	1	2	Stairwell 5	24W CFL Pin Base Square Wall Mount Emergency Light	No Retrofit	1	1	15	26	26	26	0	4,420	4,420	-	-	-	-	-	-									
Manhasset Secondary School	63	1	2	Stairwell 5	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	27	16	5	4,420	884	3,536	-	80	86	165	0.0									
Manhasset Secondary School	64	1	2	Stairwell 5	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	15	45	27	16	5	3,120	780	2,340	-	56	59	115	0.0									
Manhasset Secondary School	65	2	2	Classroom 240	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,163	2,163	-	-	100	-	100	0.0									
Manhasset Secondary School	66	2	2	Classroom 240	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,163	2,163	-	-	381	-	381	0.2									
Manhasset Secondary School	67	3	2	Faculty Mens Restroom	2x4 2-Lamp 28W Recessed Troffer Parabolic LBF	2x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	27	16	5	2,340	468	702	1,170	84	104	188	0.1									
Manhasset Secondary School	68	4	2	Storage S-218	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	69	5	2	Classroom 242	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,163	2,163	-	-	100	-	100	0.0									
Manhasset Secondary School	70	5	2	Classroom 242	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,163	2,163	-	-	381	-	381	0.2									
Manhasset Secondary School	71	6	2	Classroom 241	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,163	2,163	-	-	100	-	100	0.0									
Manhasset Secondary School	72	6	2	Classroom 241	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,163	2,163	-	-	381	-	381	0.2									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	73	7	2	Classroom 244	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,163	2,163	-	-	100	-	100	0.0									
Manhasset Secondary School	74	7	2	Classroom 244	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,163	2,163	-	-	381	-	381	0.2									
Manhasset Secondary School	75	8	2	Classroom 243	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,163	2,163	-	-	100	-	100	0.0									
Manhasset Secondary School	76	8	2	Classroom 243	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,163	2,163	-	-	381	-	381	0.2									
Manhasset Secondary School	77	9	2	Science Prep Server Room	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0									
Manhasset Secondary School	78	10	2	Science Prep Room	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	3	3	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Manhasset Secondary School	79	11	2	Speech Office 246	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0									
Manhasset Secondary School	80	11	2	Speech Office 246	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Manhasset Secondary School	81	12	2	Hall 240 - 246	2' 2-Lamp 17W Display Case Strip LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	29	18	18	0	4,420	4,420	-	-	49	-	49	0.0									
Manhasset Secondary School	82	12	2	Hall 240 - 246	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	8	8	10	45	27	16	5	4,420	1,326	1,768	1,326	636	706	1,343	0.2									
Manhasset Secondary School	83	13	2	Stair 6	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	2	2	15	45	27	16	5	4,420	884	3,536	-	159	172	331	0.1									
Manhasset Secondary School	84	14	2	Hall Area By Stair 6	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	27	16	5	4,420	1,326	1,768	1,326	80	88	168	0.0									
Manhasset Secondary School	85	14	2	Hall Area By Stair 6	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	13	4	4,420	1,326	1,768	1,326	212	137	350	0.1									
Manhasset Secondary School	86	15	2	CASA Office	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0									
Manhasset Secondary School	87	16	2	Classroom 249	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	15	15	10	45	23	23	0	2,163	2,163	-	-	714	-	714	0.3									
Manhasset Secondary School	88	17	2	247 & 249 Prep Room	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	45	23	23	0	1,872	1,872	-	-	124	-	124	0.1									
Manhasset Secondary School	89	18	2	Classroom 247	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	15	15	10	45	23	23	0	2,163	2,163	-	-	714	-	714	0.3									
Manhasset Secondary School	90	19	2	Classroom 251	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	2,163	2,163	-	-	25	-	25	0.0									
Manhasset Secondary School	91	19	2	Classroom 251	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	45	23	23	0	2,163	2,163	-	-	286	-	286	0.1									
Manhasset Secondary School	92	20	2	Boys Restroom By 256	3' 2-Lamp 25W Vanity Fixture LBF	Relamp, rebalast to TWO 3' LED tubes, new LBF, electronic ballast	2	2	6	46	20	20	0	2,340	2,340	-	-	122	-	122	0.1									
Manhasset Secondary School	93	20	2	Boys Restroom By 256	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	2,340	468	702	1,170	63	127	190	0.1									
Manhasset Secondary School	94	21	2	Hall Boys Restroom - 249	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	27	16	5	4,420	1,326	1,768	1,326	80	88	168	0.0									
Manhasset Secondary School	95	21	2	Hall Boys Restroom - 249	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	5	5	10	45	21	13	4	4,420	1,326	1,768	1,326	530	343	874	0.2									
Manhasset Secondary School	96	22	2	Hall By Elevator Lobby	2x2 25W LED Volumetric Recessed Troffer Sensor	No Retrofit	5	5	10	25	25	25	0	4,420	4,420	-	-	-	-	-	-									

E=Existing P=Proposed

																7098	7098					396,785	118,030	514,815	159.1				
																Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved								
Manhasset Secondary School	97	23	2	Elevator Lobby	2x4 35W LED Volumetric Recessed Troffer Sensored	No Retrofit	2	2	10	35	35	35	0	4,420	4,420	-	-	-	-	-	-								
Manhasset Secondary School	98	24	2	Stairwell 7	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	11	11	10	45	23	23	0	4,420	4,420	-	-	1,070	-	1,070	0.2								
Manhasset Secondary School	99	24	2	Stairwell 7	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	15	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0								
Manhasset Secondary School	100	24	2	Stairwell 7	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	45	23	23	0	3,120	3,120	-	-	69	-	69	0.0								
Manhasset Secondary School	101	25	2	Classroom 256	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2								
Manhasset Secondary School	102	26	2	Storage S-216	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0								
Manhasset Secondary School	103	27	2	Girls Restroom By 256	3' 2-Lamp 25W Vanity Fixture LBF	Relamp, rebalast to TWO 3' LED tubes, new LBF, electronic ballast	2	2	6	46	20	20	0	2,340	2,340	-	-	122	-	122	0.1								
Manhasset Secondary School	104	27	2	Girls Restroom By 256	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	2,340	468	702	1,170	63	127	190	0.1								
Manhasset Secondary School	105	28	2	Classroom 258	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2								
Manhasset Secondary School	106	29	2	Classroom 261	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2								
Manhasset Secondary School	107	30	2	Classroom 263	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2								
Manhasset Secondary School	108	31	2	Classroom 260	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	12	12	10	45	23	23	0	2,163	2,163	-	-	571	-	571	0.3								
Manhasset Secondary School	109	32	2	Office 262	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,163	2,163	-	-	75	-	75	0.0								
Manhasset Secondary School	110	32	2	Office 262	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	45	23	23	0	2,163	2,163	-	-	143	-	143	0.1								
Manhasset Secondary School	111	33	2	Office 264	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	2,163	2,163	-	-	25	-	25	0.0								
Manhasset Secondary School	112	33	2	Office 264	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,163	2,163	-	-	48	-	48	0.0								
Manhasset Secondary School	113	34	2	Office 264 (02)	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,163	2,163	-	-	50	-	50	0.0								
Manhasset Secondary School	114	34	2	Office 264 (02)	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	2,163	2,163	-	-	95	-	95	0.0								
Manhasset Secondary School	115	35	2	Classroom 265	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2								
Manhasset Secondary School	116	36	2	Classroom 267	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2								

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Manhasset Secondary School	117	37	2	Classroom 269	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2
Manhasset Secondary School	118	38	2	Stairwell 8	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	8	8	10	45	23	23	0	4,420	4,420	-	-	778	-	778	0.2
Manhasset Secondary School	119	38	2	Stairwell 8	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	15	45	23	23	0	3,120	3,120	-	-	69	-	69	0.0
Manhasset Secondary School	120	39	2	Classroom 266	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2
Manhasset Secondary School	121	40	2	Hall 266 - 256	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	10	10	10	45	21	13	4	4,420	1,326	1,768	1,326	1,061	687	1,748	0.3
Manhasset Secondary School	122	40	2	Hall 266 - 256	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	6	6	10	45	27	16	5	4,420	1,326	1,768	1,326	477	530	1,007	0.2
Manhasset Secondary School	123	41	2	Wellness Center Commons	4' 50W LED Round Decorative Fixture	No Retrofit	1	1	8	50	50	50	0	2,730	2,730	-	-	-	-	-	-
Manhasset Secondary School	124	41	2	Wellness Center Commons	10W LED Tracklight	No Retrofit	6	6	10	10	10	10	0	2,730	2,730	-	-	-	-	-	-
Manhasset Secondary School	125	41	2	Wellness Center Commons	2x2 37W LED Recessed Flat Panel	No Retrofit	4	4	10	37	37	37	0	2,730	2,730	-	-	-	-	-	-
Manhasset Secondary School	126	41	2	Wellness Center Commons	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	7	7	10	45	27	14	5	2,730	1,638	819	273	344	330	674	0.2
Manhasset Secondary School	127	41	2	Wellness Center Commons	4' 15W LED Wall Wash	No Retrofit	5	5	10	15	15	15	0	2,163	2,163	-	-	-	-	-	-
Manhasset Secondary School	128	42	2	Classroom 271	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,163	2,163	-	-	100	-	100	0.0
Manhasset Secondary School	129	42	2	Classroom 271	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,163	2,163	-	-	381	-	381	0.2
Manhasset Secondary School	130	43	2	Stairwell 9	24W CFL Pin Base Square Wall Mount Emergency Light	No Retrofit	1	1	15	26	26	26	0	4,420	4,420	-	-	-	-	-	-
Manhasset Secondary School	131	43	2	Stairwell 9	1x2 2-Lamp 17W Recessed Troffer Prismatic hard ceiling NBF	Relamp, reballast to TWO 2' LED tubes, new NBF, electronic ballast	2	2	6	31	20	20	0	4,420	4,420	-	-	97	-	97	0.0
Manhasset Secondary School	132	43	2	Stairwell 9	2x4 2-Lamp 28W Surface Box Prismatic LBF	2x4 Troffer Surface Mount w/ Adaptable Controls	1	1	10	45	30	18	6	4,420	884	3,536	-	66	95	162	0.0
Manhasset Secondary School	133	43	2	Stairwell 9	2x4 2-Lamp 28W Surface Box Prismatic LBF	2x4 Troffer Surface Mount w/ Adaptable Controls	1	1	15	45	30	18	6	4,420	884	3,536	-	66	95	162	0.0
Manhasset Secondary School	134	43	2	Stairwell 9	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	12	23	12	12	0	4,420	4,420	-	-	102	-	102	0.0
Manhasset Secondary School	135	44	2	Storage S-217	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	6	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0
Manhasset Secondary School	136	45	2	Boys Restroom By Learning Center	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	3	3	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-
Manhasset Secondary School	137	46	2	Middle School Wellness Center	4' 50W LED Round Decorative Fixture	No Retrofit	4	4	10	50	50	50	0	2,163	2,163	-	-	-	-	-	-
Manhasset Secondary School	138	46	2	Middle School Wellness Center	10W LED 4-in Round Recessed Downlight	No Retrofit	12	12	10	10	10	10	0	2,163	2,163	-	-	-	-	-	-
Manhasset Secondary School	139	46	2	Middle School Wellness Center	10W LED Tracklight	No Retrofit	20	20	10	10	10	10	0	2,163	2,163	-	-	-	-	-	-
Manhasset Secondary School	140	46	2	Middle School Wellness Center	2x2 37W LED Recessed Flat Panel	No Retrofit	21	21	10	37	37	37	0	2,163	2,163	-	-	-	-	-	-
Manhasset Secondary School	141	46	2	Middle School Wellness Center	4' 15W LED Wall Wash	No Retrofit	6	6	10	15	15	15	0	2,163	2,163	-	-	-	-	-	-
Manhasset Secondary School	142	47	2	Wellness Center Copy Room	30W 4' LED Strip	No Retrofit	2	2	10	30	30	30	0	1,872	1,872	-	-	-	-	-	-
Manhasset Secondary School	143	48	2	Wellness Center Office	30W 4' LED Strip	No Retrofit	4	4	10	30	30	30	0	1,872	1,872	-	-	-	-	-	-
Manhasset Secondary School	144	49	2	Wellness Center Office (02)	30W 4' LED Strip	No Retrofit	4	4	10	30	30	30	0	1,872	1,872	-	-	-	-	-	-
Manhasset Secondary School	145	49	2	Wellness Center Office (02)	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	10	37	37	37	0	1,872	1,872	-	-	-	-	-	-

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																7098	7098					396,785	118,030	514,815	159.1				
																Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved								
Manhasset Secondary School	146	50	2	Wellness Center Office (03)	30W 4' LED Strip	No Retrofit	4	4	10	30	30	30	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	147	50	2	Wellness Center Office (03)	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	148	51	2	Wellness Center Office (04)	30W 4' LED Strip	No Retrofit	6	6	10	30	30	30	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	149	51	2	Wellness Center Office (04)	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	10	37	37	37	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	150	52	2	Wellness Center Office (05)	30W 4' LED Strip	No Retrofit	2	2	10	30	30	30	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	151	52	2	Wellness Center Office (05)	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	10	37	37	37	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	152	53	2	Recording Room 273	2x2 37W LED Recessed Flat Panel	No Retrofit	9	9	10	37	37	37	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	153	54	2	Classroom 277	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	6	6	10	23	12	12	0	2,163	2,163	-	-	149	-	149	0.1								
Manhasset Secondary School	154	54	2	Classroom 277	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	45	23	23	0	2,163	2,163	-	-	286	-	286	0.1								
Manhasset Secondary School	155	55	2	English Office 279	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	20	20	10	31	22	11	4	2,163	1,622	324	216	389	566	956	0.4								
Manhasset Secondary School	156	56	2	English Private Office	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,872	1,872	-	-	43	-	43	0.0								
Manhasset Secondary School	157	57	2	English Office Copy Room	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	2,340	-	-	54	-	54	0.0								
Manhasset Secondary School	158	58	2	Associate Principal Office	30W 4' LED Strip	No Retrofit	4	4	10	30	30	30	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	159	58	2	Associate Principal Office	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	160	59	2	Associate Principal Open Office	10W LED Tracklight	No Retrofit	8	8	10	10	10	10	0	2,163	2,163	-	-	-	-	-	-								
Manhasset Secondary School	161	59	2	Associate Principal Open Office	2x2 37W LED Recessed Flat Panel	No Retrofit	3	3	10	37	37	37	0	2,163	2,163	-	-	-	-	-	-								
Manhasset Secondary School	162	60	2	Associate Principal Conference	30W 4' LED Strip	No Retrofit	4	4	10	30	30	30	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	163	60	2	Associate Principal Conference	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	1,872	1,872	-	-	-	-	-	-								
Manhasset Secondary School	164	61	2	Classroom 278	2x4 3-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	11	11	10	66	27	22	5	2,163	1,622	324	216	928	238	1,166	0.5								
Manhasset Secondary School	165	62	2	Hall 271 - Elevator Lobby	2' 2-Lamp 17W Display Case Strip LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	6	29	18	18	0	4,420	4,420	-	-	49	-	49	0.0								
Manhasset Secondary School	166	62	2	Hall 271 - Elevator Lobby	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	10	10	10	45	27	16	5	4,420	1,326	1,768	1,326	796	883	1,679	0.3								
Manhasset Secondary School	167	62	2	Hall 271 - Elevator Lobby	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	4,420	1,326	1,768	1,326	106	69	175	0.0								
Manhasset Secondary School	168	62	2	Hall 271 - Elevator Lobby	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	55	22	13	4	4,420	1,326	1,768	1,326	292	144	436	0.1								
Manhasset Secondary School	169	63	2	Elevator Lobby By 278	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	13	4	4,420	1,326	1,768	1,326	146	72	218	0.0								
Manhasset Secondary School	170	64	2	Stairwell 10	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	27	16	5	4,420	884	3,536	-	80	86	165	0.0								
Manhasset Secondary School	171	64	2	Stairwell 10	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	15	45	21	13	4	4,420	884	3,536	-	106	67	173	0.0								
Manhasset Secondary School	172	64	2	Stairwell 10	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0								
Manhasset Secondary School	173	64	2	Stairwell 10	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0								
Manhasset Secondary School	174	65	2	Office 280	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	8	8	10	31	22	11	4	2,730	1,638	819	273	197	308	504	0.2								
Manhasset Secondary School	175	66	2	280 File Room	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	6	6	10	31	22	13	4	1,040	208	312	520	56	113	169	0.1								
Manhasset Secondary School	176	67	2	280 Private Office	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	6	6	10	55	22	11	4	2,340	936	702	702	463	229	692	0.3								

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	7098			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Manhasset Secondary School	177	68	2	Library Classroom 281	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	7	7	10	35	35	35	0	2,730	1,911	-	819	-	201	201	-
Manhasset Secondary School	178	68	2	Library Classroom 281	2x4 35W LED Volumetric Recessed Troffer BBU	No Retrofit	1	1	10	35	35	35	0	2,730	1,911	-	819	-	29	29	-
Manhasset Secondary School	179	69	2	Attendance Office	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	9	9	10	31	22	11	4	2,730	1,638	819	273	221	346	567	0.2
Manhasset Secondary School	180	70	2	Attendance Security	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	11	4	2,340	936	702	702	84	152	237	0.1
Manhasset Secondary School	181	71	2	Assistant Principal Office	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	11	4	2,340	936	702	702	84	152	237	0.1
Manhasset Secondary School	182	72	2	Hall Area Outside Attendance	2x2 2-ULamp 32W Recessed Troffer Parabolic Hard Ceiling NBF	Relamp, rebalast to TWO U-lamp LED tubes, new NBF, electronic ballast	1	1	10	55	35	35	0	4,420	4,420	-	-	88	-	88	0.0
Manhasset Secondary School	183	72	2	Hall Area Outside Attendance	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	4,420	4,420	-	-	194	-	194	0.0
Manhasset Secondary School	184	72	2	Hall Area Outside Attendance	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	4,420	4,420	-	-	194	-	194	0.0
Manhasset Secondary School	185	72	2	Hall Area Outside Attendance	4' 1-Lamp 28W Wall Wash Display Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	4,420	4,420	-	-	102	-	102	0.0
Manhasset Secondary School	186	73	2	Middle School Entrance	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0
Manhasset Secondary School	187	73	2	Middle School Entrance	8' 2-Lamp 28W Narrow Teardrop Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	15	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0
Manhasset Secondary School	188	74	2	All Gender Restroom	2x4 2-Lamp 28W Recessed Troffer Parabolic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	27	16	5	1,560	312	468	780	28	35	63	0.0
Manhasset Secondary School	189	75	2	All Gender Restroom (02)	2x4 2-Lamp 28W Recessed Troffer Parabolic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	27	16	5	1,560	312	468	780	28	35	63	0.0
Manhasset Secondary School	190	76	2	School Psych Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	86	46	46	0	2,340	2,340	-	-	281	-	281	0.1
Manhasset Secondary School	191	77	2	Conference Room 217	2x2 37W LED Recessed Flat Panel	No Retrofit	14	14	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-
Manhasset Secondary School	192	78	2	Custodial 215	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0
Manhasset Secondary School	193	79	2	Conference 213	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	7	7	10	31	22	11	4	2,340	936	702	702	147	267	414	0.1
Manhasset Secondary School	194	80	2	213 Restroom	20W Circline Lamp Square Surface Fixture	11" LED Ceiling Mount Drum	1	1	10	20	16	16	0	1,560	1,560	-	-	6	-	6	0.0
Manhasset Secondary School	195	80	2	213 Restroom	(2) Circline (40W & 32W) Lamp Large Surface Drum	11" LED Ceiling Mount Drum	1	1	10	80	16	16	0	1,560	1,560	-	-	100	-	100	0.1
Manhasset Secondary School	196	81	2	Entrance By Main Office	23W CFL SI Decorative Pendant Fixture	9W A19 E26 120V Dimmable, Enclosed	1	1	10	25	9	9	0	4,420	4,420	-	-	71	-	71	0.0
Manhasset Secondary School	197	82	2	Storage By Main Office	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Manhasset Secondary School	198	83	2	Storage By Main Office (02)	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	1,040	1,040	-	-	15	-	15	0.0
Manhasset Secondary School	199	84	2	Main Office	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,730	2,730	-	-	60	-	60	0.0
Manhasset Secondary School	200	84	2	Main Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	86	46	46	0	2,730	2,730	-	-	437	-	437	0.2
Manhasset Secondary School	201	85	2	Main Office Vault	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Manhasset Secondary School	202	86	2	Main Office Storage	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	203	87	2	Principal Office	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	8	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Manhasset Secondary School	204	87	2	Principal Office	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0									
Manhasset Secondary School	205	88	2	Principal Restroom	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	2	2	10	30	16	16	0	1,560	1,560	-	-	44	-	44	0.0									
Manhasset Secondary School	206	89	2	Girls Restroom Across 208	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	1,872	374	562	936	67	135	202	0.1									
Manhasset Secondary School	207	90	2	Classroom 207	8' 2-Lamp 28W Standard Wrap Ceiling Mount HBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new HBF, electronic ballast, Tandem	6	6	10	67	35	35	0	2,730	1,911	-	819	524	172	696	0.2									
Manhasset Secondary School	208	91	2	Classroom 205 Entry	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,730	1,911	-	819	60	19	79	0.0									
Manhasset Secondary School	209	92	2	Classroom 205A	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	45	23	23	0	2,730	1,911	-	819	360	113	473	0.1									
Manhasset Secondary School	210	93	2	Guidance Open Office	(4) 60W Incandescent Square Decorative Downlight	FOUR 9W A19 E26 120V Dimmable, Enclosed	6	6	10	240	36	36	0	2,730	2,730	-	-	3,342	-	3,342	1.2									
Manhasset Secondary School	211	93	2	Guidance Open Office	(4) 60W Incandescent Square Decorative Downlight	Disconnect and remove	6	6	10	240	0	0	0	2,730	2,730	-	-	3,931	-	3,931	1.4									
Manhasset Secondary School	212	93	2	Guidance Open Office	24W CFL Pin Base Square Wall Mount Emergency Light	No Retrofit	2	2	10	26	26	26	0	2,730	2,730	-	-	-	-	-	-									
Manhasset Secondary School	213	93	2	Guidance Open Office	2x2 2-Lamp 17W Surface Box Prismatic NBF	2x2 Troffer Surface Mount w/ Adaptable Controls	14	14	10	31	22	11	4	2,730	1,638	819	273	344	538	882	0.3									
Manhasset Secondary School	214	93	2	Guidance Open Office	2x2 2-Lamp 17W Recessed Troffer Prismatic Hard Ceiling NBF	Relamp, reballast to TWO 2' LED tubes, new NBF, electronic ballast	2	2	10	31	20	20	0	2,730	2,730	-	-	60	-	60	0.0									
Manhasset Secondary School	215	93	2	Guidance Open Office	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,730	2,730	-	-	63	-	63	0.0									
Manhasset Secondary School	216	94	2	Guidance Storage	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	Relamp, reballast to TWO U-lamp LED tubes, new NBF, electronic ballast	1	1	10	55	35	35	0	1,040	1,040	-	-	21	-	21	0.0									
Manhasset Secondary School	217	95	2	Guidance Office 203D	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	31	22	11	4	2,340	936	702	702	42	76	118	0.0									
Manhasset Secondary School	218	96	2	Guidance Office 203E	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	31	22	11	4	2,340	936	702	702	42	76	118	0.0									
Manhasset Secondary School	219	97	2	Guidance Office 203F	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	11	4	2,340	936	702	702	84	152	237	0.1									
Manhasset Secondary School	220	98	2	Guidance Office 203G	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	3	3	10	25	25	25	0	2,340	2,340	-	-	-	-	-	-									
Manhasset Secondary School	221	99	2	Guidance Office 203H	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	3	3	10	25	25	25	0	2,340	2,340	-	-	-	-	-	-									
Manhasset Secondary School	222	100	2	Guidance Restroom	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,560	1,560	-	-	34	-	34	0.0									
Manhasset Secondary School	223	101	2	Guidance Restroom (02)	3' 2-Lamp 25W Vanity Fixture LBF	Relamp, reballast to TWO 3' LED tubes, new LBF, electronic ballast	1	1	10	46	20	20	0	1,560	1,560	-	-	41	-	41	0.0									
Manhasset Secondary School	224	101	2	Guidance Restroom (02)	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,560	1,560	-	-	34	-	34	0.0									
Manhasset Secondary School	225	102	2	Guidance File Room 201	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0									
Manhasset Secondary School	226	103	2	Office 200	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,730	2,730	-	-	63	-	63	0.0									
Manhasset Secondary School	227	103	2	Office 200	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,730	2,730	-	-	60	-	60	0.0									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	228	103	2	Office 200	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	45	23	23	0	2,730	2,730	-	-	240	-	240	0.1									
Manhasset Secondary School	229	103	2	Office 200	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	2,730	2,730	-	-	60	-	60	0.0									
Manhasset Secondary School	230	104	2	Guidance Shack Hall	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,730	2,730	-	-	120	-	120	0.0									
Manhasset Secondary School	231	105	2	Guidance Office 203C	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	11	4	2,340	936	702	702	84	152	237	0.1									
Manhasset Secondary School	232	106	2	Guidance Office 203B	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	31	22	11	4	2,340	936	702	702	42	76	118	0.0									
Manhasset Secondary School	233	107	2	Guidance Office 203A	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	31	22	11	4	2,340	936	702	702	42	76	118	0.0									
Manhasset Secondary School	234	108	2	Classroom 204	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	55	22	18	4	2,730	1,638	819	273	1,081	332	1,413	0.4									
Manhasset Secondary School	235	109	2	204 Storage	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Manhasset Secondary School	236	110	2	Classroom 206	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	2,163	1,622	324	216	234	211	445	0.2									
Manhasset Secondary School	237	111	2	Classroom 208	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	2,163	1,622	324	216	234	211	445	0.2									
Manhasset Secondary School	238	112	2	Boys Restroom Across 209	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	1,872	374	562	936	67	135	202	0.1									
Manhasset Secondary School	239	113	2	Custodial By Main Office	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	240	114	2	Art Gallery	10W LED Tracklight	No Retrofit	44	44	10	10	10	10	0	2,730	2,730	-	-	-	-	-	-									
Manhasset Secondary School	241	114	2	Art Gallery	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,730	2,730	-	-	63	-	63	0.0									
Manhasset Secondary School	242	114	2	Art Gallery	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	2,730	2,730	-	-	120	-	120	0.0									
Manhasset Secondary School	243	114	2	Art Gallery	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	2,730	2,730	-	-	60	-	60	0.0									
Manhasset Secondary School	244	114	2	Art Gallery	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,730	2,730	-	-	109	-	109	0.0									
Manhasset Secondary School	245	115	2	Hall Auditorium- Guidance	23W CFL SI Decorative Pendant Fixture	9W A19 E26 120V Dimmable, Enclosed	6	6	10	25	9	9	0	4,420	4,420	-	-	424	-	424	0.1									
Manhasset Secondary School	246	115	2	Hall Auditorium- Guidance	4' 1-Lamp 28W Cove Strip LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	43	43	10	23	12	12	0	4,420	4,420	-	-	2,186	-	2,186	0.5									
Manhasset Secondary School	247	115	2	Hall Auditorium- Guidance	2x4 40W LED Recessed Flat Panel	No Retrofit	10	10	10	40	40	40	0	4,420	4,420	-	-	-	-	-	-									
Manhasset Secondary School	248	115	2	Hall Auditorium- Guidance	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	6	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0									
Manhasset Secondary School	249	116	2	Auditorium	(12) 100W Inc. Auditorium Decorative Pendant Downlight	TWELVE 15W A21 E26 120V Dimmable, Enclosed	5	5	20	1200	180	180	0	3,120	3,120	-	-	15,912	-	15,912	5.1									
Manhasset Secondary School	250	116	2	Auditorium	150W Inc. Auditorium Decorative Surface Downlight	34W E26 840 120V/277V, Enclosed, Dimmable	6	6	10	150	34	34	0	3,120	3,120	-	-	2,172	-	2,172	0.7									
Manhasset Secondary School	251	116	2	Auditorium	100W LED CornCob Indirect Uplight	No Retrofit	6	6	20	100	100	100	0	3,120	3,120	-	-	-	-	-	-									
Manhasset Secondary School	252	116	2	Auditorium	24W CFL Pin Base Square Wall Mount Emergency Light	No Retrofit	2	2	10	26	26	26	0	3,120	3,120	-	-	-	-	-	-									
Manhasset Secondary School	253	116	2	Auditorium	4' 1-Lamp 28W Cove Strip LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	18	18	9	23	12	12	0	3,120	3,120	-	-	646	-	646	0.2									
Manhasset Secondary School	254	117	2	Stage	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	20	20	25	45	23	23	0	3,120	3,120	-	-	1,373	-	1,373	0.4									

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Manhasset Secondary School	255	118	2	Auditorium Side Hall To 214	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	8	23	12	12	0	4,420	4,420	-	-	102	-	102	0.0
Manhasset Secondary School	256	118	2	Auditorium Side Hall To 214	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	10	45	23	23	0	4,420	4,420	-	-	292	-	292	0.1
Manhasset Secondary School	257	119	2	Stair By Stage Exit	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	2	2	10	25	15	15	0	4,420	4,420	-	-	88	-	88	0.0
Manhasset Secondary School	258	119	2	Stair By Stage Exit	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	15	23	12	12	0	4,420	4,420	-	-	51	-	51	0.0
Manhasset Secondary School	259	120	2	Office 214	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0
Manhasset Secondary School	260	120	2	Office 214	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,340	2,340	-	-	187	-	187	0.1
Manhasset Secondary School	261	121	2	Choral Storage	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Manhasset Secondary School	262	121	2	Choral Storage	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	832	832	-	-	33	-	33	0.0
Manhasset Secondary School	263	122	2	Classroom 216	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	15	15	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-
Manhasset Secondary School	264	123	2	Classroom 218	4' 1-Lamp 28W Standard Wrap Ceiling Mount HBF	Relamp, reballast to ONE low wattage 4' LED tube, new HBF, electronic ballast	1	1	10	33	18	18	0	2,730	1,911	-	819	42	14	57	0.0
Manhasset Secondary School	265	123	2	Classroom 218	8' 2-Lamp 28W Standard Wrap Ceiling Mount HBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new HBF, electronic ballast, Tandem	19	19	10	67	35	35	0	2,730	1,911	-	819	1,660	545	2,204	0.6
Manhasset Secondary School	266	124	2	28 Instrument Storage	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	1,040	1,040	-	-	250	-	250	0.2
Manhasset Secondary School	267	125	2	218 Office	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0
Manhasset Secondary School	268	125	2	218 Office	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	45	23	23	0	2,340	2,340	-	-	154	-	154	0.1
Manhasset Secondary School	269	126	2	Music Storage 220	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	12	23	12	12	0	1,040	1,040	-	-	36	-	36	0.0
Manhasset Secondary School	270	126	2	Music Storage 220	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	5	5	12	45	23	23	0	1,040	1,040	-	-	114	-	114	0.1
Manhasset Secondary School	271	127	2	Hall 220 - 216	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	7	7	10	23	12	12	0	4,420	4,420	-	-	356	-	356	0.1
Manhasset Secondary School	272	127	2	Hall 220 - 216	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0
Manhasset Secondary School	273	128	2	Middle School Library	1x4 2-Lamp 28W Surface Box Louvered LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	6	6	10	45	23	23	0	2,340	2,340	-	-	309	-	309	0.1
Manhasset Secondary School	274	128	2	Middle School Library	4' 2-Lamp 28W Louvered Strip in Box Formation LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	40	40	10	45	23	23	0	2,340	2,340	-	-	2,059	-	2,059	0.9
Manhasset Secondary School	275	128	2	Middle School Library	4' 2-Lamp 28W Louvered Strip in Box Formation LBF	Disconnect and remove	4	4	10	45	0	0	0	2,340	2,340	-	-	421	-	421	0.2
Manhasset Secondary School	276	129	2	Library Office	4' 2-Lamp 28W Louvered Strip in Box Formation LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	12	45	23	23	0	2,340	2,340	-	-	206	-	206	0.1

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	277	131	2	Black Box Theatre	2x4 4-Lamp 28W Surface Box Parabolic LBF	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	12	12	15	86	46	46	0	3,120	3,120	-	-	1,498	-	1,498	0.5									
Manhasset Secondary School	278	132	2	Black Box Theatre Storage	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	2	2	10	30	16	16	0	1,040	1,040	-	-	29	-	29	0.0									
Manhasset Secondary School	279	132	2	Black Box Theatre Storage	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	6	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	280	133	2	Black Box Theatre Storage (02)	(2) Circline (40W & 32W) Lamp Large Surface Drum	11" LED Ceiling Mount Drum	1	1	8	80	16	16	0	1,040	1,040	-	-	67	-	67	0.1									
Manhasset Secondary School	281	134	2	Black Box Theatre Storage (03)	100W Inc. Round Recessed Downlight	15.5W PAR38 120V Dimmable	2	2	10	100	16	16	0	1,040	1,040	-	-	176	-	176	0.2									
Manhasset Secondary School	282	135	2	Theatre Room	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	Relamp, reballast to TWO U-lamp LED tubes, new NBF, electronic ballast	2	2	10	55	35	35	0	1,040	1,040	-	-	42	-	42	0.0									
Manhasset Secondary School	283	135	2	Theatre Room	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0									
Manhasset Secondary School	284	136	2	Theatre Office	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	55	22	11	4	2,340	936	702	702	309	152	461	0.2									
Manhasset Secondary School	285	137	2	Theatre Classroom	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	6	6	10	45	27	22	5	2,730	1,638	819	273	295	203	498	0.1									
Manhasset Secondary School	286	137	2	Theatre Classroom	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	45	23	23	0	2,730	1,911	-	819	60	19	79	0.0									
Manhasset Secondary School	287	138	2	Theatre Storage	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	55	22	13	4	1,040	208	312	520	69	38	106	0.1									
Manhasset Secondary School	288	139	2	Theatre Restroom	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	13	4	1,560	312	468	780	51	28	80	0.0									
Manhasset Secondary School	289	140	2	Theatre Storage (03)	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0									
Manhasset Secondary School	290	141	2	Teacher Resource Room 229	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	10	10	10	55	22	11	4	2,163	1,622	324	216	714	283	997	0.4									
Manhasset Secondary School	291	142	2	Resource Room Storage	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	13	4	1,040	208	312	520	34	19	53	0.0									
Manhasset Secondary School	292	143	2	Resource Room Office	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Manhasset Secondary School	293	144	2	Resource Room MEA	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	45	23	23	0	1,872	1,872	-	-	165	-	165	0.1									
Manhasset Secondary School	294	145	2	Classroom 245	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	21	21	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	295	146	2	Hall Outside 245	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	4,420	1,326	1,768	1,326	106	69	175	0.0									
Manhasset Secondary School	296	146	2	Hall Outside 245	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	5	5	10	45	27	16	5	4,420	1,326	1,768	1,326	398	442	839	0.1									
Manhasset Secondary School	297	147	2	Practice Room 1 (231)	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,340	2,340	-	-	187	-	187	0.1									
Manhasset Secondary School	298	148	2	Practice Room 1 (233)	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0									
Manhasset Secondary School	299	149	2	Girls Restroom Across 222	2x4 2-Lamp 28W Recessed Troffer Parabolic LBF	2x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	27	16	5	2,340	468	702	1,170	84	104	188	0.1									
Manhasset Secondary School	300	150	2	Custodial Storage Across 222	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	1,040	1,040	-	-	15	-	15	0.0									
Manhasset Secondary School	301	151	2	Music Lab 235	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	6	6	12	45	23	23	0	2,730	1,911	-	819	360	113	473	0.1									
Manhasset Secondary School	302	152	2	Band Storage S-210	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	1,040	1,040	-	-	36	-	36	0.0									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	303	153	2	Music Office 237	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,730	2,730	-	-	218	-	218	0.1									
Manhasset Secondary School	304	154	2	Music Office 237 (02)	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,730	2,730	-	-	218	-	218	0.1									
Manhasset Secondary School	305	155	2	Band Office 239	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	12	86	46	46	0	2,730	2,730	-	-	328	-	328	0.1									
Manhasset Secondary School	306	156	2	Band Lockers	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	25	25	25	0	832	832	-	-	-	-	-	-									
Manhasset Secondary School	307	156	2	Band Lockers	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	11	11	10	35	35	35	0	832	832	-	-	-	-	-	-									
Manhasset Secondary School	308	157	2	Band Classroom	10W LED Tracklight	No Retrofit	60	60	12	10	10	10	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	309	157	2	Band Classroom	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	24	24	10	25	25	25	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	310	158	2	Classroom 222	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	24	24	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	311	159	2	Stair 4	2x4 2-Lamp 28W Surface Box Prismatic LBF	2x4 Troffer Surface Mount w/ Adaptable Controls	1	1	10	45	30	18	6	4,420	884	3,536	-	66	95	162	0.0									
Manhasset Secondary School	312	159	2	Stair 4	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	12	45	21	13	4	4,420	884	3,536	-	212	134	346	0.1									
Manhasset Secondary School	313	160	2	Hall Band Room - Middle Library	2x4 2-Lamp 28W Surface Box Prismatic LBF	2x4 Troffer Surface Mount w/ Adaptable Controls	11	11	10	45	30	18	6	4,420	1,326	1,768	1,326	729	1,079	1,809	0.3									
Manhasset Secondary School	314	160	2	Hall Band Room - Middle Library	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	12	12	10	45	23	23	0	4,420	4,420	-	-	1,167	-	1,167	0.3									
Manhasset Secondary School	315	160	2	Hall Band Room - Middle Library	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0									
Manhasset Secondary School	316	161	2	Hall Band - 240	2x4 2-Lamp 28W Surface Box Prismatic LBF	2x4 Troffer Surface Mount w/ Adaptable Controls	2	2	10	45	30	18	6	4,420	1,326	1,768	1,326	133	196	329	0.1									
Manhasset Secondary School	317	161	2	Hall Band - 240	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	6	6	10	45	27	16	5	4,420	1,326	1,768	1,326	477	530	1,007	0.2									
Manhasset Secondary School	318	162	2	Stage & Auditorium Side Entrance	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	2	2	10	30	16	16	0	4,420	4,420	-	-	124	-	124	0.0									
Manhasset Secondary School	319	1	1	Boys Locker Room	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	10	10	10	23	12	12	0	2,730	2,730	-	-	314	-	314	0.1									
Manhasset Secondary School	320	1	1	Boys Locker Room	4' 1-Lamp 28W Standard Wrap Ceiling Mount BBU LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast, battery backup	1	1	10	23	12	12	0	2,730	2,730	-	-	31	-	31	0.0									
Manhasset Secondary School	321	1	1	Boys Locker Room	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	7	7	10	45	23	23	0	2,730	2,730	-	-	420	-	420	0.2									
Manhasset Secondary School	322	1	1	Boys Locker Room	8' 2-Lamp 28W Standard Wrap Ceiling Mount BBU LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, battery backup, Tandem	4	4	10	45	23	23	0	2,730	2,730	-	-	240	-	240	0.1									
Manhasset Secondary School	323	2	1	Boys Locker Storage	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	832	832	-	-	12	-	12	0.0									
Manhasset Secondary School	324	3	1	Boys Locker Storage (02)	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	832	832	-	-	12	-	12	0.0									
Manhasset Secondary School	325	4	1	Boys Locker Storage (03)	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Manhasset Secondary School	326	5	1	Boys Locker Restroom	13W CFL PinBase Surface Drum Shower Fixture	11" LED Ceiling Mount Drum	1	1	10	15	16	16	0	2,340	2,340	-	-	(2)	0	(2)	(0.0)									
Manhasset Secondary School	327	5	1	Boys Locker Restroom	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	328	6	1	Boys Locker Office	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	1,872	1,872	-	-	82	-	82	0.0									
Manhasset Secondary School	329	7	1	Boys Locker Office Restroom	13W CFL PinBase Surface Drum Shower Fixture	11" LED Ceiling Mount Drum	1	1	10	15	16	16	0	1,248	1,248	-	-	(1)	-	(1)	(0.0)									
Manhasset Secondary School	330	7	1	Boys Locker Office Restroom	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,248	1,248	-	-	27	-	27	0.0									
Manhasset Secondary School	331	8	1	Hall Between Locker Rooms	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	27	16	5	4,420	1,326	1,768	1,326	159	177	336	0.1									
Manhasset Secondary School	332	8	1	Hall Between Locker Rooms	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	3,120	3,120	-	-	69	-	69	0.0									
Manhasset Secondary School	333	9	1	Storage By Lockers	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	832	832	-	-	10	-	10	0.0									
Manhasset Secondary School	334	10	1	Storage By Lockers (02)	8' 2-Lamp 28W Vaportight Strip LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0									
Manhasset Secondary School	335	11	1	Girls Locker Entry	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	3,120	3,120	-	-	36	-	36	0.0									
Manhasset Secondary School	336	12	1	Storage In Girls Locker Entry	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	832	832	-	-	10	-	10	0.0									
Manhasset Secondary School	337	13	1	Storage In Girls Locker Ent (02)	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	832	832	-	-	10	-	10	0.0									
Manhasset Secondary School	338	14	1	Girls Locker Entry (02)	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	3,120	3,120	-	-	36	-	36	0.0									
Manhasset Secondary School	339	15	1	Girls Locker Office	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	1,872	1,872	-	-	82	-	82	0.0									
Manhasset Secondary School	340	16	1	Girls Locker Office Restroom	13W CFL PinBase Surface Drum Shower Fixture	11" LED Ceiling Mount Drum	1	1	10	15	16	16	0	1,248	1,248	-	-	(1)	-	(1)	(0.0)									
Manhasset Secondary School	341	16	1	Girls Locker Office Restroom	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,248	1,248	-	-	27	-	27	0.0									
Manhasset Secondary School	342	17	1	Girls Locker Room	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	16	16	10	23	12	12	0	2,163	2,163	-	-	398	-	398	0.2									
Manhasset Secondary School	343	17	1	Girls Locker Room	4' 1-Lamp 28W Standard Wrap Ceiling Mount BBU LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast, battery backup	1	1	10	23	12	12	0	2,163	2,163	-	-	25	-	25	0.0									
Manhasset Secondary School	344	17	1	Girls Locker Room	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	5	5	10	45	23	23	0	2,163	2,163	-	-	238	-	238	0.1									
Manhasset Secondary School	345	17	1	Girls Locker Room	8' 2-Lamp 28W Standard Wrap Ceiling Mount BBU LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, battery backup, Tandem	1	1	10	45	23	23	0	2,163	2,163	-	-	48	-	48	0.0									
Manhasset Secondary School	346	18	1	Girls Locker Room Restroom	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,872	1,872	-	-	41	-	41	0.0									
Manhasset Secondary School	347	18	1	Girls Locker Room Restroom	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,872	1,872	-	-	75	-	75	0.0									
Manhasset Secondary School	348	19	1	Gym Trainers Room	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,872	1,872	-	-	43	-	43	0.0									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	349	19	1	Gym Trainers Room	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	1,872	1,872	-	-	82	-	82	0.0									
Manhasset Secondary School	350	20	1	High School Gym	4' 6-Lamp T5 54W Highbay Ceiling Mount	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	48	48	20	351	138	111	28	3,900	1,560	1,170	1,170	39,836	16,040	55,876	11.5									
Manhasset Secondary School	351	20	1	High School Gym	2' 2-Lamp 17W Narrow Wrap Ceiling Mount LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	2	2	10	29	18	18	0	3,900	3,900	-	-	86	-	86	0.0									
Manhasset Secondary School	352	21	1	High Gym Storage	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Manhasset Secondary School	353	21	1	High Gym Storage	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	354	22	1	High Gym Storage (02)	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	3	3	10	25	15	15	0	1,040	1,040	-	-	31	-	31	0.0									
Manhasset Secondary School	355	23	1	High Gym Storage (03)	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	356	24	1	Middle Gym	120W LED Round Highbay	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	48	48	20	120	138	111	28	2,860	1,559	129	1,173	(2,498)	10,530	8,031	0.5									
Manhasset Secondary School	357	25	1	Middle Gym Storage	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	832	832	-	-	18	-	18	0.0									
Manhasset Secondary School	358	26	1	Middle Gym Office	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,872	1,872	-	-	75	-	75	0.0									
Manhasset Secondary School	359	27	1	Middle Gym Office Restroom	13W CFL PinBase Surface Drum Shower Fixture	11" LED Ceiling Mount Drum	1	1	10	15	16	16	0	1,248	1,248	-	-	(1)	-	(1)	(0.0)									
Manhasset Secondary School	360	27	1	Middle Gym Office Restroom	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,248	1,248	-	-	50	-	50	0.0									
Manhasset Secondary School	361	28	1	Weight Room	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	39	39	12	45	23	23	0	3,900	3,900	-	-	3,346	-	3,346	0.9									
Manhasset Secondary School	362	29	1	Wrestling Gym Storage	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	12	45	23	23	0	1,040	1,040	-	-	92	-	92	0.1									
Manhasset Secondary School	363	30	1	Weight Room Office	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0									
Manhasset Secondary School	364	30	1	Weight Room Office	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Manhasset Secondary School	365	31	1	MS Boys Locker Room	8' 2-Lamp 28W Vaportight Strip LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,730	2,730	-	-	541	-	541	0.2									
Manhasset Secondary School	366	31	1	MS Boys Locker Room	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	2,730	2,730	-	-	60	-	60	0.0									
Manhasset Secondary School	367	32	1	MS Boys Locker Restroom	13W CFL PinBase Surface Drum Shower Fixture	11" LED Ceiling Mount Drum	1	1	10	15	16	16	0	2,340	2,340	-	-	(2)	0	(2)	(0.0)									
Manhasset Secondary School	368	32	1	MS Boys Locker Restroom	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0									
Manhasset Secondary School	369	33	1	MS Boys Locker Office	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,872	1,872	-	-	82	-	82	0.0									

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																7098	7098					396,785	118,030	514,815	159.1				
																Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved								
Manhasset Secondary School	370	34	1	MS Boys Locker Office Restroom	13W CFL PinBase Surface Drum Shower Fixture	11" LED Ceiling Mount Drum	1	1	8	15	16	16	0	1,560	1,560	-	-	(2)	-	(2)	(0.0)								
Manhasset Secondary School	371	34	1	MS Boys Locker Office Restroom	8' 2-Lamp 28W Vaportight Strip LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,248	1,248	-	-	27	-	27	0.0								
Manhasset Secondary School	372	35	1	MS Boys Locker Storage	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	832	832	-	-	18	-	18	0.0								
Manhasset Secondary School	373	35	1	MS Boys Locker Storage	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	832	832	-	-	33	-	33	0.0								
Manhasset Secondary School	374	36	1	Storage Outside MS Boys Locker	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	832	832	-	-	37	-	37	0.0								
Manhasset Secondary School	375	37	1	Storage Outside MS Boys Loc (02)	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0								
Manhasset Secondary School	376	38	1	Hall Between MS Locker Rooms	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	5	5	10	45	27	16	5	4,420	1,326	1,768	1,326	398	442	839	0.1								
Manhasset Secondary School	377	39	1	Girls MS Locker Room	8' 2-Lamp 28W Vaportight Strip LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	2,730	2,730	-	-	120	-	120	0.0								
Manhasset Secondary School	378	39	1	Girls MS Locker Room	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	13	13	10	45	23	23	0	2,730	2,730	-	-	781	-	781	0.3								
Manhasset Secondary School	379	40	1	MS Boys Locker Office (02)	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0								
Manhasset Secondary School	380	41	1	MS Boys Locker Office Restr (02)	13W CFL PinBase Surface Drum Shower Fixture	11" LED Ceiling Mount Drum	1	1	10	15	16	16	0	1,560	1,560	-	-	(2)	-	(2)	(0.0)								
Manhasset Secondary School	381	41	1	MS Boys Locker Office Restr (02)	8' 2-Lamp 28W Vaportight Strip LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,560	1,560	-	-	34	-	34	0.0								
Manhasset Secondary School	382	42	1	MS Boys Locker Storage (02)	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	832	832	-	-	10	-	10	0.0								
Manhasset Secondary School	383	43	1	MS Boys Locker Restroom (02)	13W CFL PinBase Surface Drum Shower Fixture	11" LED Ceiling Mount Drum	1	1	10	15	16	16	0	2,340	2,340	-	-	(2)	0	(2)	(0.0)								
Manhasset Secondary School	384	43	1	MS Boys Locker Restroom (02)	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	10	45	23	23	0	1,872	1,872	-	-	124	-	124	0.1								
Manhasset Secondary School	385	44	1	Office Outside MS Girls Locker	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0								
Manhasset Secondary School	386	44	1	Office Outside MS Girls Locker	8' 2-Lamp 28W Vaportight Strip LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0								
Manhasset Secondary School	387	45	1	Girls Restroom By gym Entrance	2x4 2-Lamp 28W Recessed Troffer Parabolic LBF	2x4 Troffer Kit w/ Adaptable Controls	3	3	10	45	27	16	5	2,340	468	702	1,170	126	155	282	0.1								
Manhasset Secondary School	388	46	1	Gym Entrance Reception	4' 30W LED Wrap Ceiling Mount	No Retrofit	1	1	10	30	30	30	0	2,340	2,340	-	-	-	-	-	-								
Manhasset Secondary School	389	47	1	Custodial S-119	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	1,040	1,040	-	-	15	-	15	0.0								
Manhasset Secondary School	390	48	1	Boys Restroom By gym Entrance	2x4 2-Lamp 28W Recessed Troffer Parabolic LBF	2x4 Troffer Kit w/ Adaptable Controls	3	3	10	45	27	16	5	2,340	468	702	1,170	126	155	282	0.1								
Manhasset Secondary School	391	49	1	Storage S-120	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	3	3	10	25	15	15	0	1,040	1,040	-	-	31	-	31	0.0								
Manhasset Secondary School	392	49	1	Storage S-120	(2) 23W CFL Round Surface Drum	11" LED Ceiling Mount Drum	1	1	10	50	16	16	0	1,040	1,040	-	-	35	-	35	0.0								
Manhasset Secondary School	393	49	1	Storage S-120	23W CFL Screw-in Jelly Jar	9W A19 E26 120V Dimmable, Enclosed	3	3	8	25	9	9	0	1,040	1,040	-	-	50	-	50	0.0								

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																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	394	49	1	Storage S-120	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Manhasset Secondary School	395	50	1	Nurse Office	23W CFL PAR38 Recessed Can	15.5W PAR38 120V Dimmable	2	2	10	25	16	16	0	2,730	2,730	-	-	52	-	52	0.0									
Manhasset Secondary School	396	50	1	Nurse Office	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	27	14	5	2,730	1,638	819	273	98	94	193	0.1									
Manhasset Secondary School	397	51	1	Nurse Private Office	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	27	14	5	2,340	936	702	702	42	47	89	0.0									
Manhasset Secondary School	398	52	1	Nurse Restroom	3' 2-Lamp 25W Vanity Fixture LBF	Relamp, rebalast to TWO 3' LED tubes, new LBF, electronic ballast	1	1	8	46	20	20	0	1,560	1,560	-	-	41	-	41	0.0									
Manhasset Secondary School	399	53	1	Nurse Support Room	3' 2-Lamp 25W Vanity Fixture LBF	Relamp, rebalast to TWO 3' LED tubes, new LBF, electronic ballast	1	1	6	46	20	20	0	2,340	2,340	-	-	61	-	61	0.0									
Manhasset Secondary School	400	53	1	Nurse Support Room	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	12	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0									
Manhasset Secondary School	401	54	1	Nurse Support Storage	(2) Circline (40W & 32W) Lamp Large Surface Drum	11" LED Ceiling Mount Drum	1	1	12	80	16	16	0	1,040	1,040	-	-	67	-	67	0.1									
Manhasset Secondary School	402	55	1	Nurse Exam Room	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	12	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0									
Manhasset Secondary School	403	56	1	Nurse Storage	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	8	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	404	57	1	Nurse Private Office (02)	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	27	14	5	2,340	936	702	702	84	94	178	0.1									
Manhasset Secondary School	405	58	1	Office By Gym	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	4	4	10	45	27	14	5	2,340	936	702	702	168	187	355	0.1									
Manhasset Secondary School	406	59	1	Athletics Office	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	27	14	5	2,340	936	702	702	84	94	178	0.1									
Manhasset Secondary School	407	60	1	Athletics Office (02)	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0									
Manhasset Secondary School	408	61	1	Gym Entry Hall - MS Girls Locker	4' 3-Lamp 28W Wide Wrap Ceiling Mount LBF	Relamp, rebalast to THREE low wattage 4' LED tubes, new LBF, electronic ballast	21	21	10	66	35	35	0	3,120	3,120	-	-	2,064	-	2,064	0.7									
Manhasset Secondary School	409	62	1	Classroom 122	4' 3-Lamp 28W Wide Wrap Ceiling Mount LBF	Relamp, rebalast to THREE low wattage 4' LED tubes, new LBF, electronic ballast	28	28	10	66	35	35	0	2,163	2,163	-	-	1,908	-	1,908	0.9									
Manhasset Secondary School	410	63	1	Prep Room 120A	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	6	6	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Manhasset Secondary School	411	64	1	Classroom 120	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	21	21	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	412	65	1	Boys Restroom By 129	2x4 2-Lamp 28W Recessed Troffer Parabolic LBF	2x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	27	16	5	2,340	468	702	1,170	84	104	188	0.1									
Manhasset Secondary School	413	65	1	Boys Restroom By 129	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	13	4	2,340	468	702	1,170	77	42	119	0.0									
Manhasset Secondary School	414	66	1	Classroom 131	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	18	18	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	415	67	1	131 Storage	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	416	67	1	131 Storage	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	417	68	1	Science Office 133	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	6	6	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	418	69	1	Classroom 141	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	28	28	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	419	70	1	Hall 141 - 122	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	5	5	10	45	27	16	5	4,420	1,326	1,768	1,326	398	442	839	0.1									
Manhasset Secondary School	420	70	1	Hall 141 - 122	2x4 2-Lamp 28W Surface Box Prismatic LBF	2x4 Troffer Surface Mount w/ Adaptable Controls	2	2	10	45	30	18	6	4,420	1,326	1,768	1,326	133	196	329	0.1									
Manhasset Secondary School	421	71	1	Hall Area Bottom Of Stair 5	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	3	3	10	45	27	16	5	4,420	1,326	1,768	1,326	239	265	504	0.1									
Manhasset Secondary School	422	72	1	Classroom 140	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount HBF	Relamp, rebalast to ONE low wattage 4' LED tube, new HBF, electronic ballast	6	6	10	33	18	18	0	2,730	1,911	-	819	254	86	340	0.1									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	423	72	1	Classroom 140	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount HBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new HBF, electronic ballast, Tandem	12	12	10	67	35	35	0	2,730	1,911	-	819	1,048	344	1,392	0.4									
Manhasset Secondary School	424	73	1	140 & 142 Prep Room	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	45	23	23	0	2,340	2,340	-	-	206	-	206	0.1									
Manhasset Secondary School	425	74	1	140 & 142 Prep Storage	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0									
Manhasset Secondary School	426	75	1	Classroom 142	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount HBF	Relamp, reballast to ONE low wattage 4' LED tube, new HBF, electronic ballast	6	6	10	33	18	18	0	2,730	1,911	-	819	254	86	340	0.1									
Manhasset Secondary School	427	75	1	Classroom 142	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount HBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new HBF, electronic ballast, Tandem	12	12	10	67	35	35	0	2,730	1,911	-	819	1,048	344	1,392	0.4									
Manhasset Secondary School	428	76	1	142 Storage	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	429	77	1	Office 140A	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0									
Manhasset Secondary School	430	78	1	Storage S-133	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	431	79	1	Science Center 143	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	6	6	10	25	25	25	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	432	80	1	Science Center Storage	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	2	2	10	25	25	25	0	832	832	-	-	-	-	-	-									
Manhasset Secondary School	433	81	1	Classroom 145	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	11	11	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	434	81	1	Classroom 145	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,730	1,911	-	819	126	38	163	0.0									
Manhasset Secondary School	435	81	1	Classroom 145	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,163	2,163	-	-	381	-	381	0.2									
Manhasset Secondary School	436	82	1	145 Office	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Manhasset Secondary School	437	83	1	129A Prep Room	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	2,340	-	-	54	-	54	0.0									
Manhasset Secondary School	438	83	1	129A Prep Room	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	45	23	23	0	2,340	2,340	-	-	206	-	206	0.1									
Manhasset Secondary School	439	84	1	Computer Room 129	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,163	2,163	-	-	75	-	75	0.0									
Manhasset Secondary School	440	84	1	Computer Room 129	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2									
Manhasset Secondary School	441	85	1	Hall 141 - 145	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	8	8	10	45	27	16	5	4,420	1,326	1,768	1,326	636	706	1,343	0.2									
Manhasset Secondary School	442	86	1	Hall Bottom of Stair 6	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	27	16	5	4,420	1,326	1,768	1,326	80	88	168	0.0									
Manhasset Secondary School	443	87	1	Classroom 149	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	15	15	10	86	46	46	0	2,730	1,911	-	819	1,638	565	2,203	0.6									
Manhasset Secondary School	444	88	1	147 & 149 Prep Room	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	12	86	46	46	0	2,340	2,340	-	-	281	-	281	0.1									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	445	89	1	Classroom 147	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	15	15	10	86	46	46	0	2,730	1,911	-	819	1,638	565	2,203	0.6									
Manhasset Secondary School	446	90	1	127 & 147 Prep Room	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	12	86	46	46	0	2,340	2,340	-	-	281	-	281	0.1									
Manhasset Secondary School	447	91	1	Classroom 127	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,730	1,911	-	819	541	170	710	0.2									
Manhasset Secondary School	448	91	1	Classroom 127	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,163	2,163	-	-	87	-	87	0.0									
Manhasset Secondary School	449	92	1	Hall Outside 110C	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	4,420	1,326	1,768	1,326	159	288	447	0.1									
Manhasset Secondary School	450	93	1	Cafeteria	(2) 24W CFL PinBase Recessed Can	TWO 9W Omni Directional Plug in Ballast BYPass	15	15	10	52	18	18	0	2,600	2,600	-	-	1,326	-	1,326	0.5									
Manhasset Secondary School	451	93	1	Cafeteria	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	13	4	1,820	910	728	182	197	298	494	0.2									
Manhasset Secondary School	452	93	1	Cafeteria	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	44	44	12	31	22	13	4	2,600	1,040	780	780	1,030	1,762	2,791	0.8									
Manhasset Secondary School	453	94	1	SPA Cafeteria	10W LED Tracklight	No Retrofit	24	24	10	10	10	10	0	1,820	1,820	-	-	-	-	-	-									
Manhasset Secondary School	454	94	1	SPA Cafeteria	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	6	6	10	35	35	35	0	1,820	1,820	-	-	-	-	-	-									
Manhasset Secondary School	455	95	1	Faculty Cafeteria	2x4 40W LED Recessed Flat Panel	No Retrofit	20	20	10	40	40	40	0	2,600	2,600	-	-	-	-	-	-									
Manhasset Secondary School	456	96	1	Back Service Hall	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	4,420	4,420	-	-	203	-	203	0.0									
Manhasset Secondary School	457	97	1	Kitchen	2x2 37W LED Recessed Flat Panel	No Retrofit	9	9	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-									
Manhasset Secondary School	458	97	1	Kitchen	2x4 40W LED Recessed Flat Panel	No Retrofit	14	14	10	40	40	40	0	2,340	2,340	-	-	-	-	-	-									
Manhasset Secondary School	459	97	1	Kitchen	23W CFL Screw-in Jelly Jar	9W A19 E26 120V Dimmable, Enclosed	5	5	10	25	9	9	0	2,340	2,340	-	-	187	-	187	0.1									
Manhasset Secondary School	460	98	1	Kitchen Serving Window	2x2 37W LED Recessed Flat Panel	No Retrofit	10	10	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-									
Manhasset Secondary School	461	99	1	Kitchen Fridge	4' 2-Lamp 28W T5 Vaportight Strip	Direct wire TWO 4' T5 LED tubes	2	2	8	63	29	29	0	1,040	1,040	-	-	71	-	71	0.1									
Manhasset Secondary School	462	100	1	Custodial Open Area	4' 1-Lamp 28W Narrow Strip LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	6	6	8	23	12	12	0	2,730	2,730	-	-	188	-	188	0.1									
Manhasset Secondary School	463	101	1	Kitchen Office	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Manhasset Secondary School	464	102	1	Kitchen Fridge (02)	4' 2-Lamp 28W T5 Vaportight Strip	Direct wire TWO 4' T5 LED tubes	2	2	8	63	29	29	0	1,040	1,040	-	-	71	-	71	0.1									
Manhasset Secondary School	465	103	1	Custodial Storage	10W LED Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	10	15	15	0	1,040	1,040	-	-	(5)	-	(5)	(0.0)									
Manhasset Secondary School	466	104	1	Custodial Office	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0									
Manhasset Secondary School	467	105	1	Kitchen Fridge (03)	4' 2-Lamp 28W T5 Vaportight Strip	Direct wire TWO 4' T5 LED tubes	2	2	8	63	29	29	0	1,040	1,040	-	-	71	-	71	0.1									
Manhasset Secondary School	468	106	1	Open Custodial Storage	4' 1-Lamp 28W Narrow Strip LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Manhasset Secondary School	469	107	1	Kitchen Fridge (04)	4' 2-Lamp 28W T5 Vaportight Strip	Direct wire TWO 4' T5 LED tubes	2	2	8	63	29	29	0	1,040	1,040	-	-	71	-	71	0.1									
Manhasset Secondary School	470	108	1	Custodial Restroom	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	2,340	-	-	54	-	54	0.0									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	471	109	1	Storage S-114	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0									
Manhasset Secondary School	472	110	1	Storage S109	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	473	110	1	Storage S109	4' 2-Lamp 28W Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	10	45	23	23	0	1,040	1,040	-	-	69	-	69	0.1									
Manhasset Secondary School	474	110	1	Storage S109	1x4 2-Lamp 28W Ceiling Mounted Troffer Prismatic LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	475	110	1	Storage S109	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	45	23	23	0	1,040	1,040	-	-	92	-	92	0.1									
Manhasset Secondary School	476	111	1	All Gender Restroom In 109	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,560	1,560	-	-	36	-	36	0.0									
Manhasset Secondary School	477	111	1	All Gender Restroom In 109	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,560	1,560	-	-	34	-	34	0.0									
Manhasset Secondary School	478	112	1	Storage S-111	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	479	113	1	Storage S-112	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Manhasset Secondary School	480	114	1	Storage S-113	1x4 2-Lamp 28W Ceiling Mounted Troffer Prismatic LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	10	45	23	23	0	1,040	1,040	-	-	69	-	69	0.1									
Manhasset Secondary School	481	114	1	Storage S-113	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	5	5	10	86	46	46	0	1,040	1,040	-	-	208	-	208	0.2									
Manhasset Secondary School	482	115	1	Hall 120 - 120A	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	7	7	10	45	27	16	5	4,420	1,326	1,768	1,326	557	618	1,175	0.2									
Manhasset Secondary School	483	116	1	Hall Cafe - Kitchen	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	6	6	10	45	27	16	5	4,420	1,326	1,768	1,326	477	530	1,007	0.2									
Manhasset Secondary School	484	117	1	High School Library	(8) 40W Inc. G25 Decorative Pendant	EIGHT 3.8W G25 E26 FILAMENT 120V Dimmable Clear	1	1	15	320	30	30	0	2,340	2,340	-	-	678	-	678	0.3									
Manhasset Secondary School	485	117	1	High School Library	10W LED 4-in Round Recessed Downlight	No Retrofit	12	12	10	10	10	10	0	2,340	2,340	-	-	-	-	-	-									
Manhasset Secondary School	486	117	1	High School Library	2x4 2-Lamp 28W Double Basket Recessed Troffer LBF	2x4 Troffer Fixture w/ Adaptable Controls	37	37	10	45	27	22	5	2,340	1,638	702	-	1,558	888	2,447	0.9									
Manhasset Secondary School	487	117	1	High School Library	2x4 2-Lamp 28W Double Basket Recessed Troffer LBF	2x4 Troffer Fixture w/ Adaptable Controls	6	6	20	45	27	22	5	1,638	1,147	491	-	177	101	278	0.1									
Manhasset Secondary School	488	118	1	Library Study Area	2x4 2-Lamp 28W Double Basket Recessed Troffer LBF	2x4 Troffer Fixture w/ Adaptable Controls	4	4	10	45	27	14	5	2,163	1,622	324	216	156	139	295	0.1									
Manhasset Secondary School	489	119	1	Study Area Exit & Storage	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Manhasset Secondary School	490	119	1	Study Area Exit & Storage	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0									
Manhasset Secondary School	491	120	1	Library Classroom	2x4 2-Lamp 28W Double Basket Recessed Troffer LBF	2x4 Troffer Fixture w/ Adaptable Controls	6	6	10	45	27	22	5	2,730	1,638	819	273	295	203	498	0.1									
Manhasset Secondary School	492	121	1	Library Office	1x4 2-Lamp 28W Surface Box Louvered LBF	1x4 Troffer Surface Mount w/ Adaptable Controls	4	4	10	45	25	13	5	2,340	936	702	702	187	173	360	0.1									
Manhasset Secondary School	493	122	1	Library Storage	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	1,040	1,040	-	-	15	-	15	0.0									
Manhasset Secondary School	494	122	1	Library Storage	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	495	123	1	Library Entry	(2) 24W CFL PinBase Recessed Can	TWO 9W Omni Directional Plug in Ballast BYPass	1	1	8	52	18	18	0	4,420	4,420	-	-	150	-	150	0.0									
Manhasset Secondary School	496	123	1	Library Entry	75W Inc. PAR30 Recessed Can	11W PAR30 E26 4000K 120V Dimmable	2	2	8	75	11	11	0	4,420	4,420	-	-	566	-	566	0.1									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	497	123	1	Library Entry	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	7	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0									
Manhasset Secondary School	498	124	1	Storage S-103	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	499	125	1	Maintenance Office	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,730	2,730	-	-	94	-	94	0.0									
Manhasset Secondary School	500	125	1	Maintenance Office	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,730	2,730	-	-	60	-	60	0.0									
Manhasset Secondary School	501	126	1	Maintenance Meter Room	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	502	126	1	Maintenance Meter Room	8' 4-Lamp 28W Wide Strip LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,040	1,040	-	-	42	-	42	0.0									
Manhasset Secondary School	503	127	1	Maintenance Storage	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	3	3	10	25	15	15	0	1,040	1,040	-	-	31	-	31	0.0									
Manhasset Secondary School	504	128	1	Key Pad Storage 110	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	86	46	46	0	832	832	-	-	133	-	133	0.2									
Manhasset Secondary School	505	129	1	Custodial Storage By 110	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Manhasset Secondary School	506	130	1	Boys Restroom By 110	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	1,872	374	562	936	67	135	202	0.1									
Manhasset Secondary School	507	131	1	Classroom 109	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,163	2,163	-	-	50	-	50	0.0									
Manhasset Secondary School	508	131	1	Classroom 109	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	8	23	12	12	0	2,163	2,163	-	-	50	-	50	0.0									
Manhasset Secondary School	509	131	1	Classroom 109	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	12	45	23	23	0	2,163	2,163	-	-	381	-	381	0.2									
Manhasset Secondary School	510	132	1	106 Office Entry	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	2,163	2,163	-	-	25	-	25	0.0									
Manhasset Secondary School	511	133	1	Office 106A	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,872	1,872	-	-	43	-	43	0.0									
Manhasset Secondary School	512	133	1	Office 106A	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	1,872	1,872	-	-	82	-	82	0.0									
Manhasset Secondary School	513	134	1	Office 106B	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,872	1,872	-	-	41	-	41	0.0									
Manhasset Secondary School	514	135	1	Classroom 104	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	5	5	12	45	23	23	0	2,163	2,163	-	-	238	-	238	0.1									
Manhasset Secondary School	515	136	1	104 Storage	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0									
Manhasset Secondary School	516	137	1	Water Valve Storage	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	8	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	517	138	1	Girls Restroom By 104	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	1,872	374	562	936	67	135	202	0.1									
Manhasset Secondary School	518	139	1	Classroom 102	8' 2-Lamp 28W Standard Wrap Ceiling Mount HBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new HBF, electronic ballast, Tandem	12	12	12	67	35	35	0	2,163	2,163	-	-	831	-	831	0.4									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	519	140	1	Storage S-102	100W Inc. Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	1,040	1,040	-	-	88	-	88	0.1									
Manhasset Secondary School	520	141	1	Storage S-101	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	13	4	1,040	208	312	520	50	36	86	0.1									
Manhasset Secondary School	521	142	1	Classroom 100	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,163	2,163	-	-	100	-	100	0.0									
Manhasset Secondary School	522	142	1	Classroom 100	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,163	2,163	-	-	381	-	381	0.2									
Manhasset Secondary School	523	143	1	Short Hall By 101	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	4	4	10	45	21	13	4	4,420	1,326	1,768	1,326	424	275	699	0.1									
Manhasset Secondary School	524	144	1	Hall 102 - Library	23W CFL SI Recessed Can	15.5W PAR38 120V Dimmable	3	3	10	25	16	16	0	4,420	4,420	-	-	126	-	126	0.0									
Manhasset Secondary School	525	144	1	Hall 102 - Library	2x4 40W LED Recessed Flat Panel	No Retrofit	10	10	10	40	40	40	0	4,420	4,420	-	-	-	-	-	-									
Manhasset Secondary School	526	144	1	Hall 102 - Library	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	5	5	10	45	21	13	4	4,420	1,326	1,768	1,326	530	343	874	0.2									
Manhasset Secondary School	527	144	1	Hall 102 - Library	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	10	10	10	45	23	23	0	4,420	4,420	-	-	972	-	972	0.2									
Manhasset Secondary School	528	145	1	Storage Across Library	23W CFL SI Recessed Can	15.5W PAR38 120V Dimmable	1	1	6	25	16	16	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	529	145	1	Storage Across Library	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,040	1,040	-	-	24	-	24	0.0									
Manhasset Secondary School	530	145	1	Storage Across Library	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	8	86	46	46	0	1,040	1,040	-	-	42	-	42	0.0									
Manhasset Secondary School	531	146	1	Storage Outside Library	1x4 2-Lamp 28W Surface Box Louvered LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	532	146	1	Storage Outside Library	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Manhasset Secondary School	533	146	1	Storage Outside Library	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	534	147	1	Storage Outside Library (02)	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	535	148	1	Maintenance Storage By Library	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,040	1,040	-	-	24	-	24	0.0									
Manhasset Secondary School	536	148	1	Maintenance Storage By Library	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	45	23	23	0	1,040	1,040	-	-	92	-	92	0.1									
Manhasset Secondary School	537	149	1	Maintenance Mechanical Room	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Manhasset Secondary School	538	150	1	Hall Custodial- Library	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	4,420	4,420	-	-	51	-	51	0.0									
Manhasset Secondary School	539	150	1	Hall Custodial- Library	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	11	11	10	45	23	23	0	4,420	4,420	-	-	1,070	-	1,070	0.2									
Manhasset Secondary School	540	151	1	Crawl Space	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Manhasset Secondary School	541	152	1	Copy Center 180	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	2,340	-	-	54	-	54	0.0									

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Manhasset Secondary School	542	152	1	Copy Center 180	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	7	7	10	45	23	23	0	2,340	2,340	-	-	360	-	360	0.2
Manhasset Secondary School	543	153	1	Hall Area Outside Copy Room	2x2 2-ULamp 32W Recessed Troffer Parabolic Hard Ceiling NBF	Relamp, rebalast to TWO U-lamp LED tubes, new NBF, electronic ballast	1	1	8	55	35	35	0	4,420	4,420	-	-	88	-	88	0.0
Manhasset Secondary School	544	153	1	Hall Area Outside Copy Room	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	4,420	4,420	-	-	152	-	152	0.0
Manhasset Secondary School	545	153	1	Hall Area Outside Copy Room	4' 1-Lamp 28W Wall Wash Display Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	8	23	12	12	0	4,420	4,420	-	-	51	-	51	0.0
Manhasset Secondary School	546	154	1	Elevator Lobby	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	55	22	13	4	4,420	1,326	1,768	1,326	292	144	436	0.1
Manhasset Secondary School	547	155	1	Custodial Storage By 178	20W Circline Lamp Square Surface Fixture	11" LED Ceiling Mount Drum	1	1	8	20	16	16	0	1,040	1,040	-	-	4	-	4	0.0
Manhasset Secondary School	548	156	1	Classroom 178	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	12	45	23	23	0	2,163	2,163	-	-	190	-	190	0.1
Manhasset Secondary School	549	157	1	Classroom 146A	1x4 2-Lamp 28W Surface Box Louvered LBF	1x4 Troffer Surface Mount w/ Adaptable Controls	8	8	10	45	25	20	5	2,730	1,638	819	273	437	251	688	0.2
Manhasset Secondary School	550	158	1	146A Restroom	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	1,560	1,560	-	-	22	-	22	0.0
Manhasset Secondary School	551	159	1	Classroom 146	1x4 2-Lamp 28W Surface Box Louvered LBF	1x4 Troffer Surface Mount w/ Adaptable Controls	10	10	10	45	25	20	5	2,730	1,638	819	273	546	314	860	0.3
Manhasset Secondary School	552	160	1	Classroom 181	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,730	1,911	-	819	94	28	122	0.0
Manhasset Secondary School	553	160	1	Classroom 181	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	12	45	23	23	0	2,730	1,911	-	819	360	113	473	0.1
Manhasset Secondary School	554	161	1	Short Hall By 146	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	4,420	4,420	-	-	102	-	102	0.0
Manhasset Secondary School	555	161	1	Short Hall By 146	4' 1-Lamp 28W Wall Wash Display Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	4,420	4,420	-	-	51	-	51	0.0
Manhasset Secondary School	556	162	1	Exit Vestibule By 146	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	4,420	4,420	-	-	51	-	51	0.0
Manhasset Secondary School	557	163	1	Hall To Courtyard	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	13	4	4,420	1,326	1,768	1,326	212	137	350	0.1
Manhasset Secondary School	558	164	1	Classroom 179	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,730	1,911	-	819	94	28	122	0.0
Manhasset Secondary School	559	164	1	Classroom 179	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,730	1,911	-	819	541	170	710	0.2
Manhasset Secondary School	560	165	1	Classroom 174	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,163	2,163	-	-	75	-	75	0.0
Manhasset Secondary School	561	165	1	Classroom 174	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2
Manhasset Secondary School	562	166	1	Classroom 177	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	45	23	23	0	2,730	1,911	-	819	360	113	473	0.1
Manhasset Secondary School	563	167	1	Key Pad Classroom 175	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	45	23	23	0	2,730	1,911	-	819	360	113	473	0.1

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	564	168	1	Classroom 172	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,163	2,163	-	-	75	-	75	0.0									
Manhasset Secondary School	565	168	1	Classroom 172	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2									
Manhasset Secondary School	566	169	1	Classroom 170	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,163	2,163	-	-	75	-	75	0.0									
Manhasset Secondary School	567	169	1	Classroom 170	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,163	2,163	-	-	428	-	428	0.2									
Manhasset Secondary School	568	170	1	Girls Restroom By 170	2x4 2-Lamp 28W Recessed Troffer Parabolic LBF	2x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	27	16	5	2,340	468	702	1,170	84	104	188	0.1									
Manhasset Secondary School	569	170	1	Girls Restroom By 170	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	13	4	2,340	468	702	1,170	77	42	119	0.0									
Manhasset Secondary School	570	171	1	Custodial Storage S-139	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	1,040	1,040	-	-	15	-	15	0.0									
Manhasset Secondary School	571	172	1	Tech Classroom 168	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	25	25	25	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	572	172	1	Tech Classroom 168	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	11	11	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	573	173	1	Tech Back Classroom	2x4 4-Lamp 28W Surface Box Parabolic LBF	2x4 Troffer Surface Mount w/ Adaptable Controls	2	2	10	86	30	24	6	2,730	1,638	819	273	306	75	381	0.1									
Manhasset Secondary School	574	174	1	Tech Classroom 168 (02)	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	25	25	25	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	575	174	1	Tech Classroom 168 (02)	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	11	11	10	35	35	35	0	2,163	2,163	-	-	-	-	-	-									
Manhasset Secondary School	576	175	1	Tech Back Classroom (02)	2x4 4-Lamp 28W Surface Box Parabolic LBF	2x4 Troffer Surface Mount w/ Adaptable Controls	2	2	10	86	30	24	6	2,730	1,638	819	273	306	75	381	0.1									
Manhasset Secondary School	577	176	1	Exit Vestibule By Tech	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	4,420	4,420	-	-	97	-	97	0.0									
Manhasset Secondary School	578	177	1	Hall 168 - 178	2' 2-Lamp 17W Display Case Strip LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	4	4	6	29	18	18	0	4,420	4,420	-	-	194	-	194	0.0									
Manhasset Secondary School	579	177	1	Hall 168 - 178	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	35	35	35	0	4,420	4,420	-	-	-	-	-	-									
Manhasset Secondary School	580	177	1	Hall 168 - 178	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	13	4	4,420	1,326	1,768	1,326	146	72	218	0.0									
Manhasset Secondary School	581	177	1	Hall 168 - 178	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	16	16	10	23	12	12	0	4,420	4,420	-	-	813	-	813	0.2									
Manhasset Secondary School	582	178	1	AV Storage	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	45	23	23	0	1,040	1,040	-	-	137	-	137	0.1									
Manhasset Secondary School	583	179	1	AV Office	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	2,340	-	-	54	-	54	0.0									
Manhasset Secondary School	584	180	1	Office 173	2x4 4-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	10	86	27	14	5	2,340	936	702	702	138	47	185	0.1									
Manhasset Secondary School	585	181	1	Office 171	2x4 4-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	1	1	10	86	27	14	5	2,340	936	702	702	138	47	185	0.1									
Manhasset Secondary School	586	182	1	Classroom 164	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,730	1,911	-	819	94	28	122	0.0									
Manhasset Secondary School	587	182	1	Classroom 164	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	45	23	23	0	2,730	1,911	-	819	180	57	237	0.1									
Manhasset Secondary School	588	183	1	Classroom 169	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,730	1,911	-	819	541	170	710	0.2									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	589	184	1	Classroom 167	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,730	1,911	-	819	541	170	710	0.2									
Manhasset Secondary School	590	185	1	Classroom 162	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,730	1,911	-	819	94	28	122	0.0									
Manhasset Secondary School	591	185	1	Classroom 162	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	45	23	23	0	2,730	1,911	-	819	180	57	237	0.1									
Manhasset Secondary School	592	186	1	Classroom 160	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,730	1,911	-	819	541	170	710	0.2									
Manhasset Secondary School	593	187	1	Classroom 165	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,730	1,911	-	819	541	170	710	0.2									
Manhasset Secondary School	594	188	1	Classroom 158	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,730	1,911	-	819	541	170	710	0.2									
Manhasset Secondary School	595	189	1	Classroom 163	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,730	1,911	-	819	541	170	710	0.2									
Manhasset Secondary School	596	190	1	Math Office 161	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,730	2,730	-	-	63	-	63	0.0									
Manhasset Secondary School	597	190	1	Math Office 161	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	5	5	10	45	23	23	0	2,730	2,730	-	-	300	-	300	0.1									
Manhasset Secondary School	598	190	1	Math Office 161	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,730	2,730	-	-	120	-	120	0.0									
Manhasset Secondary School	599	191	1	Math Office 135A	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0									
Manhasset Secondary School	600	192	1	Classroom 156	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	15	15	10	45	23	23	0	2,730	1,911	-	819	901	283	1,183	0.3									
Manhasset Secondary School	601	193	1	Office 154	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	45	23	23	0	2,730	2,730	-	-	180	-	180	0.1									
Manhasset Secondary School	602	194	1	Womens Faculty Restroom	3' 2-Lamp 25W Vanity Fixture LBF	Relamp, reballast to TWO 3' LED tubes, new LBF, electronic ballast	2	2	6	46	20	20	0	2,340	2,340	-	-	122	-	122	0.1									
Manhasset Secondary School	603	194	1	Womens Faculty Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	2,340	468	702	1,170	63	127	190	0.1									
Manhasset Secondary School	604	195	1	Custodial Across 154	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Manhasset Secondary School	605	196	1	Hall 154 - 173	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	9	9	10	45	21	13	4	4,420	1,326	1,768	1,326	955	618	1,573	0.3									
Manhasset Secondary School	606	196	1	Hall 154 - 173	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	8	8	10	45	27	16	5	4,420	1,326	1,768	1,326	636	706	1,343	0.2									
Manhasset Secondary School	607	197	1	Elevator Lobby By 154	2x4 35W LED Volumetric Recessed Troffer Sensored	No Retrofit	2	2	10	35	35	35	0	4,420	4,420	-	-	-	-	-	-									
Manhasset Secondary School	608	198	1	Hall Outside 154	2x2 25W LED Volumetric Recessed Troffer Sensored	No Retrofit	5	5	10	25	25	25	0	4,420	4,420	-	-	-	-	-	-									
Manhasset Secondary School	609	199	1	Mens Faculty Restroom	3' 2-Lamp 25W Vanity Fixture LBF	Relamp, reballast to TWO 3' LED tubes, new LBF, electronic ballast	2	2	6	46	20	20	0	2,340	2,340	-	-	122	-	122	0.1									
Manhasset Secondary School	610	199	1	Mens Faculty Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	2,340	468	702	1,170	84	169	253	0.1									

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Manhasset Secondary School	611	200	1	Hall Ramp - 147	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	13	13	10	45	21	13	4	4,420	1,326	1,768	1,326	1,379	893	2,272	0.4
Manhasset Secondary School	612	200	1	Hall Ramp - 147	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	4	4	10	45	27	16	5	4,420	1,326	1,768	1,326	318	353	671	0.1
Manhasset Secondary School	613	201	1	Hall To Courtyard (02)	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	13	4	4,420	1,326	1,768	1,326	212	137	350	0.1
Manhasset Secondary School	614	202	1	Office 151	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	45	23	23	0	2,340	2,340	-	-	206	-	206	0.1
Manhasset Secondary School	615	202	1	Office 151	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	86	46	46	0	2,340	2,340	-	-	281	-	281	0.1
Manhasset Secondary School	616	203	LL	Lower Level Elevator Lobby	2x4 35W LED Volumetric Recessed Troffer Sensored	No Retrofit	2	2	10	35	35	35	0	4,420	4,420	-	-	-	-	-	-
Manhasset Secondary School	617	204	LL	Lower Level Boys Restroom	3' 2-Lamp 25W Vanity Fixture LBF	Relamp, reballast to TWO 3' LED tubes, new LBF, electronic ballast	2	2	6	46	20	20	0	2,340	2,340	-	-	122	-	122	0.1
Manhasset Secondary School	618	204	LL	Lower Level Boys Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	2,340	468	702	1,170	63	127	190	0.1
Manhasset Secondary School	619	205	LL	Lower Level Supply Storage	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Manhasset Secondary School	620	206	LL	Lower Level Custodial	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Manhasset Secondary School	621	207	LL	Lower Level Girls Restroom	3' 2-Lamp 25W Vanity Fixture LBF	Relamp, reballast to TWO 3' LED tubes, new LBF, electronic ballast	2	2	6	46	20	20	0	2,340	2,340	-	-	122	-	122	0.1
Manhasset Secondary School	622	207	LL	Lower Level Girls Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	2,340	468	702	1,170	63	127	190	0.1
Manhasset Secondary School	623	208	LL	Office 056	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	2,730	2,730	-	-	31	-	31	0.0
Manhasset Secondary School	624	208	LL	Office 056	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	7	7	10	45	23	23	0	2,730	2,730	-	-	420	-	420	0.2
Manhasset Secondary School	625	209	LL	Private Office 56	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	2,340	-	-	54	-	54	0.0
Manhasset Secondary School	626	210	LL	Classroom 58	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,730	1,911	-	819	-	364	364	-
Manhasset Secondary School	627	211	LL	Classroom 61	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	86	46	46	0	2,730	1,911	-	819	983	339	1,322	0.4
Manhasset Secondary School	628	212	LL	Classroom 63	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	86	46	46	0	2,730	1,911	-	819	983	339	1,322	0.4
Manhasset Secondary School	629	213	LL	Classroom 60	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	86	46	46	0	2,730	1,911	-	819	983	339	1,322	0.4
Manhasset Secondary School	630	214	LL	Classroom 62	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	86	46	46	0	2,730	1,911	-	819	983	339	1,322	0.4
Manhasset Secondary School	631	215	LL	Classroom 64	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	10	45	23	23	0	2,730	1,911	-	819	180	57	237	0.1
Manhasset Secondary School	632	215	LL	Classroom 64	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	86	46	46	0	2,730	1,911	-	819	328	113	441	0.1
Manhasset Secondary School	633	216	LL	Classroom 65	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	86	46	46	0	2,730	1,911	-	819	983	339	1,322	0.4

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Manhasset Secondary School	634	217	LL	Classroom 67	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	86	46	46	0	2,730	1,911	-	819	983	339	1,322	0.4
Manhasset Secondary School	635	218	LL	Classroom 66	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	10	45	23	23	0	2,730	1,911	-	819	180	57	237	0.1
Manhasset Secondary School	636	218	LL	Classroom 66	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,730	1,911	-	819	655	226	881	0.2
Manhasset Secondary School	637	219	LL	Classroom 69	8' 4-Lamp 28W Squared Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	86	46	46	0	2,730	1,911	-	819	983	339	1,322	0.4
Manhasset Secondary School	638	220	LL	Hall 56 - 69	2x2 25W LED Volumetric Recessed Troffer Sensored	No Retrofit	5	5	10	25	25	25	0	4,420	4,420	-	-	-	-	-	-
Manhasset Secondary School	639	220	LL	Hall 56 - 69	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	3	3	10	45	21	13	4	4,420	1,326	1,768	1,326	318	206	524	0.1
Manhasset Secondary School	640	220	LL	Hall 56 - 69	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	6	6	10	45	27	16	5	4,420	1,326	1,768	1,326	477	530	1,007	0.2
Manhasset Secondary School	641	220	LL	Hall 56 - 69	1x4 2-Lamp 28W Recessed Troffer Prismatic BBU LBF	1x4 Troffer Kit w/ Adaptable Controls w/Battery Backup	6	6	10	45	21	13	4	4,420	1,326	1,768	1,326	636	412	1,049	0.2
Manhasset Secondary School	642	221	B	Boiler Room By Service Back Hall	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0
Manhasset Secondary School	643	221	B	Boiler Room By Service Back Hall	100W Inc. Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	1,040	1,040	-	-	88	-	88	0.1
Manhasset Secondary School	644	221	B	Boiler Room By Service Back Hall	24W CFL Pin Base Square Wall Mount Emergency Light	No Retrofit	1	1	10	26	26	26	0	1,040	1,040	-	-	-	-	-	-
Manhasset Secondary School	645	221	B	Boiler Room By Service Back Hall	4' 2-Lamp 28W Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	12	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0
Manhasset Secondary School	646	221	B	Boiler Room By Service Back Hall	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	5	5	10	23	12	12	0	1,040	1,040	-	-	60	-	60	0.1
Manhasset Secondary School	647	221	B	Boiler Room By Service Back Hall	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Manhasset Secondary School	648	221	B	Boiler Room By Service Back Hall	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Manhasset Secondary School	649	221	B	Boiler Room By Service Back Hall	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	15	86	46	46	0	1,040	1,040	-	-	166	-	166	0.2
Manhasset Secondary School	650	221	B	Boiler Room By Service Back Hall	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,040	1,040	-	-	42	-	42	0.0
Manhasset Secondary School	651	222	B	Basement Under Cafeteria	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	12	12	10	45	23	23	0	832	832	-	-	220	-	220	0.3
Manhasset Secondary School	652	223	B	Wrestling Room 137	(2) 13W CFL PinBase Surface Drum	11" LED Ceiling Mount Drum	1	1	10	30	16	16	0	2,860	2,860	-	-	40	-	40	0.0
Manhasset Secondary School	653	223	B	Wrestling Room 137	2x4 3-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	20	20	10	66	27	16	5	2,860	1,559	129	1,173	2,231	1,025	3,256	1.0
Manhasset Secondary School	654	223	B	Wrestling Room 137	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	2,860	2,860	-	-	63	-	63	0.0
Manhasset Secondary School	655	223	B	Wrestling Room 137	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,860	2,860	-	-	503	-	503	0.2
Manhasset Secondary School	656	223	B	Wrestling Room 137	4' 2-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	6	45	23	23	0	2,860	2,860	-	-	126	-	126	0.0

														7098	7098					396,785	118,030	514,815	159.1				
														Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved						
Manhasset Secondary School	657	-	1	Athletic Field Building	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	12	12	9	45	23	23	0	1,040	1,040	-	-	275	-	275	0.3						
Manhasset Secondary School	658	-	E	Athletic Field Building	70W HPS Security Style Wallpack	20W Small Wall Pack	2	2	8	95	20	20	0	4,368	4,368	-	-	655	-	655	0.2						
Manhasset Secondary School	659	1	E	Gym Entrance	(2) 23W CFL Screw-in Decorative Wall Sconce	TWO 9W A19 E26 850 120V Enclosed, Exterior	2	2	8	50	18	18	0	4,368	4,368	-	-	280	-	280	0.1						
Manhasset Secondary School	660	1	E	Gym Entrance	2' 2-Lamp 17W Vaportight Strip LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	3	3	10	29	18	18	0	4,368	4,368	-	-	144	-	144	0.0						
Manhasset Secondary School	661	2	E	Exit By 110C	100W HPS Semi Recessed Open Face Wallpack	34W E26 850 120V/277V, Enclosed, Dimmable	2	2	10	128	34	34	0	4,368	4,368	-	-	821	-	821	0.2						
Manhasset Secondary School	662	3	E	110C	100W HPS Semi Recessed Open Face Wallpack	34W E26 850 120V/277V, Enclosed, Dimmable	4	4	10	128	34	34	0	4,368	4,368	-	-	1,642	-	1,642	0.4						
Manhasset Secondary School	663	4	E	Floods Outside 218	120W LED Slipfit Flood	No Retrofit	2	2	30	120	120	120	0	4,368	4,368	-	-	-	-	-	-						
Manhasset Secondary School	664	5	E	Service Entrance	80W LED Knuckle Flood	No Retrofit	1	1	8	80	80	80	0	4,368	4,368	-	-	-	-	-	-						
Manhasset Secondary School	665	6	E	Exit By Service Entrance	23W CFL Screw-in Jelly Jar	9W A19 E26 850 120V Enclosed, Exterior	1	1	10	25	9	9	0	4,368	4,368	-	-	70	-	70	0.0						
Manhasset Secondary School	666	7	E	Flood By Service Entrance	250W MH Slip Fit Flood	10L LED Exterior Flood Fixture	1	1	30	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2						
Manhasset Secondary School	667	8	E	Flood By Service Entrance (02)	250W MH Slip Fit Flood	10L LED Exterior Flood Fixture	1	1	30	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2						
Manhasset Secondary School	668	9	E	Exit By 102	100W HPS Semi Recessed Open Face Wallpack Mounted on Surface	20W LED Square Canopy Fixture with Emergency Backup	1	1	10	128	18	18	0	4,368	4,368	-	-	480	-	480	0.1						
Manhasset Secondary School	669	10	E	Exit By 102 (02)	100W HPS Semi Recessed Open Face Wallpack Mounted on Surface	5,000 Lumen Open Face Wall Pack with photocell	1	1	10	128	40	40	0	4,368	4,368	-	-	384	-	384	0.1						
Manhasset Secondary School	670	11	E	Main Driveway Entrance	(2) 23W CFL Screw-in Decorative Wall Sconce	TWO 9W A19 E26 850 120V Enclosed, Exterior	2	2	10	50	18	18	0	4,368	4,368	-	-	280	-	280	0.1						
Manhasset Secondary School	671	11	E	Main Driveway Entrance	120W LED Slipfit Flood	No Retrofit	2	2	30	120	120	120	0	4,368	4,368	-	-	-	-	-	-						
Manhasset Secondary School	672	12	E	Front Driveway Flood	120W LED Slipfit Flood	No Retrofit	1	1	25	120	120	120	0	4,368	4,368	-	-	-	-	-	-						
Manhasset Secondary School	673	13	E	Front Driveway Flood (02)	250W MH Slip Fit Flood	10L LED Exterior Flood Fixture	1	1	25	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2						
Manhasset Secondary School	674	14	E	High School Entrance	150W MH Decorative Area Light Wall Mount	34W E26 850 120V/277V, Enclosed, Dimmable	2	2	10	190	34	34	0	4,368	4,368	-	-	1,363	-	1,363	0.3						
Manhasset Secondary School	675	15	E	Exit By 219	(2) 23W CFL Screw-in Decorative Wall Sconce	TWO 9W A19 E26 850 120V Enclosed, Exterior	2	2	8	50	18	18	0	4,368	4,368	-	-	280	-	280	0.1						
Manhasset Secondary School	676	15	E	Exit By 219	250W MH Slip Fit Flood	10L LED Exterior Flood Fixture	1	1	25	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2						
Manhasset Secondary School	677	16	E	Middle School Main Entrance	(2) 23W CFL Screw-in Decorative Wall Sconce	TWO 9W A19 E26 850 120V Enclosed, Exterior	1	1	8	50	18	18	0	4,368	4,368	-	-	140	-	140	0.0						
Manhasset Secondary School	678	16	E	Middle School Main Entrance	150W HPS Open Face Wallpack	5,000 Lumen Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	15	190	40	40	0	4,368	4,368	-	-	655	-	655	0.2						
Manhasset Secondary School	679	17	E	Flood Outside 208	150W MH Yoke Flood	10L LED Exterior Flood Fixture	1	1	20	190	82	82	0	4,368	4,368	-	-	471	-	471	0.1						
Manhasset Secondary School	680	18	E	Flood Outside Exit By 174	(2) 23W CFL Screw-in Decorative Wall Sconce	TWO 9W A19 E26 850 120V Enclosed, Exterior	2	2	8	50	18	18	0	4,368	4,368	-	-	280	-	280	0.1						
Manhasset Secondary School	681	18	E	Flood Outside Exit By 174	150W MH Yoke Flood	10L LED Exterior Flood Fixture	1	1	20	190	82	82	0	4,368	4,368	-	-	471	-	471	0.1						
Manhasset Secondary School	682	19	E	Flood Outside 270	150W MH Yoke Flood	10L LED Exterior Flood Fixture	1	1	20	190	82	82	0	4,368	4,368	-	-	471	-	471	0.1						
Manhasset Secondary School	683	20	E	Exit By Guidance	150W MH Slip Fit Flood	10L LED Exterior Flood Fixture	1	1	15	190	82	82	0	4,368	4,368	-	-	471	-	471	0.1						
Manhasset Secondary School	684	20	E	Exit By Guidance	100W HPS Semi Recessed Open Face Wallpack Mounted on Surface	5,000 Lumen Open Face Wall Pack with photocell	1	1	10	128	40	40	0	4,368	4,368	-	-	384	-	384	0.1						
Manhasset Secondary School	685	21	E	Exit By 162	150W HPS Open Face Wallpack	5,000 Lumen Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	10	190	40	40	0	4,368	4,368	-	-	655	-	655	0.2						
Manhasset Secondary School	686	22	E	Exit By 64	70W HPS Wall Sconce	28W Full Cutoff Wall Pack with Photocell	1	1	8	95	27	27	0	4,368	4,368	-	-	297	-	297	0.1						
Manhasset Secondary School	687	22	E	Exit By 64	70W HPS Wall Sconce	28W Full Cutoff Wall Pack with photocell and emergency back-up to maintain required light levels at egress	1	1	8	95	27	27	0	4,368	4,368	-	-	297	-	297	0.1						

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	688	23	E	Floods Outside 258 & 260	250W HPS Slip Fit Flood	10L LED Exterior Flood Fixture	2	2	30	295	82	82	0	4,368	4,368	-	-	1,859	-	1,859	0.4									
Manhasset Secondary School	689	24	E	Exit By 56	70W HPS Wall Sconce	28W Full Cutoff Wall Pack with Photocell	1	1	8	95	27	27	0	4,368	4,368	-	-	297	-	297	0.1									
Manhasset Secondary School	690	24	E	Exit By 56	70W HPS Wall Sconce	28W Full Cutoff Wall Pack with photocell and emergency back-up to maintain required light levels at egress	1	1	8	95	27	27	0	4,368	4,368	-	-	297	-	297	0.1									
Manhasset Secondary School	691	25	E	Flood By 56	250W MH Slip Fit Flood	10L LED Exterior Flood Fixture	1	1	35	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2									
Manhasset Secondary School	692	25	E	Flood By 56	100W HPS Semi Recessed Open Face Wallpack Mounted on Surface	5,000 Lumen Open Face Wall Pack with photocell	1	1	10	128	40	40	0	4,368	4,368	-	-	384	-	384	0.1									
Manhasset Secondary School	693	26	E	Elevator Machine Room	80W LED Wall Mount Area Light	No Retrofit	2	2	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-									
Manhasset Secondary School	694	27	E	Exit Under 248	100W HPS Semi Recessed Open Face Wallpack Mounted on Surface	5,000 Lumen Open Face Wall Pack with photocell	1	1	10	128	40	40	0	4,368	4,368	-	-	384	-	384	0.1									
Manhasset Secondary School	695	27	E	Exit Under 248	100W HPS Semi Recessed Open Face Wallpack Mounted on Surface	5,000 Lumen Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	10	128	40	40	0	4,368	4,368	-	-	384	-	384	0.1									
Manhasset Secondary School	696	28	E	Wallpack Over Stairs	32W CFL PinBase Full Cutoff Wallpack	28W Full Cutoff Wall Pack with photocell and emergency back-up to maintain required light levels at egress	1	1	15	34	27	27	0	4,368	4,368	-	-	31	-	31	0.0									
Manhasset Secondary School	697	29	E	Wallpacks Outside Locker Room	50W HPS Knuckle Flood	36W knuckle/ground mountable flood	1	1	10	72	35	35	0	4,368	4,368	-	-	162	-	162	0.0									
Manhasset Secondary School	698	29	E	Wallpacks Outside Locker Room	32W CFL PinBase Full Cutoff Wallpack	28W Full Cutoff Wall Pack with Photocell	1	1	10	34	27	27	0	4,368	4,368	-	-	31	-	31	0.0									
Manhasset Secondary School	699	29	E	Wallpacks Outside Locker Room	100W HPS Semi Recessed Open Face Wallpack Mounted on Surface	5,000 Lumen Open Face Wall Pack with photocell	2	2	10	128	40	40	0	4,368	4,368	-	-	769	-	769	0.2									
Manhasset Secondary School	700	29	E	Wallpacks Outside Locker Room	100W HPS Semi Recessed Open Face Wallpack Mounted on Surface	5,000 Lumen Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	10	128	40	40	0	4,368	4,368	-	-	384	-	384	0.1									
Manhasset Secondary School	701	29	E	Wallpacks Outside Locker Room	150W HPS Open Face Wallpack	5,000 Lumen Open Face Wall Pack with photocell	1	1	20	190	40	40	0	4,368	4,368	-	-	655	-	655	0.2									
Manhasset Secondary School	702	30	E	Locker Exit (MS Gym Exit)	100W HPS Square Surface Canopy	20W LED Square Canopy Fixture	1	1	10	128	18	18	0	4,368	4,368	-	-	480	-	480	0.1									
Manhasset Secondary School	703	30	E	Locker Exit (MS Gym Exit)	100W HPS Square Surface Canopy	20W LED Square Canopy Fixture with Emergency Backup	1	1	10	128	18	18	0	4,368	4,368	-	-	480	-	480	0.1									
Manhasset Secondary School	704	30	E	Locker Exit (MS Gym Exit)	250W MH Slip Fit Flood	10L LED Exterior Flood Fixture	1	1	15	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2									
Manhasset Secondary School	705	31	E	Flood Outside Gym	250W HPS Slip Fit Flood	10L LED Exterior Flood Fixture	2	2	25	295	82	82	0	4,368	4,368	-	-	1,859	-	1,859	0.4									
Manhasset Secondary School	706	32	E	Gym Exits	250W HPS Slip Fit Flood	10L LED Exterior Flood Fixture	2	2	20	295	82	82	0	4,368	4,368	-	-	1,859	-	1,859	0.4									
Manhasset Secondary School	707	32	E	Gym Exits	32W CFL PinBase Full Cutoff Wallpack	28W Full Cutoff Wall Pack with photocell and emergency back-up to maintain required light levels at egress	1	1	10	34	27	27	0	4,368	4,368	-	-	31	-	31	0.0									
Manhasset Secondary School	708	32	E	Gym Exits	70W HPS Open Face Wallpack	5,000 Lumen Open Face Wall Pack with photocell	1	1	10	95	40	40	0	4,368	4,368	-	-	240	-	240	0.1									
Manhasset Secondary School	709	32	E	Gym Exits	70W HPS Open Face Wallpack	5,000 Lumen Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	10	95	40	40	0	4,368	4,368	-	-	240	-	240	0.1									
Manhasset Secondary School	710	33	E	Wallpack By Field	150W HPS Open Face Wallpack	5,000 Lumen Open Face Wall Pack with photocell	1	1	10	190	40	40	0	4,368	4,368	-	-	655	-	655	0.2									
Manhasset Secondary School	711	34	E	Exit By Tennis Court	100W HPS Semi Recessed Open Face Wallpack Mounted on Surface	5,000 Lumen Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	10	128	40	40	0	4,368	4,368	-	-	384	-	384	0.1									
Manhasset Secondary School	712	34	E	Exit By Tennis Court	150W HPS Open Face Wallpack	Disconnect and remove	1	1	12	190	0	0	0	4,368	4,368	-	-	830	-	830	0.2									
Manhasset Secondary School	713	35	E	Wallpack By Field (02)	150W HPS Open Face Wallpack	5,000 Lumen Open Face Wall Pack with photocell	1	1	10	190	40	40	0	4,368	4,368	-	-	655	-	655	0.2									
Manhasset Secondary School	714	36	E	Flood Over 128A	120W LED Slipfit Flood	No Retrofit	1	1	10	120	120	120	0	4,368	4,368	-	-	-	-	-	-									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Manhasset Secondary School	715	37	E	Front Walkway Pole	80W LED Post Top Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-									
Manhasset Secondary School	716	38	E	Front Walkway Pole (02)	80W LED Post Top Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-									
Manhasset Secondary School	717	39	E	Front Walkway Pole (03)	80W LED Post Top Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-									
Manhasset Secondary School	718	40	E	Front Walkway Pole (04)	80W LED Post Top Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-									
Manhasset Secondary School	719	41	E	Front Walkway Pole (05)	80W LED Post Top Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-									
Musco Field Lighting	720	42	E	Football Field	1500W Sports Field Flood	No Retrofit	58	58	30	1610	1610	1610	0	550	550	-	-	-	-	-	-									
Musco Field Lighting	721	42	E	Football Field	1500W Sports Field Flood	No Retrofit	8	8	30	1610	1610	1610	0	550	550	-	-	-	-	-	-									
Musco Field Lighting	722	42	E	Football Field	1000W Sports Field Flood	No Retrofit	2	2	30	1080	1080	1080	0	550	550	-	-	-	-	-	-									
Musco Field Lighting	723	43	E	Football Field (02)	1500W Sports Field Flood	No Retrofit	36	36	30	1610	1610	1610	0	550	550	-	-	-	-	-	-									
Manhasset Secondary School	724	44	E	Tennis Court Floods	150W MH Yoke Flood	10L LED Exterior Flood Fixture	2	2	20	190	82	82	0	550	550	-	-	119	-	119	0.2									
Manhasset Secondary School	725	44	E	Tennis Court Floods	250W MH Slip Fit Flood	20L LED Exterior Flood Fixture	10	10	20	295	147	147	0	550	550	-	-	814	-	814	1.5									
Shelter Rock ES	726	1	2	Stair #1	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	3,900	3,900	-	-	45	-	45	0.0									
Shelter Rock ES	727	1	2	Stair #1	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	15	23	12	12	0	3,900	3,900	-	-	90	-	90	0.0									
Shelter Rock ES	728	1	2	Stair #1	4' 2-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	6	45	23	23	0	3,900	3,900	-	-	172	-	172	0.0									
Shelter Rock ES	729	2	2	Classroom 41	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	730	2	2	Classroom 41	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0									
Shelter Rock ES	731	2	2	Classroom 41	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	2,340	1,638	-	702	566	178	744	0.2									
Shelter Rock ES	732	3	2	41 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0									
Shelter Rock ES	733	4	2	41 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	734	5	2	Classroom 42	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	735	5	2	Classroom 42	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,340	1,638	-	702	81	24	105	0.0									
Shelter Rock ES	736	5	2	Classroom 42	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	14	14	10	45	23	23	0	2,340	1,638	-	702	721	226	947	0.3									
Shelter Rock ES	737	6	2	42 Storage	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Shelter Rock ES	738	7	2	42 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	739	8	2	Classroom 43	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									

E=Existing P=Proposed

Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	7098		Ht	Fixture Watts				Estimated Hours for Energy Savings				396,785	118,030	514,815	159.1
							Fixture Qty			E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	SAVINGS			
							E	P		E	P	E	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved		
Shelter Rock ES	740	8	2	Classroom 43	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0
Shelter Rock ES	741	8	2	Classroom 43	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	2,340	1,638	-	702	566	178	744	0.2
Shelter Rock ES	742	9	2	43 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0
Shelter Rock ES	743	10	2	43 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0
Shelter Rock ES	744	11	2	Classroom 45	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0
Shelter Rock ES	745	11	2	Classroom 45	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0
Shelter Rock ES	746	11	2	Classroom 45	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	2,340	1,638	-	702	566	178	744	0.2
Shelter Rock ES	747	12	2	45 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0
Shelter Rock ES	748	13	2	43 Office (02)	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0
Shelter Rock ES	749	14	2	Classroom 44	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0
Shelter Rock ES	750	14	2	Classroom 44	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0
Shelter Rock ES	751	14	2	Classroom 44	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	2,340	1,638	-	702	566	178	744	0.2
Shelter Rock ES	752	15	2	44 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0
Shelter Rock ES	753	16	2	44 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0
Shelter Rock ES	754	17	2	Open Hall 40-45	1x4 37W LED Recessed Flat Panel	No Retrofit	10	10	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-
Shelter Rock ES	755	18	2	Elevator Lobby	2x2 37W LED Recessed Flat Panel	No Retrofit	8	8	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-
Shelter Rock ES	756	19	2	Elevator Machine Room	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	757	20	2	Stair #2	4' 30W LED Wrap Ceiling Mount	No Retrofit	3	3	7	30	30	30	0	3,900	3,900	-	-	-	-	-	-
Shelter Rock ES	758	21	2	All Gender Restroom	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,560	1,560	-	-	34	-	34	0.0
Shelter Rock ES	759	22	2	Girls Restroom	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,340	2,340	-	-	108	-	108	0.0
Shelter Rock ES	760	23	2	Office 57	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-
Shelter Rock ES	761	24	2	Custodial Next To 57	4' 2-Lamp 28W Turret Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	762	25	2	Boys Restroom	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,340	2,340	-	-	108	-	108	0.0

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Shelter Rock ES	763	26	2	Storage 4	4' 2-Lamp 28W Turret Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Shelter Rock ES	764	27	2	Open Hall 44-50	1x4 37W LED Recessed Flat Panel	No Retrofit	13	13	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-									
Shelter Rock ES	765	27	2	Open Hall 44-50	4' 1-Lamp 28W Wall Wash Display Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	6	23	12	12	0	3,900	3,900	-	-	179	-	179	0.0									
Shelter Rock ES	766	28	2	Classroom 46	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	767	28	2	Classroom 46	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0									
Shelter Rock ES	768	28	2	Classroom 46	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	2,340	1,638	-	702	566	178	744	0.2									
Shelter Rock ES	769	29	2	46 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0									
Shelter Rock ES	770	30	2	46 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	771	31	2	Classroom 47B	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	772	31	2	Classroom 47B	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	2,340	1,638	-	702	27	8	35	0.0									
Shelter Rock ES	773	31	2	Classroom 47B	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	45	23	23	0	2,340	1,638	-	702	206	65	271	0.1									
Shelter Rock ES	774	32	2	Classroom 47A	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	775	32	2	Classroom 47A	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	7	7	10	45	23	23	0	2,340	1,638	-	702	360	113	473	0.2									
Shelter Rock ES	776	33	2	47 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	777	34	2	Classroom 47 Entrance	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	2,340	1,638	-	702	27	8	35	0.0									
Shelter Rock ES	778	35	2	47 Storage	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Shelter Rock ES	779	36	2	Classroom 48	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	780	36	2	Classroom 48	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0									
Shelter Rock ES	781	36	2	Classroom 48	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	2,340	1,638	-	702	566	178	744	0.2									
Shelter Rock ES	782	37	2	48 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	783	38	2	48 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Shelter Rock ES	784	39	2	Classroom 50	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	785	39	2	Classroom 50	2x2 37W LED Recessed Flat Panel	No Retrofit	16	16	10	37	37	37	0	2,340	1,638	-	702	-	416	416	-									
Shelter Rock ES	786	40	2	50 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0									
Shelter Rock ES	787	41	2	50 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	788	42	2	Classroom 49	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	789	42	2	Classroom 49	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0									
Shelter Rock ES	790	42	2	Classroom 49	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	12	12	10	45	23	23	0	2,340	1,638	-	702	618	194	812	0.3									
Shelter Rock ES	791	43	2	49 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0									
Shelter Rock ES	792	44	2	Open Hall 46 - 50	1x4 37W LED Recessed Flat Panel	No Retrofit	10	10	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-									
Shelter Rock ES	793	45	2	All Gender Restroom (02)	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,560	1,560	-	-	36	-	36	0.0									
Shelter Rock ES	794	46	2	Girls Restroom (02)	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,340	2,340	-	-	108	-	108	0.0									
Shelter Rock ES	795	47	2	Storage By 56	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Shelter Rock ES	796	48	2	Office 56	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	797	49	2	Custodial Next To 56	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Shelter Rock ES	798	50	2	Boys Restroom (02)	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,340	2,340	-	-	108	-	108	0.0									
Shelter Rock ES	799	51	2	Storage 5	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Shelter Rock ES	800	52	2	Stair #3	4' 30W LED Wrap Ceiling Mount	No Retrofit	3	3	7	30	30	30	0	3,900	3,900	-	-	-	-	-	-									
Shelter Rock ES	801	53	2	Open Hall 50 - 55	1x4 37W LED Recessed Flat Panel	No Retrofit	13	13	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-									
Shelter Rock ES	802	53	2	Open Hall 50 - 55	4' 1-Lamp 28W Wall Wash Display Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	6	23	12	12	0	3,900	3,900	-	-	179	-	179	0.0									
Shelter Rock ES	803	54	2	Classroom 51	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	804	54	2	Classroom 51	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0									
Shelter Rock ES	805	54	2	Classroom 51	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	2,340	1,638	-	702	566	178	744	0.2									
Shelter Rock ES	806	55	2	51 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	807	56	2	51 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Shelter Rock ES	808	57	2	Classroom 52	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	809	57	2	Classroom 52	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,340	1,638	-	702	81	24	105	0.0									
Shelter Rock ES	810	57	2	Classroom 52	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	14	14	10	45	23	23	0	2,340	1,638	-	702	721	226	947	0.3									
Shelter Rock ES	811	58	2	52 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	812	59	2	52 Storage	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Shelter Rock ES	813	60	2	Classroom 53	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	814	60	2	Classroom 53	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0									
Shelter Rock ES	815	60	2	Classroom 53	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	2,340	1,638	-	702	566	178	744	0.2									
Shelter Rock ES	816	61	2	53 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	817	62	2	53 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0									
Shelter Rock ES	818	63	2	Stair #4	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	3,900	3,900	-	-	45	-	45	0.0									
Shelter Rock ES	819	63	2	Stair #4	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	15	23	12	12	0	3,900	3,900	-	-	90	-	90	0.0									
Shelter Rock ES	820	63	2	Stair #4	4' 2-Lamp 28W Wall Wash Fixture LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	3,900	3,900	-	-	172	-	172	0.0									
Shelter Rock ES	821	64	2	Classroom 54	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	822	64	2	Classroom 54	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0									
Shelter Rock ES	823	64	2	Classroom 54	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	2,340	1,638	-	702	566	178	744	0.2									
Shelter Rock ES	824	65	2	54 Storage	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0									
Shelter Rock ES	825	66	2	54 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	826	67	2	Classroom 55	4' 1-Lamp 28W Vanity Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	827	67	2	Classroom 55	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0									
Shelter Rock ES	828	67	2	Classroom 55	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	2,340	1,638	-	702	566	178	744	0.2									

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																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Shelter Rock ES	829	68	2	55 Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Shelter Rock ES	830	69	2	54 Storage (02)	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0									
Shelter Rock ES	831	70	2	Open Hall 51 - 55	1x4 37W LED Recessed Flat Panel	No Retrofit	10	10	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-									
Shelter Rock ES	832	71	2	Stair #5	4' 2-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	10	45	23	23	0	3,900	3,900	-	-	257	-	257	0.1									
Shelter Rock ES	833	72	2	Classroom 40	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0									
Shelter Rock ES	834	72	2	Classroom 40	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	10	10	10	45	23	23	0	2,340	1,638	-	702	515	161	676	0.2									
Shelter Rock ES	835	73	2	Storage 40	100W Inc. Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	1,040	1,040	-	-	88	-	88	0.1									
Shelter Rock ES	836	74	2	Fan Room	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	45	23	23	0	1,040	1,040	-	-	92	-	92	0.1									
Shelter Rock ES	837	75	2	Classroom 39	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,872	1,872	-	-	22	-	22	0.0									
Shelter Rock ES	838	75	2	Classroom 39	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	7	7	10	45	23	23	0	1,872	1,872	-	-	288	-	288	0.2									
Shelter Rock ES	839	76	2	Stair #6	4' 2-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	10	45	23	23	0	3,120	3,120	-	-	206	-	206	0.1									
Shelter Rock ES	840	1	1	Office Vestibule	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	2	2	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-									
Shelter Rock ES	841	2	1	Open Office	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	4	4	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-									
Shelter Rock ES	842	3	1	Office Reception Restroom	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	1,560	312	468	780	37	27	64	0.0									
Shelter Rock ES	843	4	1	Office Secretary Custodial	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	25	25	25	0	1,040	1,040	-	-	-	-	-	-									
Shelter Rock ES	844	5	1	Boys Locker Room	30W LED 4' Narrow Strip	No Retrofit	11	11	12	30	30	30	0	2,340	2,340	-	-	-	-	-	-									
Shelter Rock ES	845	5	1	Boys Locker Room	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-									
Shelter Rock ES	846	6	1	Boys Locker Restroom	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-									
Shelter Rock ES	847	6	1	Boys Locker Restroom	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	2	2	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Shelter Rock ES	848	7	1	Boys Locker Room Office	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	2	2	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Shelter Rock ES	849	8	1	Boys Locker Office Restroom	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	35	35	35	0	1,248	1,248	-	-	-	-	-	-									
Shelter Rock ES	850	9	1	Gym	LED 140W Highbay Mounted to Purlin	No Retrofit	12	12	18	140	140	140	0	2,730	2,730	-	-	-	-	-	-									
Shelter Rock ES	851	10	1	Gym Storage	8' 4-Lamp 28W Turret Strip LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	14	86	46	46	0	1,040	1,040	-	-	42	-	42	0.0									
Shelter Rock ES	852	11	1	Gym Storage (02)	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	14	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Shelter Rock ES	853	12	1	Gym Storage (03)	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	14	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Shelter Rock ES	854	13	1	Gym Storage (04)	8' 4-Lamp 28W Turret Strip LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	14	86	46	46	0	1,040	1,040	-	-	42	-	42	0.0									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Shelter Rock ES	855	14	1	Girls Locker Vestibule	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	11	4	2,340	1,404	702	234	112	63	175	0.1									
Shelter Rock ES	856	15	1	Girls Locker Office	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	11	4	2,340	936	702	702	112	73	185	0.1									
Shelter Rock ES	857	16	1	Girls Locker Office Restroom	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	2,340	468	702	1,170	56	40	96	0.0									
Shelter Rock ES	858	17	1	Girls Locker	100W Inc. Round Recessed Downlight	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	2,340	2,340	-	-	199	-	199	0.1									
Shelter Rock ES	859	17	1	Girls Locker	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	12	23	12	12	0	2,340	2,340	-	-	81	-	81	0.0									
Shelter Rock ES	860	17	1	Girls Locker	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	12	45	23	23	0	2,340	2,340	-	-	206	-	206	0.1									
Shelter Rock ES	861	18	1	Girls Locker Restroom	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	3	3	10	45	27	16	5	2,340	468	702	1,170	126	155	282	0.1									
Shelter Rock ES	862	19	1	Girls Locker Custodial	100W Inc. Round Recessed Downlight	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	1,040	1,040	-	-	88	-	88	0.1									
Shelter Rock ES	863	20	1	Girls Locker Storage	10W LED Round Recessed Downlight	15W A21 E26 120V Dimmable, Enclosed	1	1	10	10	15	15	0	1,040	1,040	-	-	(5)	-	(5)	(0.0)									
Shelter Rock ES	864	21	1	Music Room 37	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	23	23	10	45	21	17	4	1,872	1,404	281	187	1,033	335	1,368	0.6									
Shelter Rock ES	865	22	1	37 Storage	8' 4-Lamp 28W Turret Strip LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,040	1,040	-	-	42	-	42	0.0									
Shelter Rock ES	866	23	1	Music Office	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-									
Shelter Rock ES	867	24	1	Music Storage	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	13	4	1,040	208	312	520	50	36	86	0.1									
Shelter Rock ES	868	25	1	Music Storage (02)	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Shelter Rock ES	869	26	1	Music Room 36	1x2 2-Lamp 17W Recessed Troffer Prismatic NBF	Disconnect and remove	1	1	10	31	0	0	0	1,872	1,872	-	-	58	-	58	0.0									
Shelter Rock ES	870	26	1	Music Room 36	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	19	19	10	45	21	17	4	1,872	1,404	281	187	854	276	1,130	0.5									
Shelter Rock ES	871	27	1	Hall Music 37 - 36	4' 1-Lamp 28W Display Case Strip LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	3,900	3,900	-	-	45	-	45	0.0									
Shelter Rock ES	872	27	1	Hall Music 37 - 36	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	8	8	10	45	21	13	4	3,900	1,170	1,560	1,170	749	485	1,234	0.3									
Shelter Rock ES	873	28	1	PT Room	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	10	45	23	23	0	2,340	2,340	-	-	154	-	154	0.1									
Shelter Rock ES	874	28	1	PT Room	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0									
Shelter Rock ES	875	28	1	PT Room	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0									
Shelter Rock ES	876	29	1	Stage	75W Halogen PAR38 Pendant Downlight	15.5W PAR38 120V Dimmable in High Ceiling Application	8	8	14	75	16	16	0	1,560	1,560	-	-	743	-	743	0.5									
Shelter Rock ES	877	29	1	Stage	10W LED Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	10	15	15	0	1,560	1,560	-	-	(8)	-	(8)	(0.0)									
Shelter Rock ES	878	30	1	Auditorium	10W LED Walkway Fixture	No Retrofit	12	12	2	10	10	10	0	1,560	1,560	-	-	-	-	-	-									
Shelter Rock ES	879	30	1	Auditorium	75W Halogen PAR38 Recessed Downlight	15.5W PAR38 120V Dimmable in High Ceiling Application	51	51	12	75	16	16	0	1,560	1,560	-	-	4,734	-	4,734	3.0									
Shelter Rock ES	880	31	1	Auditorium Storage	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Shelter Rock ES	881	32	1	Auditorium Storage (02)	100W Inc. Round Recessed Downlight	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	1,040	1,040	-	-	88	-	88	0.1									
Shelter Rock ES	882	33	1	Boiler Room	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	12	12	14	45	23	23	0	1,040	1,040	-	-	275	-	275	0.3									

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																7098	7098					396,785	118,030	514,815	159.1				
																Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved								
Shelter Rock ES	883	33	1	Boiler Room	4' 1-Lamp 28W Wall Wash Display Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	8	23	12	12	0	1,040	1,040	-	-	24	-	24	0.0								
Shelter Rock ES	884	34	1	Boiler Entrance	4' 2-Lamp 28W Turret Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	12	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0								
Shelter Rock ES	885	35	1	Custodial Office	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0								
Shelter Rock ES	886	36	1	Custodial Restroom	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	1,560	312	468	780	37	27	64	0.0								
Shelter Rock ES	887	37	1	Custodial Receiving	4' 2-Lamp 28W Turret Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	12	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0								
Shelter Rock ES	888	37	1	Custodial Receiving	8' 4-Lamp 28W Turret Strip LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	12	86	46	46	0	1,040	1,040	-	-	125	-	125	0.1								
Shelter Rock ES	889	38	1	Receiving Restroom	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	1,560	312	468	780	37	27	64	0.0								
Shelter Rock ES	890	39	1	Receiving Storage	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0								
Shelter Rock ES	891	40	1	Hall By Boiler	4' 1-Lamp 28W Display Case Strip LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	6	23	12	12	0	3,900	3,900	-	-	45	-	45	0.0								
Shelter Rock ES	892	40	1	Hall By Boiler	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	8	8	10	45	21	13	4	3,900	1,170	1,560	1,170	749	485	1,234	0.3								
Shelter Rock ES	893	41	1	Kitchen	4' 2-Lamp 28W Fume Hood Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	8	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0								
Shelter Rock ES	894	41	1	Kitchen	2x4 3-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	10	10	10	66	27	14	5	2,340	1,404	702	234	913	404	1,317	0.5								
Shelter Rock ES	895	41	1	Kitchen	2x4 3-Lamp 28W Recessed Troffer Prismatic BBU LBF	2x4 Troffer Kit w/ Adaptable Controls w/Battery Backup	2	2	10	66	27	14	5	2,340	1,404	702	234	183	81	263	0.1								
Shelter Rock ES	896	42	1	Kitchen Storage	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	1,040	208	312	520	25	18	43	0.0								
Shelter Rock ES	897	43	1	Cafeteria	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	28	28	12	35	35	35	0	2,340	2,340	-	-	-	-	-	-								
Shelter Rock ES	898	44	1	Boys Restroom By Cafeteria	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	13	4	2,340	468	702	1,170	112	81	193	0.1								
Shelter Rock ES	899	45	1	Girls Restroom By Cafeteria	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	3	3	10	45	21	13	4	2,340	468	702	1,170	168	121	289	0.1								
Shelter Rock ES	900	46	1	Music Room 35 Entry	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	2	2	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-								
Shelter Rock ES	901	47	1	Music Room 34 & 35	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	18	18	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-								
Shelter Rock ES	902	48	1	Music Room Practice Room	10W LED 4-in Round Recessed Downlight	No Retrofit	5	5	7	10	10	10	0	1,872	1,872	-	-	-	-	-	-								
Shelter Rock ES	903	49	1	Music Room Storage	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	2	2	10	25	25	25	0	832	832	-	-	-	-	-	-								
Shelter Rock ES	904	50	1	Hall 34 - Exit T	1x4 37W LED Recessed Flat Panel	No Retrofit	13	13	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-								
Shelter Rock ES	905	51	1	Exit T	1x4 37W LED Recessed Flat Panel	No Retrofit	2	2	10	37	37	37	0	3,120	3,120	-	-	-	-	-	-								
Shelter Rock ES	906	52	1	Classroom 33	1x2 2-Lamp 17W Recessed Troffer Prismatic NBF	Disconnect and remove	2	2	10	31	0	0	0	1,872	1,872	-	-	116	-	116	0.1								
Shelter Rock ES	907	52	1	Classroom 33	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	18	18	10	45	21	17	4	1,872	1,404	281	187	809	262	1,071	0.5								
Shelter Rock ES	908	53	1	33 Storage	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	1,040	208	312	520	25	18	43	0.0								
Shelter Rock ES	909	54	1	File/Copy Room Across 33	2x2 2-ULamp 40W T12 Recessed Troffer Parabolic	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	96	22	11	4	2,340	936	936	468	346	74	420	0.2								
Shelter Rock ES	910	55	1	Special Ed Open Office	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	9	9	10	55	22	11	4	1,872	1,404	281	187	556	221	777	0.4								
Shelter Rock ES	911	56	1	Special Ed Private Office	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	55	22	11	4	2,340	936	702	702	232	114	346	0.1								

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Shelter Rock ES	912	57	1	Special Ed Office Restroom	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	13	4	1,560	312	468	780	51	28	80	0.0									
Shelter Rock ES	913	58	1	Custodial By Special Ed Office	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Shelter Rock ES	914	59	1	Conference Room	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	6	6	10	45	21	11	4	1,820	728	546	546	262	170	432	0.2									
Shelter Rock ES	915	60	1	Conference Storage	4' 2-Lamp 40W T12 Turret Strip	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	94	23	23	0	1,040	1,040	-	-	74	-	74	0.1									
Shelter Rock ES	916	61	1	Girls Restroom	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	13	4	2,340	468	702	1,170	112	81	193	0.1									
Shelter Rock ES	917	62	1	Boys Restroom	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	13	4	2,340	468	702	1,170	112	81	193	0.1									
Shelter Rock ES	918	63	1	All Gender Restroom	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	2,340	468	702	1,170	56	40	96	0.0									
Shelter Rock ES	919	64	1	All Gender Restroom (02)	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	2,340	468	702	1,170	56	40	96	0.0									
Shelter Rock ES	920	65	1	Faculty Room	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	9	9	10	45	21	11	4	2,340	936	702	702	505	327	833	0.3									
Shelter Rock ES	921	66	1	Tech Lab	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	12	12	10	45	23	23	0	2,340	1,638	-	-	618	194	812	0.3									
Shelter Rock ES	922	67	1	Storage Outside Computer Lab	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Shelter Rock ES	923	68	1	All Gender Restroom By Computer	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	1,560	312	468	780	37	27	64	0.0									
Shelter Rock ES	924	69	1	Computer Lab	2x4 3-Lamp 28W Recessed Troffer Parabolic LBF	2x4 Troffer Kit w/ Adaptable Controls	29	29	10	66	27	22	5	1,872	1,404	281	187	2,117	542	2,660	1.3									
Shelter Rock ES	925	69	1	Computer Lab	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	18	4	1,872	1,404	281	187	62	15	77	0.0									
Shelter Rock ES	926	70	1	Computer Storage	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Shelter Rock ES	927	71	1	Computer Storage (02)	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Shelter Rock ES	928	72	1	Main Office	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	19	19	10	45	21	11	4	2,340	1,404	702	234	1,067	598	1,665	0.7									
Shelter Rock ES	929	73	1	Main Office Vault	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0									
Shelter Rock ES	930	74	1	Main Office Copy Room	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	11	4	2,340	936	936	468	112	71	183	0.1									
Shelter Rock ES	931	75	1	Assistant Principal Office	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	3	3	10	45	21	11	4	2,340	936	702	702	168	109	278	0.1									
Shelter Rock ES	932	76	1	Main Office Copy Room (02)	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	6	6	10	45	21	11	4	2,340	936	936	468	337	212	549	0.2									
Shelter Rock ES	933	77	1	Principal Office	1x4 37W LED Recessed Flat Panel	No Retrofit	3	3	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-									
Shelter Rock ES	934	78	1	Principal Restroom	1x4 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	1,560	1,560	-	-	-	-	-	-									
Shelter Rock ES	935	79	1	Open Office 01B	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	6	6	10	45	21	11	4	2,340	1,404	702	234	337	189	526	0.2									
Shelter Rock ES	936	80	1	Office 01B	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	6	6	10	45	21	11	4	2,340	936	702	702	337	218	555	0.2									
Shelter Rock ES	937	81	1	Nurse Office	2x2 37W LED Recessed Flat Panel	No Retrofit	7	7	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-									
Shelter Rock ES	938	82	1	Nurse Private Office	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-									
Shelter Rock ES	939	83	1	Nurse Restroom	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	1,560	1,560	-	-	-	-	-	-									
Shelter Rock ES	940	84	1	Science Room	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	13	13	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-									
Shelter Rock ES	941	85	1	Science Storage	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	2	2	10	35	35	35	0	832	832	-	-	-	-	-	-									
Shelter Rock ES	942	86	1	Science Storage (02)	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	3	3	10	35	35	35	0	1,040	1,040	-	-	-	-	-	-									

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Shelter Rock ES	943	87	1	Science Storage (03)	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	4	4	10	45	21	13	4	1,040	208	312	520	100	72	171	0.1
Shelter Rock ES	944	88	1	Laminate Room	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Shelter Rock ES	945	89	1	Hall 33 - Nurse	4' 2-Lamp 28W Display Case Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	6	6	10	45	23	23	0	3,900	3,900	-	-	515	-	515	0.1
Shelter Rock ES	946	89	1	Hall 33 - Nurse	1x4 37W LED Recessed Flat Panel	No Retrofit	13	13	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-
Shelter Rock ES	947	89	1	Hall 33 - Nurse	4' 1-Lamp 28W Wall Wash Display Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	3,900	3,900	-	-	90	-	90	0.0
Shelter Rock ES	948	90	1	Hall Exit F - 23	10W LED Round Recessed Downlight	No Retrofit	6	6	10	10	10	10	0	3,900	3,900	-	-	-	-	-	-
Shelter Rock ES	949	90	1	Hall Exit F - 23	1x4 37W LED Recessed Flat Panel	No Retrofit	7	7	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-
Shelter Rock ES	950	91	1	Hall Exit G - 23	10W LED Round Recessed Downlight	No Retrofit	6	6	10	10	10	10	0	3,900	3,900	-	-	-	-	-	-
Shelter Rock ES	951	91	1	Hall Exit G - 23	1x4 37W LED Recessed Flat Panel	No Retrofit	7	7	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-
Shelter Rock ES	952	92	1	Classroom 38	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	6	6	10	45	21	17	4	2,340	1,404	702	234	337	136	473	0.2
Shelter Rock ES	953	93	1	Custodial By Playroom	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0
Shelter Rock ES	954	94	1	Girls Restroom By Playroom	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	2,340	468	702	1,170	56	40	96	0.0
Shelter Rock ES	955	95	1	Playroom	2x2 37W LED Recessed Flat Panel	No Retrofit	24	24	14	37	37	37	0	2,730	2,730	-	-	-	-	-	-
Shelter Rock ES	956	96	1	Playroom Storage	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	1,040	1,040	-	-	-	-	-	-
Shelter Rock ES	957	97	1	Playroom Storage (02)	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	1,040	1,040	-	-	-	-	-	-
Shelter Rock ES	958	98	1	Playroom Front Storage	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	959	99	1	Playroom Front Storage (02)	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	960	100	1	Playroom Front Storage (03)	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	961	101	1	Open Office 01A	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	45	23	23	0	2,340	2,340	-	-	154	-	154	0.1
Shelter Rock ES	962	102	1	Open Office 01A (02)	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	45	23	23	0	2,340	2,340	-	-	154	-	154	0.1
Shelter Rock ES	963	103	1	01A Storage	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Shelter Rock ES	964	104	1	01A Storage (02)	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Shelter Rock ES	965	105	1	01A Storage (03)	2x4 4-Lamp 28W Recessed Troffer Prismatic LBF	Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	86	46	46	0	1,040	1,040	-	-	42	-	42	0.0
Shelter Rock ES	966	106	1	Boys Restroom By 01A	2x4 4-Lamp 28W Recessed Troffer Prismatic NoDoor LBF	2x4 Troffer Fixture w/ Adaptable Controls	1	1	10	86	27	16	5	1,560	312	468	780	92	35	127	0.1
Shelter Rock ES	967	107	1	Hall I - Nurse	1x4 37W LED Recessed Flat Panel	No Retrofit	11	11	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-
Shelter Rock ES	968	107	1	Hall I - Nurse	4' 1-Lamp 28W Wall Wash Display Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	5	5	10	23	12	12	0	3,120	3,120	-	-	179	-	179	0.1
Shelter Rock ES	969	108	1	Classroom K1	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	2	2	10	23	23	23	0	1,872	1,872	-	-	-	-	-	-

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Shelter Rock ES	970	108	1	Classroom K1	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	14	14	10	45	45	45	0	1,872	1,872	-	-	-	-	-	-
Shelter Rock ES	971	109	1	1 Storage	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Shelter Rock ES	972	110	1	1 Restroom	10W LED Round Recessed Downlight	No Retrofit	1	1	10	10	10	10	0	2,340	2,340	-	-	-	-	-	-
Shelter Rock ES	973	111	1	Classroom K2	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	2	2	10	23	23	23	0	1,872	1,872	-	-	-	-	-	-
Shelter Rock ES	974	111	1	Classroom K2	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	14	14	10	45	45	45	0	1,872	1,872	-	-	-	-	-	-
Shelter Rock ES	975	112	1	2 Storage	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Shelter Rock ES	976	113	1	2 Restroom	10W LED Round Recessed Downlight	No Retrofit	1	1	10	10	10	10	0	2,340	2,340	-	-	-	-	-	-
Shelter Rock ES	977	114	1	Classroom K4	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	2	2	10	23	23	23	0	1,872	1,872	-	-	-	-	-	-
Shelter Rock ES	978	114	1	Classroom K4	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	14	14	10	45	45	45	0	1,872	1,872	-	-	-	-	-	-
Shelter Rock ES	979	115	1	4 Storage	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Shelter Rock ES	980	116	1	4 Restroom	100W Inc. Round Recessed Downlight	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	2,340	2,340	-	-	199	-	199	0.1
Shelter Rock ES	981	117	1	Classroom 3 Entry	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	45	23	23	0	2,340	1,638	-	702	103	32	135	0.0
Shelter Rock ES	982	118	1	3 Restroom	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	2,340	468	702	1,170	56	40	96	0.0
Shelter Rock ES	983	119	1	3 Office	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	11	4	2,340	936	702	702	56	36	93	0.0
Shelter Rock ES	984	119	1	3 Office	1x4 2-Lamp 28W Recessed Troffer Prismatic No Door LBF	1x4 Troffer Fixture w/ Adaptable Controls	1	1	10	45	21	11	4	2,340	936	702	702	56	36	93	0.0
Shelter Rock ES	985	120	1	3 Office (02)	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0
Shelter Rock ES	986	121	1	Classroom 3	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	1	1	10	23	23	23	0	2,340	2,340	-	-	-	-	-	-
Shelter Rock ES	987	121	1	Classroom 3	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	5	5	10	45	45	45	0	2,340	2,340	-	-	-	-	-	-
Shelter Rock ES	988	122	1	Classroom 3 (02)	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	1	1	10	23	23	23	0	2,340	2,340	-	-	-	-	-	-
Shelter Rock ES	989	122	1	Classroom 3 (02)	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	4	4	10	45	45	45	0	1,872	1,872	-	-	-	-	-	-
Shelter Rock ES	990	123	1	Classroom K5	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	2	2	10	23	23	23	0	1,872	1,872	-	-	-	-	-	-
Shelter Rock ES	991	123	1	Classroom K5	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	No Retrofit	14	14	10	45	45	45	0	1,872	1,872	-	-	-	-	-	-
Shelter Rock ES	992	124	1	5 Storage	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Shelter Rock ES	993	125	1	5 Restroom	100W Inc. Round Recessed Downlight	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	1,872	1,872	-	-	159	-	159	0.1
Shelter Rock ES	994	126	1	Classroom K7	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,872	1,872	-	-	43	-	43	0.0
Shelter Rock ES	995	126	1	Classroom K7	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	14	14	10	45	23	23	0	1,872	1,872	-	-	577	-	577	0.3
Shelter Rock ES	996	127	1	7 Storage	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Shelter Rock ES	997	128	1	7 Restroom	100W Inc. Round Recessed Downlight	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	1,872	1,872	-	-	159	-	159	0.1

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Shelter Rock ES	998	129	1	Classroom K6	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,872	1,872	-	-	43	-	43	0.0									
Shelter Rock ES	999	129	1	Classroom K6	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	14	14	10	45	23	23	0	1,872	1,872	-	-	577	-	577	0.3									
Shelter Rock ES	1000	130	1	6 Storage	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Shelter Rock ES	1001	131	1	6 Restroom	100W Inc. Round Recessed Downlight	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	2,340	2,340	-	-	199	-	199	0.1									
Shelter Rock ES	1002	132	1	8 Restroom	10W LED Round Recessed Downlight	No Retrofit	1	1	10	10	10	10	0	2,340	2,340	-	-	-	-	-	-									
Shelter Rock ES	1003	133	1	Classroom K8	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,872	1,872	-	-	43	-	43	0.0									
Shelter Rock ES	1004	133	1	Classroom K8	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	14	14	10	45	23	23	0	1,872	1,872	-	-	577	-	577	0.3									
Shelter Rock ES	1005	134	1	8 Storage	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Shelter Rock ES	1006	135	1	Hall K8 - K1	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	13	13	10	45	21	13	4	3,900	1,170	1,560	1,170	1,217	788	2,005	0.4									
Shelter Rock ES	1007	135	1	Hall K8 - K1	4' 1-Lamp 28W Wall Wash Display Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	3,120	3,120	-	-	144	-	144	0.0									
Shelter Rock ES	1008	136	1	Classroom 9	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	16	16	10	45	23	23	0	1,872	1,872	-	-	659	-	659	0.4									
Shelter Rock ES	1009	137	1	Classroom 10	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	16	16	10	45	23	23	0	1,872	1,872	-	-	659	-	659	0.4									
Shelter Rock ES	1010	138	1	Classroom 11	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	15	15	10	45	23	23	0	1,872	1,872	-	-	618	-	618	0.3									
Shelter Rock ES	1011	139	1	Exit Vestibule J	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	3,900	1,170	1,560	1,170	94	61	154	0.0									
Shelter Rock ES	1012	140	1	Hall J - K	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	11	11	10	45	21	13	4	3,900	1,170	1,560	1,170	1,030	667	1,696	0.4									
Shelter Rock ES	1013	140	1	Hall J - K	4' 1-Lamp 28W Wall Wash Display Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	3,900	3,900	-	-	135	-	135	0.0									
Shelter Rock ES	1014	141	1	Exit Vestibule K	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	1	1	10	45	21	13	4	3,120	1,092	1,248	780	75	47	121	0.0									
Shelter Rock ES	1015	142	1	Classroom 14	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,872	1,872	-	-	43	-	43	0.0									
Shelter Rock ES	1016	142	1	Classroom 14	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	1,872	1,872	-	-	453	-	453	0.2									
Shelter Rock ES	1017	143	1	Storage 14	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0									
Shelter Rock ES	1018	144	1	Office 14	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,872	1,872	-	-	75	-	75	0.0									
Shelter Rock ES	1019	145	1	Classroom 13	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	1,872	1,872	-	-	65	-	65	0.0									
Shelter Rock ES	1020	145	1	Classroom 13	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	13	13	10	45	23	23	0	1,872	1,872	-	-	535	-	535	0.3									

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Shelter Rock ES	1021	146	1	Storage 13	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	832	832	-	-	10	-	10	0.0
Shelter Rock ES	1022	147	1	Office 13	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,872	1,872	-	-	75	-	75	0.0
Shelter Rock ES	1023	148	1	Storage 13 (02)	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	1024	149	1	Classroom 12	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,872	1,872	-	-	43	-	43	0.0
Shelter Rock ES	1025	149	1	Classroom 12	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	1,872	1,872	-	-	453	-	453	0.2
Shelter Rock ES	1026	150	1	Office 12	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,872	1,872	-	-	75	-	75	0.0
Shelter Rock ES	1027	151	1	Storage 12	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0
Shelter Rock ES	1028	152	1	Classroom 15	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,872	1,872	-	-	43	-	43	0.0
Shelter Rock ES	1029	152	1	Classroom 15	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	1,872	1,872	-	-	453	-	453	0.2
Shelter Rock ES	1030	153	1	Storage 15	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0
Shelter Rock ES	1031	154	1	Office 15	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,872	1,872	-	-	75	-	75	0.0
Shelter Rock ES	1032	155	1	Classroom 16	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,872	1,872	-	-	22	-	22	0.0
Shelter Rock ES	1033	155	1	Classroom 16	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	11	11	10	45	23	23	0	1,872	1,872	-	-	453	-	453	0.2
Shelter Rock ES	1034	156	1	Storage 16	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Shelter Rock ES	1035	157	1	Open Hall 16 - 12	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	10	10	10	45	21	13	4	3,900	1,170	1,560	1,170	936	606	1,542	0.3
Shelter Rock ES	1036	158	1	Storage 2	4' 2-Lamp 28W Turret Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	1037	159	1	Boys Restroom By Stair 3	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,340	2,340	-	-	108	-	108	0.0
Shelter Rock ES	1038	160	1	Custodial Storage By Stair 3	4' 2-Lamp 28W Turret Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	1039	161	1	Storage By Stair 3	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0
Shelter Rock ES	1040	162	1	Girls Restroom By Stair 3	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,340	2,340	-	-	108	-	108	0.0
Shelter Rock ES	1041	163	1	All Gender Restroom By Stair 3	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	1,560	1,560	-	-	36	-	36	0.0
Shelter Rock ES	1042	164	1	Hall Outside Stair 3	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	10	10	10	45	21	13	4	3,900	1,170	1,560	1,170	936	606	1,542	0.3

E=Existing P=Proposed

																7098	7098					396,785	118,030	514,815	159.1				
																Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved								
Shelter Rock ES	1043	164	1	Hall Outside Stair 3	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	3,900	3,900	-	-	90	-	90	0.0								
Shelter Rock ES	1044	165	1	Classroom 19	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	6	6	10	45	23	23	0	2,340	1,638	-	-	309	97	406	0.1								
Shelter Rock ES	1045	166	1	Classroom 18	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	11	11	10	45	23	23	0	2,340	1,638	-	-	566	178	744	0.2								
Shelter Rock ES	1046	167	1	18 Storage	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0								
Shelter Rock ES	1047	168	1	Classroom 21	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0								
Shelter Rock ES	1048	168	1	Classroom 21	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	2,340	1,638	-	702	412	129	541	0.2								
Shelter Rock ES	1049	169	1	21 Restroom	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	35	35	35	0	1,248	1,248	-	-	-	-	-	-								
Shelter Rock ES	1050	170	1	Art Storage	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0								
Shelter Rock ES	1051	170	1	Art Storage	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	1,040	1,040	-	-	83	-	83	0.1								
Shelter Rock ES	1052	171	1	Classroom 20	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	1,638	-	702	54	16	70	0.0								
Shelter Rock ES	1053	171	1	Classroom 20	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	2,340	1,638	-	702	463	145	609	0.2								
Shelter Rock ES	1054	172	1	20 Storage	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0								
Shelter Rock ES	1055	173	1	Library	23W CFL SI Recessed Can	15.5W PAR38 120V Dimmable	3	3	10	25	16	16	0	2,340	2,340	-	-	67	-	67	0.0								
Shelter Rock ES	1056	173	1	Library	75W Halogen PAR38 Pendant Downlight	15.5W PAR38 120V Dimmable	2	2	15	75	16	16	0	2,340	2,340	-	-	278	-	278	0.1								
Shelter Rock ES	1057	173	1	Library	10W LED Round Recessed Downlight	No Retrofit	4	4	10	10	10	10	0	2,340	2,340	-	-	-	-	-	-								
Shelter Rock ES	1058	173	1	Library	1x4 2-Lamp 28W Surface Box Louvered LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	54	54	10	45	23	23	0	2,340	2,340	-	-	2,780	-	2,780	1.2								
Shelter Rock ES	1059	173	1	Library	2' 2-Lamp 17W Wall Wash Fixture LBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	15	29	18	18	0	2,340	2,340	-	-	26	-	26	0.0								
Shelter Rock ES	1060	173	1	Library	3' 2-Lamp 28W Wall Wash Fixture NBF	Relamp, rebalast to TWO 3' LED tubes, new LBF, electronic ballast	16	16	10	46	20	20	0	2,340	2,340	-	-	973	-	973	0.4								
Shelter Rock ES	1061	173	1	Library	4' 1-Lamp 28W Wall Wash Indirect Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	16	16	10	23	12	12	0	2,340	2,340	-	-	431	-	431	0.2								
Shelter Rock ES	1062	173	1	Library	4' 2-Lamp 28W Wall Wash Fixture LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	20	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0								
Shelter Rock ES	1063	173	1	Library	4' 2-Lamp 28W Wall Wash Fixture LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	7	7	15	45	23	23	0	2,340	2,340	-	-	360	-	360	0.2								
Shelter Rock ES	1064	173	1	Library	8' 4-Lamp 28W Wall Wash Fixture LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	3	3	10	86	46	46	0	2,340	2,340	-	-	281	-	281	0.1								
Shelter Rock ES	1065	174	1	Library Office	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	5	5	10	45	23	23	0	2,340	2,340	-	-	257	-	257	0.1								

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	7098			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Shelter Rock ES	1066	175	1	Library Office Storage	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	1067	176	1	Library Storage	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	1,040	1,040	-	-	46	-	46	0.0
Shelter Rock ES	1068	177	1	Classroom 17	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	45	23	23	0	1,872	1,872	-	-	165	-	165	0.1
Shelter Rock ES	1069	178	1	17 Storage	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0
Shelter Rock ES	1070	179	1	Hall Outside Library	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	12	12	10	45	21	13	4	3,900	1,170	1,560	1,170	1,123	727	1,850	0.4
Shelter Rock ES	1071	179	1	Hall Outside Library	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	3,900	3,900	-	-	179	-	179	0.0
Shelter Rock ES	1072	180	1	Storage 3	4' 2-Lamp 28W Turret Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	1073	181	1	Boys Restroom By Stair 2	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,340	2,340	-	-	108	-	108	0.0
Shelter Rock ES	1074	182	1	Custodial Storage By Stair 2	4' 2-Lamp 28W Turret Strip LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	1075	183	1	Girls Restroom By Stair 2	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	2,340	2,340	-	-	108	-	108	0.0
Shelter Rock ES	1076	184	1	All Gender Restroom By Stair 2	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,560	1,560	-	-	18	-	18	0.0
Shelter Rock ES	1077	185	1	All Gender Restroom By Stairs (02)	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,560	1,560	-	-	18	-	18	0.0
Shelter Rock ES	1078	186	1	Elevator Machine Room	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	1079	187	1	Elevator Lobby	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	8	8	10	31	22	13	4	3,900	1,170	1,560	1,170	281	508	789	0.1
Shelter Rock ES	1080	188	1	Breezeway By Exit B	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	13	4	3,120	1,092	1,248	780	337	585	922	0.2
Shelter Rock ES	1081	189	1	Girls Restroom In Breezeway	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	1,872	374	562	936	51	101	152	0.1
Shelter Rock ES	1082	190	1	Breezeway Custodial	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	Relamp, rebalast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	31	18	18	0	1,040	1,040	-	-	14	-	14	0.0
Shelter Rock ES	1083	191	1	Boys Restroom In Breezeway	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	1,872	374	562	936	51	101	152	0.1
Shelter Rock ES	1084	192	1	Breezeway Custodial (02)	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	832	832	-	-	18	-	18	0.0
Shelter Rock ES	1085	193	1	Classroom 31	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	16	16	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-
Shelter Rock ES	1086	194	1	Storage Outside 30	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	31	22	13	4	832	166	250	416	15	30	45	0.0
Shelter Rock ES	1087	195	1	Classroom 30	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	18	18	10	31	22	18	4	1,872	1,404	281	187	303	274	578	0.2
Shelter Rock ES	1088	196	1	All Gender Restroom Outside 30	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	31	22	13	4	1,560	312	468	780	14	28	42	0.0
Shelter Rock ES	1089	197	1	Classroom 29	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	16	16	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-
Shelter Rock ES	1090	198	1	Short Hall By Exit L	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	3,120	1,092	1,248	780	84	146	230	0.1
Shelter Rock ES	1091	199	1	Classroom 28	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	17	17	10	31	22	18	4	1,872	1,404	281	187	286	259	545	0.2
Shelter Rock ES	1092	200	1	Classroom 27	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	17	17	10	31	22	18	4	1,872	1,404	281	187	286	259	545	0.2
Shelter Rock ES	1093	201	1	Open Hall Outside 27 - 31	(2) 24W CFL PinBase Recessed Can	TWO 9W Omni Directional Plug in Ballast BYPass	5	5	10	52	18	18	0	3,900	3,900	-	-	663	-	663	0.2

E=Existing P=Proposed

Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	7098		Ht	7098				Estimated Hours for Energy Savings				396,785	118,030	514,815	159.1
							Fixture Qty	E		P	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved
Shelter Rock ES	1094	201	1	Open Hall Outside 27 - 31	8' 2-Lamp 28W Wall Wash Display Fixture LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	5	5	10	45	23	23	0	3,900	3,900	-	-	429	-	429	0.1
Shelter Rock ES	1095	202	1	Hall Outside Stair 2	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	10	10	10	45	21	13	4	3,900	1,170	1,560	1,170	936	606	1,542	0.3
Shelter Rock ES	1096	202	1	Hall Outside Stair 2	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	3,900	3,900	-	-	90	-	90	0.0
Shelter Rock ES	1097	203	1	Storage 1A	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	1098	204	1	Classroom 26	2x2 37W LED Recessed Flat Panel	No Retrofit	16	16	10	37	37	37	0	2,340	1,638	-	702	-	416	416	-
Shelter Rock ES	1099	205	1	Storage 26	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0
Shelter Rock ES	1100	206	1	Classroom 25	2x2 37W LED Recessed Flat Panel	No Retrofit	19	19	10	37	37	37	0	2,340	1,638	-	702	-	494	494	-
Shelter Rock ES	1101	207	1	Storage 25	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Shelter Rock ES	1102	208	1	Classroom 24	2x2 37W LED Recessed Flat Panel	No Retrofit	19	19	10	37	37	37	0	2,340	1,638	-	702	-	494	494	-
Shelter Rock ES	1103	209	1	Storage 24	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0
Shelter Rock ES	1104	210	1	Classroom 23	2x2 37W LED Recessed Flat Panel	No Retrofit	17	17	10	37	37	37	0	2,340	1,638	-	702	-	442	442	-
Shelter Rock ES	1105	211	1	Storage 23	2' 2-Lamp 17W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	10	29	18	18	0	1,040	1,040	-	-	11	-	11	0.0
Shelter Rock ES	1106	212	1	Classroom 22	2x2 37W LED Recessed Flat Panel	No Retrofit	18	18	10	37	37	37	0	2,340	1,638	-	702	-	468	468	-
Shelter Rock ES	1107	213	1	22 Storage	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0
Shelter Rock ES	1108	214	1	Connecting Breezeway	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	6	6	10	31	22	13	4	3,900	1,170	1,560	1,170	211	381	592	0.1
Shelter Rock ES	1109	215	1	Hall 37 - Main Entrance	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	12	12	10	45	21	13	4	3,900	1,170	1,560	1,170	1,123	727	1,850	0.4
Shelter Rock ES	1110	215	1	Hall 37 - Main Entrance	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	6	23	12	12	0	3,900	3,900	-	-	90	-	90	0.0
Shelter Rock ES	1111	216	1	Main Entrance Vestibule	1x4 2-Lamp 28W Recessed Troffer Prismatic LBF	1x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	21	13	4	3,900	1,170	1,560	1,170	187	121	308	0.1
Shelter Rock ES	1112	1	B	Basement Stair	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0
Shelter Rock ES	1113	2	B	Basement Open Storage	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	13	13	10	45	23	23	0	1,040	1,040	-	-	297	-	297	0.3
Shelter Rock ES	1114	3	B	Basement Storage	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	6	6	10	45	23	23	0	1,040	1,040	-	-	137	-	137	0.1
Shelter Rock ES	1115	3	B	Basement Storage	8' 4-Lamp 28W Turret Strip LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	5	5	10	86	46	46	0	1,040	1,040	-	-	208	-	208	0.2
Shelter Rock ES	1116	4	B	Basement Storage (02)	4' 2-Lamp 28W Turret Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	45	23	23	0	1,040	1,040	-	-	92	-	92	0.1
Shelter Rock ES	1117	1	E	Gym Exit	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-
Shelter Rock ES	1118	2	E	Flood Outside Gym	120W LED Slipfit Flood	No Retrofit	2	2	20	120	120	120	0	4,368	4,368	-	-	-	-	-	-
Shelter Rock ES	1119	3	E	Gym Exit (02)	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-
Shelter Rock ES	1120	4	E	Exit U	80W LED Wall Mount Area Light	No Retrofit	10	10	12	80	80	80	0	4,368	4,368	-	-	-	-	-	-
Shelter Rock ES	1121	5	E	Area Light By Garage Door	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-
Shelter Rock ES	1122	6	E	Exit A	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-
Shelter Rock ES	1123	7	E	Area Light Outside 27	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-
Shelter Rock ES	1124	8	E	Exit L	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-
Shelter Rock ES	1125	8	E	Exit L	100W Inc. Round Recessed Downlight EXT	15W A19 E26 850 120V for Exterior Fixture	1	1	10	100	15	15	0	4,368	4,368	-	-	371	-	371	0.1

E=Existing P=Proposed

7098	7098
Fixture Qty	Fixture Qty

396,785	118,030	514,815	159.1
SAVINGS			

Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS				
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	
Shelter Rock ES	1126	9	E	Area Light Outside 30	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1127	10	E	Area Light Outside 31	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1128	11	E	Exit B	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1129	12	E	Area Light By Exit Q	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1130	13	E	Exits C & D	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1131	14	E	Exit K	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1132	14	E	Exit K	100W HPS Square Surface Canopy	20W LED Square Canopy Fixture with Emergency Backup	1	1	10	128	18	18	0	4,368	4,368	-	-	480	-	480	0.1	-
Shelter Rock ES	1133	15	E	Area Light Outside 10	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1134	16	E	Area Light Outside 9	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1135	17	E	Exit J	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1136	18	E	Classroom 4 Exit	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1137	19	E	Exit I	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1138	20	E	Front Driveway Overhang	80W LED Wall Mount Area Light	No Retrofit	1	1	12	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1139	20	E	Front Driveway Overhang	100W Inc. Round Recessed Downlight	15W A19 E26 850 120V for Exterior Fixture	5	5	12	100	15	15	0	4,368	4,368	-	-	1,856	-	1,856	0.4	-
Shelter Rock ES	1140	21	E	Exit H	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1141	22	E	Area Light By Exit H	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1142	23	E	Front Driveway Overhang (02)	80W LED Wall Mount Area Light	No Retrofit	1	1	12	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1143	23	E	Front Driveway Overhang (02)	100W Inc. Round Recessed Downlight	15W A19 E26 850 120V for Exterior Fixture	3	3	12	100	15	15	0	4,368	4,368	-	-	1,114	-	1,114	0.3	-
Shelter Rock ES	1144	24	E	Entry Overhang	100W Inc. Round Recessed Downlight	20W LED Square Canopy Fixture	1	1	10	100	18	18	0	4,368	4,368	-	-	358	-	358	0.1	-
Shelter Rock ES	1145	24	E	Entry Overhang	100W Inc. Round Recessed Downlight	20W LED Square Canopy Fixture with Emergency Backup	1	1	10	100	18	18	0	4,368	4,368	-	-	358	-	358	0.1	-
Shelter Rock ES	1146	25	E	Front Driveway Overhang (03)	80W LED Wall Mount Area Light	No Retrofit	1	1	12	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1147	25	E	Front Driveway Overhang (03)	100W Inc. Round Recessed Downlight	15W A19 E26 850 120V for Exterior Fixture	5	5	12	100	15	15	0	4,368	4,368	-	-	1,856	-	1,856	0.4	-
Shelter Rock ES	1148	26	E	Entry Overhang (02)	100W Inc. Round Recessed Downlight	20W LED Square Canopy Fixture	1	1	10	100	18	18	0	4,368	4,368	-	-	358	-	358	0.1	-
Shelter Rock ES	1149	26	E	Entry Overhang (02)	100W Inc. Round Recessed Downlight	20W LED Square Canopy Fixture with Emergency Backup	1	1	10	100	18	18	0	4,368	4,368	-	-	358	-	358	0.1	-
Shelter Rock ES	1150	27	E	Front Driveway Overhang (04)	80W LED Wall Mount Area Light	No Retrofit	1	1	12	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1151	27	E	Front Driveway Overhang (04)	100W Inc. Round Recessed Downlight	15W A19 E26 850 120V for Exterior Fixture	3	3	12	100	15	15	0	4,368	4,368	-	-	1,114	-	1,114	0.3	-
Shelter Rock ES	1152	28	E	Exit E	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1153	29	E	Area Light Outside 34	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1154	30	E	Front Overhang Outside Cafeteria	80W LED Wall Mount Area Light	No Retrofit	1	1	12	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1155	30	E	Front Overhang Outside Cafeteria	100W Inc. Round Recessed Downlight	15W A19 E26 850 120V for Exterior Fixture	9	9	12	100	15	15	0	4,368	4,368	-	-	3,342	-	3,342	0.8	-
Shelter Rock ES	1156	31	E	Parking Lot Entry Area Light	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1157	32	E	Exit T	150W HPS Open Face Wallpack Mounted to Ceiling	20W LED Square Canopy Fixture with Emergency Backup	1	1	12	190	18	18	0	4,368	4,368	-	-	751	-	751	0.2	-
Shelter Rock ES	1158	33	E	Area Light By Exit T	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1159	34	E	Area Light By Exit S	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1160	34	E	Area Light By Exit S	120W LED Slipfit Flood	No Retrofit	2	2	15	120	120	120	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1161	35	E	Area Light By Exit S (02)	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1162	36	E	Area Light By Exit S (03)	80W LED Wall Mount Area Light	No Retrofit	1	1	10	80	80	80	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1163	36	E	Area Light By Exit S (03)	120W LED Slipfit Flood	No Retrofit	2	2	15	120	120	120	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1164	37	E	Parking Lot Flood	120W LED Slipfit Flood	No Retrofit	1	1	12	120	120	120	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1165	38	E	Parking Lot Pole	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1166	39	E	Parking Lot Pole (02)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1167	40	E	Driveway Pole	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1168	41	E	Driveway Pole (02)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1169	42	E	Driveway Pole (03)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1170	43	E	Driveway Pole (04)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-	-
Shelter Rock ES	1171	44	E	Driveway Pole (05)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-	-

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Shelter Rock ES	1172	45	E	Driveway Pole (06)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1173	46	E	Driveway Pole (07)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1174	47	E	Driveway Pole (08)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1175	48	E	Driveway Pole (09)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1176	49	E	Driveway Pole (10)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1177	50	E	Driveway Pole (11)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1178	51	E	Driveway Pole (12)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1179	52	E	Driveway Pole (13)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1180	53	E	Driveway Pole (14)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1181	54	E	Driveway Pole (15)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1182	55	E	Driveway Pole (16)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1183	56	E	Driveway Pole (17)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Shelter Rock ES	1184	57	E	Driveway Pole (18)	100W LED Post Top Area Light	No Retrofit	1	1	15	100	100	100	0	4,368	4,368	-	-	-	-	-	-									
Munsey Park ES	1185	1	2	Staircase F	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	6	6	10	31	22	13	4	3,900	780	3,120	-	211	371	581	0.1									
Munsey Park ES	1186	1	2	Staircase F	4' 1-Lamp 28W Wall Wash Direct/Indirect Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	6	6	10	23	12	12	0	3,120	3,120	-	-	215	-	215	0.1									
Munsey Park ES	1187	2	2	Classroom 201	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	1,872	1,404	281	187	202	183	385	0.2									
Munsey Park ES	1188	3	2	Classroom 202	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	1,872	1,404	281	187	202	183	385	0.2									
Munsey Park ES	1189	4	2	Classroom 205	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	1,872	1,404	281	187	202	183	385	0.2									
Munsey Park ES	1190	5	2	Classroom 206	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	1,872	1,404	281	187	202	183	385	0.2									
Munsey Park ES	1191	6	2	Classroom 203	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	1,872	1,404	281	187	202	183	385	0.2									
Munsey Park ES	1192	7	2	Classroom 204	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	1,872	1,404	281	187	202	183	385	0.2									
Munsey Park ES	1193	8	2	Staircase G	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	6	6	10	31	22	13	4	3,900	780	3,120	-	211	371	581	0.1									
Munsey Park ES	1194	8	2	Staircase G	4' 1-Lamp 28W Wall Wash Direct/Indirect Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	6	6	10	23	12	12	0	3,120	3,120	-	-	215	-	215	0.1									
Munsey Park ES	1195	9	2	Boys Restroom By 204	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	1,872	374	562	936	67	135	202	0.1									
Munsey Park ES	1196	10	2	All Gender Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	31	22	13	4	1,248	374	499	374	11	20	32	0.0									
Munsey Park ES	1197	11	2	Girls Restroom By 204	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	1,872	374	562	936	67	135	202	0.1									
Munsey Park ES	1198	12	2	Hall 201 - 204	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	11	11	10	31	22	13	4	3,900	1,170	1,560	1,170	386	698	1,085	0.2									
Munsey Park ES	1199	13	2	Custodial Storage By 204	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	Relamp, reballast to TWO 2' LED tubes, new NBF, electronic ballast	1	1	10	31	20	20	0	1,040	1,040	-	-	11	-	11	0.0									
Munsey Park ES	1200	14	2	Storage By 204	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	Relamp, reballast to TWO 2' LED tubes, new NBF, electronic ballast	1	1	10	31	20	20	0	1,040	1,040	-	-	11	-	11	0.0									
Munsey Park ES	1201	15	2	Connecting Breezeway By 204	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	15	15	10	31	22	13	4	3,900	1,170	1,560	1,170	527	952	1,479	0.3									
Munsey Park ES	1202	16	2	Classroom 209	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,340	1,638	-	702	-	312	312	-									
Munsey Park ES	1203	17	2	Classroom 210	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Munsey Park ES	1204	18	2	Classroom 211	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,340	1,638	-	702	187	65	252	0.1									
Munsey Park ES	1205	19	2	211 Storage	100W Inc. Round Surface Drum	11" LED Ceiling Mount Drum	1	1	8	100	16	16	0	1,040	1,040	-	-	87	-	87	0.1									
Munsey Park ES	1206	20	2	Classroom 212	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2									
Munsey Park ES	1207	21	2	Stair E	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	20	37	37	37	0	3,900	3,900	-	-	-	-	-	-									
Munsey Park ES	1208	21	2	Stair E	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-									
Munsey Park ES	1209	22	2	Book storage By Stair E	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Munsey Park ES	1210	23	2	Girls Restroom By 213	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	2,340	-	-	54	-	54	0.0									
Munsey Park ES	1211	24	2	Classroom 213	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	1,638	-	702	103	32	135	0.0									
Munsey Park ES	1212	24	2	Classroom 213	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2									
Munsey Park ES	1213	25	2	Classroom 214	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,340	1,638	-	702	187	65	252	0.1									
Munsey Park ES	1214	26	2	Classroom 215	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	1,638	-	702	103	32	135	0.0									
Munsey Park ES	1215	26	2	Classroom 215	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2									
Munsey Park ES	1216	27	2	Girls Restroom By 210	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	2,340	468	702	1,170	63	127	190	0.1									
Munsey Park ES	1217	28	2	Custodial By 210	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0									
Munsey Park ES	1218	29	2	OT/PT Room	2x4 3-Lamp 28W Recessed Troffer Parabolic LBF	2x4 Troffer Kit w/ Adaptable Controls	4	4	10	66	27	14	5	2,340	1,404	702	234	365	162	527	0.2									
Munsey Park ES	1219	30	2	Classroom 208	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,340	1,638	-	702	-	312	312	-									
Munsey Park ES	1220	31	2	Stair D	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	20	37	37	37	0	3,900	3,900	-	-	-	-	-	-									
Munsey Park ES	1221	31	2	Stair D	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-									
Munsey Park ES	1222	32	2	Hall 208 - 213	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	3,900	3,900	-	-	45	-	45	0.0									
Munsey Park ES	1223	32	2	Hall 208 - 213	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	8	8	10	45	23	23	0	3,900	3,900	-	-	686	-	686	0.2									
Munsey Park ES	1224	33	2	Computer Room	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	12	45	23	23	0	2,340	1,638	-	702	154	48	203	0.1									
Munsey Park ES	1225	33	2	Computer Room	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	12	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2									
Munsey Park ES	1226	34	2	Computer Room Office	2x2 37W LED Recessed Flat Panel	No Retrofit	3	3	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Munsey Park ES	1227	35	2	Classroom 216	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	10	10	12	86	46	46	0	2,340	1,638	-	702	936	323	1,259	0.4									
Munsey Park ES	1228	36	2	Classroom 217	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	2,340	1,638	-	702	51	16	68	0.0									
Munsey Park ES	1229	36	2	Classroom 217	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	12	86	46	46	0	2,340	1,638	-	702	842	291	1,133	0.4									
Munsey Park ES	1230	37	2	Storage By 217	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0									
Munsey Park ES	1231	38	2	Hall Outside 216 & 217	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	6	6	10	35	35	35	0	3,900	3,900	-	-	-	-	-	-									
Munsey Park ES	1232	38	2	Hall Outside 216 & 217	8' 2-Lamp 28W Wall Wash Display Fixture LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0									
Munsey Park ES	1233	39	2	Storage By 230	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Munsey Park ES	1234	40	2	Storage By 230 (02)	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Munsey Park ES	1235	41	2	Classroom 230	2x2 37W LED Recessed Flat Panel	No Retrofit	18	18	10	37	37	37	0	2,340	1,638	-	702	-	468	468	-									
Munsey Park ES	1236	42	2	230 Storage	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,040	1,040	-	-	42	-	42	0.0									
Munsey Park ES	1237	43	2	Storage Outside 230	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0									
Munsey Park ES	1238	44	2	Classroom 231	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	45	23	23	0	2,340	1,638	-	702	206	65	271	0.1									
Munsey Park ES	1239	44	2	Classroom 231	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	14	14	12	86	46	46	0	2,340	1,638	-	702	1,310	452	1,762	0.6									
Munsey Park ES	1240	45	2	232 Storage	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	1,040	1,040	-	-	83	-	83	0.1									
Munsey Park ES	1241	46	2	Hall Outside 230	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	3	3	10	35	35	35	0	3,900	3,900	-	-	-	-	-	-									
Munsey Park ES	1242	46	2	Hall Outside 230	8' 2-Lamp 28W Wall Wash Display Fixture LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0									
Munsey Park ES	1243	47	2	Classroom 232	2x2 37W LED Recessed Flat Panel	No Retrofit	9	9	10	37	37	37	0	2,340	1,638	-	702	-	234	234	-									
Munsey Park ES	1244	48	2	Classroom 233	2x2 37W LED Recessed Flat Panel	No Retrofit	8	8	10	37	37	37	0	2,340	1,638	-	702	-	208	208	-									
Munsey Park ES	1245	49	2	Stair C	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	15	37	37	37	0	3,900	3,900	-	-	-	-	-	-									
Munsey Park ES	1246	49	2	Stair C	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-									
Munsey Park ES	1247	50	2	Custodial Across 229	10W LED Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	10	15	15	0	1,040	1,040	-	-	(5)	-	(5)	(0.0)									
Munsey Park ES	1248	51	2	Classroom 229	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,340	1,638	-	702	-	312	312	-									
Munsey Park ES	1249	52	2	Boys Restroom By 229	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	2,340	468	702	1,170	63	127	190	0.1									
Munsey Park ES	1250	53	2	Classroom 218	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,340	1,638	-	702	-	312	312	-									

																		7098	7098					396,785	118,030	514,815	159.1				
																		Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kWh Saved										
Munsey Park ES	1251	54	2	Classroom 228	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,340	1,638	-	702	-	312	312	-										
Munsey Park ES	1252	55	2	Classroom 228A	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	4	4	10	86	46	46	0	2,340	1,638	-	702	374	129	504	0.2										
Munsey Park ES	1253	56	2	Classroom 219	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,340	1,638	-	702	187	65	252	0.1										
Munsey Park ES	1254	57	2	Girls Restroom By 220	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	2,340	468	702	1,170	63	127	190	0.1										
Munsey Park ES	1255	58	2	Classroom 220	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,340	1,638	-	702	-	312	312	-										
Munsey Park ES	1256	59	2	Storage To Attic	100W Inc. Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	7	7	12	100	15	15	0	1,040	1,040	-	-	619	-	619	0.6										
Munsey Park ES	1257	59	2	Storage To Attic	2x4 2-Lamp 28W Suspended Troffer Prismatic LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	12	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0										
Munsey Park ES	1258	60	2	Faculty Room 227	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0										
Munsey Park ES	1259	60	2	Faculty Room 227	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,340	2,340	-	-	187	-	187	0.1										
Munsey Park ES	1260	61	2	Faculty Restroom	2x2 37W LED Surface Flat Panel	No Retrofit	1	1	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-										
Munsey Park ES	1261	62	2	5th Grade Storage	10W LED Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	10	15	15	0	1,040	1,040	-	-	(5)	-	(5)	(0.0)										
Munsey Park ES	1262	63	2	Classroom 221	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,340	1,638	-	702	-	312	312	-										
Munsey Park ES	1263	64	2	Stair B	2x2 37W LED Recessed Flat Panel	No Retrofit	2	2	15	37	37	37	0	3,900	3,900	-	-	-	-	-	-										
Munsey Park ES	1264	65	2	Classroom 221 (02)	10W LED 4-in Round Recessed Downlight	No Retrofit	15	15	10	10	10	10	0	2,340	1,638	-	702	-	105	105	-										
Munsey Park ES	1265	65	2	Classroom 221 (02)	30W 4' LED Strip	No Retrofit	1	1	10	30	30	30	0	2,340	1,638	-	702	-	21	21	-										
Munsey Park ES	1266	65	2	Classroom 221 (02)	40W LED 8' Narrow Strip	No Retrofit	2	2	10	40	40	40	0	2,340	1,638	-	702	-	56	56	-										
Munsey Park ES	1267	65	2	Classroom 221 (02)	10W LED Tracklight	No Retrofit	18	18	10	10	10	10	0	2,340	1,638	-	702	-	126	126	-										
Munsey Park ES	1268	66	2	Art Room Storage	30W 4' LED Strip	No Retrofit	1	1	10	30	30	30	0	1,040	1,040	-	-	-	-	-	-										
Munsey Park ES	1269	67	2	Classroom 222	2x4 35W LED Volumetric Recessed Troffer Sensored	No Retrofit	9	9	10	35	35	35	0	2,340	1,638	-	702	-	221	221	-										
Munsey Park ES	1270	68	2	Classroom 223	2x4 35W LED Volumetric Recessed Troffer Sensored	No Retrofit	9	9	10	35	35	35	0	2,340	1,638	-	702	-	221	221	-										
Munsey Park ES	1271	69	2	Classroom 224	2x4 35W LED Volumetric Recessed Troffer Sensored	No Retrofit	8	8	10	35	35	35	0	2,340	1,638	-	702	-	197	197	-										
Munsey Park ES	1272	70	2	Classroom 225	2x4 35W LED Volumetric Recessed Troffer Sensored	No Retrofit	8	8	10	35	35	35	0	2,340	1,638	-	702	-	197	197	-										
Munsey Park ES	1273	71	2	Stair A	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-										
Munsey Park ES	1274	71	2	Stair A	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	3,900	3,900	-	-	45	-	45	0.0										
Munsey Park ES	1275	72	2	Hall Outside 225 - 232	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	17	17	10	35	35	35	0	3,900	3,900	-	-	-	-	-	-										
Munsey Park ES	1276	72	2	Hall Outside 225 - 232	8' 2-Lamp 28W Wall Wash Display Fixture LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0										
Munsey Park ES	1277	73	2	MAX Open Area	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	4	4	10	45	27	14	5	2,340	1,404	702	234	168	162	330	0.1										
Munsey Park ES	1278	74	2	MAX Open Area (02)	2x4 2-Lamp 28W Recessed Troffer Prismatic LBF	2x4 Troffer Kit w/ Adaptable Controls	2	2	10	45	27	14	5	2,340	1,404	702	234	84	81	165	0.1										
Munsey Park ES	1279	1	1	Classroom 101	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	1,872	1,404	281	187	202	183	385	0.2										
Munsey Park ES	1280	2	1	Classroom 102	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	1,872	1,404	281	187	202	183	385	0.2										
Munsey Park ES	1281	3	1	Classroom 105	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	1,872	1,404	281	187	202	183	385	0.2										

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Munsey Park ES	1282	4	1	Classroom 106	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	12	12	10	31	22	18	4	1,872	1,404	281	187	202	183	385	0.2									
Munsey Park ES	1283	5	1	Classroom 103	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	No Retrofit	12	12	10	31	31	31	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1284	6	1	Classroom 104	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	No Retrofit	12	12	10	31	31	31	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1285	7	1	Boys Restroom By 104	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	1,872	374	562	936	67	135	202	0.1									
Munsey Park ES	1286	8	1	All Gender Restroom By 104	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	31	22	13	4	1,248	374	499	374	11	20	32	0.0									
Munsey Park ES	1287	9	1	Girls Restroom By 104	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	13	4	1,872	374	562	936	67	135	202	0.1									
Munsey Park ES	1288	10	1	Hall 104 - 101	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	11	11	10	31	22	13	4	3,900	1,170	1,560	1,170	386	698	1,085	0.2									
Munsey Park ES	1289	11	1	Custodial Storage By Elevator	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	Relamp, reballast to TWO 2' LED tubes, new NBF, electronic ballast	1	1	10	31	20	20	0	1,040	1,040	-	-	11	-	11	0.0									
Munsey Park ES	1290	12	1	First Grade Book Room	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	Relamp, reballast to TWO 2' LED tubes, new NBF, electronic ballast	1	1	10	31	20	20	0	1,040	1,040	-	-	11	-	11	0.0									
Munsey Park ES	1291	13	1	Connecting Breezeway By 104	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	14	14	10	31	22	13	4	3,120	1,092	1,248	780	393	682	1,075	0.2									
Munsey Park ES	1292	14	1	Classroom 109	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2									
Munsey Park ES	1293	15	1	Classroom 110	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2									
Munsey Park ES	1294	16	1	Classroom 111	2x2 37W LED Recessed Flat Panel	No Retrofit	4	4	10	37	37	37	0	2,340	1,638	-	702	-	104	104	-									
Munsey Park ES	1295	17	1	Classroom 112	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2									
Munsey Park ES	1296	18	1	Girls Restroom By 113	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	2,340	2,340	-	-	54	-	54	0.0									
Munsey Park ES	1297	19	1	Classroom 113	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	1,638	-	702	103	32	135	0.0									
Munsey Park ES	1298	19	1	Classroom 113	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2									
Munsey Park ES	1299	20	1	114 Entry	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	1,638	-	702	94	32	126	0.0									
Munsey Park ES	1300	21	1	School Psych Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Munsey Park ES	1301	22	1	School Psych Office (02)	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0									
Munsey Park ES	1302	23	1	Office 115	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	3	3	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1303	24	1	Boys Restroom By 110	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1304	24	1	Boys Restroom By 110	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	2	2	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1305	25	1	Custodial By 110	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	25	25	25	0	1,040	1,040	-	-	-	-	-	-									
Munsey Park ES	1306	26	1	Classroom 108	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2									

E=Existing P=Proposed

																	7098	7098					396,785	118,030	514,815	159.1				
																	Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved									
Munsey Park ES	1307	27	1	Hall 108 - 113	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	9	9	10	45	23	23	0	3,900	3,900	-	-	772	-	772	0.2									
Munsey Park ES	1308	27	1	Hall 108 - 113	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	23	12	12	0	3,900	3,900	-	-	90	-	90	0.0									
Munsey Park ES	1309	27	1	Hall 108 - 113	8' 2-Lamp 28W Wall Wash Display Fixture LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0									
Munsey Park ES	1310	28	1	Entry To Library	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0									
Munsey Park ES	1311	28	1	Entry To Library	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	3,900	3,900	-	-	45	-	45	0.0									
Munsey Park ES	1312	28	1	Entry To Library	8' 2-Lamp 28W Wall Wash Display Fixture LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0									
Munsey Park ES	1313	29	1	Library	150W MH Decorative Pendant Downlight	34W E26 840 120V/277V, Enclosed, Dimmable	8	8	15	190	34	34	0	2,340	2,340	-	-	2,920	-	2,920	1.2									
Munsey Park ES	1314	29	1	Library	4x4 6-Lamp 28W Surface Box Parabolic	Relamp, reballast to SIX low wattage 4' LED tubes, new HBF, electronic ballast	8	8	10	194	105	105	0	2,340	2,340	-	-	1,666	-	1,666	0.7									
Munsey Park ES	1315	29	1	Library	4' 1-Lamp 28W Wall Wash Fixture LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	10	23	12	12	0	2,340	2,340	-	-	81	-	81	0.0									
Munsey Park ES	1316	30	1	Library Office	4x4 6-Lamp 28W Surface Box Parabolic	Relamp, reballast to SIX low wattage 4' LED tubes, new HBF, electronic ballast	4	4	10	194	105	105	0	2,340	2,340	-	-	833	-	833	0.4									
Munsey Park ES	1317	31	1	Library Office (02)	4x4 6-Lamp 28W Surface Box Parabolic	Relamp, reballast to SIX low wattage 4' LED tubes, new HBF, electronic ballast	4	4	10	194	105	105	0	2,340	2,340	-	-	833	-	833	0.4									
Munsey Park ES	1318	32	1	Kitchen	25W LED Square Recessed Fume Hood	No Retrofit	3	3	8	25	25	25	0	2,340	2,340	-	-	-	-	-	-									
Munsey Park ES	1319	32	1	Kitchen	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1320	32	1	Kitchen	40W LED Recessed Troffer Prismatic	No Retrofit	18	18	10	40	40	40	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1321	33	1	Kitchen Freezer Area	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	4	4	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1322	34	1	Kitchen Restroom	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1323	35	1	Kitchen Freezers	10W LED Jelly Jar Freezer	No Retrofit	2	2	8	10	10	10	0	1,040	1,040	-	-	-	-	-	-									
Munsey Park ES	1324	35	1	Kitchen Freezers	4' 2-Lamp 28W T5 Vaportight Strip	Direct wire TWO 4' T5 LED tubes	2	2	6	63	29	29	0	1,040	1,040	-	-	71	-	71	0.1									
Munsey Park ES	1325	36	1	Kitchen Dishwasher	40W LED Recessed Troffer Prismatic	No Retrofit	2	2	10	40	40	40	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1326	37	1	Kitchen Office	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-									
Munsey Park ES	1327	38	1	Cafeteria	2x2 37W LED Recessed Flat Panel	No Retrofit	49	49	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-									
Munsey Park ES	1328	39	1	Cafeteria Mechanical Room	30W 4' LED Strip	No Retrofit	2	2	10	30	30	30	0	1,040	1,040	-	-	-	-	-	-									
Munsey Park ES	1329	40	1	Cafeteria Storage	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	1,040	1,040	-	-	42	-	42	0.0									
Munsey Park ES	1330	41	1	Hall Outside Cafeteria	2x4 40W LED Recessed Flat Panel	No Retrofit	4	4	10	40	40	40	0	3,900	3,900	-	-	-	-	-	-									
Munsey Park ES	1331	41	1	Hall Outside Cafeteria	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	3,120	3,120	-	-	69	-	69	0.0									
Munsey Park ES	1332	42	1	Hall Area Under Stair C	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	3,120	3,120	-	-	-	-	-	-									

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Munsey Park ES	1333	42	1	Hall Area Under Stair C	2x4 40W LED Recessed Flat Panel	No Retrofit	3	3	12	40	40	40	0	3,120	3,120	-	-	-	-	-	-
Munsey Park ES	1334	42	1	Hall Area Under Stair C	8' 2-Lamp 28W Wall Wash Display Fixture LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0
Munsey Park ES	1335	43	1	Custodial By Guidance	100W Inc. Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	1,040	1,040	-	-	88	-	88	0.1
Munsey Park ES	1336	44	1	Boys Restroom By Guidance	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	2,340	468	702	1,170	63	127	190	0.1
Munsey Park ES	1337	45	1	Social Worker Office	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0
Munsey Park ES	1338	45	1	Social Worker Office	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,340	2,340	-	-	187	-	187	0.1
Munsey Park ES	1339	46	1	Classroom 129	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,340	1,638	-	702	-	312	312	-
Munsey Park ES	1340	47	1	Classroom 118	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2
Munsey Park ES	1341	48	1	Classroom 128	2x2 37W LED Recessed Flat Panel	No Retrofit	15	15	10	37	37	37	0	2,340	1,638	-	702	-	390	390	-
Munsey Park ES	1342	49	1	128 Storage	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	1,040	1,040	-	-	83	-	83	0.1
Munsey Park ES	1343	50	1	Classroom 119	2x2 37W LED Recessed Flat Panel	No Retrofit	6	6	10	37	37	37	0	2,340	1,638	-	702	-	156	156	-
Munsey Park ES	1344	51	1	Classroom 120	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	6	6	10	86	46	46	0	2,340	1,638	-	702	562	194	755	0.2
Munsey Park ES	1345	52	1	Girls Restroom Across 120	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	2,340	468	702	1,170	63	127	190	0.1
Munsey Park ES	1346	53	1	Short Side Hall	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	3,120	3,120	-	-	36	-	36	0.0
Munsey Park ES	1347	54	1	All Gender Restroom	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	25	25	25	0	1,248	1,248	-	-	-	-	-	-
Munsey Park ES	1348	55	1	Private Office	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-
Munsey Park ES	1349	56	1	All Gender Restroom (02)	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	1	1	10	25	25	25	0	1,248	1,248	-	-	-	-	-	-
Munsey Park ES	1350	57	1	All Gender Restroom Vestibule	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	2,340	2,340	-	-	27	-	27	0.0
Munsey Park ES	1351	58	1	Classroom 121	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,340	1,638	-	702	-	312	312	-
Munsey Park ES	1352	59	1	121 Work Room	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,340	2,340	-	-	187	-	187	0.1
Munsey Park ES	1353	60	1	Classroom 125	2x2 25W LED Volumetric Recessed Troffer Sensored	No Retrofit	2	2	10	25	25	25	0	2,340	1,638	-	702	-	35	35	-
Munsey Park ES	1354	60	1	Classroom 125	2x4 35W LED Volumetric Recessed Troffer Sensored	No Retrofit	9	9	10	35	35	35	0	2,340	1,638	-	702	-	221	221	-
Munsey Park ES	1355	61	1	Classroom 124	2x2 25W LED Volumetric Recessed Troffer Sensored	No Retrofit	5	5	10	25	25	25	0	2,340	1,638	-	702	-	88	88	-
Munsey Park ES	1356	62	1	Classroom 122	2x2 37W LED Recessed Flat Panel	No Retrofit	12	12	10	37	37	37	0	2,340	1,638	-	702	-	312	312	-
Munsey Park ES	1357	63	1	Hall Storage	100W Inc. Round Surface Drum	11" LED Ceiling Mount Drum	1	1	10	100	16	16	0	1,040	1,040	-	-	87	-	87	0.1
Munsey Park ES	1358	64	1	Main Office	2x2 25W LED Volumetric Double Basket Recessed Troffer	No Retrofit	10	10	10	25	25	25	0	2,340	2,340	-	-	-	-	-	-
Munsey Park ES	1359	65	1	Main Office All Gender Restroom	100W Inc. Square Recessed Downlight	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	2,340	2,340	-	-	199	-	199	0.1

E=Existing P=Proposed

Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	7098		Ht	Fixture Watts				Estimated Hours for Energy Savings				396,785	118,030	514,815	159.1		
							Fixture Qty			E	P	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	SAVINGS			
							E	P		E	P	E	P	E	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kWh Saved		
Munsey Park ES	1360	66	1	Assistant Principal Office	2x2 37W LED Recessed Flat Panel	No Retrofit	3	3	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-		
Munsey Park ES	1361	67	1	Principal Office	2x2 37W LED Recessed Flat Panel	No Retrofit	3	3	10	37	37	37	0	2,340	2,340	-	-	-	-	-	-		
Munsey Park ES	1362	68	1	Reception Area	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0		
Munsey Park ES	1363	69	1	Main Office All Gender Rest (02)	(2) Circline (40W & 32W) Lamp Large Surface Drum	11" LED Ceiling Mount Drum	1	1	10	80	16	16	0	2,340	2,340	-	-	150	-	150	0.1		
Munsey Park ES	1364	70	1	Main Entrance Lobby	2x4 40W LED Recessed Flat Panel	No Retrofit	1	1	10	40	40	40	0	3,120	3,120	-	-	-	-	-	-		
Munsey Park ES	1365	71	1	Hall 129 - Main Entrance	2x4 40W LED Recessed Flat Panel	No Retrofit	17	17	12	40	40	40	0	3,120	3,120	-	-	-	-	-	-		
Munsey Park ES	1366	71	1	Hall 129 - Main Entrance	8' 2-Lamp 28W Wall Wash Display Fixture LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0		
Munsey Park ES	1367	72	1	Nurse Office	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0		
Munsey Park ES	1368	72	1	Nurse Office	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,340	2,340	-	-	187	-	187	0.1		
Munsey Park ES	1369	73	1	Nurse Restroom	(2) Circline (40W & 32W) Lamp Large Surface Drum	11" LED Ceiling Mount Drum	1	1	10	80	16	16	0	1,560	1,560	-	-	100	-	100	0.1		
Munsey Park ES	1370	74	1	Nurse Patient Room	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0		
Munsey Park ES	1371	74	1	Nurse Patient Room	8' 4-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	86	46	46	0	2,340	2,340	-	-	94	-	94	0.0		
Munsey Park ES	1372	75	1	Nurse Patient Room (02)	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0		
Munsey Park ES	1373	76	1	Hall Area Under Stair A To Nurse	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	3,120	3,120	-	-	-	-	-	-		
Munsey Park ES	1374	76	1	Hall Area Under Stair A To Nurse	2x4 40W LED Recessed Flat Panel	No Retrofit	1	1	12	40	40	40	0	3,120	3,120	-	-	-	-	-	-		
Munsey Park ES	1375	77	1	All Purpose Room	250W MH Recessed Decorative Highbay	100W LED HID Ballast By-pass Screw-in	8	8	25	295	100	100	0	2,340	2,340	-	-	3,650	-	3,650	1.6		
Munsey Park ES	1376	78	1	All Purpose Storage	30W 4' LED Strip	No Retrofit	3	3	10	30	30	30	0	1,040	1,040	-	-	-	-	-	-		
Munsey Park ES	1377	79	1	All Purpose Lobby	(6) 23W CFL Screw-in Decorative Pendant Downlight	SIX 9W A19 E26 120V Dimmable, Enclosed	2	2	10	156	54	54	0	3,900	3,900	-	-	796	-	796	0.2		
Munsey Park ES	1378	80	1	All Purpose Office	8' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	2,340	2,340	-	-	51	-	51	0.0		
Munsey Park ES	1379	81	1	All Purpose MAX Storage	20W LED Square Surface Fixture	No Retrofit	2	2	7	20	20	20	0	832	832	-	-	-	-	-	-		
Munsey Park ES	1380	82	1	Hall Area Under Stair B Exit 4	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	3,120	3,120	-	-	-	-	-	-		
Munsey Park ES	1381	82	1	Hall Area Under Stair B Exit 4	2x4 40W LED Recessed Flat Panel	No Retrofit	1	1	12	40	40	40	0	3,120	3,120	-	-	-	-	-	-		
Munsey Park ES	1382	83	1	School Counselor Office	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, rebalast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0		
Munsey Park ES	1383	83	1	School Counselor Office	8' 4-Lamp 28W Wide Base Wrap Ceiling Mount LBF	8' Fixture - Relamp, rebalast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	2	2	10	86	46	46	0	2,340	2,340	-	-	187	-	187	0.1		
Munsey Park ES	1384	84	1	Music Classroom	2x2 37W LED Recessed Flat Panel	No Retrofit	20	20	10	37	37	37	0	2,340	1,638	-	702	-	519	519	-		
Munsey Park ES	1385	85	1	Vestibule Outside Music Class	2x4 40W LED Recessed Flat Panel	No Retrofit	4	4	10	40	40	40	0	3,900	3,900	-	-	-	-	-	-		

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
SAVINGS			

Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	7098			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Munsey Park ES	1386	85	1	Vestibule Outside Music Class	8' 2-Lamp 28W Wall Wash Display Fixture LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0
Munsey Park ES	1387	86	1	Exit 5 Vestibule	2x2 37W LED Recessed Flat Panel	No Retrofit	1	1	10	37	37	37	0	3,900	3,900	-	-	-	-	-	-
Munsey Park ES	1388	87	1	Classroom 135	2x2 37W LED Recessed Flat Panel	No Retrofit	8	8	10	37	37	37	0	2,340	1,638	-	702	-	208	208	-
Munsey Park ES	1389	88	1	Custodial By 135	23W CFL Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	25	15	15	0	1,040	1,040	-	-	10	-	10	0.0
Munsey Park ES	1390	89	1	Boys Locker	2x2 2-ULamp 32W Recessed Troffer Parabolic Hard Ceiling NBF	Relamp, reballast to TWO U-lamp LED tubes, new NBF, electronic ballast	2	2	10	55	35	35	0	2,340	2,340	-	-	94	-	94	0.0
Munsey Park ES	1391	89	1	Boys Locker	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	8	8	10	23	12	12	0	2,340	2,340	-	-	215	-	215	0.1
Munsey Park ES	1392	90	1	Boys Locker Restroom	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	13	4	1,560	312	468	780	51	28	80	0.0
Munsey Park ES	1393	91	1	Boys Locker Storage	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Munsey Park ES	1394	92	1	Boys Locker Office	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0
Munsey Park ES	1395	93	1	Boys Locker Office Restroom	(3) 100W Inc. Round Surface Drum	11" LED Ceiling Mount Drum	1	1	10	300	16	16	0	1,560	1,560	-	-	443	-	443	0.3
Munsey Park ES	1396	93	1	Boys Locker Office Restroom	23W CFL Screw-in Jelly Jar	9W A19 E26 120V Dimmable, Enclosed	1	1	10	25	9	9	0	1,560	1,560	-	-	25	-	25	0.0
Munsey Park ES	1397	94	1	Gym	4' 4-Lamp T5 54W Highbay Ceiling Mount	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	22	22	20	234	138	83	28	2,730	1,092	819	819	5,754	5,810	11,564	3.3
Munsey Park ES	1398	94	1	Gym	4' 4-Lamp T5 54W Highbay Ceiling Mount BBU	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms with EBU	2	2	20	234	138	83	28	2,730	1,092	819	819	523	528	1,051	0.3
Munsey Park ES	1399	95	1	Gym Storage	200W Incandescent China Hat Fixture	34W E26 840 120V/277V, Enclosed, Dimmable	3	3	10	200	34	34	0	1,040	1,040	-	-	518	-	518	0.5
Munsey Park ES	1400	95	1	Gym Storage	10W LED Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	10	15	15	0	1,040	1,040	-	-	(5)	-	(5)	(0.0)
Munsey Park ES	1401	96	1	Girls Locker	2x2 2-ULamp 32W Recessed Troffer Parabolic Hard Ceiling NBF	Relamp, reballast to TWO U-lamp LED tubes, new NBF, electronic ballast	1	1	10	55	35	35	0	2,340	2,340	-	-	47	-	47	0.0
Munsey Park ES	1402	96	1	Girls Locker	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	8	8	10	23	12	12	0	2,340	2,340	-	-	215	-	215	0.1
Munsey Park ES	1403	97	1	Girls Locker Storage	100W Inc. Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	100	15	15	0	1,040	1,040	-	-	88	-	88	0.1
Munsey Park ES	1404	98	1	Girls Locker Storage (02)	4' 1-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	1,040	1,040	-	-	12	-	12	0.0
Munsey Park ES	1405	99	1	Boys Locker Restroom (02)	2x2 2-ULamp 32W Recessed Troffer Parabolic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	13	4	1,560	312	468	780	51	28	80	0.0
Munsey Park ES	1406	100	1	Girls Locker Office	4' 2-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	45	23	23	0	2,340	2,340	-	-	103	-	103	0.0
Munsey Park ES	1407	101	1	Girls Locker Office Restroom	(3) 100W Inc. Round Surface Drum	11" LED Ceiling Mount Drum	1	1	10	300	16	16	0	1,560	1,560	-	-	443	-	443	0.3
Munsey Park ES	1408	101	1	Girls Locker Office Restroom	23W CFL Screw-in Jelly Jar	9W A19 E26 120V Dimmable, Enclosed	1	1	10	25	9	9	0	1,560	1,560	-	-	25	-	25	0.0
Munsey Park ES	1409	102	1	Hall To Gym	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	23	12	12	0	3,900	3,900	-	-	179	-	179	0.0
Munsey Park ES	1410	103	1	Auditorium Hallway	(8) 24W CFL PinBase Large Decorative Pendant Fixture - Verify	EIGHT 9W Omni Directional Plug in Ballast BYPass	1	1	14	208	72	72	0	3,900	3,900	-	-	530	-	530	0.1
Munsey Park ES	1411	103	1	Auditorium Hallway	(2) 24W CFL PinBase Recessed Can	TWO 9W Omni Directional Plug in Ballast BYPass	34	34	18	52	18	18	0	3,900	3,900	-	-	4,508	-	4,508	1.2
Munsey Park ES	1412	103	1	Auditorium Hallway	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	38	38	10	31	22	13	4	3,900	1,170	1,560	1,170	1,334	2,413	3,746	0.7
Munsey Park ES	1413	104	1	Auditorium	15W LED PAR38 Wall Sconce	No Retrofit	5	5	10	15	15	15	0	1,560	1,560	-	-	-	-	-	-

																	7098	7098					396,785	118,030	514,815	159.1					
																	Fixture Qty			Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved										
Munsey Park ES	1414	104	1	Auditorium	(2) 15W LED PAR38 Wall Sconce	No Retrofit	14	14	12	30	30	30	0	1,560	1,560	-	-	-	-	-	-										
Munsey Park ES	1415	104	1	Auditorium	75W Halogen PAR38 Pendant Downlight	15.5W PAR38 120V Dimmable in High Ceiling Application	10	10	25	75	16	16	0	1,560	1,560	-	-	928	-	928	0.6										
Munsey Park ES	1416	104	1	Auditorium	75W Halogen PAR38 Recessed Downlight	15.5W PAR38 120V Dimmable in High Ceiling Application	27	27	30	75	16	16	0	1,560	1,560	-	-	2,506	-	2,506	1.6										
Munsey Park ES	1417	104	1	Auditorium	100W Inc. Round Recessed Downlight	15.5W PAR38 120V Dimmable	5	5	10	100	16	16	0	1,560	1,560	-	-	659	-	659	0.4										
Munsey Park ES	1418	105	1	Stair To Balcony	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	55	22	13	4	3,900	780	3,120	-	257	124	381	0.1										
Munsey Park ES	1419	105	1	Stair To Balcony	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	15	55	22	13	4	3,900	780	3,120	-	129	62	190	0.0										
Munsey Park ES	1420	106	1	Balcony	(2) 24W CFL PinBase Recessed Can	TWO 9W Omni Directional Plug in Ballast Bypass	3	3	10	52	18	18	0	1,560	1,560	-	-	159	-	159	0.1										
Munsey Park ES	1421	106	1	Balcony	75W Halogen PAR38 Recessed Downlight	15.5W PAR38 120V Dimmable	8	8	10	75	16	16	0	1,560	1,560	-	-	743	-	743	0.5										
Munsey Park ES	1422	107	1	Stair To Roof	4' 2-Lamp 28W Industrial Strip Wall Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0										
Munsey Park ES	1423	108	1	Fan Room	4' 2-Lamp 28W Industrial Strip Wall Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	8	45	23	23	0	1,040	1,040	-	-	69	-	69	0.1										
Munsey Park ES	1424	109	1	Stage	250W MH Pendant Highbay	24,000 Lumen High Bay with Adaptable Controls	12	12	30	295	138	111	28	1,560	156	624	780	2,935	2,173	5,108	2.2										
Munsey Park ES	1425	110	1	Stage Storage	10W LED Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	10	15	15	0	1,040	1,040	-	-	(5)	-	(5)	(0.0)										
Munsey Park ES	1426	111	1	Stage Vestibule	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	55	22	18	4	1,560	156	624	780	103	58	161	0.1										
Munsey Park ES	1427	112	1	Stage Storage (02)	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	Relamp, reballast to TWO U-lamp LED tubes, new NBF, electronic ballast	2	2	10	55	35	35	0	1,040	1,040	-	-	42	-	42	0.0										
Munsey Park ES	1428	113	1	Stage Storage (03)	10W LED Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	10	15	15	0	1,040	1,040	-	-	(5)	-	(5)	(0.0)										
Munsey Park ES	1429	114	1	Stage Sprinkler	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	Relamp, reballast to TWO U-lamp LED tubes, new NBF, electronic ballast	2	2	10	55	35	35	0	1,040	1,040	-	-	42	-	42	0.0										
Munsey Park ES	1430	115	1	Stage Vestibule (02)	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	55	22	18	4	1,560	156	624	780	103	58	161	0.1										
Munsey Park ES	1431	116	1	Auditorium Hall By Exit 10	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	13	13	12	31	22	13	4	3,900	1,170	1,560	1,170	456	825	1,282	0.2										
Munsey Park ES	1432	117	1	Auditorium Lobby Storage	2x2 1-ULamp 32W Recessed Troffer Prismatic NBF	Relamp, reballast to ONE U-lamp LED tube, new NBF< electronic ballast	1	1	10	32	18	18	0	832	832	-	-	12	-	12	0.0										
Munsey Park ES	1433	118	1	Girls Restroom By Auditorium	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	5	5	10	31	22	13	4	1,872	374	562	936	84	169	253	0.1										
Munsey Park ES	1434	119	1	Boys Restroom By Auditorium	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	55	22	13	4	1,872	374	562	936	247	135	382	0.2										
Munsey Park ES	1435	120	1	Copy Room 134	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	4	4	10	31	22	11	4	2,340	936	936	468	84	148	233	0.1										
Munsey Park ES	1436	121	1	Classroom 133	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	6	6	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-										
Munsey Park ES	1437	121	1	Classroom 133	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	9	9	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-										
Munsey Park ES	1438	122	1	Classroom 132	2x2 25W LED Volumetric Recessed Troffer	No Retrofit	4	4	10	25	25	25	0	1,872	1,872	-	-	-	-	-	-										
Munsey Park ES	1439	122	1	Classroom 132	2x4 35W LED Volumetric Recessed Troffer	No Retrofit	11	11	10	35	35	35	0	1,872	1,872	-	-	-	-	-	-										
Munsey Park ES	1440	123	1	Hall Outside 132 & 133	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	31	22	13	4	3,900	1,170	1,560	1,170	35	63	99	0.0										
Munsey Park ES	1441	123	1	Hall Outside 132 & 133	4' 30W LED Wrap Ceiling Mount	No Retrofit	6	6	10	30	30	30	0	3,900	3,900	-	-	-	-	-	-										
Munsey Park ES	1442	125	1	Hall By 132	2x4 40W LED Recessed Flat Panel	No Retrofit	5	5	10	40	40	40	0	3,900	3,900	-	-	-	-	-	-										
Munsey Park ES	1443	125	1	Hall By 132	2x2 3-ULamp 31W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	2	2	10	82	22	13	4	3,900	1,170	1,560	1,170	468	127	595	0.1										
Munsey Park ES	1444	125	1	Hall By 132	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	13	4	3,120	1,092	1,248	780	103	49	152	0.0										
Munsey Park ES	1445	126	1	Classroom K4	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	No Retrofit	18	18	10	31	31	31	0	1,872	1,872	-	-	-	-	-	-										

E=Existing P=Proposed

																7098	7098					396,785	118,030	514,815	159.1				
																Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved								
Munsey Park ES	1446	127	1	K4 Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	31	22	13	4	1,248	374	499	374	11	20	32	0.0								
Munsey Park ES	1447	128	1	Classroom K3	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	No Retrofit	18	18	10	31	31	31	0	1,872	1,872	-	-	-	-	-	-								
Munsey Park ES	1448	129	1	K3 Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	31	22	13	4	1,248	374	499	374	11	20	32	0.0								
Munsey Park ES	1449	130	1	Classroom K2	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	No Retrofit	18	18	10	31	31	31	0	1,872	1,872	-	-	-	-	-	-								
Munsey Park ES	1450	131	1	K2 Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	31	22	13	4	1,248	374	499	374	11	20	32	0.0								
Munsey Park ES	1451	132	1	Classroom K1	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	No Retrofit	18	18	10	31	31	31	0	1,872	1,872	-	-	-	-	-	-								
Munsey Park ES	1452	133	1	K1 Restroom	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	31	22	13	4	1,248	374	499	374	11	20	32	0.0								
Munsey Park ES	1453	134	1	Kindergarten Book Room	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	1,040	208	312	520	28	56	84	0.1								
Munsey Park ES	1454	135	1	Boiler Room	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	11	11	10	45	23	23	0	1,040	1,040	-	-	252	-	252	0.2								
Munsey Park ES	1455	136	1	Boiler Storage	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	Relamp, reballast to TWO 2' LED tubes, new NBF, electronic ballast	3	3	10	31	20	20	0	1,040	1,040	-	-	34	-	34	0.0								
Munsey Park ES	1456	137	1	Elevator Machine Room	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0								
Munsey Park ES	1457	138	1	Girls Restroom By K4	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	1,872	374	562	936	51	101	152	0.1								
Munsey Park ES	1458	139	1	All Gender Restroom By K4	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	31	22	13	4	1,248	374	499	374	11	20	32	0.0								
Munsey Park ES	1459	140	1	Boys Restroom By K4	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	3	3	10	31	22	13	4	1,872	374	562	936	51	101	152	0.1								
Munsey Park ES	1460	141	1	Hall K4 - K1	2x2 2-Lamp 17W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	17	17	10	31	22	13	4	3,900	1,170	1,560	1,170	597	1,079	1,676	0.3								
Munsey Park ES	1461	142	1	Stairs To Basement	24W CFL PinBase Jelly Jar	9W Omni Directional Plug in Ballast BYPass	1	1	8	26	9	9	0	3,900	3,900	-	-	66	-	66	0.0								
Munsey Park ES	1462	142	1	Stairs To Basement	4' 1-Lamp 28W Wide Base Wrap Ceiling Mount LBF	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	23	12	12	0	3,900	3,900	-	-	45	-	45	0.0								
Munsey Park ES	1463	142	1	Stairs To Basement	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	3,900	3,900	-	-	86	-	86	0.0								
Munsey Park ES	1464	143	1	Custodial Office	2x4 40W LED Recessed Flat Panel	No Retrofit	4	4	10	40	40	40	0	2,340	2,340	-	-	-	-	-	-								
Munsey Park ES	1465	143	1	Custodial Office	2x2 2-ULamp 32W Recessed Troffer Prismatic NBF	2x2 Troffer Kit w/ Adaptable Controls	1	1	10	55	22	11	4	2,340	936	702	702	77	38	115	0.0								
Munsey Park ES	1466	144	1	Electrical Rooms	10W LED Keyless Fixture	15W A21 E26 120V Dimmable, Enclosed	1	1	10	10	15	15	0	1,040	1,040	-	-	(5)	-	(5)	(0.0)								
Munsey Park ES	1467	144	1	Electrical Rooms	4' 2-Lamp 28W Squared Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	45	23	23	0	1,040	1,040	-	-	92	-	92	0.1								
Munsey Park ES	1468	145	1	Basement Storage	4' 2-Lamp 28W Industrial Strip Wall Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	10	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0								
Munsey Park ES	1469	145	1	Basement Storage	8' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	8' Fixture - Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast, Tandem	5	5	10	45	23	23	0	1,040	1,040	-	-	114	-	114	0.1								
Munsey Park ES	1470	146	1	Basement Boiler Room	4' 2-Lamp 28W Vaportight Strip LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	10	10	20	45	23	23	0	1,040	1,040	-	-	229	-	229	0.2								
Munsey Park ES	1471	1	E	Flood Outside 220	250W HPS Yoke Flood	10L LED Exterior Flood Fixture	1	1	25	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2								
Munsey Park ES	1472	2	E	Exit 18	23W CFL Screw-in Jelly Jar	9W A19 E26 850 120V Enclosed, Exterior	1	1	6	25	9	9	0	4,368	4,368	-	-	70	-	70	0.0								
Munsey Park ES	1473	3	E	Library Exit	100W HPS Semi Recessed Open Face Wallpack	34W E26 850 120V/277V, Enclosed, Dimmable	1	1	6	128	34	34	0	4,368	4,368	-	-	411	-	411	0.1								
Munsey Park ES	1474	3	E	Library Exit	100W HPS Semi Recessed Open Face Wallpack	34W E26 850 120V/277V, Enclosed, Dimmable	1	1	6	128	34	34	0	4,368	4,368	-	-	411	-	411	0.1								
Munsey Park ES	1475	4	E	Corner Flood	250W HPS Yoke Flood	10L LED Exterior Flood Fixture	1	1	20	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2								

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
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Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	7098		Ht	Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P		E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Munsey Park ES	1476	5	E	Area By Exit 15	250W HPS Yoke Flood	10L LED Exterior Flood Fixture	1	1	28	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2
Munsey Park ES	1477	5	E	Area By Exit 15	100W HPS Semi Recessed Open Face Wallpack	34W E26 850 120V/277V, Enclosed, Dimmable	1	1	10	128	34	34	0	4,368	4,368	-	-	411	-	411	0.1
Munsey Park ES	1478	6	E	Padlock Storage	100W HPS Semi Recessed Open Face Wallpack	34W E26 850 120V/277V, Enclosed, Dimmable	1	1	8	128	34	34	0	4,368	4,368	-	-	411	-	411	0.1
Munsey Park ES	1479	7	E	Exit 15	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	1	1	8	100	15	15	0	4,368	4,368	-	-	371	-	371	0.1
Munsey Park ES	1480	7	E	Exit 15	45W LED Open Face Wallpack	5,000 Lumen Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	8	45	40	40	0	4,368	4,368	-	-	22	-	22	0.0
Munsey Park ES	1481	8	E	Wallpack By Exit 15	100W HPS Full Cutoff Wallpack	28W Full Cutoff Wall Pack with Photocell	1	1	10	128	27	27	0	4,368	4,368	-	-	441	-	441	0.1
Munsey Park ES	1482	9	E	Exit K4	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	2	2	8	100	15	15	0	4,368	4,368	-	-	743	-	743	0.2
Munsey Park ES	1483	9	E	Exit K4	1000W MH Slip Fit Flood	14L LED Exterior Flood Fixture	1	1	30	1080	106	106	0	4,368	4,368	-	-	4,254	-	4,254	1.0
Munsey Park ES	1484	9	E	Exit K4	70W HPS Open Face Wallpack	5,000 Lumen Open Face Wall Pack with photocell	2	2	10	95	40	40	0	4,368	4,368	-	-	480	-	480	0.1
Munsey Park ES	1485	10	E	Exit K1	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	2	2	8	100	15	15	0	4,368	4,368	-	-	743	-	743	0.2
Munsey Park ES	1486	10	E	Exit K1	1000W MH Slip Fit Flood	14L LED Exterior Flood Fixture	1	1	30	1080	106	106	0	4,368	4,368	-	-	4,254	-	4,254	1.0
Munsey Park ES	1487	10	E	Exit K1	70W HPS Open Face Wallpack	5,000 Lumen Open Face Wall Pack with photocell	2	2	10	95	40	40	0	4,368	4,368	-	-	480	-	480	0.1
Munsey Park ES	1488	11	E	Exit By 101	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	1	1	8	100	15	15	0	4,368	4,368	-	-	371	-	371	0.1
Munsey Park ES	1489	11	E	Exit By 101	100W HPS Full Cutoff Wallpack	28W Full Cutoff Wall Pack with photocell and emergency back-up to maintain required light levels at egress	1	1	10	128	27	27	0	4,368	4,368	-	-	441	-	441	0.1
Munsey Park ES	1490	11	E	Exit By 101	45W LED Open Face Wallpack	5,000 Lumen Open Face Wall Pack with photocell	1	1	10	45	40	40	0	4,368	4,368	-	-	22	-	22	0.0
Munsey Park ES	1491	12	E	Wallpack Over Stairs	70W HPS Open Face Wallpack	5,000 Lumen Open Face Wall Pack with photocell	1	1	20	95	40	40	0	4,368	4,368	-	-	240	-	240	0.1
Munsey Park ES	1492	12	E	Wallpack Over Stairs	70W HPS Security Style Wallpack	5,000 Lumen Open Face Wall Pack with photocell	1	1	15	95	40	40	0	4,368	4,368	-	-	240	-	240	0.1
Munsey Park ES	1493	13	E	Flood Outside 211	250W HPS Yoke Flood	10L LED Exterior Flood Fixture	1	1	25	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2
Munsey Park ES	1494	14	E	Flood Outside Exit By 213	250W HPS Yoke Flood	10L LED Exterior Flood Fixture	1	1	25	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2
Munsey Park ES	1495	15	E	Exit 13	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	2	2	8	100	15	15	0	4,368	4,368	-	-	743	-	743	0.2
Munsey Park ES	1496	16	E	Exit 12	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	2	2	8	100	15	15	0	4,368	4,368	-	-	743	-	743	0.2
Munsey Park ES	1497	17	E	Flood Outside 132	250W HPS Yoke Flood	10L LED Exterior Flood Fixture	1	1	25	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2
Munsey Park ES	1498	18	E	Exit By 10	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	2	2	8	100	15	15	0	4,368	4,368	-	-	743	-	743	0.2
Munsey Park ES	1499	18	E	Exit By 10	100W HPS Full Cutoff Wallpack	28W Full Cutoff Wall Pack with photocell and emergency back-up to maintain required light levels at egress	2	2	10	128	27	27	0	4,368	4,368	-	-	882	-	882	0.2
Munsey Park ES	1500	19	E	Exit 10	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	2	2	8	100	15	15	0	4,368	4,368	-	-	743	-	743	0.2
Munsey Park ES	1501	19	E	Exit 10	100W HPS Full Cutoff Wallpack	28W Full Cutoff Wall Pack with photocell and emergency back-up to maintain required light levels at egress	1	1	10	128	27	27	0	4,368	4,368	-	-	441	-	441	0.1
Munsey Park ES	1502	20	E	Exit 9	45W LED Full Cutoff Wallpack	No Retrofit	1	1	10	45	45	45	0	4,368	4,368	-	-	-	-	-	-
Munsey Park ES	1503	21	E	Wallpack By Exit 9	70W HPS Open Face Wallpack	5,000 Lumen Open Face Wall Pack with photocell	1	1	10	95	40	40	0	4,368	4,368	-	-	240	-	240	0.1
Munsey Park ES	1504	22	E	Wallpack By Exit 9 (02)	70W HPS Open Face Wallpack	5,000 Lumen Open Face Wall Pack with photocell	1	1	10	95	40	40	0	4,368	4,368	-	-	240	-	240	0.1
Munsey Park ES	1505	23	E	Exit 8	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	4	4	10	100	15	15	0	4,368	4,368	-	-	1,485	-	1,485	0.3

E=Existing P=Proposed

7098	7098
Fixture Qty	

396,785	118,030	514,815	159.1
SAVINGS			

Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	Fixture Qty		Ht	Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
							E	P		E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved
Munsey Park ES	1506	23	E	Exit 8	250W HPS Yoke Flood	10L LED Exterior Flood Fixture	1	1	10	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2
Munsey Park ES	1507	24	E	Exit 6	250W HPS Yoke Flood	10L LED Exterior Flood Fixture	1	1	15	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2
Munsey Park ES	1508	24	E	Exit 6	70W HPS Open Face Wallpack	5,000 Lumen Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	10	95	40	40	0	4,368	4,368	-	-	240	-	240	0.1
Munsey Park ES	1509	25	E	Flood Outside 138	250W HPS Yoke Flood	10L LED Exterior Flood Fixture	1	1	15	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2
Munsey Park ES	1510	25	E	Flood Outside 138	120W LED Yoke Flood	No Retrofit	1	1	15	120	120	120	0	4,368	4,368	-	-	-	-	-	-
Munsey Park ES	1511	26	E	Exit 5	20W LED Wall Sconce	No Retrofit	2	2	6	20	20	20	0	4,368	4,368	-	-	-	-	-	-
Munsey Park ES	1512	27	E	Exit 4	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	1	1	8	100	15	15	0	4,368	4,368	-	-	371	-	371	0.1
Munsey Park ES	1513	28	E	Flood By Exit 4	120W LED Yoke Flood	No Retrofit	1	1	15	120	120	120	0	4,368	4,368	-	-	-	-	-	-
Munsey Park ES	1514	29	E	Exit 3	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	2	2	8	100	15	15	0	4,368	4,368	-	-	743	-	743	0.2
Munsey Park ES	1515	29	E	Exit 3	50W HPS Knuckle Flood	36W knuckle/ground mountable flood	2	2	20	72	35	35	0	4,368	4,368	-	-	323	-	323	0.1
Munsey Park ES	1516	29	E	Exit 3	120W LED Yoke Flood	No Retrofit	1	1	15	120	120	120	0	4,368	4,368	-	-	-	-	-	-
Munsey Park ES	1517	30	E	Flood By Exit 2	120W LED Yoke Flood	No Retrofit	1	1	15	120	120	120	0	4,368	4,368	-	-	-	-	-	-
Munsey Park ES	1518	31	E	Exit 2	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	1	1	8	100	15	15	0	4,368	4,368	-	-	371	-	371	0.1
Munsey Park ES	1519	32	E	Main Entrance	100W Inc. Decorative Area Light Wall Mount	15W A19 E26 850 120V for Exterior Fixture	2	2	10	100	15	15	0	4,368	4,368	-	-	743	-	743	0.2
Munsey Park ES	1520	32	E	Main Entrance	250W HPS Slip Fit Flood	10L LED Exterior Flood Fixture	1	1	20	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2
Munsey Park ES	1521	32	E	Main Entrance	250W HPS Yoke Flood	10L LED Exterior Flood Fixture	1	1	25	295	82	82	0	4,368	4,368	-	-	930	-	930	0.2
District Office	1522	1	1	Shed Open Area	4' 30W LED Pendant Strip	No Retrofit	1	1	5	30	30	30	0	728	728	-	-	-	-	-	-
District Office	1523	1	1	Shed Open Area	4' 2-Lamp 10W LED Vaportight Strip Hanger Chain Mount	No Retrofit	3	3	14	20	20	20	0	728	728	-	-	-	-	-	-
District Office	1524	1	1	Shed Open Area	8' 4-Lamp 10W LED Vaportight Strip Hanger Chain Mount	No Retrofit	9	9	14	40	40	40	0	728	728	-	-	-	-	-	-
District Office	1525	2	1	Shed Bathroom	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	45	23	23	0	1,248	1,248	-	-	27	-	27	0.0
District Office	1526	3	1	Shed Office	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	45	23	23	0	2,080	2,080	-	-	46	-	46	0.0
District Office	1527	4	1	Main Entrance	23W CFL PAR38 Recessed Can	15.5W PAR38 120V Dimmable	2	2	9	25	16	16	0	2,860	2,860	-	-	54	-	54	0.0
District Office	1528	5	1	Main Entrance Hallway	8' 60W LED Architectural Pendant Strip	No Retrofit	2	2	9	60	60	60	0	2,288	2,288	-	-	-	-	-	-
District Office	1529	5	1	Main Entrance Hallway	2x2 25W 1-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	2	2	9	25	25	25	0	2,288	2,288	-	-	-	-	-	-
District Office	1530	6	1	Community Room	8' 60W LED Architectural Recessed Strip	No Retrofit	10	10	10	60	60	60	0	1,872	1,872	-	-	-	-	-	-
District Office	1531	7	1	Restroom 1	2x4 25W 2-Lamp LED Recessed Troffer Prismatic	No Retrofit	1	1	9	50	50	50	0	1,248	1,248	-	-	-	-	-	-
District Office	1532	8	1	Restroom 2	2x4 25W 2-Lamp LED Recessed Troffer Prismatic	No Retrofit	1	1	9	50	50	50	0	1,560	1,560	-	-	-	-	-	-
District Office	1533	9	1	Mechanical Room/boiler	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	9	45	23	23	0	1,040	1,040	-	-	69	-	69	0.1
District Office	1534	10	1	Hallway By Human Resources	5W LED MR16 Pendant Downlight	No Retrofit	4	4	7	4	4	4	0	2,860	2,860	-	-	-	-	-	-
District Office	1535	10	1	Hallway By Human Resources	2x2 25W 1-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	4	4	9	25	25	25	0	2,288	2,288	-	-	-	-	-	-
District Office	1536	11	1	Transportation	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	10	10	10	50	50	50	0	1,664	1,664	-	-	-	-	-	-
District Office	1537	12	1	Transportation Small Office	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	4	4	10	50	50	50	0	1,664	1,664	-	-	-	-	-	-
District Office	1538	13	1	Human Resources	8' 60W LED Architectural Strip Wall Mount	No Retrofit	5	5	9	60	60	60	0	2,080	2,080	-	-	-	-	-	-
District Office	1539	13	1	Human Resources	4' 30W LED Architectural Strip Wall Mount	No Retrofit	2	2	9	30	30	30	0	2,080	2,080	-	-	-	-	-	-

E=Existing P=Proposed

																7098	7098					396,785	118,030	514,815	159.1				
																Fixture Qty		Fixture Watts				Estimated Hours for Energy Savings				SAVINGS			
Bldg	Row #	Map Id	Fir	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved								
District Office	1540	13	1	Human Resources	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	4	4	10	50	50	50	0	1,664	1,664	-	-	-	-	-	-								
District Office	1541	14	1	Office 111	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	6	6	9	50	50	50	0	2,080	2,080	-	-	-	-	-	-								
District Office	1542	15	1	Womens Restroom	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	4	4	8	50	50	50	0	1,872	1,872	-	-	-	-	-	-								
District Office	1543	16	1	Storage Room	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	4	4	8	50	50	50	0	1,040	1,040	-	-	-	-	-	-								
District Office	1544	17	1	Office 113	8' 60W LED Architectural Strip Wall Mount	No Retrofit	2	2	9	60	60	60	0	1,664	1,664	-	-	-	-	-	-								
District Office	1545	18	1	Curriculum And Instruction	2x2 25W 1-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	3	3	8	25	25	25	0	2,080	2,080	-	-	-	-	-	-								
District Office	1546	19	1	Office 115	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	6	6	9	50	50	50	0	1,664	1,664	-	-	-	-	-	-								
District Office	1547	20	1	Hallway Near Conference Room	2x4 25W 2-Lamp LED Recessed Troffer Prismatic	No Retrofit	2	2	9	50	50	50	0	2,860	2,860	-	-	-	-	-	-								
District Office	1548	21	1	Small Restroom	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	1	1	8	50	50	50	0	1,248	1,248	-	-	-	-	-	-								
District Office	1549	22	1	Slip Sink	4' 2-Lamp 28W Standard Wrap Pendant Wrap NBF	Relamp, reballast to TWO low wattage 4' LED tubes, new NBF, electronic ballast	1	1	7	45	24	24	0	1,040	1,040	-	-	22	-	22	0.0								
District Office	1550	23	1	Conference Room	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	8	8	9	50	50	50	0	1,872	1,872	-	-	-	-	-	-								
District Office	1551	24	1	Special Ed	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	7	7	8	50	50	50	0	1,664	1,664	-	-	-	-	-	-								
District Office	1552	25	1	Office 120	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	5	5	9	50	50	50	0	1,664	1,664	-	-	-	-	-	-								
District Office	1553	26	1	Office 119	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	4	4	9	50	50	50	0	2,080	2,080	-	-	-	-	-	-								
District Office	1554	27	1	Closet	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0								
District Office	1555	28	1	Hallway Near Lunch Rm	2x2 25W 1-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	5	5	10	25	25	25	0	2,288	2,288	-	-	-	-	-	-								
District Office	1556	28	1	Hallway Near Lunch Rm	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	10	10	10	50	50	50	0	2,288	2,288	-	-	-	-	-	-								
District Office	1557	29	1	Lunch Rm	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	7	7	9	50	50	50	0	1,872	1,872	-	-	-	-	-	-								
District Office	1558	30	1	Office Adjacent Lunch	4' 30W LED Architectural Pendant Strip	No Retrofit	3	3	8	30	30	30	0	1,664	1,664	-	-	-	-	-	-								
District Office	1559	31	1	Office 215	4' 30W LED Architectural Pendant Strip	No Retrofit	3	3	9	30	30	30	0	2,080	2,080	-	-	-	-	-	-								
District Office	1560	32	1	Closet 140	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0								
District Office	1561	33	1	Closet 139	4' 2-Lamp 28W Standard Wrap Ceiling Mount LBF	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	45	23	23	0	1,040	1,040	-	-	23	-	23	0.0								
District Office	1562	34	1	Office 137	2x4 25W 2-Lamp LED Recessed Troffer Prismatic	No Retrofit	3	3	9	50	50	50	0	1,664	1,664	-	-	-	-	-	-								
District Office	1563	35	1	Office 138	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	4	4	9	50	50	50	0	1,664	1,664	-	-	-	-	-	-								
District Office	1564	36	1	Hallway By 127	8' 60W LED Architectural Pendant Strip	No Retrofit	2	2	8	60	60	60	0	2,288	2,288	-	-	-	-	-	-								
District Office	1565	36	1	Hallway By 127	4' 30W LED Architectural Strip Ceiling Mount	No Retrofit	4	4	9	30	30	30	0	2,288	2,288	-	-	-	-	-	-								
District Office	1566	36	1	Hallway By 127	4' 30W LED Architectural Strip Wall Mount	No Retrofit	1	1	8	30	30	30	0	2,288	2,288	-	-	-	-	-	-								
District Office	1567	37	1	Office 126	2x2 25W 1-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	4	4	9	25	25	25	0	1,664	1,664	-	-	-	-	-	-								
District Office	1568	38	1	Business Office	2x2 25W 1-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	8	8	9	25	25	25	0	1,664	1,664	-	-	-	-	-	-								
District Office	1569	39	1	Superintendent	2x4 25W 2-Lamp LED Recessed Troffer Prismatic	No Retrofit	3	3	9	50	50	50	0	1,664	1,664	-	-	-	-	-	-								
District Office	1570	40	1	Superintendent Large Office	8' 60W LED Architectural Recessed Strip	No Retrofit	5	5	10	60	60	60	0	1,664	1,664	-	-	-	-	-	-								
District Office	1571	41	1	Private Restroom	2x2 25W 2-Lamp LED Volumetric Single Basket Recessed Troffer	No Retrofit	1	1	9	50	50	50	0	1,248	1,248	-	-	-	-	-	-								

E=Existing P=Proposed

Bldg	Row #	Map Id	Flr	Description	Existing Fixture	Proposed Fixture	7098		Ht	Fixture Watts				Estimated Hours for Energy Savings				396,785	118,030	514,815	159.1		
							Fixture Qty			E	P	E	P	High Mode Watts	Low Mode Watts	E Hours	Hours High	Hours Low	Hours Off	SAVINGS			
							E	P		E	P	E	P	E	High	Low	Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved		
District Office	1572	42	1	Deputy Supt.	2x4 25W 2-Lamp LED Recessed Troffer Prismatic	No Retrofit	3	3	9	50	50	50	0	1,664	1,664	-	-	-	-	-	-		
District Office	1573	43	1	Deputy Back Office	2x4 25W 2-Lamp LED Recessed Troffer Prismatic	No Retrofit	4	4	9	50	50	50	0	1,664	1,664	-	-	-	-	-	-		
District Office	1574	44	1	Office 134	2x4 25W 2-Lamp LED Recessed Troffer Prismatic	No Retrofit	3	3	9	50	50	50	0	1,664	1,664	-	-	-	-	-	-		
District Office	1575	1	E	Shed/garage Main Door	LED Full Cutoff Wallpack BBU	No Retrofit	1	1	8	45	45	45	0	4,368	4,368	-	-	-	-	-	-		
District Office	1576	2	E	Shed Back	LED Full Cutoff Wallpack BBU	No Retrofit	1	1	8	45	45	45	0	4,368	4,368	-	-	-	-	-	-		
District Office	1577	2	E	Shed Back	120W LED Arm Mount Area Light	No Retrofit	1	1	8	120	120	120	0	4,368	4,368	-	-	-	-	-	-		
District Office	1578	3	E	Main Entrance	15W LED Security Style Wallpack	No Retrofit	1	1	6	15	15	15	0	4,368	4,368	-	-	-	-	-	-		
District Office	1579	4	E	Community Exit	15W LED Security Style Wallpack	No Retrofit	1	1	9	15	15	15	0	4,368	4,368	-	-	-	-	-	-		
District Office	1580	5	E	Back Of Office Building	3W LED Decorative Accent Fixture	No Retrofit	5	5	8	3	3	3	0	4,368	4,368	-	-	-	-	-	-		
District Office	1581	6	E	Staff Entrance	15W LED Security Style Wallpack	No Retrofit	1	1	9	15	15	15	0	4,368	4,368	-	-	-	-	-	-		
District Office	1582	7	E	Left Of Staff Entrance	3W LED Decorative Accent Fixture	No Retrofit	3	3	8	3	3	3	0	4,368	4,368	-	-	-	-	-	-		
District Office	1583	8	E	Right Of Staff Entrance	3W LED Decorative Accent Fixture	No Retrofit	5	5	8	3	3	3	0	4,368	4,368	-	-	-	-	-	-		
District Office	1584	9	E	Superintendent Exit	15W LED Security Style Wallpack	No Retrofit	1	1	9	15	15	15	0	4,368	4,368	-	-	-	-	-	-		
District Office	1585	10	E	Left Of Main Entrance	15W LED Security Style Wallpack	No Retrofit	1	1	9	15	15	15	0	4,368	4,368	-	-	-	-	-	-		
Manhasset Secondary School	1586	-	1	Classrooms without Sensors	NO LIGHT	Occupant Sensor - Ceiling Sensor w/ Transmitter Switch	37	37	9	0	0	0	0	2,340	2,340	-	-	-	-	-	-		
Shelter Rock ES	1587	-	1	Classrooms without Sensors	NO LIGHT	Occupant Sensor - Ceiling Sensor w/ Transmitter Switch	27	27	9	0	0	0	0	2,340	2,340	-	-	-	-	-	-		
Munsey Park ES	1588	-	1	Classrooms without Sensors	NO LIGHT	Occupant Sensor - Ceiling Sensor w/ Transmitter Switch	44	44	9	0	0	0	0	2,340	2,340	-	-	-	-	-	-		