

City Of Torrington



PUBLIC WORKS DEPARTMENT
Jamie Sykora., Facilities Manager
Email: Jamie_Sykora@torringtonct.org

140 Main Street • City Hall
Torrington, CT 06790-5245
(860) 489-2242 • Fax: (860) 489-2550

MEMORANDUM

TO: Honorable Mayor Carbone and City Council

FROM: Jamie Sykora, Facilities Manager

CC: Ray Drew, Public Works Director
Carol Anderson, City Clerk

DATE: 11/3/2022

RE: Comprehensive Energy Solutions

.....
Vote by City Council to accept the recommendation of the Facilities Manager and Public Works Director to authorize the Mayor to act on behalf of the city to sign the Eversource Letter of Agreement (LOA) for the reserve of \$327,177.48 energy incentive dollars. The Comprehensive Energy Project Proposal and LOA are attached.

Thank you for your consideration.

City of Torrington, CT

Comprehensive Energy
Solutions



EVERSOURCE



Energy Conservation Evaluation Process

- **No Cost Energy Audit - 62 Hours**
 - RLE staff surveyed building lighting and mechanical systems
- **Data Analysis - 150 Hours**
 - RLE staff conducted investment grade data analysis on all energy saving opportunities
- **Turnkey Project Proposal - 40 Hours**
 - Full turnkey project developed
 - This includes all labor, materials, permits, recycling, trash, project management and utility incentives
- **Eversource Coordination - 60 Hours**
 - RLE and Eversource partnered to determine energy efficiency rebates and savings
- **Financing - 16 Hours**
 - RLE worked with Eversource and to determine on-bill financing options
- **Total Hours: 328 Man-Hours (8.2 weeks)**



Energy Conservation Measure Focus

- Lighting & Lighting Controls
- Condensing Boilers
- Variable Frequency Drives
- Vending Misers
- Pipe Insulation



Financial Overview

Torrington, CT Property	Energy Conservation Measure (ECM)	kWh savings	Therm Savings	\$ Energy Savings	\$ O&M Savings	Turnkey Price	Incentive by Measure	Customer Cost
Fire Department	Lighting	69,877	-	\$ 12,508	\$ 5,840	\$ 104,344	\$ 32,197	\$ 72,147
	VFDs	5,288	-	\$ 947	\$ -	\$ 7,746	\$ 3,098	\$ 4,648
	Vending Misers	1,444	-	\$ 258	\$ -	\$ 969	\$ 150	\$ 819
	Aerators	-	175	\$ 281	\$ -	\$ 923	\$ 369	\$ 554
	Pipe Insulation	-	422	\$ 678	\$ -	\$ 16,379	\$ 1,868	\$ 14,511
Police Department	Lighting	88,139	-	\$ 15,777	\$ 2,867	\$ 141,401	\$ 44,292	\$ 97,109
	Boilers	-	2,115	\$ 3,400	\$ -	\$ 135,714	\$ 5,750	\$ 129,964
	VFDs	24,722	-	\$ 4,425	\$ -	\$ 17,777	\$ 4,978	\$ 12,799
	Vending Misers	1,444	-	\$ 258	\$ -	\$ 969	\$ 150	\$ 819
	Aerators	-	80	\$ 129	\$ -	\$ 462	\$ 185	\$ 277
	Pipe Insulation	-	208	\$ 335	\$ -	\$ 4,933	\$ 1,016	\$ 3,917
DPW	Lighting	64,651	-	\$ 11,573	\$ 3,076	\$ 85,931	\$ 28,306	\$ 57,625
Street Lighting	Lighting	140,002	-	\$ 25,060	\$ 10,771	\$ 454,308	\$ 35,112	\$ 419,196
Teen Center	Pipe Insulation	-	1,936	\$ 3,931	\$ -	\$ 10,045	\$ 4,018	\$ 6,027
Veteran's Building	Pipe Insulation	-	2,763	\$ 5,609	\$ -	\$ 11,999	\$ 4,799	\$ 7,199
Individual Totals:		395,567	7,700	\$ 85,169	\$ 22,554	\$ 993,901	\$ 166,288	\$ 827,612

*All Energy Conservation Measures (ECMs) must be completed in order to qualify for comprehensive incentive bonus

*Comprehensive Bonus Incentive: \$ 160,889

Cash Payment: \$ (140,000)

Overall: \$ 85,169 \$ 22,554 \$ 993,901 \$ 327,177 \$ 526,723



Financial Overview

Torrington, CT Property	Energy Conservation Measure (ECM)	\$ Energy Savings	\$ O&M Savings	Turnkey Price	Incentive by Measure	Customer Cost	Payback (Years)
Individual Totals:		\$ 85,169	\$ 22,554	\$ 993,901	\$ 166,288	\$ 827,612	7.68

*All Energy Conservation Measures (ECMs) must be completed in order to qualify for comprehensive incentive bonus

***Comprehensive Bonus Incentive: \$ 160,889**

Cash Payment: \$ (140,000)

\$ 85,169	\$ 22,554	\$ 993,901	\$ 327,177	\$ 526,723	4.89
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72 months of Eversource financed payments:

\$ 7,316 per month \$ 526,723

Utility Incentive Percent 33%

Monthly Cashflow

\$	(7,316)	Monthly Financing Cost
\$	8,977	Monthly Savings
\$	1,661	Total Monthly Cash Positive

Financial Analysis

\$	(327,177)	Comprehensive Incentives
\$	(140,000)	Cash Payment
\$	993,901	Total Turnkey Price
\$	526,723	Eversource Financing - 0%



Financial Overview

Planning for rate increases

Annual Increase	0%
Avg \$ Savings	\$ 107,723
Project Cost	\$ 526,723
Return (years)	4.89

Year	1	2	3	4	5	6	7	8	9	10
\$ Savings	\$ 107,723	\$ 107,723	\$ 107,723	\$ 107,723	\$ 107,723	\$ 107,723	\$ 107,723	\$ 107,723	\$ 107,723	\$ 107,723
Loan Cost	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ -	\$ -	\$ -	\$ -
Cashflow	\$ 19,936	\$ 19,936	\$ 19,936	\$ 19,936	\$ 19,936	\$ 19,936	\$ 107,723	\$ 107,723	\$ 107,723	\$ 107,723

Annual Increase	5%
Avg \$ Savings	\$ 122,121
Project Cost	\$ 526,723
Return (years)	4.31

Year	1	2	3	4	5	6	7	8	9	10
\$ Savings	\$ 107,723	\$ 113,109	\$ 118,765	\$ 124,703	\$ 130,938	\$ 137,485	\$ 144,359	\$ 151,577	\$ 159,156	\$ 167,114
Loan Cost	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ -	\$ -	\$ -	\$ -
Cashflow	\$ 19,936	\$ 25,322	\$ 30,978	\$ 36,916	\$ 43,151	\$ 49,698	\$ 144,359	\$ 151,577	\$ 159,156	\$ 167,114

Annual Increase	10%
Avg \$ Savings	\$ 138,525
Project Cost	\$ 526,723
Return (years)	3.80

Year	1	2	3	4	5	6	7	8	9	10
\$ Savings	\$ 107,723	\$ 118,496	\$ 130,345	\$ 143,380	\$ 157,718	\$ 173,489	\$ 190,838	\$ 209,922	\$ 230,914	\$ 254,006
Loan Cost	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ (87,787)	\$ -	\$ -	\$ -	\$ -
Cashflow	\$ 19,936	\$ 30,708	\$ 42,558	\$ 55,592	\$ 69,930	\$ 85,702	\$ 190,838	\$ 209,922	\$ 230,914	\$ 254,006

Eversource expects rates to rise between 5% and 10% annually going forward



On-Bill Repayment Funds Available

Eversource Energy Efficiency Fund - **\$526,723**

- Approved at 0% interest
- Loan cost of \$7,316 per month over 72 months
- Projected monthly savings of \$8,977
- **Cash positive** of **\$1,661** per month
- No anticipated impact to town bond covenants - On Bill Funding



Sustainability Impact

A projected reduction of
395,567 kWh and 7,700 therms
is equivalent to...



321 Metric tons of CO₂ Removed

5,350 Urban Trees Planted



14 Barrels of oil Removed



810 Thousand Miles not Driven



2023 Total Implementation Benefits

- MAXIMIZED UTILITY INCENTIVES
 - **In the last year of a 3-year program, take advantage while you can**
 - Additional kicker incentive dollars earned for multi-measure projects
 - **Total Incentive is: \$327,177 = 33% of Project Cost**
- LOWER COST OF IMPLEMENTATION
 - Larger material cost reductions on complete order from manufacturers
 - Economies of scale on contract labor
 - Material and shipping price volatility due to covid (still) and is increasing due to the Ukraine-Russia conflict
- PROJECTS ONCE REPAID WILL DELIVER \$107,723 IN ANNUAL SAVINGS!
 - The sooner the savings are realized the sooner the OP EX reduction can benefit other City of Torrington Initiatives



Timeline to Execute

- UTILITY SUBMISSIONS AND FUNDING HAVE BEEN PRE-SCREENED
- EVERSOURCE CONTRIBUTION HAS BEEN ESSENTIAL TO GETTING INCENTIVES PRE-APPROVED
 - **PROJECTS MUST BE COMPLETED BY May 31, 2023**
- **Project Lead Times - 10-12 weeks (2.5 - 3 Months)**



Project Timeline 2023 Substantial Completion



Project Contract Signed -

Material Ordered
- After Contract
Signatures
8-12 Week
Product Lead
Time



Utility Inspection (Week 4)

Incentive
Finalized
Meeting between
RLE and
Eversource



Project Kick- Off Meeting

1 Week Before
Product Arrival
RLE Onsite -
Stakeholder
Meeting
Determine
Logistics
Contractor FINAL
Walkthrough



Product Delivery - Installation Begins

4 Weeks for
Installation of
Lighting per Site



Punchlist items

Week 5 - Lighting
Week 6 - Mech



Final Walkthroughs

Week 6-8 -
Lighting
Week 7-9 -
Mechanical



Lighting

- Efficient Lighting: LED
 - 50 – 75% Energy Savings
 - Lower Maintenance Costs
- ECM Focus:
 - Maximized kWh Savings
- Lighting Controls
 - Dimming
 - High end trimming
 - Daylight harvesting
 - Occupancy control



Boilers





Boilers

- Opportunities:

- Older, inefficient units
- Expensive to maintain
- Noisy
- Poorly Insulated

- ECM Focus:

- Therm Savings
- Infrastructure upgrade

- New high efficiency units:

- Exceeds 90% efficiency standard
- Barely audible, even at high fire
- Multi-stage, Condensing
- Insulating
- Reduces plant lifecycle cost
- 20+ year lifetime measure



Variable Frequency Drives





Thermal Insulation



City of Torrington, CT

Comprehensive Energy
Solutions



EVERSOURCE



107 Selden Street, Berlin, CT 06037
Eversource
P.O. Box 270
Hartford, CT 06141-02701
(860) 665-5000

October 19, 2022

Jamie Sykora
Facilities Manager
Town of Torrington
1738 E Main St
Torrington, CT 06790

Reference: Energy Efficiency Project # CT22P01424069, CT22P01424115,
CT22P01424794, CT22P01423702, CT22P01548613, CT22P01548472

City of Torrington - Torrington, CT 06790

Dear Jamie Sykora:

Congratulations on choosing to make your business energy-efficient. Eversource is pleased to present you with the details of the incentive for your planned energy efficiency project at your facility.

Should you decide to move forward with the project as submitted, and in accordance with the terms of the attached Letter of Agreement, you are eligible for a financial incentive of \$327,177.48.

The following documents are attached:

Energy Efficiency Services Letter of Agreement – Please review the LOA document, sign as indicated, and return it to me at the email address noted below. To reserve your incentive as stated, the signed agreement must be returned within 30 days.

Standard Terms and Conditions – Please review our program Standard Terms and Conditions. These are part of the Agreement and are referenced in the LOA document.

Exhibit A and Project Scope – The measures included in your project are outlined here. These documents also show the estimated energy savings for each measure.

Measure Verification - This is a statement of completed work (by measure). This document is to be signed by you after installation is complete.

W-9 Form – A completed W-9 form is required from the party receiving the incentive payment. Please note, the LOA specifies the incentive shall be paid to Resource Lighting and Energy.

If you have any questions regarding this letter or the documents contained in the packet, please contact me at 203-586-8150.

Sincerely:

Chad Magoulas
Associate Energy Efficiency Consultant
Eversource Energy

Energy Efficiency Services LETTER OF AGREEMENT

To encourage energy efficiency, The Connecticut Light and Power Company, and/or the Yankee Gas Services Company, each doing business as Eversource Energy ("Eversource") (hereinafter, the "Company"), in its capacity as administrator of the Connecticut Energy Efficiency Fund, is pleased to offer the City of Torrington (hereinafter, the "Participant") energy efficiency incentives in connection with their facilities listed in the Exhibit A. If planning to proceed with this project, please indicate your acceptance of all provisions of this Letter of Agreement (hereinafter, "LOA") by counter-signing and returning this to the Company within 30 calendar days of the date of the Company signature. If this is not returned within 30 calendar days, the Company retains the option to modify or cancel this LOA without notification.

1. The attached Energy Efficiency Services Standard Terms and Conditions, and all Exhibit(s) and attachments are part of this LOA. In the event of a conflict between this LOA and the Standard Terms and Conditions, this LOA controls.
2. The Participant shall ensure the installed Energy Efficiency Measures ("EEMs" or "measures") comply with the requirements listed in the Exhibit(s), and shall verify the EEMs perform in their intended manner.
3. All EEMs must be installed, operating properly, and accepted by both the Participant and the Company by April 30, 2023.
4. As administrator of the Energy Efficiency Fund, the Company agrees to pay incentives for all EEMs that comply with the terms and criteria specified herein. The incentive paid for each measure shall not exceed the incentive amount listed for the measure in the Exhibit(s) unless an exception is noted in writing. The total incentive for all measures as listed in the Exhibit(s) is \$327,177.48.
5. **Payment shall be made to Resource Lighting and Energy, 291 McGowan St, Fall River, MA 02723 following final approval of by the Company.**
6. The Participant is not obligated to install any of the EEMs referred to in this LOA, and at any time may decide to forego the incentive payments for one or more measures.
7. This LOA shall be signed by a representative of the Company, counter-signed by the Participant, and returned to the Company before any EEMs are installed. No payment shall be made for EEMs not listed in the Exhibit(s), or for EEMs installed before this LOA is counter-signed and returned to the Company, unless authorized by the Company.
8. The Participant may propose changes to the scope of work specified in this LOA by giving written notice to the Company. Without prior written approval by the Company, the Company shall not make incentive payments for any changes in the scope of work.

Please sign below to indicate agreement to the terms of this Letter of Agreement, and return this document to:

Chad Magoulas
Associate Energy Efficiency Consultant
Eversource Energy
chad.magoulas@eversource.com



Signature of Company Official

Ron Araujo

Name (Print)

Director - Energy Efficiency

Title of Company Official

10/21/2022

Date

Signature of Participant Official

Name (Print)

Title of Participant Official

Date

The Connecticut Light and Power Company, and/or Yankee Gas Service Company, each doing business as Eversource Energy ("Eversource"), as administrator of the Connecticut Energy Efficiency Fund ("EEF" or the "Fund") on behalf of its customers, shall provide EEF incentives described herein to Program Participant (or its designee) ("Participant") in accordance with this Letter of Agreement.

1. **PARTICIPANT AND FACILITY ELIGIBILITY:** Only electricity retail distribution customers and/or firm gas customers of Eversource billed on Eversource's standard rates may be Participants in EEF energy conservation programs and are eligible to receive EEF incentives. A customer's ability to participate in any particular energy efficiency program is dependent on the Customer fulfilling the eligibility qualifiers of that program. This Letter of Agreement ("LOA") is applicable to only the facilities serviced by Eversource specified herein, and not to any future additions or alterations to the facility.

2. **MEASURES:** The Participant shall install all Energy Efficiency Measures ("EEMs" or "measures") specified in this LOA and verify they perform in their intended manner. Only measures specified herein are eligible for incentives. The Participant is not obligated to install any of the measures referenced in this LOA. The incentive(s) offered in this LOA shall be forfeited for measures that are not installed.

3. **PERMITS, LAWS, CODES:** Participant shall be responsible for the acquisition of all necessary permits on the property of the subject project, and compliance with all applicable laws, ordinances, building codes, and regulations of all appropriate governing authorities. Eversource shall not be responsible for any infraction or violation thereof, or any expense or damage resulting from infractions or violations.

4. **TAX LIABILITY:** The Participant, or its designee as specified herein shall be responsible for any tax liability associated with direct receipt of incentive payments from Eversource. The party specified herein as direct recipient of incentives shall provide Eversource with their federal tax ID number or social security number (IRS form W9). Eversource shall issue a Form 1099 to all recipients of more than \$600.00 of incentives per calendar year.

5. **INSPECTIONS:** Eversource reserves the right to inspect the site of the project both prior to the start of demolition and construction, and after the installation of the Measure(s) to verify: (i) the existence of specific equipment referenced in this LOA, (ii) measures are installed and operating properly and in accordance with this LOA, and (iii) the project is completed by the completion date herein. The Participant shall provide Eversource or its agents sufficient time and reasonable access to the project site to conduct such inspections. Participant or its assignees shall demonstrate the operation of the measures in conjunction with the inspection, if Eversource determines it is necessary. Participant shall provide all documentation Eversource deems necessary to verify that the project complies with this LOA. Required documentation shall include, and is not limited to, Participant's itemized invoices for the project.

6. **INCENTIVE PAID:** Incentive(s) paid shall be based on the EEMs actually installed and approved by Eversource, as well as the final installed cost of the project, as verified by Eversource. Eversource is solely responsible for determining the final incentive amount.

7. **LIMITS OF LIABILITY:** Eversource's liability is limited to paying the incentive specified, provided all provisions of this LOA are satisfied. Participant acknowledges and agrees that (a) neither Eversource nor any of its employees, agents, representatives or consultants are responsible for assuring the design, analysis, engineering, and/or installation of any of the EEMs is proper or complies with any particular laws, codes, or industry standards, including, without limitation, current standards published or otherwise recognized as applicable to the technology, and (b) Eversource does not represent, warrant or guarantee the product or services of any particular vendor, manufacturer, contractor or subcontractor. In addition, Eversource does not represent, warrant, or guarantee the safety or workability of any EEMs or that the utilization of the EEMs will result in any level of energy savings or any measurable energy related benefit. Eversource's scope of review for purposes of this LOA is limited to determining if the EEMs have met the program requirements.

8. **PROJECT EVALUATION:** Eversource reserves the right to perform, at the Fund's expense (and not the Participant's expense), within two years of incentive payment, a confidential project evaluation, under actual operating conditions to help determine the energy savings realized from the EEMs. The Participant shall provide site access and information as necessary to facilitate this evaluation.

9. **ASSIGNMENT OF ENVIRONMENTAL CREDITS:** In accordance with the Department of Public Utility Control's ("DPUC", now known as the Public Utilities Regulatory Authority, "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 Department February 11, 2010 decision in Docket No. 05-07-19RE02), the Participant, its vendor(s), contractor(s) or assignees may not receive or retain any Class III conservation credits or any environmental credits or benefits in connection with Eversource's energy efficiency programs. Participant further acknowledges and agrees that such credits shall be retained by Eversource for the benefit of its customers through the Connecticut EEF. The Participant shall execute any and all documents and/or instruments as required to evidence such assignment.

10. **ASSIGNMENT OF ISO-NEW ENGLAND CAPACITY PAYMENTS** Any and all payments, benefits and/or credits (including, but not limited to, any and all

transitional FCM credits or payments, or any and all other capacity-related credits, payments and/or benefits for which Participant is eligible) associated with or applicable to participation in any Eversource energy efficiency program that may be provided or otherwise granted in connection with the ISO New England, Inc. Forward Capacity Market ("FCM") or any currently existing or successor or replacement markets, shall be deemed as capacity payments, credits and/or benefits of Eversource as applicable. Participant hereby assigns to Eversource all of their right, title and interest in any and all such capacity payments, credits and/or benefits and shall take all action, including executing and delivering any and all documents and/or instruments, as requested by Eversource, as applicable, 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.

11. **ENFORCEMENT OF AND CHANGES TO THIS AGREEMENT:** Any changes to this LOA must be in writing and signed by all parties to this Agreement. No delay or omission of either party to exercise or enforce any provision or right herein shall serve as a waiver of such right, or of any other right or provision of this Letter of Agreement.

12. **TERMINATION OF THIS LOA:** Eversource may, by written notice, terminate the LOA for convenience, in whole or in part. In this event, Eversource shall pay, from the EEF, the unit or pro rata price for the performed and accepted portion of the project defined herein, and a reasonable amount, not otherwise recoverable from other sources, for the unperformed or unaccepted portion of the project, provided that the total compensation does not exceed the total incentive amount specified in this LOA. No allowance shall be made for anticipated profits. Eversource and the EEF shall not be liable for any consequential or incidental damages for termination of this Agreement under this Article.

13. **EVERSOURCE INDEMNIFICATION:** The Participant shall defend, indemnify and hold harmless Eversource, its directors, officers, employees, agents, affiliated companies, and representatives, against and from any and all loss, claims, actions, or suits, including costs and attorneys' fees, arising from the Participant's participation in Eversource's Energy Efficiency Programs. Eversource shall not be liable to Participant for any damages in contract or tort or otherwise, including negligence caused by any activities related to Participant's participation in Eversource's Energy Efficiency programs including, without limitation, the actions or omissions of any design professional or any employee, agent, contractor, subcontractor or consultant retained by Eversource. Eversource's liability under this LOA shall be limited to paying the incentives specified herein for the EEMs, but only as and if such incentives become payable to Participant and only to the extent that such incentives are not subject to repayment as provided in this LOA. In no case shall Eversource be liable to Participant 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.

14. **ASSIGNMENT:** This LOA is binding on the heirs, successors and assigns of the Participant and Eversource, and shall not be assigned by either party without prior written consent of the other.

15. **STATE OF JURISDICTION** This LOA shall be administered and interpreted under the laws of the State of Connecticut. If any part is found to be in conflict with applicable laws, such part shall be inoperative, null and void insofar as it is in conflict with said laws, but the remainder of the terms and conditions shall continue in full force and effect.

16. **FUNDING AVAILABILITY:** All funding for this program is derived from the EEF, and is funded by the customers of Eversource. Eversource may cancel this agreement and shall not make incentive payments described herein if the Fund is not available or sufficient for such payments. Eversource is not responsible for any costs or damages incurred by the Participant if funding for this program or the EEF is reduced or eliminated by any governmental or regulatory body, and Eversource does not have energy efficiency funds available.

17. **DISPUTE RESOLUTION:** The parties shall endeavor to resolve any dispute arising out of or relating to this LOA by mediation before the CT Public Utilities Regulatory Authority ("PURA"). If a resolution cannot be reached in that forum, the parties agree resolve their dispute by the CPR Mediation Procedure then currently in effect. The mediator shall be selected from the CPR Panels of Distinguished Neutrals. Any controversy or claim arising out of or relating to this LOA, including the breach, termination or validity thereof, which remains unresolved 45 days after the appointment of a mediator, shall be finally resolved by confidential, final and binding arbitration in accordance with the CPR Institute for Dispute Resolution Rules for Non-Administered Arbitration then currently in effect, by a sole arbitrator. The arbitration shall be governed by the Federal Arbitration Act, 9 U.S.C. §§ 1-16, and judgment upon the award rendered by the arbitrator may be entered by any court having jurisdiction thereof. The place of arbitration shall be Hartford, Connecticut. The arbitration must be commenced within two years of the conduct or action giving rise to the dispute.

Substitute Form W-9 Request for Taxpayer Identification Number and Certification

(Give this form to the requester. DO NOT send to IRS)

NAME (If joint names, list first and circle the name of the person or entity whose number you enter in Part I below. See INSTRUCTIONS under "Name" if your name has changed.)

ADDRESS (Number and Street)

CITY

STATE

ZIP CODE

PART I TAXPAYER IDENTIFICATION NUMBER

Enter your taxpayer identification number in the appropriate box. For individuals and sole proprietors, this is your social security number. For other entities, it is your employer identification number. If you do not have a number, see How To Obtain a TIN, on Instruction form EMS6002-2.

SOCIAL SECURITY NUMBER

EMPLOYER IDENTIFICATION NUMBER

Certification - Under the penalties of perjury, I certify that:

(1) The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and

(2) I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding (does not apply to real estate transactions, mortgage interest paid, the acquisition or abandonment of secured property, contributions to an individual retirement arrangement (IRA), and payments other than interest and dividends).

Certification Instructions - You must cross out item (2) above if you have been notified by the IRS that you are currently subject to backup withholding because of underreporting interest or dividends on your tax return. (Also, see Signing the Certification under Specific Instructions on instruction form EMS6002-2.

PART II FOR PAYEES EXEMPT FROM BACKUP WITHHOLDING (See Instructions)

Check one of the following below, if applicable.

Exemption Block

- 1) _____ A corporation
- 2) _____ An organization exempt from tax under section 501 (a), or an individual retirement plan (IRA), or a custodial account under 403(b)(7).
- 3) _____ The United States or any of its agencies or instrumentalities.
- 4) _____ A state, The District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities.
- 5) _____ A foreign government or any of its political subdivisions, agencies, or instrumentalities.
- 6) _____ An international organization or any of its agencies or instrumentalities.
- 7) _____ A foreign central bank of issue.
- 8) _____ A dealer in securities or commodities required to register in the U.S. or a possession of the U.S.
- 9) _____ A futures commission merchant registered with the Commodity Futures Trading Commission.
- 10) _____ A real estate investment trust.
- 11) _____ An entity registered at all times during the tax year under the Investment Company Act of 1940.
- 12) _____ A financial institution.

Signature

Date

Please sign here:

Exhibit A
Torrington Fire Department
Energy Efficiency Services Project #: CT22P01424069
October 19, 2022

A. The Participant will submit documents for review as required. The Company will review construction documents to facilitate the verification of conformance with the energy efficiency improvement measures detailed.

B. The listing of a specific manufacturer in this Contract does not represent an endorsement of a specific product by the Company. Listed manufacturers are those proposed by the Participant in their application. The Participant may substitute an equivalent product, which will produce equal or greater energy savings than the product originally proposed, with the approval of the Company.

Measure 1 of 7 : New and/or Retrofit Lighting and/or Lighting Occupancy Controls

Installation of new and/or retrofit lighting fixtures as proposed on attached project scope and summarized below. The fixtures/lamps shall comply with Eversource LED requirements. **If LED lighting does not meet Eversource LED requirements at time of inspection then incentive shall be recalculated.**

Approximate floor area affected by fixture/lamp retrofits (square feet):	24,768
Basic description of areas being affected:	Police/Fire Station (24 Hr)
Number of existing fixtures/lamps affected:	252
Number of Standard fixtures/lamps to be installed:	0
Number of Enhanced Performance fixtures to be installed:	252
Number of High Performance fixtures to be installed:	0
Number of fixtures/lamps to be controlled by Occupancy Sensors:	206
Number of fixtures/lamps to be controlled by Daylight Harvesting Sensors:	206
Estimated Installed Cost of Standard fixtures/lamps:	\$0.00
Estimated Installed Cost of Enhanced Performance fixtures:	\$104,343.12
Estimated Installed Cost of High Performance fixtures	\$0.00
Estimated Installed Cost of Non-Eligible fixtures/lamps	\$0.00
Total Estimated Installed Cost	\$104,343.12
Total Estimated Incentive	\$32,197.05

If upon final inspection, there are any changes to the measure, the incentive will be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose in writing any significant changes to this measure to the Company at the earliest possible point in time for review, evaluation and approval in accordance with this LOA.

Estimated Measure Incentive Breakdown		Estimated Electrical Savings			
Installation and Additional	\$32,197.05	Demand	kW	Energy	kWh
Measure Verification (100%)*		Summer	6.23	Annual	71,549
Total	\$32,197.05	Winter	5.72	Lifetime	517,362

*Measure Verification: The Participant or the Participant's design professional shall signify that they have satisfied themselves that all installed controls are performing as intended.

1. Verification that all the correct equipment and/or systems are being controlled.
2. Verification of correct system installation. The system shall be defined as any sensors and all the lighting fixtures and/or other equipment (fans, dampers, etc.) that it controls.
3. Verification that all sensors and control devices are calibrated.
4. Verification that the system automatically functions as intended with all defined delays.
5. Verification that operation and maintenance manuals have been provided.
6. Verification that the Participant's representative and/or operator has been instructed in the proper operation and maintenance of the equipment.

Participant or Participant's Design Professional's
Signature (after installation)

Date of Signature

Print Participant's Name

Date of Completed Work

Title of Participant

Company of Participant

Regarding Linear Tube LED Products: Customers should review each lighting technology's installation and maintenance requirements carefully. Some linear LED products are NOT backwards compatible to accommodate fluorescent lamps or other LED tube products after the retrofit. Please follow all manufacturers' specifications when installing and maintaining equipment to ensure proper performance, function and safety. 1)Most LED Linear Tube Replacement Lamp product designs by various manufacturers are mechanically interchangeable and utilize existing fluorescent lamp end connectors to supply power to the lamps. However, many of these LED products are not electrically interchangeable with fluorescent lamps or other LED tube products. As a result, maintenance personnel should follow all manufacturers' installation and maintenance guidelines and be trained in their safe use. 2)All LED Linear Tube Replacement Lamps are required to be Underwriter's Laboratory (UL) 1993 listed. Retrofit products that require rewiring retrofit to existing luminaire fixtures must also meet UL 1598C Classification. As such, these products require fixture retrofit in accordance with manufacturer's installation instructions which includes placement of warning markings on each luminaire fixture in accordance with UL 1598C. Please ensure that the labels are installed and maintained for the life of the product. 3)Please contact the LED product's installer or manufacturer with questions with specific product questions.

The installation of aftermarket resistors into LED lighting products is not allowed.

Torrington Fire Department
Torrington, CT 06790
CT22P01424069

Area Description	Qty Before	Description Before	Watts/ Fixture Before	Annual Hours Before	Qty After	Proposed Equipment - Manufacturer	Proposed Equipment - Model Number	"NEW" Occupancy Sensor? (Y or N)	Watts/ Fixture After	Wattage with High End Trim	Annual Hours After
Mens Room	1	2L 4' T5 Strip	63	2,500	1	ILP	FZ4-20W-U-40-XXXX	Y	22	22	1,900
Main Area	6	2L 4' LED T5 Cove Indirect	50	8,760	6	Green Creative	Green Creative 15T5HE/4F/835/DIR (57860)		15	15	8,760
Training Coordinator Office	2	2L 4' LED T5 Cove Indirect	50	3,952	2	Green Creative	Green Creative 15T5HE/4F/835/DIR (57860)		15	15	3,952
Training Coordinator Office (02)	2	2L 4' LED T5 Cove Indirect	50	3,952	2	Green Creative	Green Creative 15T5HE/4F/835/DIR (57860)		15	15	3,952
Training Coordinator Office (03)	2	2L 4' LED T5 Cove Indirect	50	3,952	2	Green Creative	Green Creative 15T5HE/4F/835/DIR (57860)		15	15	3,952
Womens room	1	2L 4' T5 Strip	63	2,500	1	ILP	FZ4-20W-U-40-XXXX	Y	22	22	1,900
Kitchen	4	2L 2' T8 2x2 Parabolic	37	3,952	4	ILP	LANCE22-24L-U-930-XXXX	Y	17	17	3,004
Storage	2	2L 2' T8 2x2 Parabolic	37	1,500	2	ILP	LANCE22-24L-U-930-XXXX	Y	17	17	1,140
Storage	1	2L 4' T5 Strip	63	1,500	1	ILP	FZ4-20W-U-40-XXXX	Y	22	22	1,140
Executive Director	4	2L 4' T8 U-tube 2x2 Parabolic	60	3,952	4	ILP	LANCE22-24L-U-930-XXXX	Y	17	17	3,004
Foyer	1	4L T5 2x2	50	8,760	1	ILP	LANCE22-24L-U-930-XXXX	Y	17	17	6,658
Office	2	2L 2' T8 2x2 Parabolic	37	8,760	2	ILP	LANCE22-24L-U-930-XXXX	Y	17	17	6,658
Main Area	10	2L 4' LED Strip	40	8,760	10	ILP	FZ4-20W-U-40-XXXX	Y	22	22	6,658
Main Area	18	2L 8' LED Strip	88	8,760	18	Green Creative	Green Creative 9.5T8/2F/835/EXT + 15T8T5HEDRIVE		10	10	8,760
Main Area	4	2L 4' T8 Vapor Tight	60	8,760	4	ILP	WTZ-40WLED-UNIV-40-USBD	Y	40	40	6,658
Laundry	2	2L 4' T8 Vapor Tight	60	2,500	2	ILP	WTZ-40WLED-UNIV-40-USBD	Y	40	40	1,900
Andy Room	2	2L 4' T5 Strip	63	3,952	2	ILP	FZ4-20W-U-40-XXXX	Y	22	22	3,004
Andy Room	2	2L 4' T8 Vapor Tight	60	3,952	2	ILP	WTZ-40WLED-UNIV-40-USBD	Y	40	40	3,004
Equipment Rm	6	2L 4' 18W TLED	36	2,500	6	ILP	WTZ-40WLED-UNIV-40-USBD	Y	40	40	1,900
Front Stairwell	2	2L 4' T8 2x4 Parabolic	60	8,760	2	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	6,658
Mezzanine Hall	8	1L 4' LED Wrap	20	8,760	8	ILP	FZ4-20W-U-40-XXXX	Y	22	22	6,658
Mezz Rm 1	1	1L 4' LED Wrap	20	3,952	1	ILP	FZ4-20W-U-40-XXXX	Y	22	22	3,004
Mezz Rm 2	1	1L 4' LED Wrap	20	3,952	1	ILP	FZ4-20W-U-40-XXXX	Y	22	22	3,004
Mezz Rm 3	1	1L 4' LED Wrap	20	3,952	1	ILP	FZ4-20W-U-40-XXXX	Y	22	22	3,004
Mezz Rm 4	1	1L 4' LED Wrap	20	3,952	1	ILP	FZ4-20W-U-40-XXXX	Y	22	22	3,004
Mezz Rm 5	1	1L 4' LED Wrap	20	3,952	1	ILP	FZ4-20W-U-40-XXXX	Y	22	22	3,004
Back Stairwell	2	2L 4' 18W TLED	36	8,760	2	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	6,658
Elevator Lobby	1	75W Halogen Par 30	75	8,760	1	Philips	Philips 14PAR38/F25 3000 CW SO		14	14	8,760
Elevator Lobby	6	LED 2x4 Flat Panel	40	8,760	6	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	6,658
EOC Right Room	1	2L 4' T5 2x4 Perf Basket	63	3,952	1	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	3,004
EOD Class	18	2L 4' T5 2x4 Perf Basket	63	3,952	18	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	3,004
EOC Conference	3	2L 4' T5 2x4 Perf Basket	63	3,952	3	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	3,004
Library	3	2L 4' T5 2x4 Perf Basket	63	3,952	3	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	3,004
Training Officer	3	2L 4' T5 2x4 Perf Basket	63	3,952	3	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	3,004
Starirwell 1	2	LED 2x4 Flat Panel	40	8,760	2	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	6,658
Lounge/gym	19	LED 2x4 Flat Panel	40	8,760	19	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	6,658
Kitchen	6	LED 2x4 Flat Panel	40	8,760	6	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	6,658
Shower	1	13w CFL Screw In A-Lamp	15	2,500	1	Philips	Philips 5.5A19/2200-2700 DIM (46911-4) Model #929		6	6	2,500
Shower	1	LED 2x4 Flat Panel	40	2,500	1	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	1,900
Lockers Right	1	LED 2x4 Flat Panel	40	3,952	1	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	3,004
Hall & Sleeping Area	9	LED 2x4 Flat Panel	40	4,380	9	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	3,329
Hall & Sleeping Area	1	LED 2x4 Flat Panel	40	4,380	1	ILP	LANCE22-24L-U-930-XXXX	Y	17	17	3,329
Stair Hall	1	LED 2x4 Flat Panel	40	8,760	1	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	6,658
Lockerroom Left	2	LED 2x4 Flat Panel	40	3,952	2	ILP	LANCE24-30L-U-930-XXXX	Y	21	21	3,004

Area Description	Qty Before	Description Before	Watts/ Fixture Before	Annual Hours Before	Qty After	Proposed Equipment - Manufacturer	Proposed Equipment - Model Number	"NEW" Occupancy Sensor? (Y or N)	Watts/ Fixture After	Wattage with High End Trim	Annual Hours After
Bathroom	2	LED 2x4 Flat Panel	40	2,500	2	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	1,900
Storage	1	13w CFL Screw In A-Lamp	15	2,500	1	Philips	Philips 5.5A19/2200-2700 DIM (46911-4) Model #929		6	6	2,500
Men Hall	2	LED 2x4 Flat Panel	40	3,952	2	ILP	LANCE22-24L-U-930-XXXXX	Y	17	17	3,004
Women Restroom	3	13w CFL Screw In A-Lamp	15	2,500	3	Philips	Philips 5.5A19/2200-2700 DIM (46911-4) Model #929		6	6	2,500
Union Office	2	LED 2x4 Flat Panel	40	3,952	2	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	3,004
Lockerroom	1	LED 2x4 Flat Panel	40	3,952	1	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	3,004
Restroom Left	1	LED 2x4 Flat Panel	40	2,500	1	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	1,900
Bedroom	1	LED 2x4 Flat Panel	40	4,380	1	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	3,329
Bedroom 2	1	LED 2x4 Flat Panel	40	4,380	1	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	3,329
Bedroom 2	1	LED 2x4 Flat Panel	40	4,380	1	ILP	LANCE22-24L-U-930-XXXXX	Y	17	17	3,329
Chief Back Room	8	LED 2x4 Flat Panel	40	3,952	8	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	3,004
Secretary Area	3	LED 2x4 Flat Panel	40	3,952	3	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	3,004
Copier	2	LED 2x4 Flat Panel	40	3,952	2	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	3,004
Fire Marshall	6	LED 2x4 Flat Panel	40	3,952	6	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	3,004
Main Hall	10	LED 2x4 Flat Panel	40	8,760	10	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	6,658
Main Stariwell	4	13w CFL Screw In A-Lamp	15	8,760	4	Philips	Philips 5.5A19/2200-2700 DIM (46911-4) Model #929		6	6	8,760
Main Stariwell	2	LED 2x4 Flat Panel	40	8,760	2	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	6,658
Lobby	9	LED 2x4 Flat Panel	40	8,760	9	ILP	LANCE22-24L-U-930-XXXXX	Y	17	17	6,658
Captain	4	2L 2' T8 2x2 Parabolic	37	3,952	4	ILP	LANCE22-24L-U-930-XXXXX	Y	17	17	3,004
Battalion Office	2	LED 2x4 Flat Panel	40	3,952	2	ILP	LANCE24-30L-U-930-XXXXX	Y	21	21	3,004
Hall	2	1L 4' LED Wrap	20	8,760	2	ILP	FZ4-20W-U-40-XXXXX	Y	22	22	6,658
Mechanical Room/storage	6	1L 4' LED Wrap	20	1,500	6	ILP	FZ4-20W-U-40-XXXXX	Y	22	22	1,140
Hallway	4	1L 4' LED Wrap	20	8,760	4	ILP	FZ4-20W-U-40-XXXXX	Y	22	22	6,658
Elevator Rm	2	1L 4' LED Wrap	20	1,500	2	ILP	FZ4-20W-U-40-XXXXX	Y	22	22	1,140
Exterior	6	600W HPS Shoebox Pole Light	600	4,380	6	Simply LEDs	FLD-RS-110W-HV-50K-T3		110	110	4,380

Exhibit A
Torrington Fire Department
Energy Efficiency Services Project #: CT22P01424069
October 19, 2022

Measure 2 of 6: VFD Control

Install Variable Frequency Drive (VFD) control for a total of (2) 2.0 HP HVAC Hot Water Pumps used for space heating. The controls shall modulate to automatically control system water flow and pressure.

Total Cost for this Measure: \$ 7,746.00

Total Estimated Incentive: \$ 3,098.40

The incentive offered for this measure is based on information provided by the customer or their authorized representative. If upon final inspection, there are any changes to the measure, the incentive may be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose any significant changes to this measure to the Company in writing at the earliest possible point in time for review and evaluation for additional incentives defined in a future Addendum to this LOA in accordance with this LOA.

Estimated Measure Incentive Breakdown	
Installation (80%)	\$2,478.72
Measure Verification (20%)*	\$619.68
Total	\$ 3,098.40

Estimated Electricity Savings			
Demand	kW	Energy	kWh
Summer	0.00	Annual	11,159
Winter	0.63	Lifetime	167,385

***Measure Verification:** The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the proposed system(s) listed above are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. This includes any sensors, control devices, speed controllers, and electrical isolation equipment required for correct automated operation.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

Participant or Design Professional's Signature
(at time of inspection)

Date

Exhibit A
Torrington Fire Department
Energy Efficiency Services Project #:
CT22P01424069
October 19, 2022

Measure 3 of 6 :Vending Machine Controls

PROPOSED SYSTEM		
Number of Machines	Equipment Type	Timer or Occupancy Sensor
1	Refrigerated Beverage Vending Machines	Occupancy
1	Non-Refrigerated Snack Vending Machines	Occupancy
Total Estimated Cost for this Measure:		\$969.00
Total Estimated Incentive for this Measure:		\$150.00

The incentive offered for this measure is based on information provided by the customer or their authorized representative. If upon final inspection there are any changes to the measure, the incentive may be recalculated based on installed equipment and the Company's review. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose in writing any significant changes to this measure to the Company at the earliest possible point in time for review, evaluation and approval in accordance with this LOA.

INCENTIVE AND SAVINGS BREAKDOWN (ELECTRIC)					
Estimated Measure Incentive		Estimated Electricity Savings			
Installation (80%)	\$120.00	Demand	kW	Energy	kWh
Measure Verification (20%)*	\$30.00	Summer	0.00	Annual	425
Total	\$150.00	Winter	0.00	Lifetime	2,125

***Measure Verification:** The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the proposed system(s) listed above are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. This includes any sensors, control devices, speed controllers, and electrical isolation equipment required for correct automated operation.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

**Participant or Participant's Design Professional's
Signature (after installation)**

Date of Signature

Print Participant's Name

Date of Completed Work

Title of Participant

Company of Participant

October 19, 2022

Replacement of existing pre-rinse spray valves, shower heads, and faucet aerators with units that have an average flow rate of 1.6 gpm (or less), 2.0 gpm, and 1.5 gpm respectively. Summary of installed equipment listed below as

6 Faucet aerators

\$923.00

\$369.20

If upon final inspection, if there are any changes to the measure, the incentive will be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose in writing any significant changes to this measure to the Company at the earliest possible point in time for review, evaluation and approval in accordance with this LOA.

Total \$369.20

Demand	kW	Energy	kWh
Summer	0.0	Annual	0
Winter	0.00	Lifetime	0

Demand	ccf/day	Energy	ccf
Summer	0.72	Annual	235
Winter	0.7	Lifetime	2350

Exhibit A
Torrington Fire Dept
Energy Efficiency Services Project #: CT22P01424069
October 19, 2022

Measure 5 of 6: Blanket Insulation

Install Blanket Insulation per the attached Scope of Work

Total Cost for this Measure: \$ **9,551.00**

Total Estimated Incentive this Measure: \$ **964.00**

The incentive offered for this measure is based on information provided by the customer or their authorized representative. If upon final inspection, there are any changes to the measure, the incentive may be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose any significant changes to this measure to the Company in writing at the earliest possible point in time for review and evaluation for additional incentives defined in a future Addendum to this LOA in accordance with this LOA.

Estimated Measure Incentive Breakdown	
Installation (80%)	\$771.20
Measure Verification (20%)*	\$192.80
Total	\$ 964.00

Estimated Natural Gas Savings			
Demand	CCF	Energy	CCF
Winter	1.06	Annual	241
		Lifetime	2,411

***Measure Verification:** The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the proposed system(s) listed above are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. This includes any sensors, control devices, speed controllers, and electrical isolation equipment required for correct automated operation.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

Participant or Design Professional's Signature
(at time of inspection)

Date

Qty	Location	3E Plus Sheet Code	Fitting Description	Type of Fluid (Use drop down list)	Nominal Pipe Size (inches)	Insulation Thickness (inches)	Annual Hours of Operation	Surface Area (Sq. Ft)	Ambient Temperature (degree F)	Surface Temperature (degree F)	Bare Pipe Heat Loss (BTU/hr/ sqft)	Insulated Heat Loss (BTU/hr/sq ft)
1	Mechanical Room	3 fiberglass	Strainer 125/150 (0-299°F)	Heating Hot Water	3.00	1.00	5,440	2.47	75	150	150.80	15.77
2	Mechanical Room	3 fiberglass	3" Inline Pump	Heating Hot Water	3.00	1.00	5,440	4.59	75	150	150.80	15.77
3	Mechanical Room	3 fiberglass	Butterfly Valve 125/150 (0-299°F)	Heating Hot Water	3.00	1.00	5,440	1.25	75	150	150.80	15.77
2	Mechanical Room	3 fiberglass	Gate Valve 125/150 (0-299°F)	Heating Hot Water	3.00	1.00	5,440	2.67	75	150	150.80	15.77
1	Mechanical Room	3 fiberglass	Air Separator	Heating Hot Water	-	1.00	5,440	5.00	75	150	156.10	15.84
1	Mechanical Room	3 fiberglass	Flange 125/150 (0-299°F)	Heating Hot Water	3.00	1.00	5,440	1.31	75	150	150.80	15.77
1	Mechanical Room	3 fiberglass	Control Valve 125/150 (0-299°F)	Heating Hot Water	3.00	1.00	5,440	1.47	75	150	150.80	15.77

Exhibit A
Torrington Fire Dept
Energy Efficiency Services Project #: CT22P01424069
October 19, 2022

Measure 6 of 6: Pipe Insulation

Install Pipe Insulation per the attached Scope of Work

Total Cost for this Measure: \$ **6,828.19**

Total Estimated Incentive this Measure: \$ **904.00**

The incentive offered for this measure is based on information provided by the customer or their authorized representative. If upon final inspection, there are any changes to the measure, the incentive may be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose any significant changes to this measure to the Company in writing at the earliest possible point in time for review and evaluation for additional incentives defined in a future Addendum to this LOA in accordance with this LOA.

Estimated Measure Incentive Breakdown	
Installation (80%)	\$723.20
Measure Verification (20%)*	\$180.80
Total	\$ 904.00

Estimated Natural Gas Savings			
Demand	CCF	Energy	CCF
		Annual	226
Winter	1.00	Lifetime	3,388

***Measure Verification:** The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the proposed system(s) listed above are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. This includes any sensors, control devices, speed controllers, and electrical isolation equipment required for correct automated operation.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

Participant or Design Professional's Signature
(at time of inspection)

Date

#	Location	3E Plus Sheet Code	Type of Fluid (Use drop down list)	Nominal Pipe Size (inches)	Insulation Thickness (inches)	Annual Hours of Operation	Linear Feet	Bare Pipe Heat Loss (BTU/hr/ft)	Insulated Heat Loss (BTU/hr/ft)	# of 90's or 45's	# of Tee's
1	Mechanical Room	F 4 fibergla	Heating Hot Water	4.00	1.00	5,440	6	148.40	15.84	7	0
2	Mechanical Room	F 3 fibergla	Heating Hot Water	3.00	1.00	5,440	6	150.80	15.77	0	0
3	Mechanical Room	2.5 fiberg	Heating Hot Water	2.50	1.00	5,440	3	153.00	14.84	0	0
4	Mechanical Room	0.75 fiberg	Heating Hot Water	0.75	1.00	5,440	6	169.10	14.18	11	0

Exhibit A
Torrington Police Department
Energy Efficiency Services Project #: CT22P01423702
October 19, 2022

A. The Participant will submit documents for review as required. The Company will review construction documents to facilitate the verification of conformance with the energy efficiency improvement measures detailed.

B. The listing of a specific manufacturer in this Contract does not represent an endorsement of a specific product by the Company. Listed manufacturers are those proposed by the Participant in their application. The Participant may substitute an equivalent product, which will produce equal or greater energy savings than the product originally proposed, with the approval of the Company.

Measure 1 of 6 : New and/or Retrofit Lighting and/or Lighting Occupancy Controls

Installation of new and/or retrofit lighting fixtures as proposed on attached project scope and summarized below. The fixtures/lamps shall comply with Eversource LED requirements. **If LED lighting does not meet Eversource LED requirements at time of inspection then incentive shall be recalculated.**

Approximate floor area affected by fixture/lamp retrofits (square feet):	20,670
Basic description of areas being affected:	Police/Fire Station (24 Hr)
Number of existing fixtures/lamps affected:	474
Number of Standard fixtures/lamps to be installed:	0
Number of Enhanced Performance fixtures to be installed:	474
Number of High Performance fixtures to be installed:	0
Number of fixtures/lamps to be controlled by Occupancy Sensors:	389
Number of fixtures/lamps to be controlled by Daylight Harvesting Sensors:	389
Estimated Installed Cost of Standard fixtures/lamps:	\$0.00
Estimated Installed Cost of Enhanced Performance fixtures:	\$140,806.44
Estimated Installed Cost of High Performance fixtures	\$0.00
Estimated Installed Cost of Non-Eligible fixtures/lamps	\$0.00
Total Estimated Installed Cost	\$140,806.44
Total Estimated Incentive	\$44,291.70

If upon final inspection, there are any changes to the measure, the incentive will be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose in writing any significant changes to this measure to the Company at the earliest possible point in time for review, evaluation and approval in accordance with this LOA.

Estimated Measure Incentive Breakdown		Estimated Electrical Savings			
Installation and Additional	\$44,291.70	Demand	kW	Energy	kWh
Measure Verification (100%)*		Summer	9.85	Annual	98,426
Total	\$44,291.70	Winter	5.25	Lifetime	738,673

*Measure Verification: The Participant or the Participant's design professional shall signify that they have satisfied themselves that all installed controls are performing as intended.

1. Verification that all the correct equipment and/or systems are being controlled.
2. Verification of correct system installation. The system shall be defined as any sensors and all the lighting fixtures and/or other equipment (fans, dampers, etc.) that it controls.
3. Verification that all sensors and control devices are calibrated.
4. Verification that the system automatically functions as intended with all defined delays.
5. Verification that operation and maintenance manuals have been provided.
6. Verification that the Participant's representative and/or operator has been instructed in the proper operation and maintenance of the equipment.

Participant or Participant's Design Professional's
Signature (after installation)

Date of Signature

Print Participant's Name

Date of Completed Work

Title of Participant

Company of Participant

Regarding Linear Tube LED Products: Customers should review each lighting technology's installation and maintenance requirements carefully. Some linear LED products are NOT backwards compatible to accommodate fluorescent lamps or other LED tube products after the retrofit. Please follow all manufacturers' specifications when installing and maintaining equipment to ensure proper performance, function and safety. 1)Most LED Linear Tube Replacement Lamp product designs by various manufacturers are mechanically interchangeable and utilize existing fluorescent lamp end connectors to supply power to the lamps. However, many of these LED products are not electrically interchangeable with fluorescent lamps or other LED tube products. As a result, maintenance personnel should follow all manufacturers' installation and maintenance guidelines and be trained in their safe use. 2)All LED Linear Tube Replacement Lamps are required to be Underwriter's Laboratory (UL) 1993 listed. Retrofit products that require rewiring retrofit to existing luminaire fixtures must also meet UL 1598C Classification. As such, these products require fixture retrofit in accordance with manufacturer's installation instructions which includes placement of warning markings on each luminaire fixture in accordance with UL 1598C. Please ensure that the labels are installed and maintained for the life of the product. 3)Please contact the LED product's installer or manufacturer with questions with specific product questions.

The installation of aftermarket resistors into LED lighting products is not allowed.

Torrington Police Department
Torrington, CT 06790
CT22P01423702

Area Description	Qty Before	Description Before	Watts/ Fixture Before	Annual Hours Before	Qty After	Proposed Equipment - Manufacturer	Proposed Equipment - Model Number	"NEW" Occupancy Sensor? (Y or N)	Watts/ Fixture After	Wattage with High End Trim	Annual Hours After
Attic	14	2L 4' T8 Strip	60	2,500	14	ILP	FZ4-20W-U-40-ES FRAL	Y	22	22	1,900
Mechanical	6	2L 4' LED Strip	40	8,760	6	ILP	FZ4-20W-U-40-ES FRAL	Y	22	22	6,658
Generator Room	2	2L 4' LED Strip	40	2,000	2	ILP	FZ4-20W-U-40-ES FRAL	Y	22	22	1,520
No Admittance (BMS)	4	2L 4' LED 2x4 Prismatic	40	2,000	4	ILP	VLN24-3L-U-40-ES	Y	25	25	1,520
Custodian	1	2L 4' LED Strip	40	2,000	1	ILP	FZ4-20W-U-40-ES FRAL	Y	22	22	1,520
Mechanical Room 2	1	2L 4' LED Strip	40	8,760	1	ILP	FZ4-20W-U-40-ES FRAL	Y	22	22	6,658
Corridor	12	2L 4' LED 2x4 Prismatic	40	8,760	12	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Evidence Locker (02)	9	2L 4' LED Strip	40	8,760	9	ILP	FZ4-20W-U-40-ES FRAL	Y	22	22	6,658
Custodian 2	1	75W Incandescent 6" Incandescent Downlight	75	2,000	1	Sylvania	Sylvania RT 5/6/HO/700/835		8	8	2,000
Elevator	2	1L 4' LED Strip	20	8,760	2	ILP	FZ4-20W-U-40-ES FRAL	Y	22	22	6,658
Womens Locker Room	11	2L 4' LED 2x4 Prismatic	40	8,760	11	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Women's Locker Area	2	2L 4' LED 2x4 Prismatic	40	8,760	2	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Exercise Room	9	2L 4' LED 2x4 Prismatic	40	2,500	9	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Mens Locker Room	27	2L 4' LED 2x4 Prismatic	40	8,760	27	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Mens Locker room 2	4	2L 4' LED Slotted Cove	40	8,760	4	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760
Mechanical & Storage	2	2L 4' LED Strip	40	8,760	2	ILP	FZ4-20W-U-40-ES FRAL	Y	22	22	6,658
Storage	1	3L LED SM Drum	30	2,000	1	ILP	FZ2A-16W-U-40-ES FRAL	Y	16	16	1,520
Conference Room	10	2L 4' LED 2x4 Prismatic	40	3,952	10	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Cove	4	2L 4' LED Slotted Cove	40	8,760	4	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760
Armory	2	2L 4' LED 2x4 Prismatic	40	8,760	2	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Dining Area (02)	7	2L 4' LED 2x4 Prismatic	40	3,952	7	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Swat Gear Storage	4	2L 4' LED 2x4 Prismatic	40	2,500	4	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Front	4	2L 4' LED Slotted Cove	40	8,760	4	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760
Workroom	3	2L 4' LED 2x4 Prismatic	40	8,760	3	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Hall	3	2L 4' LED Slotted Cove	40	8,760	3	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760
Interview 1	1	2L 4' LED 2x4 Prismatic	40	8,760	1	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Interview 2	1	2L 4' LED 2x4 Prismatic	40	8,760	1	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Squad Room Main Area	14	2L 4' LED 2x4 Prismatic	40	8,760	14	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Th1	1	2L 4' LED Slotted Cove	40	3,952	1	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	3,952
Th2	1	2L 4' LED 2x4 Prismatic	40	3,952	1	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Supervisors	6	2L 4' LED 2x4 Prismatic	40	3,952	6	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Lockers	4	2L 4' LED 2x4 Prismatic	40	8,760	4	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Evidence Processing	7	3L 4' LED 2x4 Prismatic	60	2,500	7	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Darkroom	1	2L 4' LED 2x4 Prismatic	40	2,000	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,520
IT forensics	7	3L 4' LED 2x4 Prismatic	60	3,952	7	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Conference And Lineup	3	2L 4' LED 2x4 Prismatic	40	3,952	3	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Toilet	1	2L 4' LED Cove	40	2,500	1	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	2,500
Toilet (02)	1	2L 4' LED 2x4 Prismatic	40	2,500	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Lounge	4	2L 4' LED 2x4 Prismatic	40	8,760	4	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Detective Supervised	3	2L 4' LED 2x4 Prismatic	40	8,760	3	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Support Services Office	5	2L 4' LED 2x4 Prismatic	40	8,760	5	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
EI Closet	1	3L LED SM Drum	30	2,000	1	ILP	FZ2A-16W-U-40-ES FRAL	Y	16	16	1,520
Deputy Chief Office	4	2L 4' LED 2x4 Prismatic	40	3,952	4	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Chief Office	9	2L 4' LED 2x4 Prismatic	40	3,952	9	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Chief Office Bathroom	2	2L 4' T8 2x4 Perf Basket	60	2,500	2	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900

Area Description	Qty Before	Description Before	Watts/ Fixture Before	Annual Hours Before	Qty After	Proposed Equipment - Manufacturer	Proposed Equipment - Model Number	"NEW" Occupancy Sensor? (Y or N)	Watts/ Fixture After	Wattage with High End Trim	Annual Hours After
Chief Secretary Office	4	2L 4' LED 2x4 Prismatic	40	3,952	4	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Pantry	4	2L 4' LED 2x4 Prismatic	40	2,500	4	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Restroom	1	2L 4' LED 2x4 Prismatic	40	2,500	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Administrative Services Office	8	2L 4' LED 2x4 Prismatic	40	3,952	8	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Youth Service Office	6	2L 4' LED 2x4 Prismatic	40	3,952	6	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Yi A	1	2L 4' LED 2x4 Prismatic	40	3,952	1	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Youth services Toilet	1	2L 4' LED 2x4 Prismatic	40	2,500	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Yi c	1	2L 4' LED 2x4 Prismatic	40	3,952	1	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Yi b	1	2L 4' LED 2x4 Prismatic	40	3,952	1	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Training Office	4	2L 4' LED 2x4 Prismatic	40	3,952	4	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Quartermaster	2	2L 4' LED 2x4 Prismatic	40	8,760	2	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Hat Storage	1	2L 4' LED 2x4 Prismatic	40	2,000	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,520
Back Office	4	2L 4' LED 2x4 Prismatic	40	8,760	4	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Storage	1	3L CFL SM Drum	45	2,500	1	Philips	Philips 5.5A19/2200-2700 DIM (46911-4) Model #929		6	6	2,500
Yi D	1	2L 4' LED 2x4 Prismatic	40	3,952	1	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Custodian 3	1	3L CFL SM Drum	45	2,000	1	Philips	Philips 5.5A19/2200-2700 DIM (46911-4) Model #929		6	6	2,000
Conference Room	4	2L 4' LED 2x4 Prismatic	40	3,952	4	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Conference Room Restroom	1	2L 4' LED 2x4 Prismatic	40	2,500	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Corridor	22	2L 4' LED 2x4 Prismatic	40	8,760	22	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Stairs	6	2L 4' LED 2x4 Prismatic	40	8,760	6	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Stairs	6	2L 4' LED 2x4 Prismatic	40	8,760	6	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Shift Commander	6	2L 4' LED 2x4 Prismatic	40	8,760	6	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Computer	4	2L 4' LED 2x4 Prismatic	40	8,760	4	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Computer (02)	1	2L 4' LED 2x4 Prismatic	40	8,760	1	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Records Main Area	6	2L 4' LED 2x4 Prismatic	40	8,760	6	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Records Main Area	4	2L 4' LED Cove	40	8,760	4	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760
Records Supervisor	4	2L 4' LED 2x4 Prismatic	40	3,952	4	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Vault	3	2L 4' LED 2x4 Prismatic	40	1,500	3	ILP	VLN24-3L-U-40-ES	Y	25	25	1,140
Dispatch	5	2L 4' LED 2x4 Prismatic	40	8,760	5	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Front Window	3	2L 4' LED 2x4 Prismatic	40	8,760	3	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Dispatch Office	2	2L 4' LED 2x4 Prismatic	40	8,760	2	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Restroom	1	2L 4' LED 2x4 Prismatic	40	8,760	1	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Traffic Office	6	2L 4' LED 2x4 Prismatic	40	3,952	6	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
EI Closet	1	75W Incandescent 6" Incandescent Downlight	75	2,500	1	Sylvania	Sylvania RT 5/6/HO/700/835		8	8	2,500
Patrol Captain	4	2L 4' LED 2x4 Prismatic	40	8,760	4	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Interview A	1	2L 4' LED 2x4 Prismatic	40	8,760	1	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Patrol Sergeant	4	2L 4' LED 2x4 Prismatic	40	8,760	4	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Interview B	1	2L 4' LED 2x4 Prismatic	40	8,760	1	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Hallway	12	2L 4' LED 2x4 Prismatic	40	8,760	12	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Hallway (02)	3	2L 4' LED 2x4 Prismatic	40	8,760	3	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Report Room Office	4	2L 4' LED 2x4 Prismatic	40	8,760	4	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Visitor	2	2L 4' LED 2x4 Prismatic	40	3,952	2	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Mens Room	1	2L 4' LED Cove	40	2,500	1	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	2,500
Med Storage	4	60W Incandescent Screw-In A-lamp	60	2,000	4	Philips	Philips LED: 9290012894		6	6	2,000
Biohazard	4	60W Incandescent Screw-In A-lamp	60	2,000	4	Philips	Philips LED: 9290012894		6	6	2,000
Cell 7-9	4	2L 4' LED 2x4 Prismatic	40	8,760	4	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Storage	2	60W Incandescent Screw-In A-lamp	60	2,500	2	Philips	Philips LED: 9290012894		6	6	2,500
Cells 1-6	7	2L 4' LED Cove	40	8,760	7	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760

Area Description	Qty Before	Description Before	Watts/ Fixture Before	Annual Hours Before	Qty After	Proposed Equipment - Manufacturer	Proposed Equipment - Model Number	"NEW" Occupancy Sensor? (Y or N)	Watts/ Fixture After	Wattage with High End Trim	Annual Hours After
Cell Block Hall	5	2L 4' LED 2x4 Prismatic	40	8,760	5	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Cell Block f1-F3	6	2L 4' LED Cove	40	8,760	6	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760
Matron	2	2L 4' LED 2x4 Prismatic	40	8,760	2	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Bathroom	1	2L 4' LED 2x4 Prismatic	40	2,500	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Woman's Room	1	2L 4' LED 2x4 Prismatic	40	2,500	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Main Area	6	2L 4' LED Cove	40	8,760	6	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760
Sallyport Hallway	4	2L 4' LED 2x4 Prismatic	40	8,760	4	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Sally Port	9	2L 4' LED Cove	40	8,760	9	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760
Holding Cell 1	1	2L 4' LED 2x4 Prismatic	40	8,760	1	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Holding Cell 2	3	2L 4' LED 2x4 Prismatic	40	8,760	3	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Testing	1	2L 4' LED 2x4 Prismatic	40	2,500	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Storage 3	1	3L 4' LED 2x4 Prismatic	60	2,500	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Interview C	1	2L 4' LED 2x4 Prismatic	40	2,500	1	ILP	VLN24-3L-U-40-ES	Y	25	25	1,900
Mugging & Printing	2	2L 4' LED 2x4 Prismatic	40	3,952	2	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Cellblock Foyer	1	2L 4' LED 2x4 Prismatic	40	8,760	1	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Lobby/Reception	2	2L 4' LED 2x4 Prismatic	40	8,760	2	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Lobby/Reception (02)	10	2L 4' LED Cove	40	8,760	10	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760
Community Relations	6	2L 4' LED 2x4 Prismatic	40	8,760	6	ILP	VLN24-3L-U-40-ES	Y	25	25	6,658
Stairs	7	2L 4' LED Cove	40	8,760	7	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	8,760
Public Toilet	1	2L 4' LED 2x4 Prismatic	40	3,952	1	ILP	VLN24-3L-U-40-ES	Y	25	25	3,004
Main Foyer	4	2L 4' LED Cove	40	3,952	4	Green Creative	Green Creative 11.5T8/4F/835/EXT + 15T8T5HEDRIVE		12	12	3,952

Exhibit A
Torrington Police Department
Energy Efficiency Services Project #: CT22P01423702
October 19, 2022

Measure 2 of 6: VFD Control

Install Variable Frequency Drive (VFD) control for a total of (1) 7.5 HP chilled water pumps used for space cooling. The control shall modulate to automatically control system water flow and pressure.

Total Estimated Cost this Measure: **\$ 12,444.00**

The incentive offered for this measure is based on information provided by the customer or their authorized representative. If upon final inspection, there are any changes to the measure, the incentive may be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose any significant changes to this measure to the Company in writing at the earliest possible point in time for review and evaluation for additional incentives defined in a future Addendum to this LOA in accordance with this LOA.

Estimated Measure Incentive Breakdown	
Installation (80%)	\$3,982.08
Measure Verification (20%)*	\$995.52
Total	\$ 4,977.60

Estimated Electricity Savings			
Demand	kW	Energy	kWh
Summer	1.60	Annual	19,294
Winter	0.00	Lifetime	289,410

***Measure Verification:** The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the proposed system(s) listed above are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. This includes any sensors, control devices, speed controllers, and electrical isolation equipment required for correct automated operation.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

Participant or Design Professional's Signature
(at time of inspection)

Date

Exhibit A
Torrington Police Department
Energy Efficiency Services Project #: CT22P01423702
October 19, 2022

Measure 3 of 6 :Vending Machine Controls

PROPOSED SYSTEM		
Number of Machines	Equipment Type	Timer or Occupancy Sensor
1	Non-Refrigerated Snack Vending Machines	Occupancy
1	Refrigerated Beverage Vending Machines	Occupancy
Total Estimated Cost for this Measure:		\$969.00
Total Estimated Incentive for this Measure:		\$150.00

The incentive offered for this measure is based on information provided by the customer or their authorized representative. If upon final inspection there are any changes to the measure, the incentive may be recalculated based on installed equipment and the Company's review. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose in writing any significant changes to this measure to the Company at the earliest possible point in time for review, evaluation and approval in accordance with this LOA.

INCENTIVE AND SAVINGS BREAKDOWN (ELECTRIC)					
Estimated Measure Incentive		Estimated Electricity Savings			
Installation (80%)	\$120.00	Demand	kW	Energy	kWh
Measure Verification (20%)*	\$30.00	Summer	0.00	Annual	425
Total	\$150.00	Winter	0.00	Lifetime	2,125

***Measure Verification:** The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the proposed system(s) listed above are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. This includes any sensors, control devices, speed controllers, and electrical isolation equipment required for correct automated operation.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

**Participant or Participant's Design Professional's
Signature (after installation)**

Date of Signature

Print Participant's Name

Date of Completed Work

Title of Participant

Company of Participant

Exhibit A
Torrington Police Department
Energy Efficiency Services Project #: CT22P01423702
October 19, 2022

Measure 4 of 6: Installation of High Efficiency Natural Gas Fired Boiler(s)

This measure will provide a total of 2 high efficiency natural gas fired boiler(s) within the facility. The gas boiler(s) shall have efficiencies greater than or equal to the one(s) listed in the table below.

Manufacturer	Model #	Qty.	AFUE/T.E.	Input Capacity (MBH)	Unit S/N (at time of inspection)
IBC	iFIRE 500	1	96.00%	500	
IBC	iFIRE 650	1	96.00%	650	

Total Cost for this Measure: **\$135,714.00**

Total Estimated Installation Incentive this Measure: **\$5,750.00**

Estimated Measure Incentive Breakdown	
Installation (80%)	\$4,600.00
Measure Verification (20%)*	\$1,150.00
Total	\$5,750.00

Estimated Natural Gas Savings			
Demand	CCF/Day	Energy	CCF
Winter	5.47	Annual	411
		Lifetime	8,220

*Measure Verification: The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the boiler(s) and their controls are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. The system shall be defined as the boiler system, all sensors, all control devices, and associated piping and venting.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

Participant or Design Professional's Signature
(at time of inspection)

Date

Exhibit A
Torrington Police Dept
CT22P01423702
October 19, 2022

Measure 5 of 6 : Installation of Spray Valves, Shower Heads, and Faucet Aerators.

Replacement of existing shower heads with units that have an average flow rate of 1.6 gpm (or less), Summary of installed equipment listed below as

Furnish and Install

5 Showerheads

Quoted incremental installation cost for this measure is:

\$462.00

Total Estimated Installation Incentive for this Measure:

\$184.80

If upon final inspection, if there are any changes to the measure, the incentive will be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose in writing any significant changes to this measure to the Company at the earliest possible point in time for review, evaluation and approval in accordance with this LOA.

Estimated Measure Incentive Breakdown	
Installation:	
Measure verification (100%)	\$184.80
Total	\$184.80

Estimated Electric Cooling Savings			
Demand	kW	Energy	kWh
Summer	0.0	Annual	0
Winter	0.00	Lifetime	0

Estimated Gas Savings			
Demand	ccf/day	Energy	ccf
Summer	0.41	Annual	136
Winter	0.41	Lifetime	1360

Exhibit A
Torrington Police Department
Energy Efficiency Services Project #: CT22P01423702
October 19, 2022

Measure 6 of 6: Blanket Insulation

Install Blanket Insulation per the attached Scope of Work

Total Cost for this Measure: \$ **4,932.96**

Total Estimated Incentive this Measure: \$ **1,016.00**

The incentive offered for this measure is based on information provided by the customer or their authorized representative. If upon final inspection, there are any changes to the measure, the incentive may be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose any significant changes to this measure to the Company in writing at the earliest possible point in time for review and evaluation for additional incentives defined in a future Addendum to this LOA in accordance with this LOA.

Estimated Measure Incentive Breakdown	
Installation (80%)	\$812.80
Measure Verification (20%)*	\$203.20
Total	\$ 1,016.00

Estimated Natural Gas Savings			
Demand	CCF	Energy	CCF
		Annual	254
Winter	1.12	Lifetime	2,541

***Measure Verification:** The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the proposed system(s) listed above are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. This includes any sensors, control devices, speed controllers, and electrical isolation equipment required for correct automated operation.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

Participant or Design Professional's Signature
(at time of inspection)

Date

Qty	Location	3E Plus Sheet Code	Fitting Description	Type of Fluid (Use drop down list)	Nominal Pipe Size (inches)	Insulation Thickness (inches)	Annual Hours of Operation	Surface Area (Sq. Ft)	Ambient Temperature (degree F)	Surface Temperature (degree F)	Bare Pipe Heat Loss (BTU/hr/ sqft)	Insulated Heat Loss (BTU/hr/sq ft)
2	Boiler Room	1504 fiberglass	1 4" Pump Jacket	Heating Hot Water	4.00	1.00	5,440	9.33	90	150	148.40	15.84
2	Boiler Room	1504 fiberglass	1 4" Basket Strainer	Heating Hot Water	4.00	1.00	5,440	5.17	90	150	148.40	15.84

Exhibit A
Torrington Public Works
Energy Efficiency Services Project #: CT22P01424115
October 19, 2022

A. The Participant will submit documents for review as required. The Company will review construction documents to facilitate the verification of conformance with the energy efficiency improvement measures detailed.

B. The listing of a specific manufacturer in this Contract does not represent an endorsement of a specific product by the Company. Listed manufacturers are those proposed by the Participant in their application. The Participant may substitute an equivalent product, which will produce equal or greater energy savings than the product originally proposed, with the approval of the Company.

Measure 1 of 1 : New and/or Retrofit Lighting and/or Lighting Occupancy Controls

Installation of new and/or retrofit lighting fixtures as proposed on attached project scope and summarized below. The fixtures/lamps shall comply with Eversource LED requirements. **If LED lighting does not meet Eversource LED requirements at time of inspection then incentive shall be recalculated.**

Approximate floor area affected by fixture/lamp retrofits (square feet):	34,610
Basic description of areas being affected:	Office (General Office Types)
Number of existing fixtures/lamps affected:	138
Number of Standard fixtures/lamps to be installed:	0
Number of Enhanced Performance fixtures to be installed:	138
Number of High Performance fixtures to be installed:	0
Number of fixtures/lamps to be controlled by Occupancy Sensors:	121
Number of fixtures/lamps to be controlled by Daylight Harvesting Sensors:	121
Estimated Installed Cost of Standard fixtures/lamps:	\$0.00
Estimated Installed Cost of Enhanced Performance fixtures:	\$85,931.22
Estimated Installed Cost of High Performance fixtures:	\$0.00
Estimated Installed Cost of Non-Eligible fixtures/lamps:	\$0.00
Total Estimated Installed Cost	\$85,931.22
Total Estimated Incentive	\$28,305.90

If upon final inspection, there are any changes to the measure, the incentive will be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose in writing any significant changes to this measure to the Company at the earliest possible point in time for review, evaluation and approval in accordance with this LOA.

Estimated Measure Incentive Breakdown		Estimated Electrical Savings			
Installation and Additional	\$28,305.90	Demand	kW	Energy	kWh
Measure Verification (100%)*		Summer	10.36	Annual	62,902
Total	\$28,305.90	Winter	9.41	Lifetime	456,769

*Measure Verification: The Participant or the Participant's design professional shall signify that they have satisfied themselves that all installed controls are performing as intended.

1. Verification that all the correct equipment and/or systems are being controlled.
2. Verification of correct system installation. The system shall be defined as any sensors and all the lighting fixtures and/or other equipment (fans, dampers, etc.) that it controls.
3. Verification that all sensors and control devices are calibrated.
4. Verification that the system automatically functions as intended with all defined delays.
5. Verification that operation and maintenance manuals have been provided.
6. Verification that the Participant's representative and/or operator has been instructed in the proper operation and maintenance of the equipment.

Participant or Participant's Design Professional's
Signature (after installation)

Date of Signature

Print Participant's Name

Date of Completed Work

Title of Participant

Company of Participant

Regarding Linear Tube LED Products: Customers should review each lighting technology's installation and maintenance requirements carefully. Some linear LED products are NOT backwards compatible to accommodate fluorescent lamps or other LED tube products after the retrofit. Please follow all manufacturers' specifications when installing and maintaining equipment to ensure proper performance, function and safety. 1)Most LED Linear Tube Replacement Lamp product designs by various manufacturers are mechanically interchangeable and utilize existing fluorescent lamp end connectors to supply power to the lamps. However, many of these LED products are not electrically interchangeable with fluorescent lamps or other LED tube products. As a result, maintenance personnel should follow all manufacturers' installation and maintenance guidelines and be trained in their safe use. 2)All LED Linear Tube Replacement Lamps are required to be Underwriter's Laboratory (UL) 1993 listed. Retrofit products that require rewiring retrofit to existing luminaire fixtures must also meet UL 1598C Classification. As such, these products require fixture retrofit in accordance with manufacturer's installation instructions which includes placement of warning markings on each luminaire fixture in accordance with UL 1598C. Please ensure that the labels are installed and maintained for the life of the product. 3)Please contact the LED product's installer or manufacturer with questions with specific product questions.

The installation of aftermarket resistors into LED lighting products is not allowed.

Project Scope

Torrington Public Works											
Torrington, CT											
CT22P01424115											
Area Description	Qty Before	Description Before	Watts/ Fixture Before	Annual Hours Before	Qty After	Proposed Equipment - Manufacturer	Proposed Equipment - Model Number	"NEW" Occupancy Sensor? (Y or N)	Watts/ Fixture After	Wattage with High End Trim	Annual Hours After
Lobby	1	3L 4' T8 2x4 Parabolic	88	3,536	1	ILP	LANCE24-30L-U-40-ES	Y	21	21	2,687
Office Main Area	10	3L 4' T8 2x4 Parabolic	88	3,536	10	ILP	LANCE24-30L-U-40-ES	Y	21	21	2,687
Reception Office	2	3L 4' T8 2x4 Parabolic	88	3,536	2	ILP	LANCE24-30L-U-40-ES	Y	21	21	2,687
Corner Office	2	3L 4' T8 2x4 Parabolic	88	3,536	2	ILP	LANCE24-30L-U-40-ES	Y	21	21	2,687
Classroom	6	3L 4' T8 2x4 Parabolic	88	3,536	6	ILP	LANCE24-30L-U-40-ES	Y	21	21	2,687
Fleet Manager Office	3	3L 4' T8 2x4 Parabolic	88	3,536	3	ILP	LANCE24-30L-U-40-ES	Y	21	21	2,687
Office Restroom	1	LED Downlight	15	1,500	1	Sylvania	Sylvania RT 5/6/HO/700/835 + RT6/8		8	8	1,500
Womens Restroom	1	LED Downlight	15	1,500	1	Sylvania	Sylvania RT 5/6/HO/700/835 + RT6/8		8	8	1,500
Mens Restroom	1	LED Downlight	15	1,500	1	Sylvania	Sylvania RT 5/6/HO/700/835 + RT6/8		8	8	1,500
Slopsink	1	2L 4' T8 1x4 Prismatic	60	3,536	1	ILP	LANCE14-29L-U-40-ES	Y	21	21	2,687
Breakroom	4	4L 4' T8 2x4 Prismatic	112	3,536	4	ILP	LANCE24-30L-U-40-ES	Y	21	21	2,687
Lockerroom	9	4L 4' T8 2x4 Prismatic	112	3,536	9	ILP	LANCE24-30L-U-40-ES	Y	21	21	2,687
Front Corridor	3	4L 4' T8 2x4 Prismatic	112	8,760	3	ILP	LANCE24-30L-U-40-ES	Y	21	21	6,658
Repair Bays	1	2L 4' T8 Strip	60	3,536	1	ILP	FZ4-20W-U-40-ES FRAL	Y	22	22	2,687
Repair Bays	1	2L 4' T8 Tandem Strip	112	3,536	1	ILP	FZ8-40W-U-40-ES FRAL	Y	44	44	2,687
Repair Bays	13	2L 8' T8 Strip	109	3,536	13	ILP	FZ8-40W-U-40-ES FRAL	Y	44	44	2,687
Repair Bays	9	2L 8' T8 Strip	109	3,536	9	ILP	FZ8-40W-U-40-ES FRAL	Y	44	44	2,687
Parts	1	2L 4' T8 Strip	60	3,536	1	ILP	FZ4-20W-U-40-ES FRAL	Y	22	22	2,687
Parts	6	2L 8' T8 Strip	109	3,536	6	ILP	FZ8-40W-U-40-ES FRAL	Y	44	44	2,687
Parts	4	2L 8' T8 Strip	109	3,536	4	ILP	FZ8-40W-U-40-ES FRAL	Y	44	44	2,687
Machine Shop	8	4L 4' T5 HO Hi Bay	234	3,536	8	ILP	HHB-90WLED-UNIV-50-ES-FRAL	Y	90	90	2,687
Machine Shop	4	2L 4' T8 Tandem Strip	112	3,536	4	ILP	FZ8-40W-U-40-ES FRAL	Y	44	44	2,687
Main Bay	29	4L 4' T5 HO Hi Bay	234	3,536	29	ILP	HHB-90WLED-UNIV-50-ES-FRAL	Y	90	90	2,687
Main Bay	4	2L 4' T8 Tandem Strip	112	3,536	4	ILP	FZ8-40W-U-40-ES FRAL	Y	44	44	2,687
Front Lot	2	175W MH Wall Pack	205	4,380	2	ILP	WPSO 30WLED UNIV 50-PCU		31	31	4,380
Front Lot	3	250W MH Wash	295	4,380	3	ILP	FML 55WLED UNIV 50-PCU7		54	54	4,380
Front Lot	2	250W MH Wash	295	4,380	2	ILP	FML 55WLED UNIV 50-PCU7		54	54	4,380
South	2	175W MH Wall Pack	205	4,380	2	ILP	WPSO 30WLED UNIV 50-PCU		31	31	4,380
South	3	250W MH Wash	295	4,380	3	ILP	FML 55WLED UNIV 50-PCU7		54	54	4,380
East Side	2	250W MH Wash	295	4,380	2	ILP	FML 55WLED UNIV 50-PCU7		54	54	4,380

Exhibit A
Torrington Street Lighting
Energy Efficiency Services Project #: CT22P01424794
October 19, 2022

A. The Participant will submit documents for review as required. The Company will review construction documents to facilitate the verification of conformance with the energy efficiency improvement measures detailed.

B. The listing of a specific manufacturer in this Contract does not represent an endorsement of a specific product by the Company. Listed manufacturers are those proposed by the Participant in their application. The Participant may substitute an equivalent product, which will produce equal or greater energy savings than the product originally proposed, with the approval of the Company.

Measure 1 of 1 : New and/or Retrofit Lighting

Installation of new and/or retrofit lighting fixtures as proposed on attached project scope and summarized below. The fixtures/lamps shall comply with Eversource LED requirements. **If LED lighting does not meet Eversource LED requirements at time of inspection then incentive shall be recalculated.**

Approximate floor area affected by fixture/lamp retrofits (square feet):	10,000
Basic description of areas being affected:	Parking Garage and Lot
Number of existing fixtures/lamps affected:	476
Number of Standard fixtures/lamps to be installed:	476
Number of Enhanced Performance fixtures to be installed:	0
Number of High Performance fixtures to be installed:	0
Number of fixtures/lamps to be controlled by Occupancy Sensors:	0
Number of fixtures/lamps to be controlled by Daylight Harvesting Sensors:	0
Estimated Installed Cost of Standard fixtures/lamps:	\$454,308.68
Estimated Installed Cost of Enhanced Performance fixtures:	\$0.00
Estimated Installed Cost of High Performance fixtures:	\$0.00
Estimated Installed Cost of Non-Eligible fixtures/lamps:	\$0.00
Total Estimated Installed Cost	\$454,308.68
Total Estimated Incentive	\$35,112.25

If upon final inspection, there are any changes to the measure, the incentive will be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose in writing any significant changes to this measure to the Company at the earliest possible point in time for review, evaluation and approval in accordance with this LOA.

Estimated Measure Incentive Breakdown	
Installation and Additional	\$35,112.25
Measure Verification (100%)*	
Total	\$35,112.25

*Additional Measure Verification: (Visual verification only)

Estimated Electrical Savings			
Demand	kW	Energy	kWh
Summer	0.47	Annual	140,449
Winter	27.99	Lifetime	983,143

Regarding Linear Tube LED Products; Customers should review each lighting technology's installation and maintenance requirements carefully. Some linear LED products are NOT backwards compatible to accommodate fluorescent lamps or other LED tube products after the retrofit. Please follow all manufacturers' specifications when installing and maintaining equipment to ensure proper performance, function and safety. 1)Most LED Linear Tube Replacement Lamp product designs by various manufacturers are mechanically interchangeable and utilize existing fluorescent lamp end connectors to supply power to the lamps. However, many of these LED products are not electrically interchangeable with fluorescent lamps or other LED tube products. As a result, maintenance personnel should follow all manufacturers' installation and maintenance guidelines and be trained in their safe use. 2)All LED Linear Tube Replacement Lamps are required to be Underwriter's Laboratory (UL) 1993 listed. Retrofit products that require rewiring retrofit to existing luminaire fixtures must also meet UL 1598C Classification. As such, these products require fixture retrofit in accordance with manufacturer's installation instructions which includes placement of warning markings on each luminaire fixture in accordance with UL 1598C. Please ensure that the labels are installed and maintained for the life of the product. 3)Please contact the LED product's installer or manufacturer with questions with specific product questions.

The installation of aftermarket resistors into LED lighting products is not allowed.

Project Scope

Torrington Street Lighting											
Torrington, CT											
CT22P01424794											
Area Description	Qty Before	Description Before	Watts/ Fixture Before	Annual Hours Before	Qty After	Proposed Equipment - Manufacturer	Proposed Equipment - Model Number	"NEW" Occupancy Sensor? (Y or N)	Watts/ Fixture After	Wattage with High End Trim	Annual Hours After
Colonial	14	50W HPS Pole Light	65	4,380	14	GE Current	EPTT-01-[0,1,2,3,4]-03-A-A-40-[A,D,H]	N	30	30	4,380
Colonial	426	70W HPS Pole Light	90	4,380	426	GE Current	EPTT-01-[0,1,2,3,4]-03-A-A-40-[A,D,H]	N	30	30	4,380
Colonial	6	100W HPS Pole Light	130	4,380	6	GE Current	EPTT-01-[0,1,2,3,4]-06-C-A-40-[A,D,H]	N	56	56	4,380
Cobra Head	11	70W HPS Pole Light	90	4,380	11	GE Current	ERL1-[0,1,2,3,4]-03-C5-40-X-XXX-X	N	22	22	4,380
Cobra Head	1	150W HPS Pole Light	190	4,380	1	GE Current	ERL1-[0,1,2,3,4,5,D,H]-09-C5-40-X-X	N	68	68	4,380
Cobra Head	1	250W HPS Pole Light	295	4,380	1	GE Current	ERL1-[0,1,2,3,4,5,D,H]-09-C5-40-X-X	N	68	68	4,380
Large Decroitive	5	400W HPS Pole Light	460	4,380	5	GE Current	EPTT-01-[0,1,2,3,4]-05-A-A-40-[A,D,H]	N	56	56	4,380
ShoeBox	1	150W HPS Pole Light	190	4,380	1	GE Current	EACL-01-[0,1,2,3,4,5,D,H]-F3-AW-7-	N	122	122	4,380
ShoeBox	6	250W HPS Pole Light	295	4,380	6	GE Current	EACL-01-[0,1,2,3,4,5,D,H]-H3-AW-7-	N	153	153	4,380
ShoeBox	5	400W HPS Pole Light	460	4,380	5	GE Current	EACL-01-[0,1,2,3,4,5,D,H]-H3-AW-7-	N	153	153	4,380

Exhibit A
Torrington Teen Center
Energy Efficiency Services Project #: CT22P01548472
October 19, 2022

Measure 1 of 1: Pipe Insulation

Install Pipe Insulation based on the attached Scope of Work

Total Cost for this Measure: \$ 10,044.62

Total Estimated Incentive this Measure: \$ 4,017.85

The incentive offered for this measure is based on information provided by the customer or their authorized representative. If upon final inspection, there are any changes to the measure, the incentive may be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose any significant changes to this measure to the Company in writing at the earliest possible point in time for review and evaluation for additional incentives defined in a future Addendum to this LOA in accordance with this LOA.

Estimated Measure Incentive Breakdown	
Installation (80%)	\$3,214.28
Measure Verification (20%)*	\$803.57
Total	\$ 4,017.85

Estimated Natural Gas Savings			
Demand	CCF	Energy	CCF
		Annual	2,789
Winter	12.31	Lifetime	41,832

***Measure Verification:** The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the proposed system(s) listed above are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. This includes any sensors, control devices, speed controllers, and electrical isolation equipment required for correct automated operation.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

Participant or Design Professional's Signature
(at time of inspection)

Date

#	Location	3E Plus Sheet Code	Type of Fluid (Use drop down list)	Nominal Pipe Size (inches)	Insulation Thickness (inches)	Annual Hours of Operation	Linear Feet	Bare Pipe Heat Loss (BTU/hr/ft)	Insulated Heat Loss (BTU/hr/ft)	# of 90's or 45's	# of Tee's	Equivalent Feet of Fittings	Total Equivalent Feet
1	Boiler Room	227F 4 fibegrlass 2	Low Pressure Steam	4.00	2.00	5,440	8	328.40	15.05	5	0	2	10
2	Boiler Room	227F 2 fibegrlass 2	Low Pressure Steam	2.00	2.00	5,440	7	342.70	12.58	4	0	1	8
3	Occupied Spaces	227F 1.25 fiberglass 2	Low Pressure Steam	1.25	2.00	5,440	36	400.90	11.72	5	0	1	37
4	Occupied Spaces	227F 2.5 fiberglass 2	Low Pressure Steam	2.50	2.00	5,440	24	374.50	12.66	0	0	0	24
5	Occupied Spaces	227F 4 fibegrlass 2	Low Pressure Steam	4.00	2.00	5,440	24	328.40	15.05	5	0	2	26
6	Occupied Spaces	227F 2 fibegrlass 2	Low Pressure Steam	2.00	2.00	5,440	14	342.70	12.58	4	0	1	15

Exhibit A
Torrington Veterans Building
Energy Efficiency Services
Project #: CT22P01548613
October 19, 2022

Measure 1 of 2: Blanket Insulation

Install Blanket Insulation per the attached Scope of Work

Total Cost for this Measure: **\$ 1,441.70**

Total Estimated Incentive this Measure: **\$ 576.68**

The incentive offered for this measure is based on information provided by the customer or their authorized representative. If upon final inspection, there are any changes to the measure, the incentive may be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose any significant changes to this measure to the Company in writing at the earliest possible point in time for review and evaluation for additional incentives defined in a future Addendum to this LOA in accordance with this LOA.

Estimated Measure Incentive Breakdown	
Installation (80%)	\$461.34
Measure Verification (20%)*	\$115.34
Total	\$ 576.68

Estimated Oil Savings			
Demand	Gallons	Energy	Gallons
		Annual	170
Winter	0.00	Lifetime	1,700

***Measure Verification:** The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the proposed system(s) listed above are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. This includes any sensors, control devices, speed controllers, and electrical isolation equipment required for correct automated operation.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

Participant or Design Professional's Signature
(at time of inspection)

Date

Qty	Location	3E Plus Sheet Code	Fitting Description	Type of Fluid (Use drop down list)	Nominal Pipe Size (inches)	Insulation Thickness (inches)	Annual Hours of Operation	Surface Area (Sq. Ft)	Ambient Temperature (degree F)	Surface Temperature (degree F)	Bare Pipe Heat Loss (BTU/hr/ sqft)	Insulated Heat Loss (BTU/hr/sq ft)
1	mechanical room	227F na Fiberglass 1	condensate tank	Low Pressure Steam		1.00	5,440	11.25	90	227	346.40	38.24

Exhibit A
Torrington Veterans Building
Energy Efficiency Services Project #: CT22P01548613
October 19, 2022

Measure 2 of 2: Pipe Insulation

Install Pipe Insulation per the attached Scope of Work

Total Cost for this Measure: \$ 10,556.93

Total Estimated Incentive this Measure: \$ 4,222.77

The incentive offered for this measure is based on information provided by the customer or their authorized representative. If upon final inspection, there are any changes to the measure, the incentive may be recalculated based on installed equipment and the Company's review of itemized invoices. At its discretion, the Company may limit the incentive to the amount stated in this Exhibit A for this measure. Therefore, the Company advises that the Participant or the Participant's design professional propose any significant changes to this measure to the Company in writing at the earliest possible point in time for review and evaluation for additional incentives defined in a future Addendum to this LOA in accordance with this LOA.

Estimated Measure Incentive Breakdown	
Installation (80%)	\$3,378.22
Measure Verification (20%)*	\$844.55
Total	\$ 4,222.77

Estimated Oil Savings			
Demand	Gallons	Energy	Gallons
		Annual	2,541
Winter	0.00	Lifetime	38,114

***Measure Verification:** The Participant or the Participant's design professional shall sign below stating that they have satisfied themselves that the proposed system(s) listed above are performing as intended. By signing, the Participant assures:

- They have verified correct system installation. This includes any sensors, control devices, speed controllers, and electrical isolation equipment required for correct automated operation.
- They have verified that there are no unusual noises or vibrations.
- Verification that operation and maintenance manuals have been provided.
- Verification that the Participant's representative and/or operator has been instructed in the proper start-up, operation and maintenance of the equipment.

Participant or Design Professional's Signature
(at time of inspection)

Date

#	Location	3E Plus Sheet Code	Type of Fluid (Use drop down list)	Nominal Pipe Size (inches)	Insulation Thickness (inches)	Annual Hours of Operation	Linear Feet	Bare Pipe Heat Loss (BTU/hr/ft)	Insulated Heat Loss (BTU/hr/ft)	# of 90's or 45's	# of Tee's
1	Mechanical Room	3 Fiberglass	Low Pressure Steam	3.00	2.00	5,440	18	333.40	14.27	5	0
2	Mechanical Room	2 Fiberglass	Low Pressure Steam	2.00	2.00	5,440	42	342.70	12.58	7	0
3	Occupied Lower Level	1 Fiberglass	Low Pressure Steam	1.00	2.00	5,440	36	400.90	11.72	10	0
4	Occupied Lower Level	2.5 Fiberglass	Low Pressure Steam	2.50	2.00	5,440	42	374.50	12.66	10	0

Electric Incentive Summary
Eversource
City of Torrington

Project No.	Facility Name	Address
CT22P01424069	Torrington Fire Department	111 Water St, Torrington, CT 06790
CT22P01423702	Torrington Police Department	576 Main St, Torrington, CT 06790
CT22P01424115	Torrington Public Works	140 Main St, Torrington, CT 06790
CT22P01424794	Torrington Street Lights	Various
CT22P01548472	Torrington Rec Hall & Teen Center	71 E Albert St, Torrington, CT 06790
CT22P01548613	Torrington Veterans Building	33 Coe Place, Torrington, CT 06790

This project is eligible for a Total Comprehensive incentive if all measures in this Exhibit A as well the Gas, Oil, and Propane Exhibit As are installed as listed for Project # CT22P01424069, CT22P01424115, CT22P01424794, CT22P01423702, CT22P01548613, CT22P01548472. Each and every measure must be installed for the Total Comprehensive incentive to be paid.

If one or more measure(s) is not installed, only the incentives listed for the installed measure(s) will be paid. If the project's actual installed cost or the calculated energy savings differ from the values in this Exhibit A, the amount and level of the incentive will be recalculated.

This recalculation may reduce the incentive. The incentive level for this project is Total Comprehensive and the calculated incentive for this project, for all the electric measures included in this Exhibit A is: \$263,008.85

The Total Comprehensive incentive is based on the lesser of 65% of the Project Installed Cost or the Utility Savings Cap. The Total Comprehensive incentive is prorated between gas, electric, oil, and propane projects based on annual \$ savings. For this project, the total project incentive is based on the Utility Savings Cap.

The Single End Use incentive eligibility requirements are listed on each individual Exhibit A.

The Total Comprehensive incentive eligibility requirements are as follows:

- Project must have energy savings from at least three end uses, electric, gas, oil, and/or propane. An end use is defined as Gas, Electric, Oil, or Propane impacting Heating; Cooling; Lighting; Process; Domestic Water Heating; Refrigeration; Motors and Drives
- If lighting is one end use, must be at a minimum Enhanced Performance Lighting
- No one end use can have 90% or greater of the value of the project's annual \$ savings
- Each qualifying end use must contribute at least 3% of the value of the project's annual \$ savings
- At least 25% of the project's annual \$ savings must be from a retrofit measure

Estimated combined electric, gas, oil, and propane total project cost is: \$987,971.86

Estimated electric portion of the total project cost is: \$807,517.46

Electric Incentive Summary

Eversource

City of Torrington

Project # CT22P01424069, CT22P01424115, CT22P01424794, CT22P01423702, CT22P01548613, CT22P01548472

Electric Measures Summary Table			
Measure Number	Single Measure Incentive	Total Comprehensive Incentive	Difference Between Incentives
	\$32,197.05		
	\$150.00		
	\$3,098.40		
	\$44,291.70		
	\$150.00		
	\$4,977.60		
	\$28,305.90		
	\$35,112.25		
Total	\$148,282.90	\$263,008.85	\$114,725.95

Difference from Single Measure incentive to Total Comprehensive incentive of \$114,725.95 to be paid at the complete install of all measures.

Summary of Total Project Electric Savings:

Estimated Annual Electric Savings: 404,629 kWh

Summer Demand Savings: 28.5 kW

Winter Demand Savings: 49.0 kW

Estimated Lifetime Electric Savings: 3,156,992 kWh

Gas Incentive Summary

Eversource

City of Torrington

Project # CT22P01424069, CT22P01424115, CT22P01424794, CT22P01423702, CT22P01548613, CT22P01548472

This project is eligible for a Total Comprehensive incentive if all measures in this Exhibit A as well the Electric, Oil, and Propane Exhibit As are installed as listed for Project # CT22P01424069, CT22P01424115, CT22P01424794, CT22P01423702, CT22P01548613, CT22P01548472. Each and every measure must be installed for the Total Comprehensive incentive to be paid.

If one or more measure(s) is not installed, only the incentives listed for the installed measure(s) will be paid. If the project's actual installed cost or the calculated energy savings differ from the values in this Exhibit A, the amount and level of the incentive will be recalculated.

This recalculation may reduce the incentive. The incentive level for this project is Total Comprehensive and the calculated incentive for this project, for all the gas measures included in this Exhibit A is: \$22,370.42

The Total Comprehensive incentive is based on the lesser of 65% of the Project Installed Cost or the Utility Savings Cap. The Total Comprehensive incentive is prorated between gas, electric, oil, and propane projects based on annual \$ savings. For this project, the total project incentive is based on the Utility Savings Cap.

The Single End Use incentive eligibility requirements are listed on each individual Exhibit A.

The Total Comprehensive incentive eligibility requirements are as follows:

- Project must have energy savings from at least three end uses, electric, gas, oil, and/or propane. An end use is defined as Gas, Electric, Oil, or Propane impacting Heating; Cooling; Lighting; Process; Domestic Water Heating; Refrigeration; Motors and Drives
- If lighting is one end use, must be at a minimum Enhanced Performance Lighting
- No one end use can have 90% or greater of the value of the project's annual \$ savings
- Each qualifying end use must contribute at least 3% of the value of the project's annual \$ savings
- At least 25% of the project's annual \$ savings must be from a retrofit measure

Estimated combined electric, gas, oil, and propane total project cost is: \$987,971.86

Estimated gas portion of the total project cost is: \$168,455.77

Gas Incentive Summary

Eversource

City of Torrington

Project # CT22P01424069, CT22P01424115, CT22P01424794, CT22P01423702, CT22P01548613, CT22P01548472

Gas Measures Summary Table			
Measure Number	Single Measure Incentive	Total Comprehensive Incentive	Difference Between Incentives
	\$369.20		
	\$5,750.00		
	\$184.80		
	\$4,017.85		
	\$904.00		
	\$964.00		
	\$1,016.00		
Total	\$13,205.85	\$22,370.42	\$9,164.57

Difference from Single Measure incentive to Total Comprehensive incentive of \$9,164.57 to be paid at the complete install of all measures.

Summary of Total Project Gas Savings:

Estimated Annual Gas Savings: 4,292 CCF

Winter Peak Demand Savings: 22.1 CCF

Estimated Lifetime Gas Savings: 62,102 CCF

Oil Incentive Summary

Eversource

City of Torrington

Project # CT22P01424069, CT22P01424115, CT22P01424794, CT22P01423702, CT22P01548613, CT22P01548472

This project is eligible for a Total Comprehensive incentive if all measures in this Exhibit A as well the Electric, Gas, and Propane Exhibit As are installed as listed for Project # CT22P01424069, CT22P01424115, CT22P01424794, CT22P01423702, CT22P01548613, CT22P01548472. Each and every measure must be installed for the Total Comprehensive incentive to be paid.

If one or more measure(s) is not installed, only the incentives listed for the installed measure(s) will be paid. If the project's actual installed cost or the calculated energy savings differ from the values in this Exhibit A, the amount and level of the incentive will be recalculated.

This recalculation may reduce the incentive. The incentive level for this project is Total Comprehensive and the calculated incentive for this project, for all the oil measures included in this Exhibit A is: \$15,380.21

The Total Comprehensive incentive is based on the lesser of 65% of the Project Installed Cost or the Utility Savings Cap. The Total Comprehensive incentive is prorated between gas, electric, oil, and propane projects based on annual \$ savings. For this project, the total project incentive is based on the Utility Savings Cap.

The Single End Use incentive eligibility requirements are listed on each individual Exhibit A.

The Total Comprehensive incentive eligibility requirements are as follows:

- Project must have energy savings from at least three end uses, electric, gas, oil, and/or propane. An end use is defined as Gas, Electric, Oil, or Propane impacting Heating; Cooling; Lighting; Process; Domestic Water Heating; Refrigeration; Motors and Drives
- If lighting is one end use, must be at a minimum Enhanced Performance Lighting
- No one end use can have 90% or greater of the value of the project's annual \$ savings
- Each qualifying end use must contribute at least 3% of the value of the project's annual \$ savings
- At least 25% of the project's annual \$ savings must be from a retrofit measure

Estimated combined electric, gas, oil, and propane total project cost is: \$987,971.86

Estimated oil portion of the total project cost is: \$11,998.63

Oil Incentive Summary

Eversource

City of Torrington

Project # CT22P01424069, CT22P01424115, CT22P01424794, CT22P01423702, CT22P01548613, CT22P01548472

Oil Measures Summary Table			
Measure Number	Single Measure Incentive	Total Comprehensive Incentive	Difference Between Incentives
	\$576.68		
	\$4,222.77		
Total	\$4,799.45	\$15,380.21	\$10,580.76

Difference from Single Measure incentive to Total Comprehensive incentive of \$10,580.76 to be paid at the complete install of all measures.

Summary of Total Project Oil Savings:

Estimated Annual Oil Savings: 2,711 Gal

Estimated Lifetime Oil Savings: 39,814 Gal

Distressed Municipal Incentive Summary

Eversource

City of Torrington

Project # CT22P01424069, CT22P01424115, CT22P01424794, CT22P01423702, CT22P01548613, CT22P01548472

In an effort to support our valued customers and workforce, we are introducing a new 'Distressed Municipal' incentive offer to stimulate additional demand in the market. These incentives are aimed at making customer decisions easier, while improving their operating costs quickly without having to concern themselves about long-term financial ambiguity. This project qualifies for an incentive that will be the lesser of the 3 line items below and adjusted based on the as-built conditions.

Incentive Summary	
Electric Savings Adder (\$0.10/kWh)	\$26,418.00
Project Cost Adder (10% Project Cost)	\$35,320.88
Maximum of \$50,000 per Project	\$50,000.00
Added Incentive (Lesser of the 3 Above)	
\$26,418	