



The Enclosures referred to in the Agenda are available for inspection at each of the three Public Libraries in Fairfield, Fairfield Public Schools' website <http://www.fairfieldschools.org/> and the Education Center, 501 Kings Highway East.

THE PUBLIC IS REQUESTED TO SILENCE DEVICES FOR THE DURATION OF THE MEETING

Board of Education Regular Meeting Agenda
501 Kings Highway East, 2nd Floor Board Conference Room
THURSDAY September 24, 2015
Regular Meeting 7:30 PM

1. Call to Order and Roll Call

2. Pledge of Allegiance

3. Public Comment

*During this period the Board will accept public comment on all items pertaining to this meeting's agenda from any citizen present at the meeting. Any single presentation must be limited to **three** minutes. *Per BOE By-Law, Article V, Section 6 (8560, approved at the 1/13/2015 Regular BOE Meeting). Those wishing to videotape or take photographs must do so as inconspicuously as possible and in such manner as to not disturb the proceedings of the Board of Education (CGS §1-226).*

4. Presentations

A. Fairfield Ludlowe High School Building Committee Update, Mr. Marc Donald

5. New Business

A. Energy Opportunities Program at Jennings and North Stratfield Elementary Schools, Mr. Morabito

Recommended Motion: "that the Board of Education approve the Energy Opportunities Program – Proposed Project at Jennings Elementary School as enclosed"

(Enclosure No. 1)

Recommended Motion: "that the Board of Education approve the Energy Opportunities Program – Proposed Project at North Stratfield Elementary School as enclosed"

(Enclosure No. 2)

B. First Reading of the 2016-2017 School Calendar, Dr. Title

(Enclosure No. 3)

6. Approval of Minutes

A. Approval of Minutes of the September 8, 2015 Regular Meeting

Recommended Motion: "that the Board of Education approve the Minutes of the September 8, 2015 Regular Meeting"

(Enclosure No. 4)

7. Superintendent's Report

A. Certified Staffing Update: Retirements, Resignations and New Staff, Mrs. Leffert

(Enclosure No. 5)

B. Financial Review of 2014-2015 Fiscal Year, Mrs. Munsell

(Enclosure No. 6)

8. Committee/Liaison Reports

9. Open Board Comment

10. Adjournment

Recommended Motion: "that this Regular Meeting of the Board of Education adjourn"

CALENDAR OF EVENTS

October 6, 2015	Board of Education Regular Meeting 7:30 pm	501 Kings Hwy East, 2 nd Floor Board Conference Room
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RELOCATION POLICY NOTICE

The Fairfield Public Schools System provides services to ensure students, parents and other persons have access to meetings, programs and activities. The School System will relocate programs in order to ensure accessibility of programs and activities to disabled persons. To make arrangements please contact Pupil & Special Education Services, 501 Kings Highway East, Fairfield, CT 06825, Telephone: (203) 255-8379

September 24, 2015

ENERGY OPPORTUNITIES

1-877-WISE USE

Municipal Energy Opportunities Standard Agreement

This Agreement is entered into by and between The United Illuminating Company ("UI") and

Town Of Fairfield - Dept 001 Jennings School ("Customer"), pertaining to the building to be retrofitted at

PALM DR 10 ; FAIRFIELD, CT (the "Facility"), **MEO Project # NunE**, by

NXEGEN, LLC (the "Installing Vendor"). The Effective Date of this Agreement is the date that this Agreement is signed by both Customer and UI, subject to Section 5(b)(i) hereof.

BASIC UNDERSTANDINGS

UI has a conservation program called Energy Opportunities which is designed for projects which "retrofit" existing systems with energy efficient alternatives. UI offers to pay incentives to eligible Customers who retrofit existing systems with energy efficient measures (each an "Individual Measure" and collectively, the "Measures") in the Customers' facilities. This Agreement provides the terms and conditions for payment of Standard Incentives and any applicable Bonus Incentives by UI to a Customer under the Energy Opportunities program. Customer expressly represents and warrants that the execution, delivery and performance by Customer of this Agreement are within such Customer's powers and have been duly authorized by all necessary action on the part of the Municipality (or any other person or entity, as applicable). This Agreement constitutes a valid and binding agreement of the Customer, enforceable against such Customer in accordance with its terms. Customer further acknowledges and agrees that it has selected the Installing Vendor and has and will continue to be solely responsible for such selection, which selection was in accordance with any and all legal, governmental or regulatory rules and requirements (whether federal, state, municipal or otherwise) applicable to Customer. Any payments (if any) made by UI to Installing Vendor in connection with Installing Vendor's installation of ECMs hereunder at the Facility and pursuant to Customer's direction as provided for herein, are made by UI solely in its role as administrator of conservation and load management programs approved by the Connecticut Public Utilities Regulatory Authority. UI assumes no responsibility or liability whatsoever with respect to Customer's selection of the Installing Vendor, the Installing Vendor's installation of the ECMs for Customer, and/or any agreement that Installing Vendor and Customer may have entered into in connection with such installation.

1. CUSTOMER ELIGIBILITY

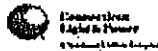
Any municipality that is a retail end use UI customer is eligible to participate in the Energy Opportunities program.

2. INCENTIVES

- Subject to the terms and conditions contained herein, UI will pay incentives to Customers for the installation of Energy Conservation Measures (ECMs) as specified in the attached Schedule A, incorporated herein by reference.
- ECMs are those conservation measures that are consistent with UI's desire to achieve energy conservation and load management, and that are approved by UI in advance and in its sole discretion as set forth herein.
- Customer understands and agrees that incentive schedules for which Customer may be eligible vary based upon the classification of customers.
- ECMs are not eligible for incentives from the Energy Opportunities program if the Customer has received incentives for that specific ECM under any other UI incentive program.

3. PRE-APPROVAL & PRE-INSTALLATION SURVEY

- Among other conditions for receipt of incentives hereunder, UI is not bound to pay any incentive to Customer hereunder unless UI pre-approves in its sole discretion each ECM that has been proposed by the Customer and/ or (as determined by UI) completes a satisfactory pre-installation survey of the Customer's Facility.
- UI reserves the right, in its sole discretion, to approve or dis-approve any proposed ECM. Any failure to approve any and all ECMs shall not under any circumstances constitute approval by UI of such ECMs.
- Among other conditions for receipt of incentives hereunder, UI is not bound to pay any incentives unless the Customer commits to installing the ECM(s) evidenced by its execution and delivery of this Agreement, including Schedule A and complying with all of the terms and conditions contained in this Agreement including but not limited to the timeframe described in Paragraph 5, section b.



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4. CUSTOMER APPLICATION & ANALYSIS

- a. The Customer agrees to comply with the steps outlined in Paragraph 5, section b.
- b. In addition to the execution and delivery of this Agreement, including Schedule A, UI may in its sole discretion, require Customer to perform or cause to be performed a thorough analysis of the demand and energy reduction potential and life expectancy of the proposed ECMs ("Analysis"). In some cases, UI may require, in its sole discretion, that a licensed or certified energy professional or engineer prepare this Analysis. Customer shall provide to UI specifications, engineering data or other reasonable information necessary for the completion of such Analysis of the proposed ECM.
- c. UI will review the Customer's Application and Analysis (if applicable) to determine the potential for reducing energy consumption at the Facility via the ECMs. UI reserves the right, in its sole discretion to accept, reject, or modify any calculations set forth in the Application and Analysis (if applicable) based on UI's own analysis of the ECMs, including but not limited to the incremental cost of energy and demand savings, actual energy savings, life expectancy of the ECM, and the cost of the ECM.
- d. UI reserves the right to approve only those site-specific ECMs that UI believes have cost effective energy reduction potential. In any case, UI reserves sole discretion to approve or disapprove each proposed ECM in its sole discretion.

5. CANCELLATION

- a. Customer may cancel this Agreement at any time by providing UI with written notice of the same.
- b. UI may cancel this Agreement immediately without notice to the Customer if any of the following conditions exist:
 - i. the Customer fails to sign the Standard Agreement and Schedule A within 30 Business days of UI's approval date. For the sake of clarity, any Standard Agreement signed by Customer after such 30 Business Days shall automatically be void and of no force and effect;
 - ii. the Customer fails to initiate installation or construction of the project within 60 Business days of UI's approval date;
 - iii. the Customer has not submitted to UI a written explanation, acceptable to UI in its sole discretion outlining the reasons why the initiation of the construction process has not begun within 60 Business Days of the approval date. These situations will be subject to UI review on an individual basis;
 - iv. the Customer fails to complete the installation of the ECMs within 10 months of UI's approval date;
 - v. the Customer has not submitted an acceptable written explanation outlining the reasons why the construction process has not been completed within 10 months of the approval date. These situations will be subject to UI review on an individual basis.
- c. Upon cancellation of this Agreement by either Party, Customer will reimburse UI within 30 Business Days for any and all payments made by UI to Customer under this Agreement.
- d. If Customer does not install all of the ECMs listed in Schedule A, UI may, in its sole discretion, adjust the incentives for which the Customer is eligible according to the criteria and participation requirements of the Energy Opportunities program.

6. POST-INSTALLATION VERIFICATION

- a. UI will pay incentives to Customer only after UI has performed to its sole satisfaction a post-installation inspection of the Facility and the ECMs. In addition to the foregoing, no incentive payment shall be made by UI to Customer or Installing Vendor (as the case may be) until Customer has executed an acknowledgement in the form attached hereto as Exhibit 2.
- b. If as a result of UI's post-installation inspection, UI determines that the ECMs installed at the Facility were not installed in a manner that is consistent with the purpose of achieving energy savings, the Customer shall make modifications as determined to be necessary by UI in order to ensure achievement of energy savings. A failure by Customer to promptly perform such modifications will result in Customer forfeiture of any incentives for which it is eligible.
- c. If as a result of UI's post-installation inspection, UI determines that the operation of any equipment installed in connection with Customer's participation in the Energy Opportunities program is not consistent with generally accepted industry standards and practices, including, where applicable, state or federal building code mandates, environmental regulations, and current standards published or otherwise recognized by the American Society of Heating, Refrigeration, and Air Conditioning Engineers ("ASHRAE") for the operation of Heating, Ventilation, and Air Conditioning ("HVAC") units, Customer shall make modifications as determined to be necessary by UI to ensure compliance with such applicable standard(s). A failure by Customer to promptly perform such modifications will result in Customer forfeiture of any incentives for which it is eligible.

7. MONITORING & VERIFICATION

- a. UI reserves the right to continue to monitor any or all proposed and installed ECMs for the purpose of determining the actual value of energy reduction.

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UI
The Utility Incentives Program



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- b. Customer agrees to grant UI access at all reasonable times to the Facility for the purpose of examining and monitoring proposed and installed ECMs. The results of this monitoring will not affect any payments already received by Customer hereunder, except for such payments that are required to be reimbursed by Customer pursuant to the terms and conditions contained in this Agreement.
- c. Customer understands and agrees that UI reserves the right to decrease any unpaid incentive amounts for which Customer is eligible hereunder if, based on the results of UI's on-site monitoring and verification, UI determines in its sole discretion that less than the proposed ECM savings are likely to result via the ECMs.

8. INCENTIVE AMOUNTS

- a. Any incentive amounts requested by Customer in connection with this program may be reduced by UI in its sole discretion and only incentive levels approved by UI in connection with this Agreement are eligible to be earned by Customer.
- b. UI reserves the right to modify any program incentives for which Customer is eligible hereunder and the incentive structure at anytime and without any prior notices to Customer.
- c. In the event that, following execution and delivery of this Agreement, the program is modified or cancelled for any reason, this Agreement will continue in effect pursuant to all of its terms and conditions.
- d. The dollar amount of the incentive available to Customer pursuant to this Agreement is calculated by UI based on UI's understanding of the total project cost of the installation of the ECMs at Customer's Facility ("UI Total Project Cost") as supplied by Customer or the Installing Vendor. In the event that the actual project cost is lower than the UI Total Project Cost for any reason, including but not limited to the availability of any and all state, federal or local tax rebates that may be applicable to the Customer's installation of the ECMs at the Facility, and/or any and all rebates, incentives, credits or adjustments of any nature that Installing Vendor provides to Customer and which lowers the UI Total Project Cost, then Customer shall promptly provide UI with written notice of the same and UI reserves the right, in its sole discretion, to recalculate the dollar amount of the incentive available to Customer under this Agreement based on the actual project costs and such recalculated incentive amount shall be the incentive available to Customer under this Agreement. In the event that UI has already provided Customer with an incentive payment based on the UI Total Project Cost prior to UI's receipt of notice from Customer of an actual project cost that is lower than the UI Total Project Cost, UI may require Customer to refund the difference between the incentive paid by UI to Customer and the incentive that results from UI's incentive recalculation based on the actual project cost. Any such refund shall be made by Customer within thirty (30) days after written demand of the same from UI.

9. COMPREHENSIVE PROJECTS

- a. Comprehensive projects may be eligible for bonus incentives only if specific funding is available and approved.
- b. Comprehensive projects may include energy savings from other fuel sources. However the value of the incentive will be based entirely on the electric energy savings components.
- c. Projects are considered comprehensive if they consist of two (2) or more end uses and at least one (1) measure per end use. Projects consisting of multiple measures per end use are eligible provided that the project consists of at least 2 end uses and meet the criteria in Paragraph 9 (d, e) below.
- d. No one end use can have 85% or more of the value of the project's energy savings or peak summer demand reduction.
- e. The remaining enduse(s) must account for at least 15% of the value of the project's energy savings or peak summer demand reduction (based on the cumulative total of the remaining enduse(s)).
- f. Each Measure will be reviewed independently to determine the applicability of the EO program incentives based on the Energy Opportunities Incentive guidelines.
- g. If the project is modified to where the project does not meet the comprehensive criteria then the incentive is calculated on the individual merits of the Measures due to scope changes and/or measures.
- h. The project must have all Measures installed within a reasonable time frame to receive the comprehensive incentive. A reasonable timeframe is defined in Paragraph 5(b) above. UI reserves the right to modify the definition of a "reasonable time frame" based on the project. In the event, the scope of the project changes, the incentive amount will be calculated on the merits of the remaining individual measures.
- i. Projects will be reviewed on a case-by-case basis.

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UI Total Incentivizing Program



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10. MULTIPLE FUEL or NON-ELECTRIC ECMs

UI reserves the right in its sole discretion (but in no event is obligated) to pay incentives for any energy saving non-electric ECM.

11. ECM INSTALLATION COST

- a. Customer shall supply UI with copies of all appropriate paperwork that documents that the construction or installation process has been initiated (such as a purchase order, bid document, contract etc. and any other documentation as requested by UI).
- b. Customer shall supply UI with copies of all paid invoices (including all materials, labor, and equipment discounts) reflecting the actual costs of design engineering, purchasing, and installing the ECMs, along with costs for demolition and disposal of materials. UI may also request and Customer shall supply UI with other reasonable documentation or verification of the Customer's actual cost for purchasing and installing the ECM. Incentives are applicable to and available with respect to incentives for ECM installation costs only those ECMs that are actually installed and Customer is eligible for incentives for ECM installation costs only to the extent that the costs are deemed reasonable by UI in its sole discretion. Costs for financing, extra equipment, spare parts, inventoried items, painting, and any other non-installed materials are not eligible for UI reimbursement under this Agreement.

12. PAYMENT

- a. Incentive payments will be made by UI within 60 days after UI has completed a post-installation verification of ECM installations and the actual costs thereof to its sole satisfaction. UI may also arrange with Customer to make incentive payments in installments. In addition to the foregoing, no incentive payment shall be made by UI to Customer or Installing Vendor (as the case may be) until Customer has executed an acknowledgement in the form attached hereto as Exhibit 2.
- b. If Customer has an established UI account, it may request that the incentive amount applicable to it under this Agreement be paid in the form of a credit to the Customer's electric bill by designating the method of payment on the Schedule A at the time of entering into this Agreement.
- c. The Customer understands and acknowledges that UI shall pay the incentives from the Energy Conservation and Load Management Fund ("C&LM Fund"). In the event that all or any part of UI's C&LM Fund is designated by legislative or regulatory action for purposes other than implementation of UI's C&LM programs, and UI determines that the C&LM Fund is insufficient to cover the cost of such programs, UI shall have no obligation to pay any incentives hereunder and shall have no further liability to the customer. Customer shall not hold UI liable in any way and shall hereby hold UI harmless from and against any and all liabilities, costs or damages incurred by Customer in the event of a program funding reduction or elimination, including but not limited to the insufficiency of the C&LM Fund to cover the cost of C&LM programs as determined by UI.

13. PERFORMANCE CONTRACTING

If the ECMs are being installed by a third party under a performance contract arrangement, UI reserves the right to determine the cost of purchasing and installing the ECMs as the costs actually incurred by the third party or in UI's sole discretion based upon UI's experiences with similar ECMs in other Customers' facilities.

14. FINANCING OPTION

- a. Third party financing for the ECMs to be installed at Customer's Facility pursuant to this Agreement may be available to Customer from a UI designated third party financing provider ("TPFP") provided that Customer's project meets (among other requirements) the following eligibility requirements:
 - (i) The project has a Simple Payback Period greater than 1.5 years but less than 7 years. Simple Payback Period means the total cost of the project divided by the estimated annual energy savings of the project through its first year of operation.
 - (ii) The project is eligible for inclusion in UI's Energy Opportunities program.
 - (iii) The project does not participate in other financing options under Connecticut Energy Efficiency Funds (CEEF) programs administered by UI, specifically the Municipal loan with on-bill repayment.
 - (iv) The project is not a federal government or agency project.
 - (v) The project includes only equipment retrofits (i.e., it does not involve new construction or major renovation).
 - (vi) The Customer is an existing business which has been in operation for three (3) years and qualifies through the TPFP's business credit review.
- b. Customer acknowledges and agrees that, in addition to the foregoing project eligibility requirements, Customer must apply to the TPFP in order to secure financing by the TPFP for its project (as described herein). The decision by the TPFP to provide (or not provide) financing to Customer in connection with its project is at the sole discretion of the TPFP and Customer acknowledges and agrees that UI is not responsible in any way for any decision by the TPFP to provide, or not to provide,

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The United Illuminating Company



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financing for Customer's project. In addition to the foregoing, any and all financing transactions as between the TFPF and Customer in connection with the project are solely as between such parties. UI is not responsible in any way for any and all decisions, acts or omissions of the TFPF in connection with any and all financing transactions as between the TFPF and Customer in connection with Customer's project. Customer hereby agrees to indemnify, defend, and hold harmless, UI, from any and all claims, actions, costs, expense, damages, and liabilities, including reasonable attorney's fees, resulting from or arising out of Customer's decision to seek financing for its project from the TFPF, including but not limited to any and all action or inaction of the TFPF related to the same.

- c. In the event that Customer receives financing from the TFPF as contemplated and provided for herein, UI may, in its sole discretion, provide an "interest rate buy down" in connection with such TFPF financing. An "interest rate buy down" means an upfront payment provided by UI (through use of CEEF funds) to the TFPF in order to lower the interest rate paid by Customer to the TFPF over time. An interest rate buy down is only available to Customer in connection with TFPF loans that are no less than \$2,000 and no greater than \$100,000. In the event that Customer (i) is eligible for and receives financing for its project from the TFPF pursuant to the TFPF's EO financing program and (ii) UI determines, in its sole discretion, that it will provide an interest rate buy down in connection with such TFPF financing for Customer's project, then Customer will receive 100% of the incentive calculated by UI for the Customer's project and a partial interest buy down or subsidy, which in turn determines the available interest for the project either 4.99%, 2.99%, or 0% loans respectively. The maximum term of TFPF loans for which Customer receives an interest rate buy down from UI shall be (i) the Net Simple Payback Period for the project plus one year or (ii) five years, whichever is less. Net Simple Payback Period is defined as (A) the total cost of Customer's project that is the subject of this Agreement minus the incentive calculated by UI for the project divided by (B) the estimated energy savings expected to be experienced by Customer as a result of the project (as calculated by UI).
- d. Customer may seek additional financing from the TFPF, typically up to a total amount of \$1,000,000. Any projects that exceed \$1,000,000 would be reviewed on a case by case basis. However, financed amounts greater than \$100,000 are not eligible for any interest rate buy down from the CEEF funds. Any financed amounts greater than \$100,000 will be subject to current market interest rates and will be determined by the TFPF.
- e. Customer may seek financing of its project from any third party financing entity provided, however, any interest buy down that the CEEF Fund and UI may provide with respect to Customer's project, if at all, shall only be applicable with respect to TFPF financing pursuant to the terms and conditions provided for herein.

15. ECM MAINTENANCE

- a. In order to maintain the estimated energy savings benefit derived by UI for ten (10) years from the date of installation of the applicable ECMs, Customer agrees to repair or replace the ECMs periodically, using energy saving equipment similar or superior to the equipment that was installed originally. If Customer's performance of this provision proves to be impossible or impracticable, Customer shall, within ten (10) days of its determination of its inability to perform, notify UI promptly of its inability to perform and in such an event, UI may, at its sole and full discretion, require Customer to promptly reimburse UI for a prorated portion of all incentives and installation cost reimbursement paid under this Agreement subject to interest charges set forth in Paragraph 15(c) below.
- b. If UI in its sole discretion deems it appropriate, to ensure the efficiency gained through incentives paid by in connection with this Agreement, UI may require the Customer to maintain a service contract with a vendor acceptable to UI for the term of this Agreement, or another term determined by UI to be applicable to the specific ECM installed.
- c. Neither Customer nor its agents, contractors, or subcontractors shall knowingly circumvent the net energy performance of ECMs or related systems installed pursuant to this Agreement. In the event of a breach of this provision, UI will require Customer to reimburse in full all of the incentives and installation cost reimbursement paid for these ECMs. All Customer reimbursements to UI will include interest accrued from the date of receipt of the incentive by the Customer, at the annual rate of eight percent (8%).

16. LIMITATION OF LIABILITY

UI shall not be liable to Customer for any damages in contract or tort or otherwise including negligence caused by any activities in connection with this Agreement or in connection with the retrofitting of the Facility, including without limitation the actions or omissions of any design professional or any employee, agent, contractor, subcontractor or consultant retained by UI. UI's liability under this Agreement shall be limited to paying the incentives specified for the ECMs but only as and if such incentives become payable to Customer and only to the extent that such incentives are not subject to repayment as provided for in this Agreement. In no case shall UI be liable to Customer for any special, indirect, consequential, incidental, punitive or exemplary damages of any kind, including but not limited to loss of use, lost profits, out of pocket expenses by statute, tort or contract, in equity under any indemnity provision or otherwise.

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UI
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International Brotherhood of Electrical Workers

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17. INDEMNIFICATION

Customer agrees to indemnify, defend and hold harmless, the UI, from any and all claims, actions, costs, expenses, damages, and liabilities including reasonable attorney's fees, resulting, from death or bodily injury or damage to real or personal property, to the extent caused by the negligence or misconduct of Customer's employees or other authorized agents in connection with Customer's activities within the scope of this Agreement, including, without limitation, claims arising from Customer's installation and/or maintenance of HVAC units in compliance with current standards for the performance of such units published or recognized by ASHRAE. Customer's duty to indemnify shall continue in full force and effect, notwithstanding the expiration or early termination hereof, with respect to any claims based on facts or conditions that occurred prior to the expiration or termination of this Agreement.

18. NO WARRANTIES

- a. Customer acknowledges and agrees that neither UI nor any of UI's employees or consultants are responsible for assuring that the design, analysis, engineering, and retrofitting of the Facility or installation of any or all of the individual ECMs or equipment is proper or complies with any particular laws, codes, or industry standards, including, without limitation, current standards published or otherwise recognized by ASHRAE for HVAC units.
- b. Customer understands and agrees that UI does not represent, warrant, or guarantee the product or service of any particular vendor, manufacturer, contractor, or subcontractor. Customer further understands and agrees that UI does not represent, warrant or guarantee the safety of the ECMs or that the installation of any ECMs pursuant to this Agreement will result in any level of energy savings or result in any measurable energy related benefit.

19. NO TAX LIABILITY

UI is not responsible for any tax liability imposed on the Customer or the Customer's authorized recipient as a result of the incentive payment.

20. LIMITED SCOPE OF REVIEW

UI's scope of review for purposes of this Agreement is limited to determining if the design and installation of the ECMs have met the program conditions. UI does not include any kind of safety or performance review of any equipment installed or serviced in connection with this Agreement or any planned or installed ECMs, including, without limitation, any compliance by HVAC units with current standards published or otherwise recognized by ASHRAE.

21. OBLIGATION TO INSTALL

This Agreement does not obligate Customer to install any of the ECMs that have been approved by UI. However, if Customer, subsequent to such approval, elects to install the ECMs, the terms and conditions of this Agreement shall govern the payment of incentives and the maintenance of the ECMs at the Facility.

22. PROGRAM CHANGES


UI reserves the right to cancel or change the Energy Opportunities program at any time without prior notice to Customer. Except as otherwise provided in this Agreement, all fully executed agreements that are in compliance with the terms and conditions contained herein will be processed to completion under the terms and conditions of the Energy Opportunities program in effect on the Effective Date.

23. PAYMENTS ASSIGNED TO CONTRACTORS

- a. UI Customers may designate in writing the Customer's installing Vendor as the sole recipient of any incentives and/or installation cost reimbursements owed to Customer under this program. Customer's written designation shall also state that Customer acknowledges and agrees that it has no further claim or right, title or interest in and to any such incentives and / or installation reimbursements.
- b. In addition to the requirements set forth in Paragraph 23 (a) above, Customer must request the change in incentive / installation cost recipient by signing the designated area on Schedule A.
- c. In addition to the requirements set forth in Paragraph 23 a and b) above, if Customer assigns the incentives and/or installation cost reimbursements to the installing Vendor, Customer must supply or cause its designated recipient to supply UI with a Letter of Acknowledgement and a completed W-9 containing designated recipient's Federal Tax Identification number.
- d. In addition to the foregoing, prior to the release by UI of any incentive/installation cost reimbursement by UI to the installing Vendor, installing Vendor shall execute an acknowledgment in the form attached hereto as Exhibit 1 and Customer shall cause installing Vendor to execute the same.

24. PUBLICITY OF CUSTOMER PARTICIPATION

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 **UI**
The United Illuminating Company

 **AGA**

 **D&E**
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 **Municipal Energy Opportunities**
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UI may, with Customer's consent, publicize Customer's participation in the program, the results of Customer's participation in the program, the value of Incentives paid to Customer by UI under the program, and any other information relating to or in connection with Customer's participation in the program.

25. BALLAST & LAMP DISPOSAL

Customer agrees to comply with all laws and regulations promulgated by the State of CT Department of Environmental Protection and all other applicable laws, rules and regulations relating to the proper disposal of fluorescent lamps and PCB ballasts. The costs incurred by Customer in connection with the disposal of fluorescent lamps and PCB ballasts may be included in Customer's calculation of costs for installing the ECMs. Customer must provide to UI documentation acceptable to UI that verifies the proper disposal of all hazardous materials.

26. EXISTING and NEW SELF-GENERATION

The incentive amount paid by UI to Customer under this Agreement will be determined by UI based on UI's evaluation of the net benefit of the ECMs for which Customer is receiving an incentive to UI's customers as a whole ("Net Customer Benefit"). Accordingly, UI will establish and reserves the right to reduce the incentive amount in order to reflect the impact of Customer's existing self-generation or new self-generation installed after the Effective Date hereof (as the case may be) to reflect the impact of such self-generation on UI's Net Customer Benefit calculation. UI may require Customer to refund to UI all or a portion of the incentive amount paid to reflect the reduced Net Customer Benefit. Any interconnection of new self-generation to the utility grid must comply with UI's then current policies and standards governing such interconnections.

27. FORWARD CAPACITY MARKET PAYMENTS / CREDITS

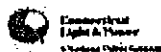
By signing this document and as a condition to receiving an incentive pursuant to this program, Customer hereby assigns to UI any and all payments, benefits and/or credits in connection with the Forward Capacity Market or any currently existing or successor or replacement markets, (including, but not limited to, any and all "LICAP", "ICAP", transitional credits or payments or any and all other capacity-related credits, payments and/or benefits for which Customer is eligible) and that are associated with or applicable to Customer's participation in the Energy Opportunities Program. Customer hereby assigns to either UI all of its right, title and interest in and to any and all such capacity payments, credits and/or benefits and shall take any and all action, including executing and delivering any and all documents and/or instruments, as requested by UI to evidence the same. Forward Capacity Market means the market for procuring capacity pursuant to ISO-NE Tariff, FERC Electric Tariff No. 3, Section III, Market Rule 1, Section 13, any modifications to the Forward Capacity Market, or any successor or replacement market/capacity procurement process.

28. CLASS III CONSERVATION CREDITS

In accordance with the Department of Public Utility Control's ("DPUC's") now the Public Utilities Regulatory Authority or "PURA") September 29, 2008 decision in Docket No. 05-07-19RE01, DPUC Proceeding to Develop a New Distributed Resources Portfolio Standard (Class III) - 2007 Revisions (as supplemented by the DPUC's February 11, 2010 decision in Docket No. 05-07-19RE01), Customer is not eligible to receive or retain any Class III conservation credits in connection with the Energy Opportunities Program and Customer hereby acknowledges and agrees the same. Customer further acknowledges and agrees that such credits shall be retained by UI for the benefit of their customers through the Connecticut Energy Efficiency Fund. In the event that the DPUC amends or modifies the allocation of Class III conservation credits as reflected in its September 29, 2008 decision, then the allocation of such credits utilized by UI shall be the allocation in effect (per the applicable PURA decision) on the Effective Date.

29. MISCELLANEOUS

- a. The term of this Municipal Energy Opportunities Agreement will commence as of the Effective Date and continue for ten (10) years from date of the first payment made by UI to Customer pursuant to Paragraph 11 above unless sooner terminated as provided for herein.
- b. Customer understands that UI is willing to pay the Energy Opportunities incentives based on the long-term value of the energy reductions to UI.
- c. If at any time during the term of this Agreement, and during which time the Facility is occupied by the Customer, or any affiliate of the Customer, the operation of the Facility is modified so as to diminish the value of the energy efficient measures, UI may require reimbursement by Customer of all or a prorated percentage of the Energy Opportunities incentives and installation cost reimbursements paid by UI to Customer hereunder.
- d. Where Customer has installed or modified any HVAC unit in connection with Customer's participation in the Energy Opportunities Program, Customer shall, prior to UI's payment of an incentive, provide UI with a written statement confirming that such HVAC unit meets or exceeds the current standards for the operation of such HVAC unit as recognized by ASHRAE. Customer's failure to provide such written confirmation shall result in UI's withholding of any and all incentives for which Customer is eligible for hereunder until such failure is corrected.



MEO Project # NunE Agreement Printed 08/19/2015 03:00:04 PM

ENERGY OPPORTUNITIES

1-877-WISE USE

Municipal Energy Opportunities Standard Agreement

- e. During the term of this Agreement, Customer will require any successor to its interest in the Facility during the term of this Agreement (whether direct or indirect, by sale of the Facility to a third party, by expiration or termination of Customer's lease of the Facility, or by purchase, merger or consolidation of Customer or all or substantially all of its assets by with or into a third party) by an agreement in form and substance satisfactory to UI, to assume and agree expressly to be bound by the provisions of this Agreement. Failure of Customer to obtain such agreement by the effectiveness of any such succession shall be a breach of this Agreement and shall entitle UI to reimbursement for all or a prorated percentage of the incentives paid by UI to the Customer under this Agreement.
- f. If either UI or Customer desires to modify the content of this Agreement, the modification must be in writing and signed by an authorized representative of each party in order for the modification to be enforceable against that party.
- g. Customer may not assign this Agreement without the written consent of UI. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, executors, personal representatives, successors and assigns.
- h. Any waiver of any breach of any provision of this Agreement shall not be a waiver of any subsequent breach of the same or any other provisions of this Agreement.
- i. All notices shall be in writing and delivered personally or by overnight courier to the addresses of the parties set forth at the beginning of this Agreement. Any such notice shall be deemed given on the date delivered.
- j. This Agreement shall be governed and construed in accordance with the laws of the State of Connecticut without regard to its conflicts of laws and principles.
- k. All requirements, terms, conditions and provisions of this Agreement which by their nature are incapable of being fully performed within the period of performance hereof shall survive cancellation, termination or expiration of this Agreement, including but not limited to any and all reimbursement obligations of Customer hereunder.
- l. The relationship of the parties is that of independent contractors. None of the provisions of this Agreement is intended to create nor will be construed to create an agency, partnership or employment relationship between or among the parties. No party or any of its officers, members, or employees, will be deemed to be the agent, employee or representative of another party.
- m. This Agreement, including all schedules attached hereto, forms the entire agreement between the parties and supersedes all other communications and representations related to the subject matter hereof.
- n. A "Business Day" as used in this Agreement is a day for which commercial banks are open for business in Connecticut.

In order to evidence its agreement to the above terms, each party has signed or caused an authorized representative to sign this Agreement on the date(s) specified below.

CUSTOMER:

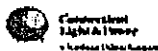
By: _____
(print)
Name: _____
(sign)

Title: _____ Date: _____

THE UNITED ILLUMINATING COMPANY:

By: Gary Pattavina
Title: Energy Engineer Date: 08/19/2015

By: [Signature]
Title: Manager, C&I Engineering Date: 8/24/15



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ENERGY OPPORTUNITIES

1-877-WISE USE

Municipal Energy Opportunities Standard Agreement

EXHIBIT 1

AGREEMENT REGARDING Town Of Fairfield - Dept 001 Jennings School MUNICIPAL ENERGY OPPORTUNITIES STANDARD AGREEMENT

This Agreement regarding Town Of Fairfield - Dept 001 Jennings School Municipal Energy Opportunities Standard Agreement Project #NunE ("Agreement") is entered into this 19 day of August, 2015 ("Effective Date") by and among The United Illuminating Company ("UI"), and NXEGEN, LLC.

WITNESSETH:

WHEREAS, the Town Of Fairfield - Dept 001 Jennings School ("Customer") entered into a certain Municipal Energy Opportunities Standard Agreement with UI with an effective date of 08/19/2015 ("MEO Agreement"), which MEO Agreement is attached hereto as Exhibit 1 and incorporated herein by reference; and

WHEREAS, the MEO Agreement governs the Customer's participation in the Municipal Energy Opportunities program ("Program") and certain energy efficient retrofits ("Retrofits") to a certain building located at PALM DR 10 : FAIRFIELD, CT (the "Facility" as defined in the MEO Agreement) to be performed by NXEGEN, LLC (or "Installing Vendor" as defined in the Agreement); and

WHEREAS, the MEO Agreement (along with its attachments and exhibits including a Financial Agreement Addendum) sets forth (i) a total project cost of \$ 11,214.00 ("Total Project Cost"), (ii) an incentive of \$ 3,654.00 ("Incentive") and (iii) a balance of \$ 7,660.00 ("Balance"); and

WHEREAS, pursuant to the MEO Agreement, the Balance is to be repaid by Customer via monthly payments of \$ 157.50 on Customer's UI electric service bills for a period of Forty Eight (48) months; and

WHEREAS, the Program and MEO Agreement contemplates that the Customer will (i) receive a payment from UI in an amount equal to the Total Project Cost (ii) pay the Installing Vendor the Total Project Cost and (iii) make the monthly payments as set forth in the MEO Agreement until the Balance is paid in full; and

WHEREAS, the Customer is solely responsible for securing an installing vendor and paying the Installing Vendor in connection with its Program project; and

WHEREAS, the Customer has requested that UI pay the Total Project Cost directly to the Installing Vendor.

NOW, THEREFORE, in consideration of the premises and the mutual covenants contained herein, Customer, UI and Installing Vendor agree as follows:

1. Payment of Total Project Cost. Subject to the terms and conditions contained in this letter agreement, UI agrees to pay the Total Project Cost directly to the Installing Vendor.
2. Payment of Balance. Customer agrees to pay to UI an amount equal to the Balance, which Balance will be paid to UI monthly as part of Customer's UI electric service bill over a period of Forty Eight (48) and in monthly payment amounts of \$ 157.50.



Connecticut
Light & Power
A United Illuminating Company



The United Illuminating Company



MEO Project # NunE Agreement Printed 08/19/2015 03:00:04 PM

ENERGY OPPORTUNITIES

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Municipal Energy Opportunities Standard Agreement

3. **Relationship of Parties.** The Parties acknowledge and agree that (i) Customer has contracted Installing Vendor to perform the energy efficient retrofits, (ii) Installing Vendor is solely responsible for the installation of the energy retrofits at the Facility, (iii) in connection with the Program, the MEO Agreement, and this Agreement, UI's sole responsibility is as an administrator of the Connecticut Energy Efficiency Fund, (iv) neither Customer nor Installing Vendor shall hold UI responsible in any way for the Retrofits at the Facility in connection with the Program and MEO Agreement, including but not limited to their installation, operation and maintenance, and (v) Installing Vendor agrees to indemnify, defend and hold UI, its affiliates, successors, assignees and each of its and their shareholders, directors, officers, employees and agents harmless from and against any and all suits, claims, and proceedings resulting in liabilities, damages, costs, losses and expenses, including court costs and reasonable attorneys' fees, which arise out of or relate to the Installing Vendor's installation of the Retrofits at the Facility.

4. **MEO Agreement.** Except as expressly modified herein, all of the terms and conditions contained in the MEO Agreement remain in full force and effect.

IN WITNESS WHEREOF, UI, Customer and Installing Vendor have each caused this Agreement to be executed in its name by one of its officers thereunto duly authorized as of the Effective Date.

CUSTOMER:

By:
(print)

Name:
(sign)

Title:

Date:

INSTALLING VENDOR: NXEGEN, LLC

By:
(print)

Name:
(sign)

Title:

Date:

THE UNITED ILLUMINATING COMPANY:

By: Gary Pattavina

Title: Energy Engineer

Date: 08/19/2015

energize CT
CONNECTICUT

Empowering you to make
smart energy choices



Connecticut
Energy Efficiency Fund



UI
The United Illuminating Company



MEO Project # NunE Agreement Printed 08/18/2015 03:00:04 PM

ENERGY OPPORTUNITIES

1-877-WISE USE

Financial Agreement Addendum

This Financial Agreement which forms part of the Municipal Energy Opportunities Standard Agreement and is effective as of the date signed by all parties below (the "Effective Date") is entered into by and between The United Illuminating Company ("UI") and Town Of Fairfield - Dept 001 Jennings School (the "Customer"), pertaining to the building to be retrofitted at PALM DR 10 ; FAIRFIELD, CT (the "Facility"), Municipal Energy Opportunities Project # NunE.

The Customer agrees that UI makes no warranties, expressed or implied, regarding the serviceability of any products installed or purchased in connection with the Facility retrofit. The Customer also agrees that it is solely responsible for selecting and contracting with the contractor who will be performing the Facility retrofit, which contractor is identified below ("Contractor"). The Customer and Contractor (as evidenced by Contractor's signature below) each agree to indemnify and hold harmless UI and its officers, directors, employees or affiliates thereof, from any damages, fines, settlements or judgments which directly arise from or are caused by the wrongful, or negligent acts or omissions of any party in the conduct or performance of the Facility retrofit by the Contractor. The Customer shall specifically indemnify and hold harmless, UI with respect to all work contracted for between the Customer and the Contractor, and from any damages, fines, settlements or judgments which directly arise from or are caused by the acts or omissions of the Contractor.

The Customer understands and agrees that UI will not be responsible for any tax liability imposed on the Customer as a result of its participation in the Energy Opportunities program. Customer/Vendor must supply its Federal Tax Identification Numbers or Social Security Number as they are required for distribution of UI Incentives. UI will issue a 1099 form to each non-incorporated customer receiving an aggregate incentive payment in excess of \$600.00 in any calendar year.

Customer hereby requests that UI assist financially in connection with the installation work described in Schedule A of the Municipal Energy Opportunities Standard Agreement, at the service address listed below, pursuant to UI's terms and conditions applicable to the Energy Opportunities program. UI and the Customer agree that, in addition to any and all other terms and conditions of the Energy Opportunities program, upon the Customer or Contractor confirming completion of the installation work, and UI's post installation inspection and project verification as well as Customer's execution of an acknowledgement in the form attached hereto as Exhibit 2, UI will issue a check for all amounts approved by UI. The Customer shall be responsible for amounts, if any, in excess of amounts approved by UI and will pay such amounts directly to Contractor.

The Customer also agrees to pay UI the balance of the project cost or the pre-determined total amount as detailed below. The monthly payments will be included by UI on the Customer's regular electric service bill, and the first payment will be due on the first billing cycle following the processing of this agreement. In the event this account is finalized due to selling or closing the facility, the Customer will be required to pay the unpaid balance of this financing agreement within 30 days. By my signature below, I certify that I have read, understood and agree to the terms of this agreement.



MEO Project # NunE Agreement Printed 08/19/2015 03:00:04 PM

ENERGY OPPORTUNITIES

1-877-WISE UISE

Financial Agreement Addendum

\$ 11,214.00	\$ 3,654.00	\$.00	\$ 7,560.00	\$ 157.50	48
Total Cost	Incentive	Co-Pay	Balance	Monthly Pymt.	Term

Please Note: On the initial bill only, the total balance amount will be displayed with an equal amount as a credit. This is for accounting purposes only.

06-6009803

Federal Tax ID or Social Security #, Customer

100000225914

Contract Account #, Customer

Town Of Fairfield - Dept 001 Jennings School

Account Name, Customer

Sal Morabito

Contact, Customer

10 PALM DR ; FAIRFIELD, CT 06825

Service Address, Customer

20-3850313

Federal Tax ID or Social Security #, Contractor

NXEGEN, LLC

Name, Contractor

JACK KIRSCHBAUM

Contact, Contractor

John Muro

Signature, Contractor

362 INDUSTRIAL PARK RD SUITE 7 ; MIDDLETOWN, CT 06457

Address, Contractor

8/24/2015

(Date)

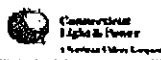
(Customer's Signature)

ACCEPTED: The United Illuminating Company

By

UI Administration

(Date)



MEO Project # Nue Agreement Printed 08/19/2015 03:00:04 PM

ENERGY OPPORTUNITIES

1-877-WISE USE

Municipal Energy Opportunities Standard Agreement

EXHIBIT 2

Reference is made to that certain Municipal Energy Opportunities Standard Agreement entered into by and between The United Illuminating Company ("UI") and the Town Of Fairfield - Dept 001 Jennings School ("Customer") as of "Effective Date" of the Municipal Energy Opportunities Standard Agreement project# NunE. Customer hereby acknowledges and agrees that:

1. The ECMs (as defined in the MEO Agreement) installed by Installing Vendor (as defined in the MEO Agreement) were installed to the satisfaction of the Customer and are hereby accepted in all respects by the Customer; and
2. UI is authorized to release the Total Project Cost (as defined in Exhibit 1 of the MEO Agreement) to the Installing Vendor.

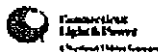
Town Of Fairfield - Dept 001 Jennings School

By: _____

*

After INSTAL
is completed

Its: _____
Authorized Representative



MEO Project # NunE Agreement Printed 08/19/2015 03:00:04 PM

EO Incentive Application Worksheet - Schedule A

Facility Name: <u>Town Of Fairfield - Dept 001</u>	Phone: <u>(203)255-7363/</u>
Service Address: <u>Palm Dr 10</u>	Facility Use: _____
City: <u>Fairfield</u> Zip: <u>06825</u>	Square Footage: <u>1,00</u>
Contact Person: <u>Morabito, Sal</u>	EO Rep: <u>Pattavina, Gary</u>
Federal Tax I.D. No: <u>06-6009803</u>	EO Project No: <u>NunE</u>

Custom Measure	Quantity	Cost(\$)	kWh Usage Change	Savings(\$)
----------------	----------	----------	------------------	-------------

Location: Location 1

SEE ATTACHED LIGHTING SCHEDULE	1	\$11,214	-12,181	\$2,010
--------------------------------	---	----------	---------	---------

Custom Measure total:

\$11,214 -12,181 \$2,010

Mandatory Cap	Quantity	Cost(\$)	kWh Usage Change	Savings(\$)
---------------	----------	----------	------------------	-------------

Location: Project/taxid Level

Mandatory Cap Adj.	1	\$0	0	\$0
--------------------	---	-----	---	-----

Mandatory Cap Adjustment

\$0 0 \$0

Customer Application & Analysis -

In addition to the terms and conditions contained in UI's Standard Agreement and Schedule A, UI may require a thorough analysis of the demand and energy reduction potential, and the life expectancy of proposed Energy Conservation Measures (ECMs). UI may require the Customer to provide specifications, engineering data, or other reasonable information necessary to complete an independent analysis. UI reserves the right to accept, reject or modify any calculations based on UI's own analysis including but not limited to the incremental cost of energy or demand savings, actual energy savings, life of the ECM, and the cost of the ECM. UI's approved and unsigned proposal will remain valid for thirty (30) days. If proposal is not accepted during this period, account re-qualification will be required. UI will approve only those site-specific ECM's which it believes have cost effective energy and demand reduction potential. In any case, UI reserves sole discretion to approve or disapprove any proposed ECM.

Program Changes -

The Program's Terms and Conditions may be changed by UI at any time without notice. Pre-approved applications however will be processed to completion under the Terms and Conditions in effect at the time of UI pre-approval.

EO Incentive Application Worksheet - Schedule A

Summary Page of EO Schedule A of project NunE as of 08/19/2015 02:47:32

Facility Name:	<u>Town Of Fairfield - Dept 001</u>	Phone:	<u>(203)255-7363/</u>
Service Address:	<u>Palm Dr 10</u>	Facility Use:	<u></u>
City:	<u>Fairfield</u>	Zip:	<u>06825</u>
		Square Footage:	<u>1,,00</u>
Contact Person:	<u>Morabito, Sal</u>	EO Rep:	<u>Pattavina, Gary</u>
Federal Tax I.D. No:	<u>06-6009803</u>	EO Project No:	<u>NunE</u>

TOTAL COST: **\$11,214**

TOTAL SAVINGS: **\$2,010**

TOTAL INCENTIVES: **\$3,654**

MONTHLY PAYMENT: **48 @ \$157.50**

Customer or Customer's agent name (print): _____

Customer or Customer's agent Signature: X _____

Title: _____ Date: _____

I authorize UI to Issue the incentive check, for the above amount, to

NXGEN, LLC

(the installing contractor, facility owner or other).

X _____
Customer or Customer's agent Signature Date



1-866-NXEGEN / 1 (693-4361)

www.nxegen.com

Jennings School

August 24, 2015

Lighting Improvement Analysis

Nxegen Recommended Solutions



362 Industrial Park Rd. Ste 7 Middletown, CT 06457

INITIAL PROPOSAL FOR:

DATE: September 15, 2015

NAME: Jennings School
ADDRESS: 10 Palm Drive
Fairfield, CT 06825
CONTACT: Sal Morabito
PHONE: (203) 255-7363

The following is a summary of proposed retrofit work.

End use: Energy Efficient Lighting

Estimated annual energy savings (KWH):	12,063
Estimated electric cost savings:	\$1,990.41
Estimated payback period (After incentive in years):	3.80
Return on investment (ROI)	26.3%
<u>Customer Cost Summary:</u>	
Material/Labor:	\$11,214.00
Sales tax (exempt):	\$0.00
Total project cost:	\$11,214.00
**Estimated Utility Incentive:	\$3,654.00
Customer balance:	\$7,560.00
Estimated monthly savings:	\$165.87
Payment due prior to installation:	\$3,780.00
Payment due upon completion of project:	\$3,780.00

**This is an estimate. Final incentive needs to be approved by United Illuminating (UI).

The lighting estimates described above are based on a review of a sample of lighting fixtures in your facility. For all measures, operating hour estimates provided by representatives of your facility are used to calculate savings. All existing lighting fixtures are assumed to be fully operational. Conditions found during the installation phase may require revisions to the proposed estimates. Changes in processes, operations, equipment or operating hours will impact the savings estimates.

The documentation for this agreement consists of this agreement and the line by line assessment of your facility.

Based on the current Scope of Work, the project is currently under a four-year payback and is contingent on receiving 0% financing through United Illuminating (UI). Provided the project is approved for financing, there will be no out-of-pocket expense for Fairfield Public School. By signing of this document, Nxegen will request incentive and financing from United Illuminating (UI) on behalf of Fairfield Public School.

This agreement shall be valid for 30 days and may be rendered void if not signed by October 30, 2015

I have read this document and reviewed the assessment report. I understand that the values described above are estimates and that actual results may vary.

Customer Signature

Date



Jennings School

Total Cost of Labor & Materials	\$	11,214.00
Sales Tax		
Total Cost	\$	11,214.00
Estimated Utility Rebate	\$	3,654.00
Net Cost	\$	7,560.00

Total Existing Wattage	5,079	Annual kWh Existing	16,796
Total Proposed Wattage	1,437	Annual kWh Proposed	4,733
Savings kWh			12,063
Savings Dollars			\$ 1,990.41

Annual Hours	Varies Per Area
kWh Rate	\$ 0.1650

Payback	3.80
----------------	-------------

Audit Location	Area	Existing Fixture Type	Watts/ Fixture Before	Total Existing Wattage	Existing Fixture Qty	Annual Hours Before	Annual kWh Before	New or Retrofit (N or R)	Fixture Qty After	Proposed Fixture Type	Watts/ Fixture After	Total Proposed Wattage	Annual Hours After	Annual kWh After	kWh Saved
Entry	1	60W A-Lamp	60	120	2	3,970	476 N		2	LED A19	10	20	3,970	79	397
entry	2	60W A-Lamp	60	120	2	3,970	476 N		2	LED A19	10	20	3,970	79	397
Exterior															
Entry	3	100w MH	125	250	2	3,274	819 N		2	LED Canopy	22	44	3,274	144	674
Entry	4	2L 75W A-Lamp	150	300	2	3,274	982 N		2	LED Canopy	22	22	3,274	72	910
Front	5	70W HPS	81	81	1	3,274	265 N		1	LED Canopy	22	22	3,274	72	193
Front	6	70W HPS	81	81	1	3,274	265 N		1	LED Wall Pack	28	28	3,274	92	174
Front	7	250w MH	275	275	1	3,274	900 N		1	LED Wall Pack	65	65	3,274	213	688
right rear	8	70W HPS	81	162	2	3,274	530 N		2	LED Wall Pack	14	28	3,274	92	439
right rear	9	70W HPS	81	81	1	3,274	265 N		1	LED Wall Pack	28	28	3,274	92	174
Rear Entry	10	70W HPS	81	81	1	3,274	265 N		1	LED Canopy	22	22	3,274	72	193
Rear Entry	11	75W A-Lamp	75	150	2	3,274	491 N		2	LED A21	20	40	3,274	131	360
left rear	12	70W HPS	81	162	2	3,274	530 N		2	LED Wall Pack	28	56	3,274	183	347
right rear	13	70W HPS	81	81	1	3,274	265 N		1	LED Wall Pack	28	28	3,274	92	174
right rear	14	100w MH	125	375	3	3,274	1,228 N		3	LED Pole Light	84	84	3,274	275	953
Parking Lots	15	400W MH	460	2,760	6	3,274	9,036 N		6	LED Flood	155	930	3,274	3,045	5,991
				5,079	29		16,796		28			1,437		4,733	12,063

Total Fixtures Before	29
Existing Annual kWh	16,796
Total Fixtures After	28
Proposed Annual kWh	4,733
Annual kWh Saved	12,063



Carbon Footprint Report Card

Installation of the energy efficiency measures identified for this project will save an estimated **12,063** KWH per year.

THIS IS THE EQUIVALENT TO:

6,199 POUNDS OF COAL NOT BURNED

797 GALLONS OF OIL NOT BURNED

1 HOMES PROVIDED WITH ELECTRICITY EACH YEAR

By reducing greenhouse gas emissions and other harmful environmental pollutants, this project will also help reduce air pollution and improve air quality.

THE ENVIRONMENTAL BENEFITS FROM THIS PROJECT ARE:

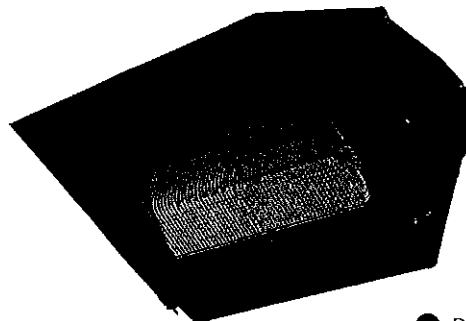
25 POUNDS OF SULFUR OXIDES (SO_x) EMISSIONS AVOIDED

7 POUNDS OF NITROGEN OXIDES (NO_x) EMISSIONS AVOIDED

13,258 POUNDS OF CARBON DIOXIDE (CO_x) EMISSIONS AVOIDED



Wallpack TWP



● Dark Bronze

- > Design Lights Consortium Certified
- > Uniform and consistent color
- > Aluminum die cast housing
- > Excellent thermal design
- > Dusk to Dawn sensor compatible
- > 15-30 foot height performance
- > Shatter-resistant glass
- > Universal Voltage 120-277V
- > Operating Temp: -30°F~130°F
- > Rated 50,000 hours average life

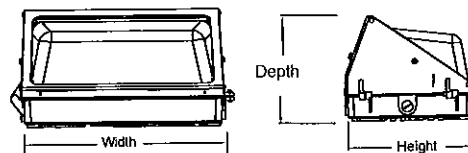
Applications

Security Lighting, Pathway Lighting, Perimeter Lighting, Entryway Lighting

LED Description	Equivalent Halogen	Life (hrs)	Savings in Energy Cost
40 Watt	100 Watt	10,000	\$330
60 Watt	150 Watt	10,000	\$495
90 Watt	250 Watt	10,000	\$880

Item	Description	Color Temp	Output Lumen	Wattage	CRI	Equiv Wattage	Beam Type	DLC
7086	LED-FXTWP40/40K/DB	4000K	3,025	40W	75	100W MH	Forward Throw	•
7087	LED-FXTWP40/50K/DB	5000K	3,025	40W	75	100W MH	Forward Throw	•
7088	LED-FXTWP60/40K/DB	4000K	4,593	60W	75	150W MH	Forward Throw	•
7089	LED-FXTWP60/50K/DB	5000K	4,596	60W	75	150W MH	Forward Throw	•
7138	LED-FXTWP90/40K/DB	4000K	6,125	90W	75	250W MH	Forward Throw	•
7139	LED-FXTWP90/50K/DB	5000K	6,550	90W	75	250W MH	Forward Throw	•

Dimension



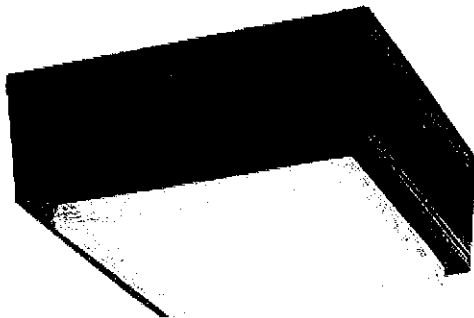
Description	Width (in/mm)	Depth(in/mm)	Height(in/mm)	Weight (lbs)	Package (Master)
40 Watt	14.27 / 363	9 / 230	7.4 / 188	9.50	1
60 Watt	18.22 / 463	9 / 230	9.5 / 239	16.00	1
90 Watt	18.22 / 463	9 / 230	9.5 / 239	18.60	1



• Contact Us

2000 S. Grove Ave, Bldg B
Ontario, CA 91761

tel: 909-930-6868 tel: 888-758-7443
fax: 909-930-9988 www.mynaturalLED.com



Low-profile vandal-resistant fixture covers the footprint of most traditional canopy lights. Available in flat or drop lens.

Color: Bronze

Weight: 12.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
120V: 0.30A
208V: 0.20A
240V: 0.17A
277V: 0.15A
Input Watts: 22W
Efficiency: 92%

LED Info

Watts: 20W
Color Temp: 5000K (Cool)
Color Accuracy: 74 CRI
L70 Lifespan: 100,000
Lumens: 2,352
Efficacy: 108 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

Electrical

Driver:

Class 2, Constant Current, 100-277V, 50-60Hz, 500mA

THD:

6.1% at 120V, 10.1% at 277V

Construction

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures.

Cold Weather Starting:

Minimum starting temperature is -40°F/-40°C

Housing:

Die-cast aluminum housing and lens frame with (4) 1/2" NPS side conduit entries and weatherproof rear wire plug and access plate

Mounting:

Ceiling mount to recessed junction with knockout template or directly to ceiling surface, utilizing side conduit entry points.

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Lens:

Vandal-resistant polycarbonate textured opaque for low glare drop lens

Reflector:

Semi-specular, vacuum-metalized polycarbonate

Gaskets:

High-temperature silicone gaskets

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

LED Characteristics

LEDs:

Discreet LEDs on PCB board

Color Stability:

RAB LEDs exceed industry standards for chromatic stability.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Other

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

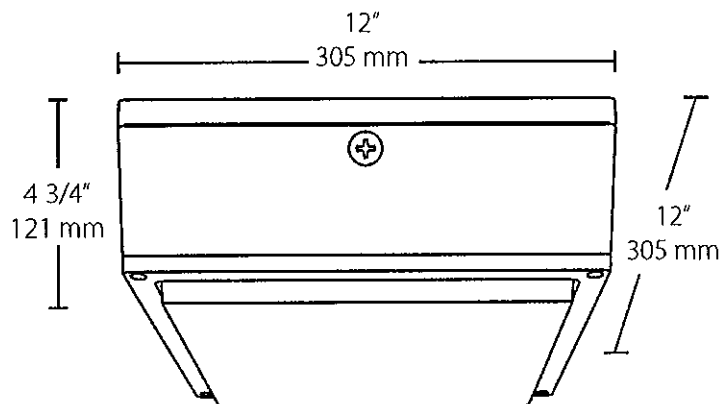
California Title 24:

See VANLED20/PCS, VANLED20/PCS2 or VANLED20MS for a 2013 California Title 24 compliant model.

Replacement:

The VANLED 20W replaces up to 70W Metal Halide.

Dimensions



Features

- Fits the footprint of older canopy lights
- Vandal resistant and UV resistant lens
- Ultra-high efficiency
- Clean, contemporary, low-profile design
- Available with drop lens or flat lens
- IP66 rated, keeps dust, bugs and water out
- Photo and motion sensor options available

Ordering Matrix

Family	Watts	Color Temp	Lens	Finish	Voltage	Dimming
VANLED						
	10 = 10W	= Cool	= Drop lens	= Bronze	= 120-277V	= No Dimming
	20 = 20W	Y = Warm	F = Flat lens	W = White	/480 = 480V (10W & 20W not available)	/D10 = Dimmable (10W & 20W not available)
	40 = 40W	N = Neutral				
	52 = 52W					
	65 = 65W					
	75 = 75W					

ENERGY OPPORTUNITIES

1-877-WISE USE

Municipal Energy Opportunities Standard Agreement

This Agreement is entered into by and between The United Illuminating Company ("UI") and

Town Of Fairfield - Dept 001 ("Customer"), pertaining to the building to be retrofitted at

PUTTING GREEN RD 17 : FAIRFIELD, CT (the "Facility"), MEO Project # NvoR, by

AMERICAN SOLAR & ALTERNATIVE POWER LLC (the "Installing Vendor"). The Effective Date of this Agreement is the date that this Agreement is signed by both Customer and UI, subject to Section 5(b)(i) hereof.

BASIC UNDERSTANDINGS

UI has a conservation program called Energy Opportunities which is designed for projects which "retrofit" existing systems with energy efficient alternatives. UI offers to pay incentives to eligible Customers who retrofit existing systems with energy efficient measures (each an "Individual Measure" and collectively, the "Measures") in the Customers' facilities. This Agreement provides the terms and conditions for payment of Standard Incentives and any applicable Bonus Incentives by UI to a Customer under the Energy Opportunities program. Customer expressly represents and warrants that the execution, delivery and performance by Customer of this Agreement are within such Customer's powers and have been duly authorized by all necessary action on the part of the Municipality (or any other person or entity, as applicable). This Agreement constitutes a valid and binding agreement of the Customer, enforceable against such Customer in accordance with its terms. Customer further acknowledges and agrees that it has selected the Installing Vendor and has and will continue to be solely responsible for such selection, which selection was in accordance with any and all legal, governmental or regulatory rules and requirements (whether federal, state, municipal or otherwise) applicable to Customer. Any payments (if any) made by UI to Installing Vendor in connection with Installing Vendor's installation of ECMs hereunder at the Facility and pursuant to Customer's direction as provided for herein, are made by UI solely in its role as administrator of conservation and load management programs approved by the Connecticut Public Utilities Regulatory Authority. UI assumes no responsibility or liability whatsoever with respect to Customer's selection of the Installing Vendor, the Installing Vendor's installation of the ECMs for Customer, and/or any agreement that Installing Vendor and Customer may have entered into in connection with such installation.

1. CUSTOMER ELIGIBILITY

Any municipality that is a retail end use UI customer is eligible to participate in the Energy Opportunities program.

2. INCENTIVES

- Subject to the terms and conditions contained herein, UI will pay incentives to Customers for the installation of Energy Conservation Measures (ECMs) as specified in the attached Schedule A, incorporated herein by reference.
- ECMs are those conservation measures that are consistent with UI's desire to achieve energy conservation and load management, and that are approved by UI in advance and in its sole discretion as set forth herein.
- Customer understands and agrees that incentive schedules for which Customer may be eligible vary based upon the classification of customers.
- ECMs are not eligible for incentives from the Energy Opportunities program if the Customer has received incentives for that specific ECM under any other UI incentive program.

3. PRE-APPROVAL & PRE-INSTALLATION SURVEY

- Among other conditions for receipt of incentives hereunder, UI is not bound to pay any incentive to Customer hereunder unless UI pre-approves in its sole discretion each ECM that has been proposed by the Customer and/ or (as determined by UI) completes a satisfactory pre-installation survey of the Customer's Facility.
- UI reserves the right, in its sole discretion, to approve or dis-approve any proposed ECM. Any failure to approve any and all ECMs shall not under any circumstances constitute approval by UI of such ECMs.
- Among other conditions for receipt of incentives hereunder, UI is not bound to pay any incentives unless the Customer commits to installing the ECM(s) evidenced by its execution and delivery of this Agreement, including Schedule A and complying with all of the terms and conditions contained in this Agreement including but not limited to the timeframe described in Paragraph 5, section b.



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A National Values Company



The United Illuminating Company



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Municipal Energy Opportunities Standard Agreement

4. CUSTOMER APPLICATION & ANALYSIS

- a. The Customer agrees to comply with the steps outlined in Paragraph 5, section b.
- b. In addition to the execution and delivery of this Agreement, including Schedule A, UI may in its sole discretion, require Customer to perform or cause to be performed a thorough analysis of the demand and energy reduction potential and life expectancy of the proposed ECMs ("Analysis"). In some cases, UI may require, in its sole discretion, that a licensed or certified energy professional or engineer prepare this Analysis. Customer shall provide to UI specifications, engineering data or other reasonable information necessary for the completion of such Analysis of the proposed ECM.
- c. UI will review the Customer's Application and Analysis (if applicable) to determine the potential for reducing energy consumption at the Facility via the ECMs. UI reserves the right, in its sole discretion to accept, reject, or modify any calculations set forth in the Application and Analysis (if applicable) based on UI's own analysis of the ECMs, including but not limited to the incremental cost of energy and demand savings, actual energy savings, life expectancy of the ECM, and the cost of the ECM.
- d. UI reserves the right to approve only those site-specific ECMs that UI believes have cost effective energy reduction potential. In any case, UI reserves sole discretion to approve or disapprove each proposed ECM in its sole discretion.

5. CANCELLATION

- a. Customer may cancel this Agreement at any time by providing UI with written notice of the same.
- b. UI may cancel this Agreement immediately without notice to the Customer if any of the following conditions exist:
 - i. the Customer fails to sign the Standard Agreement and Schedule A within 30 Business days of UI's approval date. For the sake of clarity, any Standard Agreement signed by Customer after such 30 Business Days shall automatically be void and of no force and effect;
 - ii. the Customer fails to initiate installation or construction of the project within 60 Business days of UI's approval date;
 - iii. the Customer has not submitted to UI a written explanation, acceptable to UI in its sole discretion outlining the reasons why the initiation of the construction process has not begun within 60 Business Days of the approval date. These situations will be subject to UI review on an individual basis;
 - iv. the Customer fails to complete the installation of the ECMs within 10 months of UI's approval date;
 - v. the Customer has not submitted an acceptable written explanation outlining the reasons why the construction process has not been completed within 10 months of the approval date. These situations will be subject to UI review on an individual basis.
- c. Upon cancellation of this Agreement by either Party, Customer will reimburse UI within 30 Business Days for any and all payments made by UI to Customer under this Agreement.
- d. If Customer does not install all of the ECMs listed in Schedule A, UI may, in its sole discretion, adjust the incentives for which the Customer is eligible according to the criteria and participation requirements of the Energy Opportunities program.

6. POST-INSTALLATION VERIFICATION

- a. UI will pay incentives to Customer only after UI has performed to its sole satisfaction a post-installation inspection of the Facility and the ECMs. In addition to the foregoing, no incentive payment shall be made by UI to Customer or installing Vendor (as the case may be) until Customer has executed an acknowledgement in the form attached hereto as Exhibit 2.
- b. If as a result of UI's post-installation inspection, UI determines that the ECMs installed at the Facility were not installed in a manner that is consistent with the purpose of achieving energy savings, the Customer shall make modifications as determined to be necessary by UI in order to ensure achievement of energy savings. A failure by Customer to promptly perform such modifications will result in Customer forfeiture of any incentives for which it is eligible.
- c. If as a result of UI's post-installation inspection, UI determines that the operation of any equipment installed in connection with Customer's participation in the Energy Opportunities program is not consistent with generally accepted industry standards and practices, including, where applicable, state or federal building code mandates, environmental regulations, and current standards published or otherwise recognized by the American Society of Heating, Refrigeration, and Air Conditioning Engineers ("ASHRAE") for the operation of Heating, Ventilation, and Air Conditioning ("HVAC") units, Customer shall make modifications as determined to be necessary by UI to ensure compliance with such applicable standard(s). A failure by Customer to promptly perform such modifications will result in Customer forfeiture of any incentives for which it is eligible.

7. MONITORING & VERIFICATION

- a. UI reserves the right to continue to monitor any or all proposed and installed ECMs for the purpose of determining the actual value of energy reduction.

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Empowering you to make
smarter energy choices



Connecticut
Light & Power
a National Energy Company



The United Illuminating Company



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Municipal Energy Opportunities Standard Agreement

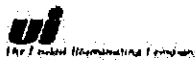
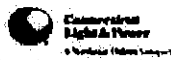
- b. Customer agrees to grant UI access at all reasonable times to the Facility for the purpose of examining and monitoring proposed and installed ECMs. The results of this monitoring will not affect any payments already received by Customer hereunder, except for such payments that are required to be reimbursed by Customer pursuant to the terms and conditions contained in this Agreement.
- c. Customer understands and agrees that UI reserves the right to decrease any unpaid Incentive amounts for which Customer is eligible hereunder if, based on the results of UI's on-site monitoring and verification, UI determines in its sole discretion that less than the proposed ECM savings are likely to result via the ECMs.

B. INCENTIVE AMOUNTS

- a. Any incentive amounts requested by Customer in connection with this program may be reduced by UI in its sole discretion and only incentive levels approved by UI in connection with this Agreement are eligible to be earned by Customer.
- b. UI reserves the right to modify any program incentives for which Customer is eligible hereunder and the incentive structure at anytime and without any prior notices to Customer.
- c. In the event that, following execution and delivery of this Agreement, the program is modified or cancelled for any reason, this Agreement will continue in effect pursuant to all of its terms and conditions.
- d. The dollar amount of the incentive available to Customer pursuant to this Agreement is calculated by UI based on UI's understanding of the total project cost of the installation of the ECMs at Customer's Facility ("UI Total Project Cost") as supplied by Customer or the Installing Vendor. In the event that the actual project cost is lower than the UI Total Project Cost for any reason, including but not limited to the availability of any and all state, federal or local tax rebates that may be applicable to the Customer's installation of the ECMs at the Facility, and/or any and all rebates, incentives, credits or adjustments of any nature that Installing Vendor provides to Customer and which lowers the UI Total Project Cost, then Customer shall promptly provide UI with written notice of the same and UI reserves the right, in its sole discretion, to recalculate the dollar amount of the incentive available to Customer under this Agreement based on the actual project costs and such recalculated incentive amount shall be the incentive available to Customer under this Agreement. In the event that UI has already provided Customer with an incentive payment based on the UI Total Project Cost prior to UI's receipt of notice from Customer of an actual project cost that is lower than the UI Total Project Cost, UI may require Customer to refund the difference between the incentive paid by UI to Customer and the incentive that results from UI's incentive recalculation based on the actual project cost. Any such refund shall be made by Customer within thirty (30) days after written demand of the same from UI.

9. COMPREHENSIVE PROJECTS

- a. Comprehensive projects may be eligible for bonus incentives only if specific funding is available and approved.
- b. Comprehensive projects may include energy savings from other fuel sources. However the value of the incentive will be based entirely on the electric energy savings components.
- c. Projects are considered comprehensive if they consist of two (2) or more end uses and at least one (1) measure per end use. Projects consisting of multiple measures per end use are eligible provided that the project consists of at least 2 end uses and meet the criteria in Paragraph 9 (d, e) below.
- d. No one end use can have 85% or more of the value of the project's energy savings or peak summer demand reduction.
- e. The remaining enduse(s) must account for at least 15% of the value of the project's energy savings or peak summer demand reduction (based on the cumulative total of the remaining enduse(s)).
- f. Each Measure will be reviewed independently to determine the applicability of the EO program incentives based on the Energy Opportunities Incentive guidelines.
- g. If the project is modified to where the project does not meet the comprehensive criteria then the incentive is calculated on the individual merits of the Measures due to scope changes and/or measures.
- h. The project must have all Measures installed within a reasonable time frame to receive the comprehensive Incentive. A reasonable timeframe is defined in Paragraph 5(b) above. UI reserves the right to modify the definition of a "reasonable time frame" based on the project. In the event, the scope of the project changes, the incentive amount will be calculated on the merits of the remaining individual measures.
- i. Projects will be reviewed on a case-by-case basis



ENERGY OPPORTUNITIES

1-877-WISE USE

Municipal Energy Opportunities Standard Agreement

10. MULTIPLE FUEL or NON-ELECTRIC ECMs

UI reserves the right in its sole discretion (but in no event is obligated) to pay incentives for any energy saving non-electric ECM.

11. ECM INSTALLATION COST

- a. Customer shall supply UI with copies of all appropriate paperwork that documents that the construction or installation process has been initiated (such as a purchase order, bid document, contract etc. and any other documentation as requested by UI).
- b. Customer shall supply UI with copies of all paid invoices (including all materials, labor, and equipment discounts) reflecting the actual costs of design engineering, purchasing, and installing the ECMs, along with costs for demolition and disposal of materials. UI may also request and Customer shall supply UI with other reasonable documentation or verification of the Customer's actual cost for purchasing and installing the ECM. Incentives are applicable to and available with respect to incentives for ECM installation costs only those ECMs that are actually installed and Customer is eligible for incentives for ECM installation costs only to the extent that the costs are deemed reasonable by UI in its sole discretion. Costs for financing, extra equipment, spare parts, inventoried items, painting, and any other non-installed materials are not eligible for UI reimbursement under this Agreement.

12. PAYMENT

- a. Incentive payments will be made by UI within 60 days after UI has completed a post-installation verification of ECM installations and the actual costs thereof to its sole satisfaction. UI may also arrange with Customer to make incentive payments in installments. In addition to the foregoing, no incentive payment shall be made by UI to Customer or Installing Vendor (as the case may be) until Customer has executed an acknowledgement in the form attached hereto as Exhibit 2.
- b. If Customer has an established UI account, it may request that the incentive amount applicable to it under this Agreement be paid in the form of a credit to the Customer's electric bill by designating the method of payment on the Schedule A at the time of entering into this Agreement.
- c. The Customer understands and acknowledges that UI shall pay the incentives from the Energy Conservation and Load Management Fund ("C&LM Fund"). In the event that all or any part of UI's C&LM Fund is designated by legislative or regulatory action for purposes other than implementation of UI's C&LM programs, and UI determines that the C&LM Fund is insufficient to cover the cost of such programs, UI shall have no obligation to pay any incentives hereunder and shall have no further liability to the customer. Customer shall not hold UI liable in any way and shall hereby hold UI harmless from and against any and all liabilities, costs or damages incurred by Customer in the event of a program funding reduction or elimination, including but not limited to the insufficiency of the C&LM Fund to cover the cost of C&LM programs as determined by UI.

13. PERFORMANCE CONTRACTING

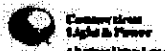
If the ECMs are being installed by a third party under a performance contract arrangement, UI reserves the right to determine the cost of purchasing and installing the ECMs as the costs actually incurred by the third party or in UI's sole discretion based upon UI's experiences with similar ECMs in other Customers' facilities.

14. FINANCING OPTION

- a. Third party financing for the ECMs to be installed at Customer's Facility pursuant to this Agreement may be available to Customer from a UI designated third party financing provider ("TPFP") provided that Customer's project meets (among other requirements) the following eligibility requirements:
 - (i) The project has a Simple Payback Period greater than 1.5 years but less than 7 years. Simple Payback Period means the total cost of the project divided by the estimated annual energy savings of the project through its first year of operation.
 - (ii) The project is eligible for inclusion in UI's Energy Opportunities program.
 - (iii) The project does not participate in other financing options under Connecticut Energy Efficiency Funds (CEEF) programs administered by UI, specifically the Municipal loan with on-bill repayment.
 - (iv) The project is not a federal government or agency project.
 - (v) The project includes only equipment retrofits (i.e., it does not involve new construction or major renovation).
 - (vi) The Customer is an existing business which has been in operation for three (3) years and qualifies through the TPFP's business credit review
- b. Customer acknowledges and agrees that, in addition to the foregoing project eligibility requirements, Customer must apply to the TPFP in order to secure financing by the TPFP for its project (as described herein). The decision by the TPFP to provide (or not provide) financing to Customer in connection with its project is at the sole discretion of the TPFP and Customer acknowledges and agrees that UI is not responsible in any way for any decision by the TPFP to provide, or not to provide,

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financing for Customer's project. In addition to the foregoing, any and all financing transactions as between the TFPF and Customer in connection with the project are solely as between such parties. UI is not responsible in any way for any and all decisions, acts or omissions of the TFPF in connection with any and all financing transactions as between the TFPF and Customer in connection with Customer's project. Customer hereby agrees to indemnify, defend, and hold harmless, UI, from any and all claims, actions, costs, expense, damages, and liabilities, including reasonable attorney's fees, resulting from or arising out of Customer's decision to seek financing for its project from the TFPF, including but not limited to any and all action or inaction of the TFPF related to the same.

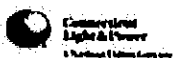
- c. In the event that Customer receives financing from the TFPF as contemplated and provided for herein, UI may, in its sole discretion, provide an "interest rate buy down" in connection with such TFPF financing. An "interest rate buy down" means an upfront payment provided by UI (through use of CEEF funds) to the TFPF in order to lower the interest rate paid by Customer to the TFPF over time. An interest rate buy down is only available to Customer in connection with TFPF loans that are no less than \$2,000 and no greater than \$100,000. In the event that Customer (i) is eligible for and receives financing for its project from the TFPF pursuant to the TFPF's EO financing program and (ii) UI determines, in its sole discretion, that it will provide an interest rate buy down in connection with such TFPF financing for Customer's project, then Customer will receive 100% of the incentive calculated by UI for the Customer's project and a partial interest buy down or subsidy, which in turn determines the available interest for the project either 4.99%, 2.99%, or 0% loans respectively. The maximum term of TFPF loans for which Customer receives an interest rate buy down from UI shall be (i) the Net Simple Payback Period for the project plus one year or (ii) five years, whichever is less. Net Simple Payback Period is defined as (A) the total cost of Customer's project that is the subject of this Agreement minus the incentive calculated by UI for the project divided by (B) the estimated energy savings expected to be experienced by Customer as a result of the project (as calculated by UI).
- d. Customer may seek additional financing from the TFPF, typically up to a total amount of \$1,000,000. Any projects that exceed \$1,000,000 would be reviewed on a case by case basis. However, financed amounts greater than \$100,000 are not eligible for any interest rate buy down from the CEEF funds. Any financed amounts greater than \$100,000 will be subject to current market interest rates and will be determined by the TFPF.
- e. Customer may seek financing of its project from any third party financing entity provided, however, any interest buy down that the CEEF Fund and UI may provide with respect to Customer's project, if at all, shall only be applicable with respect to TFPF financing pursuant to the terms and conditions provided for herein.

15. ECM MAINTENANCE

- a. In order to maintain the estimated energy savings benefit derived by UI for ten (10) years from the date of installation of the applicable ECMs, Customer agrees to repair or replace the ECMs periodically, using energy saving equipment similar or superior to the equipment that was installed originally. If Customer's performance of this provision proves to be impossible or impracticable, Customer shall, within ten (10) days of its determination of its inability to perform, notify UI promptly of its inability to perform and in such an event, UI may, at its sole and full discretion, require Customer to promptly reimburse UI for a prorated portion of all incentives and installation cost reimbursement paid under this Agreement subject to interest charges set forth in Paragraph 15(c) below.
- b. If UI in its sole discretion deems it appropriate, to ensure the efficiency gained through incentives paid by in connection with this Agreement, UI may require the Customer to maintain a service contract with a vendor acceptable to UI for the term of this Agreement, or another term determined by UI to be applicable to the specific ECM installed.
- c. Neither Customer nor its agents, contractors, or subcontractors shall knowingly circumvent the net energy performance of ECMs or related systems installed pursuant to this Agreement. In the event of a breach of this provision, UI will require Customer to reimburse in full all of the incentives and installation cost reimbursement paid for these ECMs. All Customer reimbursements to UI will include interest accrued from the date of receipt of the incentive by the Customer, at the annual rate of eight percent (8%).

16. LIMITATION OF LIABILITY

UI shall not be liable to Customer for any damages in contract or tort or otherwise including negligence caused by any activities in connection with this Agreement or in connection with the retrofitting of the Facility, including without limitation the actions or omissions of any design professional or any employee, agent, contractor, subcontractor or consultant retained by UI. UI's liability under this Agreement shall be limited to paying the incentives specified for the ECMs but only as and if such incentives become payable to Customer and only to the extent that such incentives are not subject to repayment as provided for in this Agreement. In no case shall UI be liable to Customer for any special, indirect, consequential, incidental, punitive or exemplary damages of any kind, including but not limited to loss of use, lost profits, out of pocket expenses by statute, tort or contract, in equity under any indemnity provision or otherwise.



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ENERGY OPPORTUNITIES

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Municipal Energy Opportunities Standard Agreement

17. INDEMNIFICATION

Customer agrees to indemnify, defend and hold harmless, the UI, from any and all claims, actions, costs, expenses, damages, and liabilities including reasonable attorney's fees, resulting, from death or bodily injury or damage to real or personal property, to the extent caused by the negligence or misconduct of Customer's employees or other authorized agents in connection with Customer's activities within the scope of this Agreement, including, without limitation, claims arising from Customer's installation and/or maintenance of HVAC units in compliance with current standards for the performance of such units published or recognized by ASHRAE. Customer's duty to indemnify shall continue in full force and effect, notwithstanding the expiration or early termination hereof, with respect to any claims based on facts or conditions that occurred prior to the expiration or termination of this Agreement.

18. NO WARRANTIES

- a. Customer acknowledges and agrees that neither UI nor any of UI's employees or consultants are responsible for assuring that the design, analysis, engineering, and retrofitting of the Facility or installation of any or all of the individual ECMs or equipment is proper or complies with any particular laws, codes, or industry standards, including, without limitation, current standards published or otherwise recognized by ASHRAE for HVAC units.
- b. Customer understands and agrees that UI does not represent, warrant, or guarantee the product or service of any particular vendor, manufacturer, contractor, or subcontractor. Customer further understands and agrees that UI does not represent, warrant or guarantee the safety of the ECMs or that the installation of any ECMs pursuant to this Agreement will result in any level of energy savings or result in any measurable energy related benefit.

19. NO TAX LIABILITY

UI is not responsible for any tax liability imposed on the Customer or the Customer's authorized recipient as a result of the incentive payment.

20. LIMITED SCOPE OF REVIEW

UI's scope of review for purposes of this Agreement is limited to determining if the design and installation of the ECMs have met the program conditions. UI does not include any kind of safety or performance review of any equipment installed or serviced in connection with this Agreement or any planned or installed ECMs, including, without limitation, any compliance by HVAC units with current standards published or otherwise recognized by ASHRAE.

21. OBLIGATION TO INSTALL

This Agreement does not obligate Customer to install any of the ECMs that have been approved by UI. However, if Customer, subsequent to such approval, elects to install the ECMs, the terms and conditions of this Agreement shall govern the payment of incentives and the maintenance of the ECMs at the Facility.

22. PROGRAM CHANGES

UI reserves the right to cancel or change the Energy Opportunities program at any time without prior notice to Customer. Except as otherwise provided in this Agreement, all fully executed agreements that are in compliance with the terms and conditions contained herein will be processed to completion under the terms and conditions of the Energy Opportunities program in effect on the Effective Date.

23. PAYMENTS ASSIGNED TO CONTRACTORS

- a. UI Customers may designate in writing the Customer's Installing Vendor as the sole recipient of any incentives and/or installation cost reimbursements owed to Customer under this program. Customer's written designation shall also state that Customer acknowledges and agrees that it has no further claim or right, title or interest in and to any such incentives and / or installation reimbursements.
- b. In addition to the requirements set forth in Paragraph 23 (a) above, Customer must request the change in incentive / installation cost recipient by signing the designated area on Schedule A.
- c. In addition to the requirements set forth in Paragraph 23 (a) and (b) above, if Customer assigns the incentives and/or installation cost reimbursements to the Installing Vendor, Customer must supply or cause its designated recipient to supply UI with a Letter of Acknowledgement and a completed W-9 containing designated recipient's Federal Tax Identification number.
- d. In addition to the foregoing, prior to the release by UI of any incentive/installation cost reimbursement by UI to the Installing Vendor, Installing Vendor shall execute an acknowledgment in the form attached hereto as Exhibit 1 and Customer shall cause Installing Vendor to execute the same.

24. PUBLICITY OF CUSTOMER PARTICIPATION

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UI may, with Customer's consent, publicize Customer's participation in the program, the results of Customer's participation in the program, the value of incentives paid to Customer by UI under the program, and any other information relating to or in connection with Customer's participation in the program.

25. BALLAST & LAMP DISPOSAL

Customer agrees to comply with all laws and regulations promulgated by the State of CT Department of Environmental Protection and all other applicable laws, rules and regulations relating to the proper disposal of fluorescent lamps and PCB ballasts. The costs incurred by Customer in connection with the disposal of fluorescent lamps and PCB ballasts may be included in Customer's calculation of costs for installing the ECMs. Customer must provide to UI documentation acceptable to UI that verifies the proper disposal of all hazardous materials.

26. EXISTING and NEW SELF-GENERATION

The incentive amount paid by UI to Customer under this Agreement will be determined by UI based on UI's evaluation of the net benefit of the ECMs for which Customer is receiving an incentive to UI's customers as a whole ("Net Customer Benefit"). Accordingly, UI will establish and reserves the right to reduce the incentive amount in order to reflect the impact of Customer's existing self-generation or new self-generation installed after the Effective Date hereof (as the case may be) to reflect the impact of such self-generation on UI's Net Customer Benefit calculation. UI may require Customer to refund to UI all or a portion of the incentive amount paid to reflect the reduced Net Customer Benefit. Any interconnection of new self-generation to the utility grid must comply with UI's then current policies and standards governing such interconnections.

27. FORWARD CAPACITY MARKET PAYMENTS / CREDITS

By signing this document and as a condition to receiving an incentive pursuant to this program, Customer hereby assigns to UI any and all payments, benefits and/or credits in connection with the Forward Capacity Market or any currently existing or successor or replacement markets, (including, but not limited to, any and all "LICAP", "ICAP", transitional credits or payments or any and all other capacity-related credits, payments and/or benefits for which Customer is eligible) and that are associated with or applicable to Customer's participation in the Energy Opportunities Program. Customer hereby assigns to either UI all of its right, title and interest in and to any and all such capacity payments, credits and/or benefits and shall take any and all action, including executing and delivering any and all documents and/or instruments, as requested by UI to evidence the same. Forward Capacity Market means the market for procuring capacity pursuant to ISO-NE Tariff, FERC Electric Tariff No. 3, Section III, Market Rule 1, Section 13, any modifications to the Forward Capacity Market, or any successor or replacement market/capacity procurement process.

28. CLASS III CONSERVATION CREDITS

In accordance with the Department of Public Utility Controls ("DPUC's" now the Public Utilities Regulatory Authority or "PURA") September 29, 2008 decision in Docket No. 05-07-19RE01, DPUC Proceeding to Develop a New Distributed Resources Portfolio Standard (Class III) - 2007 Revisions (as supplemented by the DPUC's February 11, 2010 decision in Docket No. 05-07-19RE01), Customer is not eligible to receive or retain any Class III conservation credits in connection with the Energy Opportunities Program and Customer hereby acknowledges and agrees the same. Customer further acknowledges and agrees that such credits shall be retained by UI for the benefit of their customers through the Connecticut Energy Efficiency Fund. In the event that the DPUC amends or modifies the allocation of Class III conservation credits as reflected in its September 29, 2008 decision, then the allocation of such credits utilized by UI shall be the allocation in effect (per the applicable PURA decision) on the Effective Date.

29. MISCELLANEOUS

- a. The term of this Municipal Energy Opportunities Agreement will commence as of the Effective Date and continue for ten (10) years from date of the first payment made by UI to Customer pursuant to Paragraph 11 above unless sooner terminated as provided for herein.
- b. Customer understands that UI is willing to pay the Energy Opportunities incentives based on the long-term value of the energy reductions to UI.
- c. If at any time during the term of this Agreement, and during which time the Facility is occupied by the Customer, or any affiliate of the Customer, the operation of the Facility is modified so as to diminish the value of the energy efficient measures, UI may require reimbursement by Customer of all or a prorated percentage of the Energy Opportunities incentives and installation cost reimbursements paid by UI to Customer hereunder.
- d. Where Customer has installed or modified any HVAC unit in connection with Customer's participation in the Energy Opportunities Program, Customer shall, prior to UI's payment of an incentive, provide UI with a written statement confirming that such HVAC unit meets or exceeds the current standards for the operation of such HVAC unit as recognized by ASHRAE. Customer's failure to provide such written confirmation shall result in UI's withholding of any and all incentives for which Customer is eligible for hereunder until such failure is corrected.

energize CT
CONNECTICUT

Improving you to more
sustainable energy solutions



Connecticut
Light & Power
A National Energy Company



The Financial Guaranty Company



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Municipal Energy Opportunities Standard Agreement

- e. During the term of this Agreement, Customer will require any successor to its interest in the Facility during the term of this Agreement (whether direct or indirect, by sale of the Facility to a third party, by expiration or termination of Customer's lease of the Facility, or by purchase, merger or consolidation of Customer or all or substantially all of its assets by with or into a third party) by an agreement in form and substance satisfactory to UI, to assume and agree expressly to be bound by the provisions of this Agreement. Failure of Customer to obtain such agreement by the effectiveness of any such succession shall be a breach of this Agreement and shall entitle UI to reimbursement for all or a prorated percentage of the incentives paid by UI to the Customer under this Agreement.
- f. If either UI or Customer desires to modify the content of this Agreement, the modification must be in writing and signed by an authorized representative of each party in order for the modification to be enforceable against that party.
- g. Customer may not assign this Agreement without the written consent of UI. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, executors, personal representatives, successors and assigns.
- h. Any waiver of any breach of any provision of this Agreement shall not be a waiver of any subsequent breach of the same or any other provisions of this Agreement.
- i. All notices shall be in writing and delivered personally or by overnight courier to the addresses of the parties set forth at the beginning of this Agreement. Any such notice shall be deemed given on the date delivered.
- j. This Agreement shall be governed and construed in accordance with the laws of the State of Connecticut without regard to its conflicts of laws and principles.
- k. All requirements, terms, conditions and provisions of this Agreement which by their nature are incapable of being fully performed within the period of performance hereof shall survive cancellation, termination or expiration of this Agreement, including but not limited to any and all reimbursement obligations of Customer hereunder.
- l. The relationship of the parties is that of independent contractors. None of the provisions of this Agreement is intended to create nor will be construed to create an agency, partnership or employment relationship between or among the parties. No party or any of its officers, members, or employees, will be deemed to be the agent, employee or representative of another party.
- m. This Agreement, including all schedules attached hereto, forms the entire agreement between the parties and supersedes all other communications and representations related to the subject matter hereof.
- n. A "Business Day" as used in this Agreement is a day for which commercial banks are open for business in Connecticut.

In order to evidence its agreement to the above terms, each party has signed or caused an authorized representative to sign this Agreement on the date(s) specified below.

CUSTOMER:

By:
(print)

Name:
(sign)

Title:

Date:

THE UNITED ILLUMINATING COMPANY:

By: Gary Pattavina

By:

Title: Energy Engineer

Date: 09/02/2015

Title:

Manager, C&I Engineers

Date:

9/2/15



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ENERGY OPPORTUNITIES

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Municipal Energy Opportunities Standard Agreement

EXHIBIT 1

AGREEMENT REGARDING Town Of Fairfield - Dept 001 MUNICIPAL ENERGY OPPORTUNITIES STANDARD AGREEMENT

This Agreement regarding Town Of Fairfield - Dept 001 Municipal Energy Opportunities Standard Agreement Project #NvoR ("Agreement") is entered into this 02 day of September, 2015 ("Effective Date") by and among The United Illuminating Company ("UI"), and AMERICAN SOLAR & ALTERNATIVE POWER LLC.

WITNESSETH:

WHEREAS, the Town Of Fairfield - Dept 001 ("Customer") entered into a certain Municipal Energy Opportunities Standard Agreement with UI with an effective date of 09/02/2015 ("MEO Agreement"), which MEO Agreement is attached hereto as Exhibit 1 and incorporated herein by reference; and

WHEREAS, the MEO Agreement governs the Customer's participation in the Municipal Energy Opportunities program ("Program") and certain energy efficient retrofits ("Retrofits") to a certain building located at PUTTING GREEN RD 17 : FAIRFIELD, CT (the "Facility" as defined in the MEO Agreement) to be performed by AMERICAN SOLAR & ALTERNATIVE POWER LLC (or "Installing Vendor" as defined in the Agreement); and

WHEREAS, the MEO Agreement (along with its attachments and exhibits including a Financial Agreement Addendum) sets forth (i) a total project cost of \$ 99,819.00 ("Total Project Cost"), (ii) an incentive of \$ 39,006.00 ("Incentive") and (iii) a balance of \$ 60,813.00 ("Balance"); and

WHEREAS, pursuant to the MEO Agreement, the Balance is to be repaid by Customer via monthly payments of \$ 1,689.25 on Customer's UI electric service bills for a period of Thirty Six (36) months; and

WHEREAS, the Program and MEO Agreement contemplates that the Customer will (i) receive a payment from UI in an amount equal to the Total Project Cost (ii) pay the Installing Vendor the Total Project Cost and (iii) make the monthly payments as set forth in the MEO Agreement until the Balance is paid in full; and

WHEREAS, the Customer is solely responsible for securing an installing vendor and paying the Installing Vendor in connection with its Program project; and

WHEREAS, the Customer has requested that UI pay the Total Project Cost directly to the Installing Vendor.

NOW, THEREFORE, in consideration of the premises and the mutual covenants contained herein, Customer, UI and Installing Vendor agree as follows:

1. Payment of Total Project Cost. Subject to the terms and conditions contained in this letter agreement, UI agrees to pay the Total Project Cost directly to the Installing Vendor.

2. Payment of Balance. Customer agrees to pay to UI an amount equal to the Balance, which Balance will be paid to UI monthly as part of Customer's UI electric service bill over a period of Thirty Six (36) and in monthly payment amounts of \$ 1,689.25.



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Municipal Energy Opportunities Standard Agreement

3. **Relationship of Parties.** The Parties acknowledge and agree that (i) Customer has contracted Installing Vendor to perform the energy efficient retrofits, (ii) Installing Vendor is solely responsible for the installation of the energy retrofits at the Facility, (iii) in connection with the Program, the MEO Agreement, and this Agreement, UI's sole responsibility is as an administrator of the Connecticut Energy Efficiency Fund, (iv) neither Customer nor Installing Vendor shall hold UI responsible in any way for the Retrofits at the Facility in connection with the Program and MEO Agreement, including but not limited to their installation, operation and maintenance, and (v) Installing Vendor agrees to indemnify, defend and hold UI, its affiliates, successors, assignees and each of its and their shareholders, directors, officers, employees and agents harmless from and against any and all suits, claims, and proceedings resulting in liabilities, damages, costs, losses and expenses, including court costs and reasonable attorneys' fees, which arise out of or relate to the Installing Vendor's installation of the Retrofits at the Facility.

4. **MEO Agreement.** Except as expressly modified herein, all of the terms and conditions contained in the MEO Agreement remain in full force and effect.

IN WITNESS WHEREOF, UI, Customer and Installing Vendor have each caused this Agreement to be executed in its name by one of its officers thereunto duly authorized as of the Effective Date.

CUSTOMER:

By:
(print)

Name:
(sign)

Title:

Date:

INSTALLING VENDOR: AMERICAN SOLAR & ALTERNATIVE POWER LLC

By:
(print)

Name:
(sign)

Title:

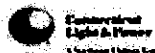
Date:

THE UNITED ILLUMINATING COMPANY:

By: **Gary Pattavina**

Title: **Energy Engineer**

Date: **09/02/2015**



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ENERGY OPPORTUNITIES

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Financial Agreement Addendum

This Financial Agreement which forms part of the Municipal Energy Opportunities Standard Agreement and is effective as of the date signed by all parties below (the "Effective Date") is entered into by and between The United Illuminating Company ("UI") and Town Of Fairfield - Dept 001 (the "Customer"), pertaining to the building to be retrofitted at PUTTING GREEN RD 17 : FAIRFIELD, CT (the "Facility"), Municipal Energy Opportunities Project # NvoR.

The Customer agrees that UI makes no warranties, expressed or implied, regarding the serviceability of any products installed or purchased in connection with the Facility retrofit. The Customer also agrees that it is solely responsible for selecting and contracting with the contractor who will be performing the Facility retrofit, which contractor is identified below ("Contractor"). The Customer and Contractor (as evidenced by Contractor's signature below) each agree to indemnify and hold harmless UI and its officers, directors, employees or affiliates thereof, from any damages, fines, settlements or judgments which directly arise from or are caused by the wrongful, or negligent acts or omissions of any party in the conduct or performance of the Facility retrofit by the Contractor. The Customer shall specifically indemnify and hold harmless, UI with respect to all work contracted for between the Customer and the Contractor, and from any damages, fines, settlements or judgments which directly arise from or are caused by the acts or omissions of the Contractor.

The Customer understands and agrees that UI will not be responsible for any tax liability imposed on the Customer as a result of its participation in the Energy Opportunities program. Customer/Vendor must supply its Federal Tax Identification Numbers or Social Security Number as they are required for distribution of UI incentives. UI will issue a 1099 form to each non-incorporated customer receiving an aggregate incentive payment in excess of \$600.00 in any calendar year.

Customer hereby requests that UI assist financially in connection with the installation work described in Schedule A of the Municipal Energy Opportunities Standard Agreement, at the service address listed below, pursuant to UI's terms and conditions applicable to the Energy Opportunities program. UI and the Customer agree that, in addition to any and all other terms and conditions of the Energy Opportunities program, upon the Customer or Contractor confirming completion of the installation work, and UI's post installation inspection and project verification as well as Customer's execution of an acknowledgement in the form attached hereto as Exhibit 2, UI will issue a check for all amounts approved by UI. The Customer shall be responsible for amounts, if any, in excess of amounts approved by UI and will pay such amounts directly to Contractor.

The Customer also agrees to pay UI the balance of the project cost or the pre-determined total amount as detailed below. The monthly payments will be included by UI on the Customer's regular electric service bill, and the first payment will be due on the first billing cycle following the processing of this agreement. In the event this account is finalized due to selling or closing the facility, the Customer will be required to pay the unpaid balance of this financing agreement within 30 days. By my signature below, I certify that I have read, understood and agree to the terms of this agreement.

energize CT
CONNECTICUT

Improving you to make
Wiser energy choices



Connecticut
Light & Power
A National Energy Company



The United Illuminating Company



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Financial Agreement Addendum

\$ 89,819.00 Total Cost	\$ 39,006.00 Incentive	\$.00 Co-Pay	\$ 60,813.00 Balance	\$ 1,689.25 Monthly Pymt.	36 Term
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Please Note: On the initial bill only, the total balance amount will be displayed with an equal amount as a credit. This is for accounting purposes only.

06-6009803

Federal Tax ID or Social Security #, Customer

100000174196

Contract Account #, Customer

Town Of Fairfield - Dept 001

Account Name, Customer

Sal Morabito

Contact, Customer

17 PUTTING GREEN RD ; FAIRFIELD, CT 06825

Service Address, Customer

Federal Tax ID or Social Security #, Contractor

AMERICAN SOLAR & ALTERNATIVE POWER LLC

Name, Contractor

Contact, Contractor

Signature, Contractor

85 OLD LONG RIDGE ROAD, SUITE A1 ; STAMFORD, CT 06903

Address, Contractor

(Customer's Signature)

ACCEPTED: The United Illuminating Company

By

UI Administration

(Date)

(Date)

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CONNECTICUT

Empowering you to make smart energy choices



Connecticut
Light & Power
a United Illuminating Company



The United Illuminating Company



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ENERGY OPPORTUNITIES

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Municipal Energy Opportunities Standard Agreement

EXHIBIT 2

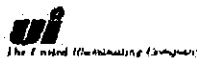
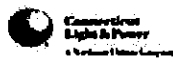
Reference is made to that certain Municipal Energy Opportunities Standard Agreement entered into by and between The United Illuminating Company ("UI") and the Town Of Fairfield - Dept 001 ("Customer") as of "Effective Date" of the Municipal Energy Opportunities Standard Agreement project# NvoR. Customer hereby acknowledges and agrees that:

1. The ECMs (as defined in the MEO Agreement) installed by Installing Vendor (as defined in the MEO Agreement) were installed to the satisfaction of the Customer and are hereby accepted in all respects by the Customer; and
2. UI is authorized to release the Total Project Cost (as defined in Exhibit 1 of the MEO Agreement) to the Installing Vendor.

Town Of Fairfield - Dept 001

By: _____

Its: _____
Authorized Representative



MEO Project # NvoR Agreement Printed 09/02/2015 03:23:05 PM

EO Incentive Application Worksheet - Schedule A

Facility Name: <u>Town Of Fairfield - Dept 001</u>	Phone: <u>(781)932-5158/</u>
Service Address: <u>Puttling Green Rd 17</u>	Facility Use: _____
City: <u>Fairfield</u> Zip: <u>06825</u>	Square Footage: <u>12,000</u>
Contact Person: <u>Morabito, Sal</u>	EO Rep: <u>Paltavina, Gary</u>
Federal Tax I.D. No: <u>06-6009803</u>	EO Project No: <u>NvoR</u>

Custom Measure	Quantity	Cost(\$)	kWh Usage Change	Savings(\$)
----------------	----------	----------	------------------	-------------

Location: Location 1

SEE ATTACHED LIGHTING SCHEDULE	1	\$68,946	-88,556	\$14,661
--------------------------------	---	----------	---------	----------

Location: Location 2

SEE ATTACHED LIGHTING SCHED	1	\$30,873	-55,081	\$9,088
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Custom Measure total:

\$89,819	-143,837	\$23,749
----------	----------	----------

Mandatory Cap	Quantity	Cost(\$)	kWh Usage Change	Savings(\$)
---------------	----------	----------	------------------	-------------

Location: Project/taxid Level

Mandatory Cap Adj.	1	\$0	0	\$0
--------------------	---	-----	---	-----

Mandatory Cap Adjustment

\$0	0	\$0
-----	---	-----

Customer Application & Analysis -

In addition to the terms and conditions contained in UI's Standard Agreement and Schedule A, UI may require a thorough analysis of the demand and energy reduction potential, and the life expectancy of proposed Energy Conservation Measures (ECMs). UI may require the Customer to provide specifications, engineering data, or other reasonable information necessary to complete an independent analysis. UI reserves the right to accept, reject or modify any calculations based on UI's own analysis including but not limited to the incremental cost of energy or demand savings, actual energy savings, life of the ECM, and the cost of the ECM. UI's approved and unsigned proposal will remain valid for thirty (30) days. If proposal is not accepted during this period, account re-qualification will be required. UI will approve only those site-specific ECM's which it believes have cost effective energy and demand reduction potential. In any case, UI reserves sole discretion to approve or disapprove any proposed ECM.

Program Changes -

The Program's Terms and Conditions may be changed by UI at any time without notice. Pre-approved applications however will be processed to completion under the Terms and Conditions in effect at the time of UI pre-approval.

EO Incentive Application Worksheet - Schedule A

Summary Page of EO Schedule A of project NvoR as of 09/02/2015 03:15:27

Facility Name:	<u>Town Of Fairfield - Dept 001</u>	Phone:	<u>(781)932-5158/</u>
Service Address:	<u>Putting Green Rd 17</u>	Facility Use:	<u></u>
City:	<u>Fairfield</u>	Zip:	<u>06825</u>
Contact Person:	<u>Morabito, Sal</u>	Square Footage:	<u>12,000</u>
Federal Tax I.D. No:	<u>06-6009803</u>	EO Rep:	<u>Pattavina, Gary</u>
		EO Project No:	<u>NvoR</u>

TOTAL COST: **\$99,819**

TOTAL SAVINGS: **\$23,749**

TOTAL INCENTIVES: **\$39,006**

MONTHLY PAYMENT: **36 @ \$1,689.25**

Customer or Customer's agent name (print): _____

Customer or Customer's agent Signature: _____

Title: _____ Date: _____

I authorize UI to issue the Incentive check, for the above amount, to

(the installing contractor, facility owner or other).

Customer or Customer's agent Signature

Date



American Solar & Alternative Power

85 Old Long Ridge Road, Suite 1A
Stamford, CT 06903
(203)324-7186 Fax: (203)348-4539



North Stratfield Middle School
Sal Morabito
190 Putting Green Road
Fairfield CT 06825

September 15, 2015

Dear Mr. Morabito:

We have completed our analysis of your current lighting system and our calculations of the savings you will achieve by installing our recommended high energy-efficient lighting measures. The most important advantages you will achieve as a result of your lighting upgrade are as follows:

- You will have a state-of-the-art lighting system that has been specifically designed for your particular lighting requirements. This will mean a substantial upgrade in the quality of light in your work place.
- You will save **\$23,749.00** annually through reduced utility bills from a utility charge of .165 kWh. Savings will be even greater if you consider that utility rates will likely continue to go up, and that you should expect substantially lower maintenance and cooling costs.
- You will receive a rebate check in the estimated amount of **\$39,006.00** from United Illuminating shortly after the installation is completed.

Summary Saving are:

- You will gain all the advantages of the new **LED** systems.
- Your annual kWh saved **143,937** based on average hours use per week.
- Your monthly utility savings **\$1,979.00**.
- You will be contributing to the country's conservation efforts. Your installation of the recommended high-efficiency measures will eliminate the emission of 104,964 lbs. of CO₂, 381,687 lbs. of SO₂, and 133,590lbs. of NO_x into the atmosphere each year.
- You can achieve the above with no significant up front capital investment.

The details and supporting data are attached for your review. We look forward to working with you to install your new lighting system so you can begin to realize the savings which will result.

Sincerely,

Elliot Isban
CEO
Encl.



North Stratfield Middle School
American Solar & Alternative Power
Summary

Revised:
LED T8 Tubes with LED Highbays

(# 6774)

Costs

Our Quote	\$	99,819.00
Estimated Eversource Rebate	\$	(39,006.00)
Effective Cost		\$ 60,813.00

Savings

Annual Utility Savings (1)	\$	23,749.00
1 Year Maintenance Avoidance(3)	\$	-
Total 1 Year Savings	\$	23,749.00
5 Year Utility Savings (1)	\$	118,745.00
5 Year Maintenance Avoidance(3)	\$	-
Total 5 Year Savings	\$	118,745.00
10 Year Utility Savings	\$	237,490.00
10 Year Maintenance Avoidance(3)	\$	-
Total 10 Year Savings	\$	237,490.00

Notes:

(1) Assumes "all-in" utility rate of \$.165/kWh

(2) Payback for the LED T8 Tubes will be 2.56 years (After rebates and annual savings)

(3) Fixtures are RoHS-compliant, FCC-, ETL-, cETL-listed and provides a cool operation without emitting radiation or heat, which reduces maintenance costs by extending fixture life

All proposals include recycling of lamps and metal in accordance with EPA guidelines & you will receive certification of proper disposal to limit liability

EXPERIENCE COUNTS!

American Solar & Alternative Power LLC, a Kingspan Energy Company
85 Old Long Ridge Road, Suite A1 | Stamford, CT 06903 | 203-324-7186 | www.solarasap.com

North Stratfield Elementary Client Copy of Work Locations



Locations	Hours	New Item	New Item Description
Room 26 *S	32	LED-18T	Nancy L. Hamlin Wing LED 18W 4' T8 LED TUBE
Room 27 *S	32	LED-18T	LED 18W 4' T8 LED TUBE
Room 28 *S	32	LED-18T	LED 18W 4' T8 LED TUBE
Room 25 *S	32	LED-18T	LED 18W 4' T8 LED TUBE
Room 24 *S	32	LED-18T	LED 18W 4' T8 LED TUBE
Room 23 *S	32	LED-18T	LED 18W 4' T8 LED TUBE
			Hall Rooms 24-28
	85	LED-18T	LED 18W 4' T8 LED TUBE
			Hall Conf- lockers
	85	LED-18T	LED 18W 4' T8 LED TUBE
Conf Rm *S	32	LED-18T	LED 18W 4' T8 LED TUBE
	32	LED-18T	LED 18W 4' T8 LED TUBE
	32	LED-18T	LED 18W 4' T8 LED TUBE
NSS Staff *S	32	LED-18T	LED 18W 4' T8 LED TUBE
Boys *S	32	LED-18T	LED 18W 4' T8 LED TUBE
Girls *S	32	LED-18T	LED 18W 4' T8 LED TUBE
Hall	85	LED-18T	LED 18W 4' T8 LED TUBE
			Teachers Rm 32-29
Display Case	85	LED-10T	LED 10w 2' T8 Tube
Rm 20 Comp	45	LED-18T	LED 18W 4' T8 LED TUBE
IT	45	LED-18T	LED 18W 4' T8 LED TUBE
IT Storage	45	LED-18T	LED 18W 4' T8 LED TUBE
Rest room	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 22 *S	32	LED-18T	LED 18W 4' T8 LED TUBE
Hall	85	LED-18T	LED 18W 4' T8 LED TUBE
Custodian	45	LED-18T	LED 18W 4' T8 LED TUBE
			Library
	60	LED-18T	LED 18W 4' T8 LED TUBE
	60	LED-10T	LED 10w 2' T8 Tube
	60	LED-18T	LED 18W 4' T8 LED TUBE
	60	LED-18T	LED 18W 4' T8 LED TUBE
	60	LED-13p	15w 4-pin horizontal helen
		NO C	NO CHANGE

North Stratfield Elementary Client Copy of Work Locations



Room 19	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 18 *S	32	LED-18T	LED 18W 4' T8 LED TUBE
Room 21	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 17	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 20	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 16	45	LED-18T	LED 18W 4' T8 LED TUBE
			Hall (Room 22-Exit sign)
	85	LED-18T	LED 18W 4' T8 LED TUBE
	85	LED-18T	LED 18W 4' T8 LED TUBE
Office #1	45	LED-18T	LED 18W 4' T8 LED TUBE
Office #2	45	LED-18T	LED 18W 4' T8 LED TUBE
Mini Hall	85	LED-18T	LED 18W 4' T8 LED TUBE
Mrs Maclean	45	LED-18T	LED 18W 4' T8 LED TUBE
Nurse Room	45	LED-18T	LED 18W 4' T8 LED TUBE
	45	LED-18T	LED 18W 4' T8 LED TUBE
nurse bath	45	LED-18T	LED 18W 4' T8 LED TUBE
Rm 33 conf*S	32	LED-18T	LED 18W 4' T8 LED TUBE
	32	LED-18T	LED 18W 4' T8 LED TUBE
Main Off *S	32	LED-18T	LED 18W 4' T8 LED TUBE
worker rm *S	32	LED-18T	LED 18W 4' T8 LED TUBE
Back hall	85	LED-18T	LED 18W 4' T8 LED TUBE
Principal	45	LED-18T	LED 18W 4' T8 LED TUBE
Off 35	45	LED-18T	LED 18W 4' T8 LED TUBE
Off 34	45	LED-18T	LED 18W 4' T8 LED TUBE
Main Entrance	85	LED-18T	LED 18W 4' T8 LED TUBE
ramp platform	85	LED-18T	LED 18W 4' T8 LED TUBE
Stage	85	LED-18T	LED 18W 4' T8 LED TUBE
Left Stage	45	LED-20B	PAR 38
			Cafe/Auditorium
	85	LED-20B	PAR 38
*****	85	LED-18T	LED 18W 4' T8 LED TUBE
Cafe Store*S	60	LED-18T	LED 18W 4' T8 LED TUBE
			Hall Platform-auditorium
	85	LED-18T	LED 18W 4' T8 LED TUBE
	85	LED-18T	LED 18W 4' T8 LED TUBE
Store 1+2	85	LED-18T	LED 18W 4' T8 LED TUBE
Room 15	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 14	45	LED-18T	LED 18W 4' T8 LED TUBE



				Hall Rm 14-Exit
	85	LED-18T		LED 18W 4' T8 LED TUBE
	85	LED-18T		LED 18W 4' T8 LED TUBE
closet	45	LED-18T		LED 18W 4' T8 LED TUBE
				Kitchen
	45	LED-18T		LED 18W 4' T8 LED TUBE
bath	45	LED-18T		LED 18W 4' T8 LED TUBE
	45	LED-13p		15w 4-pin horizontal helen
	45	LED-10T		LED 10w 2' T8 Tube
laundry room	45	LED-18T		LED 18W 4' T8 LED TUBE
Store	45	LED-18T		LED 18W 4' T8 LED TUBE
Janitor	45	LED-18T		LED 18W 4' T8 LED TUBE
bath	45	LED-18T		LED 18W 4' T8 LED TUBE
				Hall (Maintenance -Gym)
	85	LED-18T		LED 18W 4' T8 LED TUBE
	85	LED-18T		LED 18W 4' T8 LED TUBE
Gym *S *****	60	LED-120HB		120w LED Highbay w/ Sensor
	60	LED-18T		LED 18W 4' T8 LED TUBE
	60	LED-18T		LED 18W 4' T8 LED TUBE
		NO C		NO CHANGE
store	45	LED-18T		LED 18W 4' T8 LED TUBE
				Hall Art-Double Doors
	85	LED-18T		LED 18W 4' T8 LED TUBE
	85	LED-18T		LED 18W 4' T8 LED TUBE
Kindergart 1	45	LED-18T		LED 18W 4' T8 LED TUBE
	45	LED-18T		LED 18W 4' T8 LED TUBE
	45	LED-18T		LED 18W 4' T8 LED TUBE
store	45	LED-18T		LED 18W 4' T8 LED TUBE
bath	45	LED-18T		LED 18W 4' T8 LED TUBE
Room 2	45	LED-18T		LED 18W 4' T8 LED TUBE
	45	LED-18T		LED 18W 4' T8 LED TUBE
bath	45	LED-18T		LED 18W 4' T8 LED TUBE
store	45	LED-18T		LED 18W 4' T8 LED TUBE
Room 3	45	LED-18T		LED 18W 4' T8 LED TUBE
	45	LED-18T		LED 18W 4' T8 LED TUBE
	45	LED-18T		LED 18W 4' T8 LED TUBE
bath	45	LED-18T		LED 18W 4' T8 LED TUBE
store	45	LED-18T		LED 18W 4' T8 LED TUBE

North Stratfield Elementary Client Copy of Work Locations



Room 4	45	LED-18T	LED 18W 4' T8 LED TUBE
	45	LED-18T	LED 18W 4' T8 LED TUBE
bath	45	LED-18T	LED 18W 4' T8 LED TUBE
store	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 5	45	LED-18T	LED 18W 4' T8 LED TUBE
bath	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 6	45	LED-18T	LED 18W 4' T8 LED TUBE
bath	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 7	45	LED-18T	LED 18W 4' T8 LED TUBE
bath	45	LED-18T	LED 18W 4' T8 LED TUBE
			Rooms 8-11
	45	LED-18T	LED 18W 4' T8 LED TUBE
Baths	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 12	45	LED-18T	LED 18W 4' T8 LED TUBE
bath	45	LED-18T	LED 18W 4' T8 LED TUBE
Room 13	45	LED-18T	LED 18W 4' T8 LED TUBE
	45	LED-18T	LED 18W 4' T8 LED TUBE
	45	LED-18T	LED 18W 4' T8 LED TUBE
Adj rm 13	45	LED-18T	LED 18W 4' T8 LED TUBE
Art Room	45	LED-18T	LED 18W 4' T8 LED TUBE
Store rm	45	LED-18T	LED 18W 4' T8 LED TUBE
Hall	85	LED-18T	LED 18W 4' T8 LED TUBE
			Exterior
Playground	84	LED-150F	LED 150W Flood Light
door 9+8	84	Led-40swp	40W Slim wall Pack econolight pg 26
door 7	84	Led-17B	LED 17W Omnidirectional
pole	84	LED-150F	LED 150W Flood Light
Doors10-14	84	Led-40swp	40W Slim wall Pack econolight pg 26
door 15	84	Led-17B	LED 17W Omnidirectional
door 15+16	84	LED-40WP	40W No cut Wall Pack (DLC)
door17	84	Led-40swp	40W Slim wall Pack econolight pg 26
	84	LED-60WP	60w No cut Wall Pack (DLC)
door 20-21	84	Led-40swp	40W Slim wall Pack econolight pg 26
door22	84	Led-17B	LED 17W Omnidirectional
door 24	84	Led-40swp	40W Slim wall Pack econolight pg 26
door 24 +25			
door 28	84	Led-40swp	40W Slim wall Pack econolight pg 26
door 28+29	84	LED-40WP	40W No cut Wall Pack (DLC)

North Stratfield Elementary Client Copy of Work Locations



door 30-31,34	84	Led-40swp	40W Slim wall Pack econolight pg 26
door 34	84	LED-40WP	40W No cut Wall Pack (DLC)
door 2	84	LED-40WP	40W No cut Wall Pack (DLC)
poles	84	LED-150F	LED 150W Flood Light
	84	LED-150F	LED 150W Flood Light



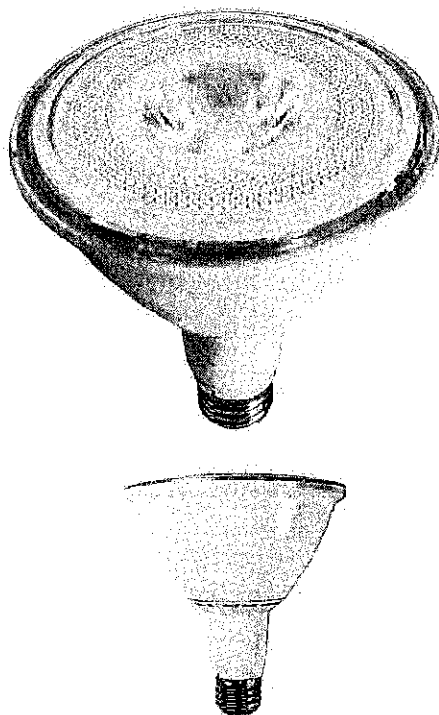
PROJECT NAME: _____ CATALOG NUMBER: _____
 NOTES: _____ FIXTURE SCHEDULE: _____

Page: 1 of 2

WET LISTED LED PAR LAMPS

PAR38

17W PAR38



PRODUCT DESCRIPTION:

MaxLite introduces Wet Listed 17 watt LED replacements for 150 watt incandescent PAR38 lamps. Ideal for indoor and outdoor applications including wet locations.

FEATURES:

- 120V / 60Hz
- Available in 40° flood
- 25,000 hour life at L70 standards
- CRI: >80
- High output chip-on-board LED
- Dimmable down to ten percent
- Operating temperature range: -4° to 104° F
- Not for use in enclosed luminaires
- Five year warranty

MODEL SELECTION		Typical order example: 17P38DLED30FL	
17P38	DLED		FL
FAMILY	DIMMABILITY	COLOR TEMPERATURE (CCT)	BEAM ANGLE
17P38 = 17 Watts, PAR38	DLED= Dimmable	27= 2700K* 30= 3000K* 41= 4100K 60= 5000K	FL= Flood 40°

COMPATIBLE DIMMERS:

MAKE	DIMMER MODEL	MAKE	DIMMER MODEL
Lutron	CTCL-153P	Leviton	IPL06
Lutron	DVCL-153P	Leviton	IP110
Lutron	LGCL-153P	Leviton	6631-LW
Lutron	S-600	Leviton	6683-1W

NOTES:

1. 2700K and 3000K models are Energy Star qualified



Wet Listed LED PAR Lamps PAR38

Page: 2 of 2

SPECIFICATIONS:

PAR38		
ITEM	REGISTRATION	PARAMETERS
GENERAL PERFORMANCE	Color Temperature	2700K, 3000K, 4100K, 5000K
	Lumens Delivered (lm)	1300
	Efficacy (lm/w)	76
	Equivalency	150W
	Lumen Maintenance (L70)	25,000 hours
ELECTRICAL	Power Factor	≥.90
	Input Voltage	120V
TEMPERATURE	Operating Temperature	-4° F to 104° F
ENVIRONMENT	Environment	Dry, Damp, Wet
	Warranty	5 Year

ORDERING:

ORDER CODE	MODEL	WATTAGE	INCANDESCENT EQUIVALENCY	ØH	OUTPUT (LUMENS)	DIMENSIONS (LxWxH)	CR	BEAM ANGLE
73654	17P38DLED27FL*	17W	150W	80	1300	5.10" x 4.75"	2700K	40°
73656	17P38DLED30FL*	17W	150W	80	1300	5.10" x 4.75"	3000K	40°
73658	17P38DLED41FL	17W	150W	80	1300	5.10" x 4.75"	4100K	40°
73696	17P38DLED50FL	17W	150W	80	1300	5.10" x 4.75"	5000K	40°

*Energy Star qualified



BY **BRILLIANT**
LIGHTING & SPECIALTY PRODUCTS

HLS-L180A Area Light

Product Specifications

Housing:

High pressure die-cast housing, anti-static powder painting, and silicon rubber gasket

Mounting:

Trunnion mount, wall mount or pole mount

Wattage:

Cree LEDs: 150w system wattage

Lumen Output:

12,345 lumens

Kelvin:

5000K

Color Rendering:

CRI ≥ 75

Fixture Angle:

Adjustable to 45 degrees up or down

Finish:

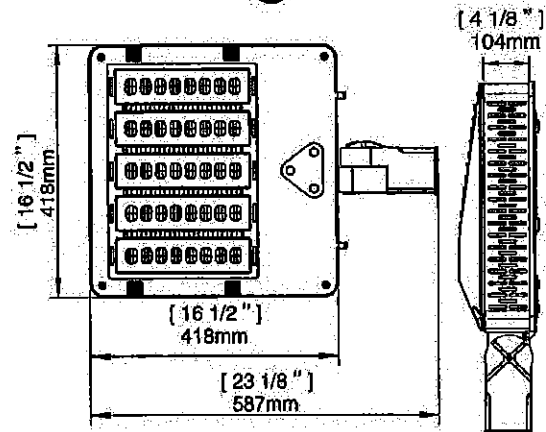
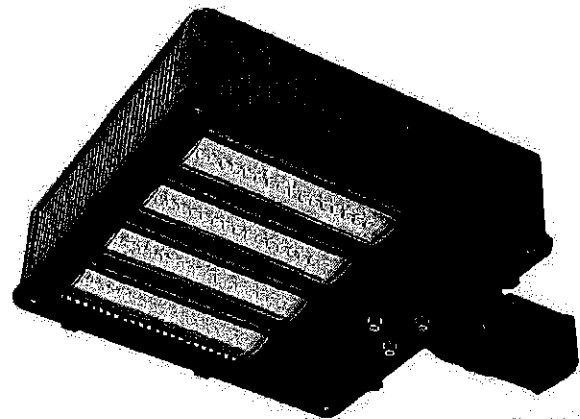
Bronze (standard)

Listing & Ratings:



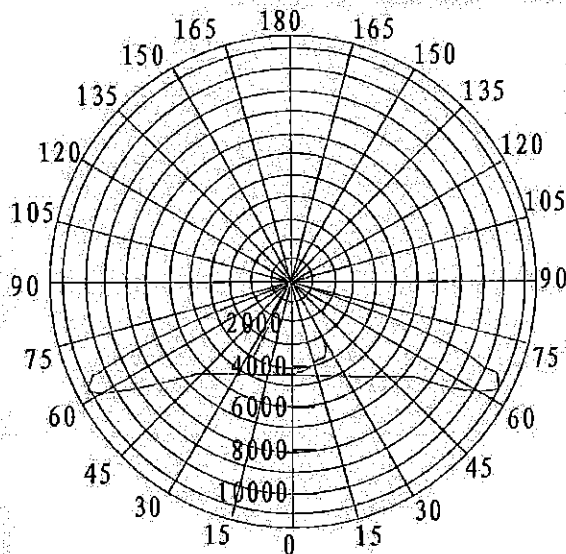
LM79 / LM80 Compliant

IP65 Rated



Distribution: Type III **Weight:** 18.54 lbs.
Voltage: UNV 120/277

Technical Information



[X] — C0-C180 [X] — C90-C270

7820 Enchanted Hills Blvd., Ste. A275, Rio Rancho, NM 87144
Ph: 877.275.5268 F: 888.752.0377 www.brilliantlig.com

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Light Output (Lumens)	12345
Watts	155
Lumens per Watt (Efficacy)	79
Color Accuracy Color Rendering Index (CRI)	73
Light Color Correlated Color Temperature (CCT)	5003 (Daylight)

Warm White

Bright White

Daylight

2700K

3000K

4000K

6000K

All results are according to IESNA LM-79-2008 Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: KEXG-J3V2RY (7/22/2013)
Model Number: HLS-L180A-X-XXX-XXXX
Type: Outdoor area/roadway fixture

A Product of Brilliant Lighting & Specialty Products



BY **BRILLIANT**
LIGHTING & SPECIALTY PRODUCTS

HLF-250HSW-L Wall Pack

Product Specifications

Housing:

High pressure die-cast housing, anti-static powder painting, and silicon rubber gasket

Lens:

Borosilicate glass lens

Reflector:

High efficiency reflector and diffuser

Wattage:

Cree LEDs: 60w system wattage

Lumen Output:

4,849 lumens

Kelvin:

5000K

Color Rendering:

CRI ≥ 75

Finish:

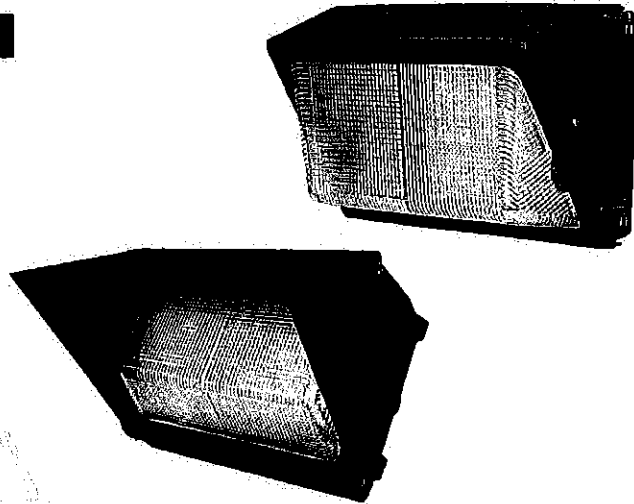
Bronze (standard)

Listing & Ratings:

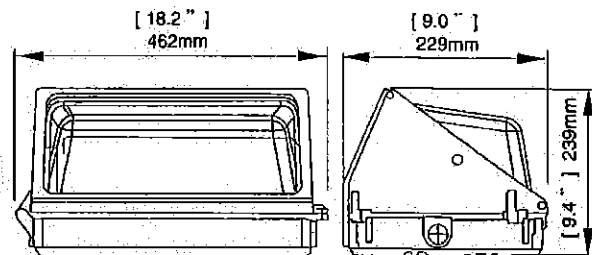


LM79 / LM80 Compliant

IP54 Rated

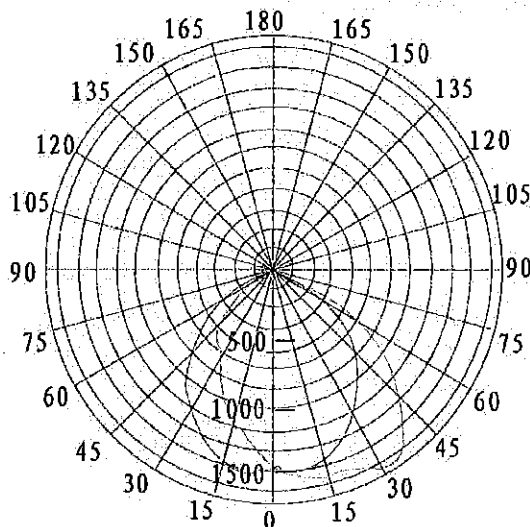


*Requires shield for DLC qualification



Voltage: UNV 120/277 **Weight:** 15.9 lbs.

Technical Information



☒ — C0-C180 ☒ — C90-C270

LED

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HOLLY LITE

Light Output (Lumens)	4849
Watts	65.42
Lumens per Watt (Efficacy)	74
Color Accuracy Color Rendering Index (CRI)	70
Light Color Correlated Color Temperature (CCT)	5075 (Daylight)
<div> <div>Warm White</div> <div>Bright White</div> <div>Daylight</div> </div> <div> <div>2700K</div> <div>3000K</div> <div>4500K</div> <div>5000K</div> <div>6500K</div> </div>	

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: KE-XG-21231Y (7/22/2013)
Model Number: HLF-250HSW-L-X-XXX-XXXX
Type: Outdoor wall-mounted porch lights

7820 Enchanted Hills Blvd., Ste. A275, Rio Rancho, NM 87144
Ph: 877.275.5268 F: 888.752.0377 www.brilliantllg.com

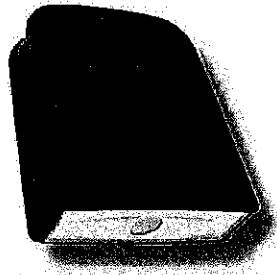
A Product of Brilliant Lighting & Specialty Products

LED SLIM WALL PACK/FLOOD 40-WATT LED (E.WF1, E.WF2 Series)

Applications: As a wall pack, use for security, pathway, and perimeter lighting - ideal for entryways, walkways, and other applications where control of spill light is important. With adjustable mounting accessories, use as a flood for building facades, displays, up-lighting, and signs. Also effective for storage areas and commercial sites.

Typical Mounting Height: 8 to 20 feet (Small), 8 to 25 feet (Large)

Typical Spacing: 1 to 2 times the mounting height



Small (40/60-Watt)
2.8" L x 7.5" W x 8.0" H
Weight: 3.6 lbs.



Large (80/150-Watt)
4.9" L x 14.2" W x 12.8" H
Weight: 11.2 lbs. (80-Watt), 12.2 lbs. (150-Watt)

Catalog #	Description	Input Voltage	Initial Delivered Lumens	CCT	CRI	50K Hours Projected Lumen Maintenance Factor at 25°C	Comparable To:
E.WF1L04CZ	40W LED, Cool White	120V - 277V	3917	5000K	≥ 70	87%	100W PSMH
E.WF1L04NZ	40W LED, Neutral White	120V - 277V	3917	4000K	≥ 70	87%	100W PSMH
E.WF1L06CZ	60W LED, Cool White	120V - 277V	5135	5000K	≥ 70	87%	175W MH
E.WF1L06NZ	60W LED, Neutral White	120V - 277V	5135	4000K	≥ 70	87%	175W MH
E.WF2L08CZ	80W LED, Cool White	120V - 277V	8110	5000K	≥ 70	70%	250W MH
E.WF2L08NZ	80W LED, Neutral White	120V - 277V	8110	4000K	≥ 70	70%	250W MH
E.WF2L15CZ	150W LED, Cool White	120V - 277V	15,790	5000K	≥ 70	87%	400W MH
E.WF2L15NZ	150W LED, Neutral White	120V - 277V	15,790	4000K	≥ 70	87%	400W MH

[†] Calculated L₇₀ based on 6,048 hours of LM-80 testing: >39,000 hours



INTEGRATED LIGHTING SOLUTIONS

Cree, Inc. 9201 Washington Ave | Racine, WI 53406 | Phone: 800-236-6600 | Fax: (800) 504-5415 | Info@cree.com | www.cree.com/lighting/ILS

LED SLIM WALL PACK/FLOOD 40-WATT LED (E.WF1, E.WF2 Series)

Features

Performance

- Estimated 133,000 (40W, 60W and 150W) hours, 50,000 (80W) hours to L_{70} at 25°C (77°F)
- -40°C (-40°F) minimum starting temperature

Construction & Materials

- Solid construction, die-cast aluminum housing
- Dark bronze polyester powder-coat finish for extra corrosion protection and long-lasting color
- Tempered glass lens: thermal, shock and impact resistant
- Included mounting plate mounts over 4" square or 4" octagonal junction box
- Cree® LEDs inside

Electrical

- Non-dimmable electronic driver, 120V through 277V
- Amperage Draw: 40W - 0.33A at 120V, 0.16A at 277V
60W - 0.49A at 120V, 0.22A at 277V
80W - 0.88A at 120V, 0.38A at 277V
150W - 1.25A at 120V, 0.57A at 277V
- >0.9 power factor
- < 20% total harmonic distortion

Regulatory

- UL Listed for wet locations

Warranty

- 5-year limited warranty
- Certain exclusions apply. For details, visit www.cree.com/lighting/ILS

Accessories



CAT.# E.ACSBWfZ
Surface Mounting Box
(Large & Small)
For use with the fixture when there is no internal junction box in the wall or if doing a thru wire



CAT.# E.ACSWF1Z
2" Fitter (Small)
Allows for sign illumination, landscape applications, architectural facade illumination



CAT.# E.ACUWF1Z
U-Bracket (Small)
Provides flexible wall mounting options



CAT.# E.ACWF1/2Z
1/2" Fitter (Small)
Connects to 1/2" conduit



CAT.# E.ACSWF2Z
2" Fitter (Large)
Allows for sign illumination, landscape applications, architectural facade illumination



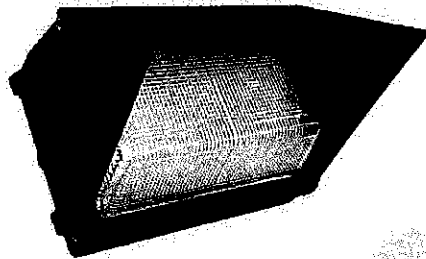
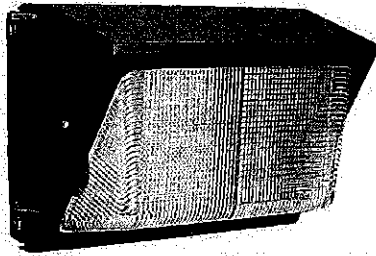
CAT.# E.ACUWF2Z
U-Bracket (Large)
Provides flexible wall mounting options

HLF-150HSW-L Wall Pack

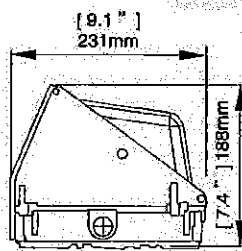
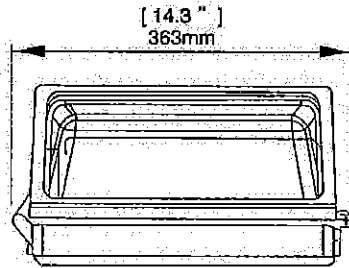


BY

BRILLIANT
LIGHTING & SPECIALTY PRODUCTS



*Requires shield for DLC qualification



Weight: 9.61 lbs.

Voltage: UNV 120/277

Product Specifications

Housing:

High pressure die-cast housing, anti-static powder painting, and silicon rubber gasket

Lens:

Borosilicate glass lens

Reflector:

High efficiency reflector and diffuser

Wattage:

Cree LEDs: 40w system wattage

Lumen Output:

3,023 lumens

Kelvin:

5000K

Color Rendering:

CRI ≥ 75

Finish:

Bronze (standard)

Listing & Ratings:



LM79 / LM80 Compliant

IP54 Rated



Technical Information

LED lighting facts®
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Light Output (Lumens)	3023
Watts	41.23
Lumens per Watt (Efficacy)	73

Color Accuracy Color Rendering Index (CRI)	70
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Light Color
Correlated Color Temperature (CCT)

5023 (Daylight)

Warm White
2700K

Bright White
3000K

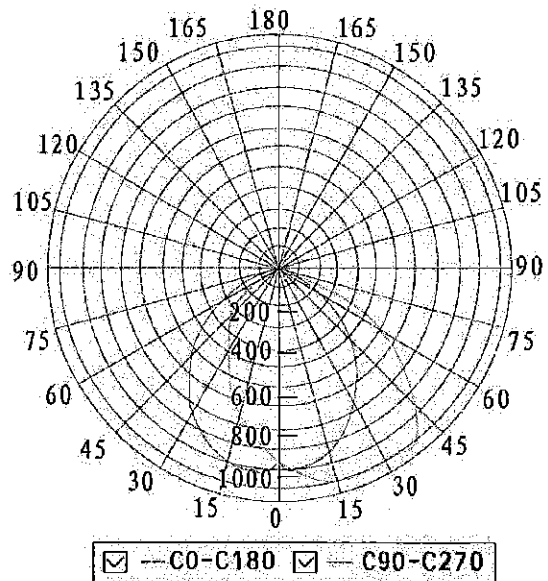
Daylight
4500K

6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) validates product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: KEK6-NALJ/DR (7/22/2013)
Model Number: HLF-150HSW-L-X-035-K00X
Type: Outdoor wall-mounted porch light



A Product of Brilliant Lighting & Specialty Products

7820 Enchanted Hills Blvd., Ste. A275, Rio Rancho, NM 87144
Ph: 877.275.5268 F: 888.752.0377 www.brilliantltg.com



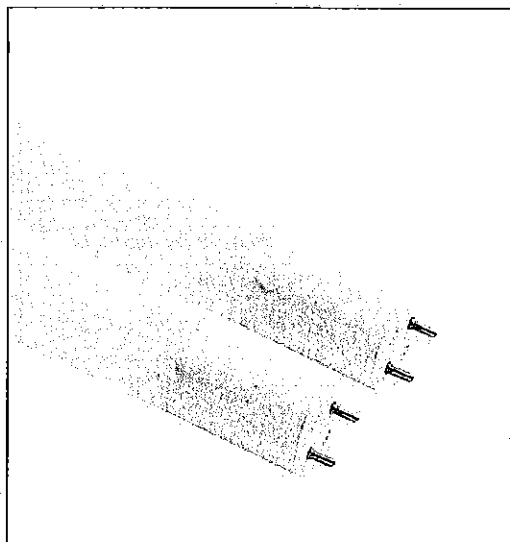
PROJECT NAME: _____ CATALOG NUMBER: _____

NOTES: _____ FIXTURE SCHEDULE: _____

Page: 1 of 4

LED T8 - LINEAR REPLACEMENT LAMP

DirectFit G SERIES



PRODUCT DESCRIPTION:

MaxLite DirectFit LED T8 lamp is the ideal plug and play solution that works straight out of the box. Designed to deliver over 1800 lumens, these energy-saving LED lamps are quick, easy and safe to install into existing linear fluorescent fixtures without any extra effort or re-wiring. MaxLite DirectFit LED T8 lamps utilize the existing T8 instant-start electronic ballasts, thus minimizing maintenance and labor costs.

FEATURES:

- Input Power: 14W
- Input Voltage: 120-277VAC, determined by fluorescent ballast
- Compatible with most electronic Instant Start, Programmed Start, and Rapid Start T8 ballasts
- All glass construction with 330° beam angle
- Color Rendering Index (CRI): ≥85
- 50,000 hour life
- THD <20%
- Power Factor: 0.9 nominal
- Non-Dimmable
- Five year limited warranty
- Suitable for use in dry and damp locations
- Suitable for use in totally enclosed recessed fixture
- Not for use or to be wired to "mains voltage"

MODEL SELECTION (Full list of order codes on pg. 2)					
Typical order example: L14T8DF440-G					
L	14	T8	DF	4	
FAMILY	WATTAGE	TUBE TYPE	OPERATION	LENGTH	CRI
L= LED Linear	14= 14W	T8= T8 tube	DF= DirectFit	4= 4 FT	35-G= 3500K, Glass 40-G= 4000K, Glass 50-G= 5000K, Glass



LED T8 - LINEAR REPLACEMENT LAMP

DirectFit G SERIES

Page: 2 of 4

SPECIFICATIONS:

		14W 4FT
ITEM	SPECIFICATION	DETAILS
GENERAL PERFORMANCE	Power (Bare Lamp)	14W
	Lumens Delivered*	1900
	CRI	≥85
	Beam Angle	330°
	Color Temperature (CCT)	4100K, 5000K
	Lumen Maintenance (L70)	50,000 hours
ELECTRICAL	Power Factor	≥0.9
	Input Voltage	120-277, ballast dependent
PHYSICAL	Operating Temperature	-4°F to 113°F
CERTIFICATION	Certification	UL, LM79, LM80, DLC
	Material Usage	RoHS compliant, no mercury
	Environment	Dry and Damp
	Warranty	5 Years

* Operating with normal ballast factor (0.89) ballast

WATTS & LUMENS*:

ORDER CODE	RATED BARE LAMP (W)	AVERAGE SYSTEM WATTS (W)			INITIAL LUMENS		
		LOW BP 7/8	NORMAL BP 8/8	HIGH BP 9/8	LOW BP 7/8	NORMAL BP 8/8	HIGH BP 9/8
L14T8DF435-G	14	14.5	17	24	1550	1900	2450
L14T8DF440-G	14	14.5	17	24	1550	1900	2450
L14T8DF450-G	14	14.5	17	24	1550	1900	2450

* Lumens and watts will vary by ballast and fixture

ORDERING:

ITEM NUMBER	ORDER CODE	CCT	LENGTH	DIMENSIONS (L x DIA.)
76633	L14T8DF435-G	3500K	4FT	47.75" x 1.00"
75306	L14T8DF440-G	4000K		
75307	L14T8DF450-G	5000K		

COMPATIBLE BALLASTS - INSTANT START:

MANUFACTURER	MODEL	BALLAST FACTOR	NO. OF TUBES
EIKO	PM-2X32T8-UNV-IS-L	L	2
EIKO	PM-3X32T8-UNV-IS-L	L	3
EIKO	PM-4X32T8-UNV-IS-L	L	4
EIKO	PM-2X32T8-UNV-IS	N	2
EIKO	PM-3X32T8-UNV-IS	N	3
EIKO	PM-4X32T8-UNV-IS	N	4
EIKO	PM-3X32T8-UNV-IS-H	H	3
ESPEL	VE232MVHIPLE	L	2
ESPEL	VE232MVHIPE	N	2
ESPEL	VE232MVHIPHE	H	2
FULHAM	WHSG3-UNV-T8-IS	N	3
FULHAM	WHCG4-120-T8-IS	N	4
FULHAM	WHSG4-UNV-T8-IS	N	4
GE	GE132MAX-L/ULTRA	L	1
GE	GE232MAX-L/ULTRA	L	2
GE	GE332MAX-L/ULTRA	L	3
GE	GE432MAX-L/ULTRA P	L	4
GE	GE132MAX-G-N	N	1
GE	GE132MAXP-N/ULTRA	N	1
GE	GE-232-MV-N P	N	2
GE	GE232MAX-N/ULTRA P	N	2
GE	GE232MV-N-DIY	N	2
GE	GE232-120-RES	N	2
GE	GE332MV-N	N	3
GE	GE332MAX-N/ULTRA	N	3
GE	GE332MAX-G-N	N	3
GE	GE432MAX-G-N	N	4
GE	GE432-120-RES	N	4
GE	GE432MV-N-42T	N	4
GE	GE432MAX-N/ULTRA	N	4
GE	GE132MAX-H/ULTRA	H	1
GE	GE-232-MAX-H/ULTRA P	H	2
GE	GE332MAXP-H/ULTRA	H	3
GE	GE432MAX-H/ULTRA P	H	4
HALCO	EP232IS/L/MV/SL	L	2
HALCO	EP432IS/L/MV/HE	L	4
HALCO	EP232IS/MV/HE	N	2
HALCO	EP332IS/MV/HE	N	3
HALCO	E432IS/120/R/SL	N	4
HALCO	EP432IS/MV/HE	N	4

MANUFACTURER	MODEL	BALLAST FACTOR	NO. OF TUBES
HOWARD	EPL2/32IS/MV/MC/HE	L	2
HOWARD	EPL3/32IS/MV/SC/HE	L	3
HOWARD	EPL4/32IS/MV/MC/HE	L	4
HOWARD	E2/32IS-120MC	N	2
HOWARD	EP2/32IS/MV/MC/HE	N	2
HOWARD	EP3/32IS/MV/SC/HE	N	3
HOWARD	EP3/32IS/MV/MC/HE	N	3
HOWARD	EP4/32IS/MV/MC/HE	N	4
HOWARD	EPH2/32IS/MV/MC/HE	H	2
HOWARD	EPH4/32IS/MV/SC/HE	H	4
KEYSTONE	KTEB-232-UV-IS-N-P	N	2
KEYSTONE	KTEB-332-UV-IS-N-P	N	3
KEYSTONE	KTEB-432RIS-1-TP-SL	N	4
KEYSTONE	KTEB-432-UV-IS-N-P	N	4
LUMAPRO	4KGH1 EB-432IS-120	N	4
MAXLITE	SKEU322HE/SC	L	2
MAXLITE	MLEU322HE/SC	L	2
MAXLITE	SKEU323L/SC	L	3
MAXLITE	SKEU324HE/SC	L	4
MAXLITE	SKEU322/SC	N	2
MAXLITE	MLEU322HE/SC	N	2
MAXLITE	MLEU323/SC	N	3
MAXLITE	SKEU324HE/SC	N	4
MAXLITE	MLEU324HE/SC	N	4
MAXLITE	SKEU322H/SC	H	2
MAXLITE	MLEU323H/SC	H	3
MAXLITE	SKEU324HEH/SC	H	4
PHILIPS ADVANCE	IOP-2P32-LW-N	L	2
PHILIPS ADVANCE	IOPA-3P32-LW-N	L	3
PHILIPS ADVANCE	IOP-4P32-LW-N	L	4
PHILIPS ADVANCE	IOP-1P32-N	N	1
PHILIPS ADVANCE	ICN-1P32-N	N	1
PHILIPS ADVANCE	IOPA-1P32-N	N	1
PHILIPS ADVANCE	ICN-2P32-N	N	2
PHILIPS ADVANCE	IOPA-2P32-N	N	2
PHILIPS ADVANCE	IOP-2P32-N	N	2
PHILIPS ADVANCE	ICN-3P32-N	N	3
PHILIPS ADVANCE	IOP-4P32-N	N	4
PHILIPS ADVANCE	ICN-4P32-N	N	4
PHILIPS ADVANCE	REB-4P32-SC	N	4

COMPATIBLE BALLASTS - INSTANT START:

MANUFACTURER	MODEL	BALLAST FACTOR	# OF LAMPS
PHILIPS ADVANCE	ICN-4P32-SC	N	4
PHILIPS ADVANCE	IOPA-2P32HL-SC	H	2
PHILIPS ADVANCE	IOPA-4P32-HL-SC	H	4
PLUSRITE	BAF232IS/MV	N	2
PLUSRITE	BAF332IS/MV	N	3
ROBERTSON	ISU232T8120 3P20116	N	2
SOLA	E-758-F-232-SC	N	2
SOLA	E-758-U-232-MC	N	2
SUNPARK	U-2/32ISE-LBF	L	2
SUNPARK	U-4/32ISE-LBF	L	4
SUNPARK	120-1/32IS HPF	N	1
SUNPARK	U-3/32ISE	N	3
SUNPARK	120-3/32IS MP, F	N	3
SUNPARK	U-4/32IS HP, F	N	4
SUNPARK	U-2/32IS HBF	H	2
SUNPARK	U-3/32ISE-HBF	H	3
SUNPARK	U-4/32IS HBF	H	4
SYLVANIA	QHE 1X32T8/UNV ISL-SC	L	1
SYLVANIA	QHE 2X32T8/UNV ISL-SC P	L	2
SYLVANIA	QHE 3X32T8/UNV ISL-SC	L	3
SYLVANIA	QHE 4X32T8/UNV ISL-SC P	L	4
SYLVANIA	QHE 1X32T8/UNV ISN-SC	N	1

MANUFACTURER	MODEL	BALLAST FACTOR	# OF LAMPS
SYLVANIA	QTP 1X32T8/UNV ISN-SC	N	1
SYLVANIA	QTP 2X32T8/UNV ISN-SC P	N	2
SYLVANIA	QHE 2X32T8/UNV ISN-SC P	N	2
SYLVANIA	QTP 3X32T8/UNV ISN-SC	N	3
SYLVANIA	QHE 3X32T8/UNV ISN-SC	N	3
SYLVANIA	QHE 4X32T8/UNV ISN-SC P	N	4
SYLVANIA	QHE 3X32T8/UNV ISH-SC	H	3
TCP	E3P32ISUNVLE	L	3
TCP	E3P32ISUNVE	N	3
TCP	E4P32ISUNVE	N	4
TCP	E2P32ISUNVHE	H	2
TCP	E4P32ISUNVHE	H	4
UNIVERSAL TRIAD	B232IUNVEL-A	L	2
UNIVERSAL TRIAD	B432IUNVHE L-A	L	4
UNIVERSAL TRIAD	B132IUNVHP-N	N	1
UNIVERSAL TRIAD	B232IUNVHP-N	N	2
UNIVERSAL TRIAD	B233IUNVHE-A	N	2
UNIVERSAL TRIAD	B232I120RES-A	N	2
UNIVERSAL TRIAD	B332IUNVHP-A	N	3
UNIVERSAL TRIAD	B432IUNVHP-A	N	4
UNIVERSAL TRIAD	B432I120RES-A	N	4
UNIVERSAL TRIAD	B232IUNVHEH-A	H	2

COMPATIBLE BALLASTS - PROGRAMMED/RAPID START:

MANUFACTURER	MODEL	BALLAST FACTOR	# OF LAMPS
GE	GE232-MVPS-N	N	2
GE	GE-232-MVPS-N	N	2
GE	GE-332-MVPS-N	N	3
GE	GE432-MVPS-N	N	4
PHILIPS ADVANCE	IOP-2PSP32-LW-N	L	2
PHILIPS ADVANCE	IOP-3PSP32-LW-SC	L	3
PHILIPS ADVANCE	IOP-4PSP32-LW-SC	L	4
PHILIPS ADVANCE	IOP-3PSP32-SC	N	3
PHILIPS ADVANCE	IOP-4PSP32-SC	N	4
SUNPARK	SL15T	N	2

MANUFACTURER	MODEL	BALLAST FACTOR	# OF LAMPS
SUPERIOR LIFE	70210	N	2
SUPERIOR LIFE	70211	N	4
SYLVANIA	QHE 4X32T8/UNV PSX-SC	L	4
SYLVANIA	QHE 2X32T8/UNV PSN-MC	N	2
SYLVANIA	QHE 3X32T8/UNV PSN-SC	N	3
SYLVANIA	QHE 4X32T8/UNV PSN-SC	N	4
SYLVANIA	QHE 2X32T8/UNV PSH-HT	H	2
UNIVERSAL TRIAD	B232PUNVHE-B	N	2
UNIVERSAL TRIAD	B332PUNVHE-A	N	3
UNIVERSAL TRIAD	B432PUNVHE-A	N	4



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KUMHO JAPAN

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LED

Fluorescent

Induction

Ceramic Metal Halide (CMH)

LED.

Linear Lamp

Bulb Type

PAR

MR16

Linear Panel Lamp

Canopy Lamp

Flood Light

Explosion Proof Light

Street Light

High Color Rendering

Home > Products > LED > Linear Lamp > Direct Replacement

Direct Replacement AC Direct Connection

Linear Lamp Direct Replacement

Features

- The World's only one! DLC-listed
Direct Replacement LED Linear Lamp
 - ▷ 22W 2,500lm ↑, 114lm/W ↑
- Direct Replacement lamps eliminate the expensive installation costs associated with other style LED retrofit products.
- Maximum Invert efficiency.
- World first ETL certification acquired as instant start ballast compatible style (2011.12.15)
 - ▷ ETL Certification / LM79 / LM80
- DLC certified, therefore eligible for rebate program.

Kumho's Earthcare Direct Replacement LED lamp plugs right in to existing fluorescent T8 fixtures, so there's no need to perform expensive, time-consuming rewiring. Switching to LEDs is as simple

Application

- Replaces 2ft ~ 4ft fluorescent lamps
- Residential, commercial and industrial structures

Specification

- Direct replacement: Plugs directly into existing fluorescent T8 lamp fixtures
- Energy efficient: Cuts energy usage by half compared to fluorescent T8s
- Environmentally friendly: No mercury or other hazardous materials
- Long lasting: 50,000 hour rated life reduces maintenance costs
- Beautiful light: 110 degrees of clear, uniform, flicker-free illumination

Smartium

Model name	Power Consumption (W)	Input Voltage (V)	Luminous Flux (lm)	Color Temperature (K)	Color Rendering (Ra)	Type	Size (mm)	Base	Qualification
Instant ballast									
FL/T8-17W/10W IU-350	10	110~277	900	3,500	80↑	2ft	Φ26*598	G13	ETL,DLC
FL/T8-17W/10W IU-410	10	110~277	1,080	4,100	80↑	2ft	Φ26*598	G13	ETL,DLC
FL/T8-17W/10W IU-500	10	110~277	1,080	5,000	80↑	2ft	Φ26*598	G13	ETL,DLC
FL/T8-25W/14W IU-350	14	110~277	1,350	3,500	80↑	3ft	Φ26*895	G13	ETL
FL/T8-25W/14W IU-410	14	110~277	1,440	4,100	80↑	3ft	Φ26*895	G13	ETL
FL/T8-25W/14W IU-500	14	110~277	1,440	5,000	80↑	3ft	Φ26*895	G13	ETL
FL/T8-32W/17W IU-300	17	110~277	1,800	3,000	80↑	4ft	Φ26*1198	G13	ETL
FL/T8-32W/17W IU-350		110~277		3,500	80↑	4ft	Φ26*1198	G13	ETL,DLC

	17		1,800						
FL/T8-32W/17W IU-410	17	110~277	1,920	4,100	80f	4ft	Ø26*1198	G13	ETL,DLC
FL/T8-32W/17W IU-500	17	110~277	1,920	5,000	80f	4ft	Ø26*1198	G13	ETL,DLC
FL/T8-32W/22W IU-35D	22	110~277	2,350	3,500	80f	4ft	Ø26*1198	G13	ETL
FL/T8-32W/22W IU-41D	22	110~277	2,500	4,100	80f	4ft	Ø26*1198	G13	ETL
FL/T8-32W/22W IU-50D	22	110~277	2,500	5,000	80f	4ft	Ø26*1198	G13	ETL
FL/T9-32W/16W IU-350	16	110~277	1,600	3,500	80f	4ft	Ø26*1198	G13	ETL,DLC
FL/T9-32W/16W IU-410	16	110~277	1,680	4,100	80f	4ft	Ø26*1198	G13	ETL,DLC
FL/T9-32W/16W IU-500	16	110~277	1,680	5,000	80f	4ft	Ø26*1198	G13	ETL,DLC
FL/T9-32W/20W IU-500	20	110~277	2,100	5,000	80f	5ft	Ø26*1498	G13	ETL
FL/T8-58W/22W IU-350	22	110~277	2,200	3,500	80f	5ft	Ø26*1524	G13	ETL
FL/T8-58W/22W IU-410	22	110~277	2,420	4,100	80f	5ft	Ø26*1524	G13	ETL
FL/T8-58W/22W IU-500	22	110~277	2,420	5,000	80f	5ft	Ø26*1524	G13	ETL
FL/T8-96W/44W IU-350	44	110~277	3,300	3,500	80f	8ft	Ø26*2367	Fa8	ETL
FL/T8-96W/44W IU-410	44	110~277	3,500	4,100	80f	8ft	Ø26*2367	Fa8	ETL
FL/T8-96W/44W IU-500	44	110~277	3,500	5,000	80f	8ft	Ø26*2367	Fa8	ETL
Magnetic Start ballast									
FL/T8-110W/55W MA-410	55	110~277	3,750	4,100	80f	8ft	Ø29*2396	Fa8	ETL
FL/T8-110W/55W MA-500	55	110~277	3,750	5,000	80f	8ft	Ø29*2396	Fa8	ETL

Products



KUMHO LED
FL/T8-110W/55W MA-500
80f / 8ft (2438mm) x 119mm (47.24in) x 26mm (1.02in)
110-277V AC, 50/60Hz, 55W (100lm/W)
ETL, DLC, FA8



KUMHO LED
FL/T8-32W/17W IU-500
80f / 8ft (2438mm) x 119mm (47.24in) x 26mm (1.02in)
110-277V AC, 50/60Hz, 32W (100lm/W)
ETL, DLC, G13



KUMHO LED
FL/T8-32W/22W IU-500
80f / 8ft (2438mm) x 119mm (47.24in) x 26mm (1.02in)
110-277V AC, 50/60Hz, 32W (100lm/W)
ETL, DLC, G13

* Smartium



KUMHO LED
FL/T8-32W/16W IU-500
80f / 8ft (2438mm) x 119mm (47.24in) x 26mm (1.02in)
110-277V AC, 50/60Hz, 32W (100lm/W)
ETL, DLC, G13

DOCUMENT DOWNLOAD

IES Files (zip)

Report

FLT832W17WU350_LM79_Single_Lamp.pdf
FLT832W17WU410_LM79_Single_Lamp.pdf
FLT832W17WU500_LM79_Single_Lamp.pdf
FLT832W22WU41D_LM79_SingleLamp.pdf
FLT832W22WU50D_LM79_SingleLamp.pdf

Illumination & Beam Profile

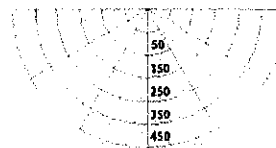
Brochure

LED17W_DR_R1-0.pdf
 LED17W_DR_R1-0-BW.pdf
 LED22W_DR_R1-1.pdf
 LED22W_DR_R1-1-BW.pdf

FL/T8-32W16W IU-410

0.5m	1,664 lx
1.0m	416 lx
1.5m	185 lx
2.0m	104 lx

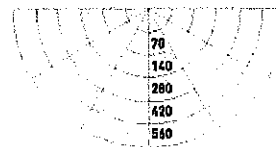
FL/T8-32W16W IU-410



FL/T8-32W17W IU-500

1.0m	688 lx
2.0m	172 lx
3.0m	76 lx
4.0m	43 lx

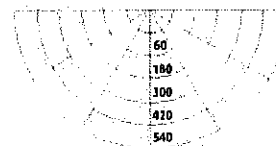
FL/T8-32W17W IU-500



FL/T8-32W20W IU-500

0.5m	2,097 lx
1.0m	524 lx
1.5m	233 lx
2.0m	131 lx

FL/T8-32W20W IU-500



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STUDENT CALENDAR

FAIRFIELD PUBLIC SCHOOLS

2016 - 2017

DRAFT

July							August							September (21)						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2		1	2	3	4	5	6					1	2	3
3	4	5	6	7	8	9	7	8	9	10	11	12	13	4	5	6	7	8	9	10
10	11	12	13	14	15	16	14	15	16	17	18	19	20	11	12	13	14	15	16	17
17	18	19	20	21	22	23	21	22	23	24	25	26	27	18	19	20	21	22	23	24
24	25	26	27	28	29	30	28	29	30	31				25	26	27	28	29	30	
31																				
4 Independence Day							29 All Teachers Report 30 Prof. Dev. Day - District Wide 31 Orientation for Grade 6 and Grade 9							1 First Day of School - Full Day 5 Labor Day						
October (19)							November (18)							December (17)						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1			1	2	3	4	5					1	2	3
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24
23	24	25	26	27	28	29	27	28	29	30				25	(26)	27	28	29	30	31
30	31																			
3 Rosh Hashanah 11 No After School or Evening Activities 12 Yom Kippur 18 Prof. Dev. Day (Elem.) Early Dismissal 19 Conf. Days (Elem. & Middle) Early Dismissal							8 Election Day/Prof. Dev. All Certified Staff 11 Veterans' Day 23 Early Dismissal 24, 25 Thanksgiving Recess							26 Holiday Week Begins 30 Holiday Week Ends						
January (20)							February (18)							March (23)						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	(2)	3	4	5	6	7				1	2	3	4				1	2	3	4
8	9	10	11	12	13	14	5	6	7	8	9	10	11	5	6	7	8	9	10	11
15	(16)	17	18	19	20	21	12	13	14	15	16	17	18	12	13	14	15	16	17	18
22	23	24	25	26	27	28	19	20	21	22	23	24	25	19	20	21	22	23	24	25
29	30	31					26	27	28					26	27	28	29	30	31	
2 New Year's Day 3 Schools Reopen 16 Martin Luther King Day							17 Prof. Dev. Day (Elem.) Early Dismissal 20 Prof. Dev. Day - All Certified Staff 20 Presidents' Day							Conf. Days (Elem. ONLY) Early Dismissal						
April (15)							May (22)							June (9)						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1		1	2	3	4	5	6					1	2	3
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30	
30																				
Conf. Day (Elem. ONLY) Early Dismissal 10 Spring Recess Begins 14 Good Friday 14 Spring Recess Ends							29 Memorial Day							13 Last Day for Students & Teachers (The first eight snow days will extend the length of the school year and the date of High School Graduation; additional snow days will reduce the April vacation beginning with the first day, April 10.)						

- ☐ Schools Not In Session
- ☐ Conference Days (Elem. & Middle) Early Dismissal
- ☐ Conference Days (Elem. ONLY) Early Dismissal
- ☐ Early Dismissal (Elementary ONLY)
- () State Required Holidays

**Regular Meeting Minutes
Fairfield BoE, September 8, 2015**

NOTICE: A full meeting recording can be obtained from Fairfield Public Schools. Please call 203-255-8371 for more information and/or see the FPS website (under Board Meeting Minutes) for a link to FAIRTV.

Call to Order of the Regular Meeting of the Board of Education and Roll Call

Chairman Philip Dwyer called the Regular meeting to order at 7:34PM. Present were members Eileen Liu-McCormack (arrived 7:37PM), Marc Patten (arrived 7:36PM), Donna Karnal, Jessica Gerber, Philip Dwyer, John Convertito, Paul Fattibene, Jennifer Maxon-Kennelly and John Llewellyn. Others present were Superintendent Dr. David Title, members of the Central Office Leadership Team, and approximately 50 members of the public.

Public Comment

Monique Sudikoff, Fairfield Resident: Disapproval of BOE time spent on procedural matters.

Lisa Davy, Fairfield Resident: Questions on district-wide initiatives.

Presentations

Fairfield Woods Middle School - History Day Competition Recognition

Dr. Rosato gave some background on the National History Day Competition that took place at the University of Maryland. He introduced Mrs. Warren, the 8th grade FWMS teacher who led the student group with its research. The students, Ethan Rodier, Peter Cullen, Matthew Holden, Mark Handler, and Samir Singh, were recognized for their entry on Igor Sikorsky. They were partially sponsored by the PTSA to attend the competition in Washington, DC. Dr. Rosato also recognized Mr. Sahagian and Dr. Pugliese for their additional support during the rigorous competition process.

Mr. Llewellyn asked if all middle schools participate. Dr. Pugliese said that it is not officially part of the curriculum, but he is looking for ways to expand this; the other schools participated on a smaller scale.

Mr. Convertito asked about the participation cost. Dr. Rosato said the PTSA offset the cost by \$150 per student, to attend the national event.

Mr. Llewellyn asked if the parents funded a portion and was told yes; parents funded the remainder.

Osborn Hill Building Committee Update

Dr. Title prefaced the presentation by thanking the committee members for their service and noted the partnership that occurred between the building committee and OHS staff. The OHS community has been very patient during this project.

Ms. Marshall, OHSBC Chair, said the project is at 99% completion with only minor punch list items remaining. The abatement work accounted for approximately 60% of the contingencies used. The walk-way was re-bid last spring with poor results and the plan is to put it out to bid once more, and use the remaining contingencies. Dr. Title mentioned that when the walkway issue was raised at the RTM, the decision was made to not appropriate more money; any remaining contingencies are returned to the Town, not the BOE. Mr. Dunn, OHSBC Vice-Chair, said it was smart to nominate such a knowledgeable person to lead the project, and that Ms. Marshall was a pleasure to work with. He also recognized Mrs. Gerber for her involvement and dedication. Mr. Dunn added that the window screens came with useless plastic clips and the team had to replace them with metal clips and safety screws; he recommended that future window project teams keep this in mind.

Mr. Patten asked what is left in the contingency and what the bids were. Ms. Marshall said the bids were close to 700K and there is approximately 275-300K remaining.

Dr. Title added that the window sun screens are an excellent security feature and this should be kept in mind going forward with other projects.

Mr. Dwyer thanked the presenters.

Overview of SBAC/CMT/CAPT Results

Dr. Title thanked Dr. Boice and Mr. Cummings for the rapid turn-around of the recently released test scores, as detailed in the enclosure. Mr. Cummings explained that while still at the point of early discovery, the district's performance vs. the state's performance was very strong and the SBAC testing was largely successful. Free-reduced lunch and English Language Learners may account for some differences in scores among buildings; district and school data teams will be looking at this data in more detail. He cautioned that different assessments are not easy to compare. Dr. Title said that smaller school populations can skew results and patterns will be examined.

Dr. Boice said the curriculum that is currently in place helped the district. The SBAC discrepancy between the 2 high schools does not exist for CAPT, and this will be further analyzed; a process will be outlined for each school to further study the results. Dr. Title added that that he is concerned about the aberration at the high schools and mentioned that students may have mentally opted out. Dr. Boice said that the SAT scores declined very slightly. Warde has a higher AP enrollment, and the same discrepancy does not exist for the AP scores. She gave tribute to the teachers who teach students prior to taking AP classes and said the students are doing a great job.

Mrs. Liu-McCormack asked if future analysis will include comparing scores with our DRG to see if the new curriculum has raised the district in the rankings versus our peers as we would hope. She also asked for a review of the ELA and Math curricula. Dr. Title said the Math K-12 status update is tentatively scheduled for April. He added that the SBAC test window extended from March to the end of May and was much wider than for the CMT. He has concerns about the results across many districts; the extent to which students were prepared is a big factor and he will be happy to share the results of the analysis.

Ms. Liu-McCormack said it would be interesting to see if there was a pattern and felt that relativity is important. She would prefer an elementary curriculum review for ELA and Math in November and discussed a motion to make that happen. She would rather not wait an entire year as the curriculum has already been in place for at least 2 years, that way we would be free to implement something sooner.

Mr. Dwyer said the curriculum review schedule is in the budget book; a 6 member vote is required to add an agenda item.

Mrs. Liu-McCormack moved, Mr. Llewellyn seconded to add an item to the agenda to discuss acceleration of review of the ELA and Math Elementary curriculum to November.

Mr. Convertito questioned the addition of a discussion item to the agenda. His understanding from Mrs. Liu-McCormack is that she wants a motion to put it on the agenda, not to discuss it.

Mr. Llewellyn requested a friendly amendment to remove 'discuss.' This was accepted by Mrs. Liu-McCormack as long as it was clear to all members of the Board.

Mr. Dwyer asked if anyone on the Board objected; no one did.

Mr. Fattibene asked about normal process for ELA review and the interim review cycle. Dr. Title said the normal review cycle is the following year, due to a phased implementation.

Mr. Llewellyn made a friendly amendment to drop the Math and focus on ELA, but this was not accepted.

Mrs. Liu-McCormack said it has been 2+ years since both the ELA and Math curriculum has been implemented. Way too much time will have gone by before we have time to discuss. A discussion sooner rather than later is best for the district.

Mrs. Maxon-Kennelly said the curriculum review will cover K-12 and Mr. Chiappetta confirmed that the secondary curriculum was implemented one year ago.

Mr. Patten was not in favor of adding to the agenda; the staff did not have time to prepare.

Mr. Llewellyn read from the June 2012 minutes that the ELA, PK-5 curriculum was voted on in June 2012. Dr. Boice said she was referencing the secondary ELA curriculum.

Mrs. Liu-McCormack said she was referring to an elementary curriculum review.

Mr. Dwyer said the curriculum had previously been adopted in chunks and is now reviewed K-12 for consistency; the systematic way is the proper way to have a review; he is against the motion.

Mrs. Gerber re-read the motion: to add an item to the agenda to accelerate an earlier review of the ELA and Math Elementary curriculum.

Mrs. Liu-McCormack said the point is that she believes we should have reviews done with more frequency and urgency.

Mr. Llewellyn disagreed with lumping the PK-5 curriculum review with the overall K-12 review, as this would mean a 7 year review cycle for this curriculum as approved in June 2012.

Public Comment:

Monique Sudikoff, Lockwood Road: Misuse of the public's time.

Mr. Fattibene questioned allowing public comment on items not currently on the agenda

Mr. Dwyer acknowledged that point but said he will allow remaining commenters since he allowed one already.

Suzanne Miska, Ryegate Road: Importance of adding agenda items in the interest of transparency and accountability.

Gina Luczaj, Fairfield: Questioned whether a review would accelerate change.

Motion Failed: 3-5-1

Favor: Mrs. Liu-McCormack, Mr. Fattibene, Mr. Llewellyn

Oppose: Mr. Patten, Mrs. Gerber, Mr. Dwyer, Mr. Convertito, Mrs. Maxon-Kennelly against;

Abstain: Ms. Karnal

Mr. Convertito asked for an overview of the differences between the CMT and the SBAC. He disagrees with analyzing the comparison of test results for these 2 tests and felt it would be a waste of time. He said he was worried about the anomaly at the high schools. Dr. Boice said the SBAC is an adaptive test given on the computer; subsequent questions might change depending on the answer provided. Mr. Cummings said CMT questions ask the readers to bring their thinking, while SBAC is more author interpretation. In Math, the greatest impact is the multi-step process and is a more complex level of work. Dr. Boice said the district will move towards a day-time PSAT this year, which will be another good indicator. Dr. Title added that the CMT is going away and the new SAT is supposed to be aligned with the common core.

Mr. Llewellyn questioned whether the data was by strand or total levels. He is interested in what might be driving the high school discrepancy and asked for a report to the Board on how teacher tenure affects achievement. Dr. Boice said there is so much data, there is a tremendous amount of work to do. Mr. Cummings mentioned that the district will be looking at all factors that impact classroom instruction; the impact of tenured teachers is just one example.

Mr. Dwyer said it is premature to suggest a target date for a return of this discussion until further study is completed. Dr. Title agreed; the data needs more analysis.

Mr. Llewellyn said that students who opted out were not counted. Dr. Title added that because the full census was not tested, we now have a sample that might artificially inflate or deflate scores.

Mr. Llewellyn said that while AP enrollment is up, high AP scores are down.

Mr. Patten asked if the table numbers in the enclosure were percentages and was told yes. He asked if the state will consider a uniform SBAC testing cycle; Dr. Title said technology varies widely across the state and the schedule is not yet available. Dr. Boice added that scheduling students into the computer lab is a logistical nightmare. Mr. Patten mentioned this should be a consideration when discussing the tech budget.

Mrs. Maxon-Kennelly asked when individual scores will be available and was told sometime in September. She felt the high school discrepancy was in large part due to apathy, and felt that focus groups should be a starting

point of the analysis. She asked if the Math SBAC is more language-based than the CMT. Mr. Cummings said the CMT 4th generation became more language-based and the trend is continuing. Mrs. Maxon-Kennelly requested a follow-up report on the review of strand data.

Ms. Karnal welcomed Mr. Cummings and asked about the percent level decrease at Dwight as shown in Table 4. Mr. Cummings cautioned that different groups of students are represented and each student at Dwight carries a greater weight due to the lower number of students there. There is overwhelming evidence that things are working very well in Fairfield but we are always striving to do better.

Ms. Karnal questioned the layout of the AP Results chart; Dr. Boice explained the chart and said it has been historically reported this way. Dr. Title said College Board uses a metric of 3 and higher and that grade 12 as represented in the chart includes all students and not just those in grade 12.

Mr. Convertito expressed concern about the tendency to develop curriculum that might follow the SAT blueprint. Dr. Boice said curricula is not designed for the assessment; it is developed with state standards on what students should know or be able to do; the assessment measures certain pieces of the curriculum. Dr. Title said there is value in looking at sub-strands to see how well the student is achieving.

Mr. Dwyer said it will be 2-3 years before we get comparable data; there is more to evaluating a student than these assessments and a balance must be maintained.

<i>New Business</i>

2015-2016 District-Wide Initiatives

Dr. Title gave an overview of the enclosure and said it was an aggressive priority list that did not include the day to day operations or improvements specific to a particular school or department. Where applicable, the corresponding District Improvement Plan Specific Action is included. Some of the work is ongoing and continuing, some of the work is multi-year.

Mrs. Maxon-Kennelly asked:

1. Why was the high school survey not included? Dr. Title said the survey went out over the summer and is a data point.
2. How will the direction for #5 be set? Dr. Title said parents had concern over this and it will be addressed in part through vertical rounds, as stated in #12.
3. What is the status of #10? Dr. Boice said the state has a requirement for student success plans to be in place for grades 6-12, the high schools have started work on this already and the middle schools will have it in place this year. Dr. Rosato said there will be, periodically, dedicated time in the morning where homeroom could be divided into smaller groups and there will be a go-to person within the building to help with the transition from middle to high school.
4. What is the point of focus for #14? Dr. Title said the language was chosen by the Board and is very broad. Ms. Leonardi said the integrated learning model is being implemented. The focus on social and emotional learning will take place in part via community service projects and by implementing positive behavioral supports.
5. Will existing staff be used for #25? Ms. Leonardi said an outside vendor will provide very intense therapeutic supports to keep kids within district. In addition, school-based mental health services have been re-aligned to focus on prevention.

Mr. Convertito asked if that will address those students who, in the school climate survey, reported feeling alienated. Ms. Leonardi said that there is a layered approach. Tier 1 Model serves most, the Tier 3 and 4 Models focus where intense services are offered. The hope is that by additional supports, the staff can focus on prevention and help build resiliency.

Mr. Fattibene asked if this included mental health supports and early intervention resources for students who might not have received support in the past; not necessarily intense supports. Ms. Leonardi said yes.

Mr. Patten asked:

1. What is the academic transition related to #5, particularly to grade 6; will both 5th and 6th grade teachers be involved, such as through instructional rounds? Dr. Title said there will be an academic prep and teachers from both levels will be involved.
2. Would #27 include grade book at the elementary level? Mr. Cummings said that the standards-based report card does not translate well in a daily or weekly update; there will be a progress report as opposed to grade-based progress. This will involve a dialogue with parents. The plan is to use Infinite Campus more often.

Mrs. Gerber asked:

1. What is the timeline for #11? Mr. Cummings said that work has begun and the hope is that the School Improvement Plans will be done by October for alignment with teacher goal-setting.
2. What is #19? Ms. Leonardi said that it is a 6 part series (include sessions with the special education attorney), for administrators in order to address the Special Education processes in an effort to improve day-to-day processes. This is being offered as a result of principal feedback.
3. Will teachers eventually be involved in this? Ms. Leonardi said this already takes place.

Mrs. Liu-McCormack asked:

1. #1 and #4 should specifically say K-5 as previously discussed, the current statements are very broad, she believed it should be brought back to kindergarten and that that was what the Board had voted on. Dr. Title said that while a K-5 program may be developed, it may not be possible to implement all at once; the goal was to look at K-5, but there is no guarantee that it will happen immediately. The World Language enhancements were already presented last year to the Board. Mr. Dwyer said there are budget implications. Mrs. Liu-McCormack asked if K-5 is just going to be discussed or actually implemented. Dr. Title said he is hoping to get a more detailed report for the Board prior to the budget discussion.
2. Does #5 involve note-taking skills and organizational skills? Dr. Title responded that the first phase is to identify the problem.
3. Will this be developed this year and will it be reported back to the Board? Dr. Title said yes, he doesn't expect any major budget implications with this and will be happy to share with the Board.

Mrs. Gerber asked about #9, what percent of PD will address this? Mrs. Parks said this was started last year by first identifying teacher needs. It is now ongoing work. Mr. Hatzis said time management and quality instruction are addressed. Mr. Ebling said that both high schools are establishing collaborative teams around teaching in the block.

Ms. Karnal asked if there was any feedback on the new schedule. Mr. Ebling said students have reported that the day goes faster and they are enjoying it. Mr. Hatzis said the students are adapting and it was one of the smoothest school openings that he has experienced.

Mr. Llewellyn asked:

1. Parents have asked about the Capstone Project. Dr. Title said that while it is not yet a requirement, the district is building towards it, a good explanation of it exists on page 23 in the District Improvement Plan. The idea is a way for students to bring learning together. This is legislation that has been passed and postponed; it has significant educational merit.
2. More information on #20 and #21? Mrs. Leffert explained the 3 day teacher induction that is expanded every year. The New Teacher Academy will be developed internally and qualified applicants will be asked for a sample lesson plan.

Mrs. Maxon-Kennelly asked, in terms of a survey, is something being used currently? Mrs. Leffert said that teachers already use a questionnaire and look at evidence for more effective teaching.

Mr. Llewellyn asked if the TIPS line was working. Ms. Leonardi said yes, the fear of false reporting has not proven true. It has been a useful tool.

Ms. Karnal asked how teacher knowledge of subject matter is gauged during the interview process. Mrs. Leffert said all teachers need subject specific assessments to get certified, and current staff also assists with question development.

<i>Approval of Minutes</i>

Approval of Minutes of the August 25, 2015 Regular Meeting

Mrs. Maxon-Kennelly moved, Mrs. Gerber seconded that the Board of Education approve the Minutes of the Regular Meeting of August 25, 2015.

Mrs. Liu-McCormack said that while she did not attend the August 25 Meeting, she took issue with a statement in the minutes attributed to Mr. Dwyer towards the bottom of page 2. She said she believed that she and Mr. Dwyer never had a discussion about or made comments about the Re-districting Committee commission statement. She believes there is no point in having the statement in there as she did not have a conversation on the commission statement.

Mr. Dwyer said the referenced sentence appears to be a run-on; he did make the comment that Mrs. Liu-McCormack did not provide any feedback on the commission statement.

Mr. Llewellyn asked if Mrs. Liu-McCormack had a proposed change to the language amendment.

Mrs. Liu-McCormack said she believes the comment should be struck because it implies she had a conversation that she didn't have; it is superfluous.

Mr. Dwyer said that he did make the comment at the meeting.

Motion Passed: 6-3

Favor: Mr. Patten, Ms. Karnal, Mrs. Gerber, Mr. Dwyer, Mr. Convertito, Mrs. Maxon-Kennelly

Oppose: Mrs. Liu-McCormack, Mr. Fattibene, Mr. Llewellyn

Mr. Llewellyn made a point of order and asked Mrs. Gerber that Mrs. Liu-McCormack's previous comment be added to the minutes of the current meeting.

<i>Superintendent Report</i>

Opening of School Update

Dr. Title reviewed the First Day Enrollment numbers and reminded everyone that the count is not official until October 1. He noted that there are fewer students in the elementary grades and that registrations are ongoing. The numbers at the secondary level are very close as projected.

Mrs. Leffert reviewed the certified staffing update; there is a net change of +9.7 FTE. Some recently hired staff will be joining the district shortly. Dr. Title explained that late hires after August 1 are sometimes held by their previous district for 30 days or until a replacement can be found; this is based on agreements between superintendents.

Mrs. Karnal asked if these positions existed within the budget. Mrs. Leffert said no - there was no choice in hiring due to section additions at the elementary level and an increase in course selection changes at the secondary level.

Mr. Dwyer added that the Superintendent is tasked with budget adjustments in these cases to balance the budget. Dr. Title explained that the Board has a long standing practice of class size limits for the elementary level and district-wide equity is maintained.

Ms. Karnal moved, Mr. Llewellyn seconded to add a topic of exit interviews to the agenda.

Ms. Karnal wants to understand why teachers are leaving the district.

Mr. Llewellyn asked for the number of resignations and retirements for the last fiscal year. Mrs. Leffert responded that there were 22 retirements and 44 resignations. Mr. Llewellyn asked why such a significant number, particularly the spike over the last 4 years?

Mrs. Maxon-Kennelly fully supports the topic of exit interviews, but does not support adding it to the agenda at the late hour of 10:35 without the staff having any preparation.

Mr. Llewellyn made a friendly amendment, accepted by Ms. Karnal to add this item to the next agenda.

Mr. Dwyer asked if anyone objected, no one did

Mrs. Gerber re-read the motion, “to add a topic of exit interviews to the agenda of the next regular Board meeting”

Mr. Convertito was not clear on the motion and asked if it was a discussion item to be added; procedurally, this is not proper to add to a future agenda.

Ms. Karnal wanted to better understand what administration work would be needed.

Mr. Dwyer said the motion is for the current agenda per the By-laws; future agendas are prepared by the Superintendent in consultation with the Board Chair, Vice Chair and Secretary.

Mrs. Gerber re-read the motion: “to add a topic of exit interviews to the agenda.”

Mr. Llewellyn asked if he could add it to the next agenda, Mr. Dwyer said he wanted to deal with the motion on the table, and said to add a topic to the next meeting’s agenda would be changing the By-laws.

Ms. Karnal said she was not looking to change bylaws, and reiterated her question of what administration work is required, Mr. Dwyer said it is acknowledgement that staff may have to do work, but first the motion is on adding an agenda item.

Mr. Llewellyn made a point of order to ask whether a 2/3 vote of the Board can add a topic to a future agenda, and expressed his frustration at trying to add an item to the agenda, which has been attempted before.

Mr. Dwyer said no.

Mr. Convertito said he would have to consult the policy manual.

Mrs. Gerber re-read the motion: “to add a topic of exit interviews to the agenda.”

Mrs. Maxon-Kennelly asked for the sake of consistency whether public comment would be allowed and Mr. Dwyer said no, in keeping with Mr. Fattibene’s previous comment that public comment should only be invited for current agenda items.

Mrs. Liu-McCormack said point of order, this was not being consistent.

Mrs. Gerber re-read the motion: “to add a topic of exit interviews to the agenda.”

Mr. Convertito said he does not support the motion but is willing to review this and also review hiring practices in policy committee. He believes the hiring practices are in the policy manual and those would have to be amended.

Motion Failed: 4-5

Favor: Mrs. Liu-McCormack, Ms. Karnal, Mr. Fattibene, Mr. Llewellyn

Oppose: Mr. Patten, Mrs. Gerber, Mr. Dwyer, Mr. Convertito, Mrs. Maxon-Kennelly

Mr. Llewellyn asked how the pink sheet should be read with regards to sections added or dropped – is it done September vs. June? Dr. Title suggested he look in the budget book to see the budgeted sections by school and Mrs. Leffert said the net was 4 sections.

Committee/Liaison Reports

Mr. Convertito said the first Redistricting Committee meeting was held and is currently in the process of reviewing older guidelines and principles.

Mr. Llewellyn said he attended the CES meeting. They went through a lot of good information with the Commissioner regarding testing. The state is working on its 5-year strategic plan, the theme is equity and excellence. Parents and staff are invited to participate in focus groups.

Mrs. Gerber said the FLHSBC will have the first meeting tomorrow in the teacher’s lounge.

Mr. Dwyer said the Board of Finance Town-wide Capital Planning Workshop takes place on 9/15.

Open Board Comment

Mrs. Maxon-Kennelly said the retirement party for Mr. Jim Coyne will take place on 9/24 at the Brooklawn Country Club. Those wishing to attend should RSVP.

Mrs. Gerber mentioned that she attended the FLHS National Honor Society induction in May and read a list of schools where some of the students will be attending including Georgetown, MIT, Lehigh, Carnegie Mellon,

DRAFT

Brown, and Duke among others. Additionally, the Fairfield Living magazine features outstanding Fairfield students in the latest issue.

<i>Adjournment</i>

Mr. Convertito moved, Mrs. Maxon-Kennelly seconded that this Regular Meeting of the Board of Education adjourn.

Motion Passed: 9-0

Meeting adjourned at 10:51PM

*Respectfully Submitted by
Jessica Gerber
Fairfield Board of Education
Secretary*

NEW HIRE EXPERIENCE COMPARISON

CERTIFICATION	2012-2013	2013-2014	2014-2015	2015-2016
BACHELOR'S, STEP 1	10	12	6	7
BACHELOR'S, STEP 2-5	6	2	3	8
BACHELOR'S, STEP 6-10	2	2	4	1
MASTER'S, STEP 1	31	21	23	11
MASTER'S, STEP 2-5	10	2	8	12
MASTER'S, STEP 6-9	4	5	6	11
MASTER'S, STEP 10-14	2	2	3	4
MASTER'S STEP 15-22	0	0	1	1
SIXTH YEAR, STEP 1-5	8	4	8	3
SIXTH YEAR, STEP 6-9	2	3	6	5
SIXTH YEAR, STEP 10-14	3	4	1	7
SIXTH YEAR, STEP 15-22	0	1	1	1
				1
TOTAL	78	58	70	72
RETIREEES	28	18	39	22

14-15 Resignations

Mutual Agreement*	13
Work closer to home	6
Move out of state	6
LOA expired, raising family	6
Opportunity in another district	6
Administrative position	3
Wanted full-time position; not available	2
Wanted part-time position; not available	1
Certification expired June 30, 2015	<u>1</u>
TOTAL	44

*not meeting district performance standards



Doreen Munsell
Director of Finance and Business Services

To: David G. Title, Superintendent
Board of Education
Board of Finance
Board of Selectmen
Representative Town Meeting Leadership

From: Doreen Munsell, Director of Finance and Business Services

Date: September 18, 2015

Subject: 2014 – 2015 Fiscal Year – Financial Statement as of July 31, 2015

Attached you will find the final, pre-audit accounting of 2014 – 2015 expenditures by account classification. Projected expenditures and budget transfer requests (Col 1 and 2) were provided to the Board of Education for its June 23, 2015 meeting. The Board of Education approved the requested budget transfers which transferred the \$700,000 savings from additional retirees and \$160,000 in security funds, and aligned the budget to projected expenses at that point in time.

Expenditures and encumbrances were wrapped up on June 30, 2015 (Col 3) and residual balances of \$500,000 were transferred (Col 4) into the health insurance account and paid to the medical retention fund. On July 31, 2015 the 2014 – 2015 fiscal year was officially closed. Throughout the month of July wages earned and invoices incurred within the fiscal year are paid with 2014 - 2015 funds. At the same time, encumbrances are paid and/or released based on final invoices. On July 31, 2015 we had a balance of \$228,796 (Col 6) as a result of these transactions and an additional \$228,794 was deposited into medical retention (Col 7). After a concerted effort to maximize deposits into the medical retention fund to mitigate our obligation, our official final balance (Col 8) at the close of the fiscal year was \$.51.

The attached information is considered final and was reported in the ED 001 State Financial Report prior to the September 1 deadline. The subsequent transfers were required to officially close the fiscal year by July 31 in preparation for the September 1 filing deadline. The 2014 -2015 fiscal year and ED 001 report will be audited by independent auditors and an audited financial report will be issued prior to December 31.

Statement of Account - Summary by Major Classification and Summary Object

7/31/2015 5:21:16 PM

Fairfield Public Schools
Fiscal Year 2014-2015

Major Classification Summary Object	Appropriation As Adopted	Spec Approp and Transfers	Appropriation Amended	Total Expenditures	Outstanding Encumbrance	Outstanding Requisitions	Unencumbered Balance	% Used
Personnel Services								
101 TEACHING STAFF	\$68,921,138.00	(\$1,747,881.00)	\$67,173,257.00	\$67,173,220.35	\$0.00	\$0.00	\$36.65	100.00%
103 CERTIFIED SUPPORT STAFF	\$6,303,191.00	(\$105,171.00)	\$6,198,020.00	\$6,198,029.38	\$0.00	\$0.00	(\$9.38)	100.00%
105 SCHOOL ADMIN STAFF	\$5,495,738.00	(\$26,042.00)	\$5,469,696.00	\$5,469,709.23	\$0.00	\$0.00	(\$13.23)	100.00%
107 CENTRAL ADMINISTRATION STAFF	\$1,052,097.00	\$19,266.00	\$1,071,363.00	\$1,071,364.78	\$0.00	\$0.00	(\$1.78)	100.00%
109 DIRECTOR/SUPERVISOR/MGR	\$699,249.00	(\$77,875.00)	\$621,374.00	\$621,373.08	\$0.00	\$0.00	\$0.92	100.00%
111 SECRETARIAL/CLERCL STAFF	\$3,220,423.00	\$170,266.00	\$3,390,689.00	\$3,390,681.98	\$0.00	\$0.00	\$7.02	100.00%
113 PARAPROFESSIONAL STAFF	\$3,075,932.00	(\$75,631.00)	\$3,000,301.00	\$3,000,295.31	\$0.00	\$0.00	\$5.69	100.00%
115 CUSTODIAN STAFF	\$3,665,167.00	\$110,897.00	\$3,776,064.00	\$3,776,070.48	\$0.00	\$0.00	(\$6.48)	100.00%
117 MAINTENANCE STAFF	\$968,953.00	\$6,151.00	\$975,104.00	\$975,104.77	\$0.00	\$0.00	(\$0.77)	100.00%
121 SUPPORT STAFF	\$1,182,226.00	\$47,020.00	\$1,229,246.00	\$1,229,246.51	\$0.00	\$0.00	(\$0.51)	100.00%
123 INFO TECH SUPPORT STAFF	\$837,063.00	\$2,696.00	\$839,759.00	\$839,760.22	\$0.00	\$0.00	(\$1.22)	100.00%
125 SE TRAINER STAFF	\$701,119.00	(\$42,846.00)	\$658,273.00	\$658,276.37	\$0.00	\$0.00	(\$3.37)	100.00%
129 PART-TIME EMPLOYMENT	\$2,614,711.00	\$932,234.00	\$3,546,945.00	\$3,546,957.54	\$0.00	\$0.00	(\$12.54)	100.00%
131 WAGE/BENEFIT RESERVE	\$754,953.00	(\$553,210.00)	\$201,743.00	\$201,742.66	\$0.00	\$0.00	\$0.34	100.00%
133 STAFF REPLACEMENT	(\$460,000.00)	\$460,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	#Div/0!
135 DEGREE CHANGES	\$181,800.00	(\$181,800.00)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	#Div/0!
307 OTHER SERVICES	\$1,295,727.00	(\$41,647.00)	\$1,254,080.00	\$1,254,081.29	\$0.00	\$0.00	(\$1.29)	100.00%
Total for Personnel Services	100,509,487.00	(\$1,103,573.00)	\$99,405,914.00	\$99,405,913.95	\$0.00	\$0.00	\$0.05	100.00%
Fixed Charges								
201 HEALTH INSURANCE	\$19,277,991.00	\$1,588,794.00	\$20,866,785.00	\$20,866,787.00	\$0.00	\$0.00	(\$2.00)	100.00%
203 LIFE/DISABILITY INSURANCE	\$263,815.00	(\$17,274.00)	\$246,541.00	\$246,540.63	\$0.00	\$0.00	\$0.37	100.00%
205 SOCIAL SECURITY	\$2,178,329.00	\$49,345.00	\$2,227,674.00	\$2,227,674.03	\$0.00	\$0.00	(\$0.03)	100.00%
207 PENSION/RETIREMENT	\$2,229,000.00	\$14,153.00	\$2,243,153.00	\$2,243,152.54	\$0.00	\$0.00	\$0.46	100.00%
Total for Fixed Charges	\$23,949,135.00	\$1,635,018.00	\$25,584,153.00	\$25,584,154.20	\$0.00	\$0.00	(\$1.20)	100.00%
Pupil Personnel Expense								
301 INSTRUCTIONAL SERVICES	\$80,000.00	(\$26,912.00)	\$53,088.00	\$53,088.39	\$0.00	\$0.00	(\$0.39)	100.00%
303 PUPIL PERSONNEL SERVICES	\$1,250,487.00	\$152,222.00	\$1,402,709.00	\$1,376,189.13	\$26,550.00	\$0.00	(\$30.13)	100.00%
307 OTHER SERVICES	\$334,100.00	\$45,707.00	\$379,807.00	\$371,557.64	\$8,250.00	\$0.00	(\$0.64)	100.00%
315 RENTALS	\$14,350.00	(\$653.00)	\$13,697.00	\$13,697.00	\$0.00	\$0.00	\$0.00	100.00%
317 STUDENT TRANSPORTATION	\$151,277.00	\$1,187.00	\$152,464.00	\$152,463.78	\$0.00	\$0.00	\$0.22	100.00%
319 CONFERENCE & TRAVEL	\$34,102.00	(\$11,492.00)	\$22,610.00	\$22,580.13	\$0.00	\$0.00	\$29.87	99.87%
327 PRINTING/COPYING	\$6,800.00	\$0.00	\$6,800.00	\$6,799.09	\$0.00	\$0.00	\$0.91	99.99%
329 TUITION	\$4,888,807.00	(\$503,765.00)	\$4,385,042.00	\$4,385,041.69	\$0.00	\$0.00	\$0.31	100.00%
401 INSTRUCTIONAL SUPLS/MATLS	\$30,000.00	\$7,001.00	\$37,001.00	\$36,240.60	\$760.10	\$0.00	\$0.30	100.00%
404 SPLS, BKS, MATLS-DIST SUPPORT	\$16,500.00	(\$5,713.00)	\$10,787.00	\$9,257.83	\$1,529.28	\$0.00	(\$0.11)	100.00%
411 TEXTBOOKS	\$3,000.00	\$8,116.00	\$11,116.00	\$11,116.26	\$0.00	\$0.00	(\$0.26)	100.00%
415 OTHER SUPPLIES/MATERIALS	\$1,000.00	(\$217.00)	\$783.00	\$783.39	\$0.00	\$0.00	(\$0.39)	100.05%
601 DUES AND FEES	\$735.00	\$749.00	\$1,484.00	\$1,484.44	\$0.00	\$0.00	(\$0.44)	100.03%
Total for Pupil Personnel Expense	\$6,811,158.00	(\$333,770.00)	\$6,477,388.00	\$6,440,299.37	\$37,089.38	\$0.00	(\$0.75)	100.00%

Statement of Account - Summary by Major Classification and Summary Object

7/31/2015 5:21:17 PM

Fairfield Public Schools
Fiscal Year 2014-2015

Major Classification Summary Object	Appropriation As Adopted	Spec Approp and Transfers	Appropriation Amended	Total Expenditures	Outstanding Encumbrance	Outstanding Requisitions	Unencumbered Balance	% Used
School Expenses								
129 PART-TIME EMPLOYMENT	\$18,799.00	(\$5,677.00)	\$13,122.00	\$13,122.59	\$0.00	\$0.00	(\$0.59)	100.00%
301 INSTRUCTIONAL SERVICES	\$6,000.00	\$1,569.00	\$7,569.00	\$6,413.80	\$1,155.45	\$0.00	(\$0.25)	100.00%
307 OTHER SERVICES	\$67,955.00	(\$7,972.00)	\$59,983.00	\$53,331.08	\$6,663.80	\$0.00	(\$11.88)	100.02%
315 RENTALS	\$59,488.00	(\$6,735.00)	\$52,753.00	\$52,752.36	\$0.00	\$0.00	\$0.64	100.00%
317 STUDENT TRANSPORTATION	\$42,123.00	(\$6,966.00)	\$35,157.00	\$31,414.68	\$3,741.22	\$0.00	\$1.10	100.00%
319 CONFERENCE & TRAVEL	\$61,165.00	(\$18,330.00)	\$42,835.00	\$40,826.09	\$2,010.00	\$0.00	(\$1.09)	100.00%
327 PRINTING/COPYING	\$257,848.00	(\$11,838.00)	\$246,010.00	\$236,773.46	\$9,231.34	\$0.00	\$5.20	100.00%
400 SUPPLIES, BOOKS & MATERIALS	\$1,518,655.00	(\$70,135.00)	\$1,448,520.00	\$1,370,203.30	\$78,296.00	\$0.00	\$20.70	100.00%
402 INSTRUCTIONAL SPLS-DIST SUPPRT	\$41,000.00	(\$6,432.00)	\$34,568.00	\$32,222.29	\$2,346.21	\$0.00	(\$0.50)	100.00%
409 STUDENT ACTIVITY EXPENSES	\$576,290.00	(\$5,519.00)	\$570,771.00	\$550,984.71	\$19,784.73	\$0.00	\$1.56	100.00%
415 OTHER SUPPLIES/MATERIALS	\$19,172.00	(\$1,787.00)	\$17,385.00	\$15,485.91	\$1,913.60	\$0.00	(\$14.51)	100.08%
601 DUES AND FEES	\$24,411.00	(\$1,181.00)	\$23,230.00	\$23,192.93	\$37.00	\$0.00	\$0.07	100.00%
Total for School Expenses	\$2,692,906.00	(\$141,003.00)	\$2,551,903.00	\$2,426,723.20	\$125,179.35	\$0.00	\$0.45	100.00%
Support Expenses								
301 INSTRUCTIONAL SERVICES	\$55,174.00	(\$11,455.00)	\$43,719.00	\$43,521.59	\$197.73	\$0.00	(\$0.32)	100.00%
305 PROFESSIONAL/TECHNICAL SVCS	\$569,336.00	\$416,368.00	\$985,704.00	\$974,157.20	\$11,546.28	\$0.00	\$0.52	100.00%
307 OTHER SERVICES	\$2,100.00	\$25,123.00	\$27,223.00	\$27,223.10	\$0.00	\$0.00	(\$0.10)	100.00%
309 SECURITY SVCS/EXPENSES	\$300,000.00	(\$155,252.00)	\$144,748.00	\$144,747.70	\$0.00	\$0.00	\$0.30	100.00%
313 MAINTENANCE SERVICES	\$563,263.00	\$33,373.00	\$596,636.00	\$595,849.29	\$786.30	\$0.00	\$0.41	100.00%
319 CONFERENCE & TRAVEL	\$44,900.00	(\$4,652.00)	\$40,248.00	\$40,246.52	\$0.00	\$0.00	\$1.48	100.00%
321 PROFESSIONAL DEVELOPMENT	\$605,886.00	(\$105,802.00)	\$500,084.00	\$489,573.55	\$10,509.51	\$0.00	\$0.94	100.00%
323 POSTAGE	\$88,207.00	(\$24,821.00)	\$63,386.00	\$62,563.25	\$822.66	\$0.00	\$0.09	100.00%
325 PERSONNEL/RECRUITMENT EXP	\$26,000.00	\$2,510.00	\$28,510.00	\$28,510.47	\$0.00	\$0.00	(\$0.47)	100.00%
327 PRINTING/COPYING	\$80,350.00	(\$18,249.00)	\$62,101.00	\$59,989.52	\$2,110.35	\$0.00	\$1.13	100.00%
329 TUITION	\$353,706.00	(\$64,523.00)	\$289,183.00	\$289,183.00	\$0.00	\$0.00	\$0.00	100.00%
401 INSTRUCTIONAL SUPLS/MATLS	\$697,414.00	(\$14,414.00)	\$683,000.00	\$682,276.52	\$724.71	\$0.00	(\$1.23)	100.00%
403 OFFICE/GENERAL SUPPLIES	\$14,500.00	(\$2,458.00)	\$12,042.00	\$12,043.77	\$0.00	\$0.00	(\$1.77)	100.01%
404 SPLS, BKS, MATLS-DIST SUPPORT	\$13,500.00	(\$7,780.00)	\$5,720.00	\$5,720.75	\$0.00	\$0.00	(\$0.75)	100.01%
411 TEXTBOOKS	\$5,330.00	\$879.00	\$6,209.00	\$6,208.53	\$0.00	\$0.00	\$0.47	99.99%
415 OTHER SUPPLIES/MATERIALS	\$127,770.00	(\$8,921.00)	\$118,849.00	\$118,218.61	\$630.81	\$0.00	(\$0.42)	100.00%
424 OTHER SUPPLIES	\$8,000.00	(\$3,592.00)	\$4,408.00	\$4,407.67	\$0.00	\$0.00	\$0.33	99.99%
601 DUES AND FEES	\$53,250.00	\$3,035.00	\$56,285.00	\$56,285.00	\$0.00	\$0.00	\$0.00	100.00%
Total for Support Expenses	\$3,608,686.00	\$59,369.00	\$3,668,055.00	\$3,640,726.04	\$27,328.35	\$0.00	\$0.61	100.00%
Maint/Oper/Trans								
305 PROFESSIONAL/TECHNICAL SVCS	\$70,000.00	(\$17,270.00)	\$52,730.00	\$47,985.71	\$4,744.29	\$0.00	\$0.00	100.00%
311 UTILITY SERVICES	\$4,030,828.00	\$94,530.00	\$4,125,358.00	\$4,125,357.60	\$0.00	\$0.00	\$0.40	100.00%
313 MAINTENANCE SERVICES	\$3,587,507.00	\$24,392.00	\$3,611,899.00	\$3,328,255.93	\$283,644.75	\$0.00	(\$1.68)	100.00%
317 STUDENT TRANSPORTATION	\$7,756,653.00	(\$206,706.00)	\$7,549,947.00	\$7,492,064.45	\$57,880.76	\$0.00	\$1.79	100.00%
319 CONFERENCE & TRAVEL	\$35,905.00	(\$5,045.00)	\$30,860.00	\$30,859.89	\$0.00	\$0.00	\$0.11	100.00%
321 PROFESSIONAL DEVELOPMENT	\$65,795.00	(\$1,283.00)	\$64,512.00	\$55,242.62	\$9,269.43	\$0.00	(\$0.05)	100.00%
424 OTHER SUPPLIES	\$315,211.00	(\$10,370.00)	\$304,841.00	\$304,840.59	\$0.00	\$0.00	\$0.41	100.00%
429 MAINTENANCE/REPAIR SUPPLIES	\$461,000.00	(\$21,693.00)	\$439,307.00	\$439,307.50	\$0.00	\$0.00	(\$0.50)	100.00%
Total for Maint/Oper/Trans	\$16,322,899.00	(\$143,445.00)	\$16,179,454.00	\$15,823,914.29	\$355,539.23	\$0.00	\$0.48	100.00%
Capital								
501 CAPITAL OUTLAY	\$295,512.00	\$27,860.00	\$323,372.00	\$268,413.84	\$54,957.34	\$0.00	\$0.82	100.00%
503 TECHNOLOGY	\$1,528,268.00	(\$456.00)	\$1,527,812.00	\$1,490,805.17	\$37,006.78	\$0.00	\$0.05	100.00%
Total for Capital	\$1,823,780.00	\$27,404.00	\$1,851,184.00	\$1,759,219.01	\$91,964.12	\$0.00	\$0.87	100.00%
Grand Total	155,718,051.00	\$0.00	155,718,051.00	155,080,950.06	\$637,100.43	\$0.00	\$0.51	100.00%

Fairfield Public Schools
2014 - 2015
Budget Transfers and Final Balances @ July 31, 2015

Major Classification /Summary Object		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Projected End of Year 6/30/15 Balances @ 6/18/2015	Transfer Approved by BOE 6/23/2015	Balance Before EOY Transfers 6/30/2015	Transfers 6/30/2015	EOY Balances 6/30/2015	Balance Before Final Transfers 7/31/2015	EOY Closing Transfers 7/31/2015	Final Balance 7/31/2015
1. Personnel Services									
129	Part Time Employment	\$ (514,722)		\$ (389,237)		\$ (388,832)	\$ (178)		
131	Wage & Benefit	\$ -		\$ -		\$ -	\$ 60,901		
133	Staff Replacement	\$ 1,460,531		\$ 491,728		\$ 414,533	\$ 4,697		
307	Other Services	\$ 30,492		\$ 41,937		\$ -	\$ -		
Total Personnel Services		\$ 976,301	\$ (850,000)	\$ 144,428	\$ (118,724)	\$ 25,701	\$ 65,420	\$ (65,420)	\$ 0.05
2. Fixed Charges									
201	Health Insurance	\$ (860,000)		\$ -		\$ -	\$ -	\$ 228,794	
203	Life/Disability Insurance	\$ 16,876		\$ 17,274		\$ 17,274	\$ -		
205	Social Security	\$ (3,259)		\$ (1,907)		\$ (1,907)	\$ -		
207	Pension/Retirement	\$ (13,617)		\$ (12,872)		\$ (12,872)	\$ (397)	\$ 397	
Total Fixed Charges		\$ (860,000)	\$ 860,000	\$ 2,495	\$ 500,000	\$ 2,495	\$ (397)	\$ 229,191	\$ (1.20)
3. Pupil Personnel Expenses									
301	Instructional Services	\$ 29,557		\$ 29,442		\$ 29,442	\$ -		
303	Pupil Personnel Services	\$ (201,893)		\$ (149,119)		\$ (149,119)	\$ (11,143)		
307	Other Services	\$ (79,360)		\$ (23,415)		\$ (23,415)	\$ -		
315	Rentals	\$ 653		\$ 653		\$ 653	\$ -		
317	Student Transportation	\$ (1,017)		\$ (1,017)		\$ (1,017)	\$ -		
319	Conference & Travel	\$ 11,186		\$ 11,158		\$ 11,158	\$ 29		
327	Printing/Copying	\$ -		\$ -		\$ -	\$ -		
329	Tuition	\$ 480,662		\$ 472,141		\$ 168,857	\$ -		
401	Instructional Supls/Matls	\$ (8,001)		\$ (7,000)		\$ (7,000)	\$ -		
404	Spls, Bks, Matls-Dist Supt	\$ 3,139		\$ 4,089		\$ 4,090	\$ -		
411	Textbooks	\$ (8,116)		\$ (8,116)		\$ (8,116)	\$ -		
415	Other Supplies/Materials	\$ 217		\$ 217		\$ 217	\$ -		
601	Dues & Fees	\$ (749)		\$ (749)		\$ (749)	\$ -		
Total Pupil Personnel Expenses		\$ 226,278	\$ (40,000)	\$ 328,284	\$ (303,284)	\$ 25,001	\$ (11,114)	\$ 11,114	\$ (0.75)
4. School Expenses									
129	Part-Time Employment	\$ 3,281		\$ 2,041		\$ 124	\$ -		
301	Instructional Services	\$ 2,420		\$ 1,414		\$ 1,414	\$ 1,145		
307	Other Services	\$ 9,227		\$ 8,178		\$ 1,225	\$ 1,639		
315	Rentals	\$ 6,736		\$ 6,736		\$ 6,736	\$ 6,617		
317	Student Transportation	\$ 4,205		\$ 5,308		\$ 2,253	\$ 3,396		
319	Conference & Travel	\$ 16,656		\$ 9,981		\$ 2,373	\$ 1,584		
327	Printing/Copying	\$ 937		\$ 437		\$ 437	\$ 14,828		
400	Supplies, Books & Materials	\$ 39,138		\$ 29,096		\$ 16,030	\$ 11,760		
402	Insturctional Supls-Dist Supt	\$ 6,082		\$ 1,125		\$ 1,125	\$ 1,153		
409	Student Activity Expenses	\$ 15,619		\$ (3,714)		\$ (9,107)	\$ 898		
415	Other Supplies/Materials	\$ 3,420		\$ 1,920		\$ 1,920	\$ 865		
601	Dues & Fees	\$ 1,545		\$ 1,545		\$ 1,545	\$ 426		
Total School Expenses		\$ 109,266	\$ (65,000)	\$ 64,067	\$ (37,992)	\$ 26,075	\$ 44,311	\$ (44,311)	\$ 0.45
5. Support Expenses									
301	Instructional Services	\$ 7,762		\$ 12,579		\$ 12,579	\$ -		
305	Professional/Technical Svcs	\$ (459,405)		\$ (194,214)		\$ (194,214)	\$ -		
307	Other Services	\$ (2,921)		\$ (2,921)		\$ (2,921)	\$ -		
309	Security Svcs/Expenses	\$ 159,808		\$ (4,751)		\$ (4,751)	\$ -		
313	Maintenance Services	\$ (20,520)		\$ (20,520)		\$ (20,520)	\$ -		
319	Conference & Travel	\$ 8,905		\$ 5,375		\$ 5,377	\$ -		
321	Professional Development	\$ 106,015		\$ 109,868		\$ 109,868	\$ -		
323	Postage	\$ 23,386		\$ 23,411		\$ 23,411	\$ 27,887		
325	Personnel/Recruitment Exp	\$ (2,639)		\$ (2,550)		\$ (2,550)	\$ -		
327	Printing/copying	\$ 13,882		\$ 14,949		\$ 14,949	\$ -		
329	Tuition	\$ 64,523		\$ 64,523		\$ 39,523	\$ -		
401	Instructional Supls/Matls	\$ 9,216		\$ 9,178		\$ 9,178	\$ -		
403	Office/General Supplies	\$ 2,406		\$ 2,440		\$ 2,440	\$ -		
404	Spls, Bks, Matls-Dist Supt	\$ 7,779		\$ 7,779		\$ 7,779	\$ -		
411	Textbooks	\$ (879)		\$ (879)		\$ (879)	\$ -		
415	Other Supplies/Materials	\$ 97		\$ 520		\$ 520	\$ -		
424	Other Supplies	\$ 3,368		\$ 3,368		\$ 3,368	\$ -		
601	Dues and Fees	\$ (6,979)		\$ (3,051)		\$ (3,051)	\$ -		
Total Support Expenses		\$ (86,196)	\$ 90,000	\$ 25,104	\$ (25,000)	\$ 106	\$ 27,887	\$ (27,886)	\$ 0.61
6. Maint/Oper/Transportation									
305	Professional/Technical Svcs	\$ 16,490		\$ 16,490		\$ 1,490	\$ -		
311	Utility Services	\$ (67,642)		\$ (119,694)		\$ (119,694)	\$ -		
313	Maintenance	\$ (3,226)		\$ (26,898)		\$ (26,898)	\$ -		
317	Student Transportation	\$ 74,397		\$ 108,637		\$ 108,637	\$ 100,092		
319	Conference & Travel	\$ 2,678		\$ 3,998		\$ 3,998	\$ -		
321	Professional Development	\$ 2,308		\$ 1,929		\$ 1,929	\$ -		
424	Other Supplies	\$ 8,045		\$ 10,370		\$ 10,370	\$ -		
429	Maintenance/Repair Supplie	\$ 10,236		\$ 20,273		\$ 20,273	\$ -		
Total Maint/Oper/Transp.		\$ 43,286	\$ (25,000)	\$ 15,105	\$ (15,000)	\$ 105	\$ 100,092	\$ (100,092)	\$ 0.48
7. Capital Outlay									
501	Capital Outlay	\$ (28,355)		\$ 2,300		\$ 2,300	\$ 2,597		
503	Technology	\$ 456		\$ 456		\$ 456	\$ -		
Total Capital Outlay		\$ (27,899)	\$ 30,000	\$ 2,756	\$ -	\$ 2,756	\$ 2,597	\$ (2,596)	\$ 0.87
Grand Total		\$ 381,036	\$ -	\$ 582,239	\$ -	\$ 82,239	\$ 228,796	\$ -	\$ 0.51

○ Moved to Medical Retention Fund



Doreen Munsell
Director of Finance and Business Services

To: David G. Title, Superintendent
Board of Education
Board of Finance
Board of Selectmen
Representative Town Meeting Leadership

From: Doreen Munsell, Director of Finance and Business Services

Date: September 18, 2015

Subject: 2014 – 2015 Year End Actual Medical Retention Fund before final IBNR

Attached you will find the Board of Education 2014 – 2015 fiscal year end actual medical retention fund accounting. The 6/30/15 IBNR actuarial calculation has not yet been received, consequently, the spreadsheet will be updated with the final number by September 30 when it is received. All other 2014 – 2015 information e.g., revenue and expenses are final. Expenses were virtually the same since the last projection in March, however, revenue increased significantly due to the combined efforts of the Town and Board of Education. The Town moved \$500,000 originally earmarked for the Board of Education during the 2014 – 2015 budget process into the medical retention fund as an in-kind expense. The Board of Education fulfilled its commitment to deposit the \$700,000 savings from additional retirees and \$160,000 in security funds subsequently bonded by the town. Additionally, \$500,000 in residual balances was deposited to medical retention on June 30. On July 31, 2015, when the fiscal year was formally closed, we deposited an additional \$228,787 into the medical retention fund as the result of unliquidated encumbrances. Based on our estimated IBNR, the district finished 2014 – 2015 over 1 times the IBNR as opposed to being a projected million dollars under IBNR in March.

Fairfield Public Schools
Medical Retention Fund
2015 - 2016 Budget

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(12)	(13)	(14)	(15)
	Actual 2010-11	Actual 2011-2012	Actual 2012-2013	Actual 2013-2014	Final Budget 2014-2015	Superintendent's Budget (Nov. Exp.) 2014-2015	(Nov. Exp.) 2015-2016	Board of Education Budget (Dec. Exp.) 2014-2015	(Dec. Exp.) 2015-2016	Update (Jan. Exp.) 2014-2015	(Jan. Exp.) 2015-2016	Update (Feb. Exp.) 2014-2015	(Feb. Exp.) 2015-2016	Update (Mar. Exp.) 2014-2015	(Mar. Exp.) 2015-2016	FINAL 2014-2015	Update Projection 2015-2016
Income:																	
Balance on July 1	\$ 5,230,124	\$ 4,887,715	\$ 3,973,658	\$ 2,560,864	\$ 2,165,387	\$ 2,311,066	\$ 1,541,330	\$ 2,311,066	\$ 1,263,291	\$ 2,311,066	\$ 1,411,802	\$ 2,311,066	\$ 937,118	\$ 2,311,066	\$ 723,577	\$ 2,311,066	\$ 2,038,665
BOE Operating Budget	\$ 14,805,748	\$ 16,458,950	\$ 16,945,522	\$ 18,553,001	\$ 19,274,241	\$ 19,274,241	\$ 21,676,339	\$ 19,274,241	\$ 21,969,339	\$ 19,274,241	\$ 21,969,339	\$ 19,274,241	\$ 21,969,339	\$ 19,274,241	\$ 21,969,339	\$ 19,274,243	\$ 21,969,339
Budget Increase 15-16															\$ 367,579		\$ 367,579
Wage/Benefit Reserve	\$ 566,070	\$ -	\$ 150,000	\$ 247,000	\$ 84,798	\$ 84,798	\$ -	\$ 84,798	\$ -	\$ 84,798	\$ -	\$ 84,798	\$ -	\$ 84,798	\$ -	\$ 84,798	\$ -
Other Income Revenue	\$ 6,750,473	\$ 6,972,452	\$ 7,005,689	\$ 7,375,172	\$ 7,582,320	\$ 7,894,867	\$ 8,674,318	\$ 7,894,867	\$ 8,771,379	\$ 7,894,867	\$ 8,771,379	\$ 7,894,867	\$ 8,771,379	\$ 8,056,043	\$ 8,992,673	\$ 8,124,544	\$ 8,992,673
Includes: Employee Contributions, Retiree Payments, Cobra, FMLA/LOA, Grants, Rebates.																	
TOWN SUPPLEMENAL CONTRIBUTION 6/30/15																\$ 500,000	
BOE Security Fund								\$ 160,000		\$ 160,000		\$ 160,000		\$ 160,000		\$ 160,000	
Savings from Additional Retirees						\$ 700,000		\$ 700,000		\$ 700,000		\$ 700,000		\$ 700,000		\$ 700,000	
EOY Transfers 6/30/2015																\$ 728,794	
Subtotal Income (Including July 1 Balance)	\$ 27,352,415	\$ 28,319,117	\$ 28,074,869	\$ 28,736,037	\$ 29,106,746	\$ 30,264,972	\$ 31,891,987	\$ 30,424,972	\$ 32,004,009	\$ 30,424,972	\$ 32,152,520	\$ 30,424,972	\$ 31,677,836	\$ 30,586,148	\$ 32,053,168	\$ 31,883,445	\$ 33,368,256
ITT Hartford - Medicare Supplement Retiree Plan	\$ 187,242	\$ 207,266	\$ 200,657	\$ 192,739	\$ 192,739	\$ 187,672	\$ 187,672	\$ 187,672	\$ 187,672	\$ 187,672	\$ 187,672	\$ 187,672	\$ 187,672	\$ 177,147	\$ 177,147	\$ 172,136	\$ 177,147
Total Available Income	\$ 27,539,657	\$ 28,526,383	\$ 28,275,526	\$ 28,928,776	\$ 29,299,485	\$ 30,452,644	\$ 32,079,659	\$ 30,612,644	\$ 32,191,681	\$ 30,612,644	\$ 32,340,192	\$ 30,612,644	\$ 31,865,508	\$ 30,763,295	\$ 32,230,315	\$ 32,055,581	\$ 33,545,403
Expenses:																	
Medical Claims/Fees	\$ 16,635,024	\$ 18,398,370	\$ 19,686,253	\$ 20,051,723	\$ 21,638,831	\$ 22,141,396	\$ 23,326,970	\$ 22,566,791	\$ 23,707,703	\$ 22,503,019	\$ 23,651,553	\$ 23,009,524	\$ 24,197,135	\$ 23,376,282	\$ 24,508,867	\$ 23,330,295	\$ 24,508,867
RX Claims/Fees	\$ 4,315,967	\$ 4,419,915	\$ 4,324,655	\$ 5,037,060	\$ 5,318,009	\$ 5,259,461	\$ 5,637,702	\$ 5,293,104	\$ 5,660,494	\$ 5,195,338	\$ 5,555,759	\$ 5,169,350	\$ 5,535,405	\$ 5,172,929	\$ 5,482,070	\$ 5,250,178	\$ 5,482,070
Dental Claims/Fees	\$ 1,499,610	\$ 1,514,835	\$ 1,489,920	\$ 1,323,011	\$ 1,396,891	\$ 1,308,729	\$ 1,371,929	\$ 1,287,730	\$ 1,349,936	\$ 1,300,757	\$ 1,353,702	\$ 1,294,924	\$ 1,361,701	\$ 1,300,182	\$ 1,352,595	\$ 1,251,276	\$ 1,352,595
Subtotal Expense	\$ 22,450,601	\$ 24,333,120	\$ 25,500,828	\$ 26,411,794	\$ 28,353,731	\$ 28,709,586	\$ 30,336,601	\$ 29,147,625	\$ 30,718,133	\$ 28,999,114	\$ 30,561,014	\$ 29,473,799	\$ 31,094,240	\$ 29,849,393	\$ 31,343,532	\$ 29,831,749	\$ 31,343,532
ITT Hartford - Medicare Supplement Retiree Plan	\$ 201,340	\$ 219,605	\$ 213,834	\$ 205,916	\$ 205,916	\$ 201,728	\$ 201,728	\$ 201,728	\$ 201,728	\$ 201,728	\$ 201,728	\$ 201,728	\$ 201,728	\$ 190,325	\$ 190,325	\$ 185,167	\$ 190,325
Total Expenses	\$ 22,651,941	\$ 24,552,725	\$ 25,714,662	\$ 26,617,710	\$ 28,559,647	\$ 28,911,314	\$ 30,538,329	\$ 29,349,353	\$ 30,919,861	\$ 29,200,842	\$ 30,762,742	\$ 29,675,527	\$ 31,295,968	\$ 30,039,718	\$ 31,533,857	\$ 30,016,916	\$ 31,533,857
Balance as of 6/30	\$ 4,887,715	\$ 3,973,658	\$ 2,560,864	\$ 2,311,066	\$ 739,838	\$ 1,541,330	\$ 1,541,330	\$ 1,263,291	\$ 1,271,820	\$ 1,411,802	\$ 1,577,450	\$ 937,118	\$ 569,539	\$ 723,577	\$ 696,458	\$ 2,038,665	\$ 2,011,546
Claims Accrual for Medical, RX and Dental (IBNR)*	\$ (1,767,755)	\$ (1,310,000)	\$ (1,434,000)	\$ (1,550,000)	\$ (1,594,547)	\$ (1,685,470)	\$ (1,781,036)	\$ (1,710,580)	\$ (1,802,780)	\$ (1,701,900)	\$ (1,793,632)	\$ (1,729,645)	\$ (1,824,775)	\$ (1,751,810)	\$ (1,839,576)	\$ (1,750,725) *	\$ (1,839,487)
Net Balance	\$ 3,119,960	\$ 2,663,658	\$ 1,126,864	\$ 761,066	\$ (854,709)	\$ (144,140)	\$ (239,706)	\$ (447,289)	\$ (530,960)	\$ (290,098)	\$ (216,182)	\$ (792,527)	\$ (1,255,236)	\$ (1,028,233)	\$ (1,143,118)	\$ 287,940	\$ 172,059

*Actual IBNR for 2014 - 2015 has not been received as of 9/17/15.