TOWN OF RIDGEFIELD Office of the Town Engineer

RIDGEFIELD, CONNECTICUT

Energy Conservation & Building Maintenance

Solar Photovoltaic System Installation, Branchville School 40 Florida Road, Ridgefield, CT 06877

October, 2017

Request For Proposals:

PROJECT DESCRIPTION PROPOSAL REQUIREMENTS



RUDY MARCONI FIRST SELECTMAN

CHARLES R. FISHER, P.E.,L.S. TOWN ENGINEER

Bid Number 2018-15

LEGAL NOTICE

INVITATION to BID

The **Town of Ridgefield** invites all interested parties to submit sealed bids on the following:

BID DUE DATE: November 17, 2017

BID DUE TIME: 11:00 AM

BID ITEM: Energy Conservation & Building

Maintenance, Solar Photovoltaic System Installation, Branchville School, 40 Florida

Road

BID NUMBER: 2018-15

Terms and conditions as well as the description of items being bid are stated in the specifications. **Specifications may be obtained at the following address:**

Town of Ridgefield Kenneth Sandberg 400 Main Street Ridgefield, CT. 06877 203 - 431 – 2720

The return bid envelope must be marked and addressed to the following:

TOWN OF RIDGEFIELD DIRECTOR OF PURCHASING BID NUMBER: 2018-15 400 MAIN STREET RIDGEFIELD. CT. 06877

Bids must be received no later than the date and time stated above at the Purchasing Director's office on the second floor. For further information, please call Kenneth Sandberg at (203) 431-2720 or E-Mail at purchasing@ridgefieldct.org

Bid Documents available at www.ridgefieldct.org in the Purchasing section under Departments

Results may be viewed at www.ridgefieldct.org in the Purchasing Section under Departments after the bid opening.



The information depicted on this map is for planning purposes only. It is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analyses.

Solar Photovoltaic System Installation, Branchville School, Location Plan





Town of Ridgefield

Office of the Town Engineer

Energy Conservation & Building Maintenance

Request for Proposal

Solar Photovoltaic System Installation

Branchville School

October, 2017

Project Description

The Town of Ridgefield is requesting proposals from pre-qualified contractors of the CT Greenbank for the installation of a 100-kW solar photovoltaic system on select roof areas of the Branchville School. The goal of the proposal is to install a system that reduces the electrical costs incurred by the school utilizing as a funding source the CT Greenbank through a twenty (20) year power purchase agreement. In general, the successful contractor shall submit a proposal that provides a "turnkey" solar photovoltaic system which includes all labor, materials, tools, and equipment necessary to engineer, install, construct and maintain for a period of twenty years all equipment necessary to fulfill the requirements of the CT Greenbank including but not limited to and subject to the following:

Technical Requirements:

- 1. The project location is Branchville School, 40 Florida Road, Ridgefield, CT 06877
- 2. Service agreement #S4-0412 and electrical utility billings are attached.
- 3. The site location plan showing the proposed solar photovoltaic system layout, excerpted roof condition report, and roof condition photographs are attached.
- 4. The size of the installed solar photovoltaic system shall not exceed 100 kw AC as required under the service agreement
- 5. The project shall be funded through the CT Greenbank as a twenty-year power purchase agreement and shall include a twenty (20) year maintenance agreement through Assurant, Inc. paid for by the Contractor.

REQUEST FOR PROPOSALS

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- 6. The Contractor shall provide an analysis of the existing roofing system of the school shall be completed by a Connecticut licensed structural engineer to determine the suitability of the existing roofing system to safely support under all anticipated dead and live loads. The stamped analysis shall be submitted to the Town of Ridgefield for review prior to the actual installation of the solar photovoltaic system. Existing drawings of the school are available for review at the Office of the Building Official, 66 Prospect Street, Ridgefield, CT during normal business hours.
- 7. The Contractor shall provide a structural engineering analysis and supporting documentation submitted by a Connecticut licensed structural engineer certifying that the installed solar photovoltaic system can support any local applicable seismic, wind and snow load activity.
- 8. The contractor shall make a determination of the existence of any hazardous materials within the project area and shall certify that no hazardous materials are utilized within his equipment or his installation procedures.
- 9. At a minimum, the system shall consist of the supply and installation of a solar photovoltaic generation system, mounting structure, terminal and combiner boxes, quick-connect electrical connectors, conduit, DC wiring, DC disconnect, grid-connected inverter, AC disconnect, AC wiring, all metering equipment, a system monitoring and data retrieval system, and everything necessary to interconnect with the electrical distribution system and provide a fully functioning solar photovoltaic system meeting the intent of this proposal.
- 10. All generating equipment shall be certified by Underwriter Laboratories (UL). The system shall be comprised of UL listed components.
- 11. The design, construction, and finalized installation shall be completed in accordance with the latest applicable version of the National Electrical Code (NEC), Uniform Building Code (UBC), , International Building Code (IBC), American Society of Civil Engineers (ASCE), American Society of Mechanical Engineers (ASME), American Society for Testing and Materials (ASTM), American National Standards Institute (ANSI), Underwriters Laboratory (UL), Institute of Electrical and Electronics Engineers (IEEE), American Concrete Institute (ACI), Connecticut Occupational Safety and Health (Conn-OSHA), all Federal, State, and Local construction and interconnections codes, the specific requirements of the CT Green Bank, and the connected utility.
- 12. All electrical/electronic equipment shall have surge and lightning protection. All electrical/electronic equipment and metal surfaces shall be properly grounded as required by the NEC code as required by the equipment manufacturer for protection of personnel and equipment due to fault.
- 13. The material supplier shall thoroughly inspect the installation to ensure compliance with all applicable safety regulations and proper equipment operation.
- 14. The Contractor shall conform to all OSHA safety requirements with respect to the REQUEST FOR PROPOSALS RFP-2

system's installation, site, and worker safety.

- 15. The Contractor shall protect the public during all phases of the project.
- 16. Photovoltaic mounts for systems on roofs must not require penetrating the roof. The structural design of the solar photovoltaic system shall provide for easy and cost-effective repair or replacement of the roof.
- 17. The Contractor shall ensure that the integrity of the roofing systems will remain intact. Any damages caused by the installation or use of the solar photovoltaic generation system to any of the roofing materials of any project building, shall be repaired or replaced at no cost to the Town by the Contractor.
- 18. Any necessary upgrades or modifications to the existing main electrical panels or new panels as required for the proper operation of the solar photovoltaic system shall be included.
- 19. The Contractor shall train the Board of Education's Facilities Maintenance staff and Town of Ridgefield's Emergency Personnel on emergency shut-off procedures.
- 20. The Contractor shall provide the Town of Ridgefield with final as-built documents upon completion of the project.
- 21. The Contractor shall abide by any and all applicable environmental laws and regulations.
- 22. The Contractor shall provide sanitary facilities for his workers. The Contractor's employees are prohibited from entering the school buildings except under emergency circumstances.
- 23. The work area shall be thoroughly cleaned by the Contractor on a daily basis and upon completion of the project.
- 24. The Contractor shall submit to the Board of Education a list of all employees expected to work on the site.
- 25. All work shall be coordinated with the Town of Ridgefield Board of Education
- 26. All equipment utilized shall have been approved by CT Green Bank prior to RFP submission.
- 27. The Contractor is responsible to familiarize himself with all aspects of the existing conditions prior to submitting a bid. A mandatory pre-bid meeting and site visit will be held on November 7, 2017 at 10:00 AM at Branchville School. As this is a secure REQUEST FOR PROPOSALS

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facility, no other requests for site visits will be entertained. Questions regarding the facility exterior shall be directed to Brian Hubbard, Building Maintainer, at 203-994-0347 during normal business hours. Questions regarding bid procedures shall be directed to Kenneth Sandberg, Purchasing Director, at 203-431-2720 during normal business hours. While school is in session, all prospective bidders must present proper identification. Failure to do so will result in a security violation and be subject to arrest.

Proposals:

28. The Contractor shall submit as part of this request for proposals a signed letter of intent that outlines his proposed scope of work, the estimated annual electricity generation and system size both in AC and DC, location and layout of his proposed system, and any other facts that he feels are relevant to his proposal.

The Contractor shall also submit with his proposal the following information:

- a. The completed "20 Year Flat PPA Cost to The Town of Ridgefield" sheet
- b. Cut sheets of all major components of the solar photovoltaic generation system and applicable manufacturer's literature
- c. Insurance certificates
- d. Hold Harmless Agreement
- e. Contractor's Qualification Statement
- f. Contractor's List of Subcontractors
- g. Project Schedule
- 29. Proposal Submission: Interested Contractors shall submit five (5) copies of their proposals contained within a sealed envelope to Kenneth Sandberg, Purchasing Director, Town of Ridgefield, 400 Main Street, Ridgefield CT, 06877 before 11:00 AM, November 17, 2017. Proposals will not be accepted after that date and time.
- 30. Proposal Review: Proposals will be reviewed and evaluated by the Town of Ridgefield based on all information submitted. It is estimated that the review process will take two weeks to complete. The Town reserves the right to reject any and all proposals and to negotiate the terms and conditions of any proposal with any particular contractor. The Town also reserves the right to interview any or all potential contractors with respect to their proposals and to waive any error, or informality or technical defect in the proposal.
- 31. The Town of Ridgefield, in evaluating each proposal, may consider but not be limited to the following factors:
 - a. Twenty-year flat PPA cost to the Town of Ridgefield.
 - b. Contractor's letter of intent and all documents submitted as part of his proposal.
 - c. Contractor's project schedule.
 - d. Contractor's references and subcontractors.
 - e. Contractor's prior work and experience with the Town of Ridgefield.
 - f. Similar projects completed in the past.

g. Any other information deemed relevant including equipment proposed to be utilized.

Miscellaneous:

- 32. The Board of Selectmen of the Town of Ridgefield reserves the right to accept or reject any or all options, bids or proposals; to waive any technicality in any proposal or part thereof, and to accept any proposal deemed to be in the best interest of the Town of Ridgefield. The Board of Selectmen may reject any proposal not deemed to be in its best interest of the Town of Ridgefield.
- 33. The Town of Ridgefield is not liable for any cost incurred for the preparation of proposals or submission of samples by the firms submitting proposals for the work requested in this bid document or request for proposals.
- 34. It is the Contractor's responsibility to determine the exact amount of effort required to meet the project's intent and reflect that effort in his submitted bid.
- 35. By submitting a bid, the Contractor acknowledges that he has visited the site and is aware of the conditions involved in meeting the project's intent.
- 36. The Town reserves the right to eliminate any item, quantity, or portion of the work that it deems to be in the best interest of the Town.
- 37. Any inconsistencies shall be reported to the Town Engineer. The Town Engineer shall make the final decision on any inconsistencies and their intent.

Supplemental Information for Bidders and General Contract Provisions

1. <u>PREPARATION OF PROPOSALS</u>

Proposals must be made upon forms contained herein or as directed elsewhere. The blank spaces in the Proposal must be filled in correctly where indicated. The Bidder must state the prices for which he proposes to do each item of the work contemplated. In case of discrepancy where both words and the numerals are requested, the words shall govern. Ditto marks are not considered writing or printing and shall not be used. The Bidder shall sign his Proposal correctly. If the Proposal is made by an individual, his name, post office addresses and telephone number must be shown. If made by a firm, partnership, or corporation, the Proposal must be signed by an official of the firm, partnership, or corporation authorized to sign contracts, and must show the post office address and telephone number of the firm, partnership, or corporation. Failure to do so may disqualify the bid.

Each bid must be submitted in a sealed envelope bearing on the outside the name of the Bidder, post office address, bid number, and name of the project for which the bid is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed to: The Purchasing Agent, Town Hall, and 400 Main Street, Ridgefield, CT 06877.

All information shall be entered in ink or by typewriter. Mistakes may be crossed out and corrections inserted before submission of your bid. The person signing the bid shall initial corrections in ink.

Corrections and/or modifications received after the closing time specified will not be accepted.

2. SUBMISSION OF PROPOSALS

Descriptive literature containing complete specifications must accompany each bid. If a bidder wishes to furnish additional information, more sheets may be added.

3. INCURRING COSTS

The Town of Ridgefield is not liable for any cost incurred for the preparation of proposals or submission of samples by the firms submitting proposals for the work requested in this bid document or request for proposals.

4. FAMILIARITY WITH THE WORK

Each bidder is considered to have examined the work to fully acquaint him with the exact existing conditions relating to the work and has fully informed himself as to the work involved and the difficulties and restrictions attending the performance of this bid. The submission of a bid will be considered as conclusive evidence that the bidder has made such examination.

5. CONSIDERATION OF PRIOR SERVICE

Previous performance, quality of service and merchandise will be considered.

6. ADDENDA AND INTERPRETATIONS & ALTERNATE PROPOSALS

At the time of the opening of bids each bidder will be presumed to have inspected the work and to have read and to be thoroughly familiar with all of the Contract Documents (including all addenda). The failure or omission of any bidder to receive or examine any form, instruction or document shall in no way relieve any bidder from any obligation in respect to his bid.

If any person contemplating submitting a proposal is in doubt as to the true meaning of any part of these specifications, he may submit a written request for an interpretation to the Purchasing Agent. No interpretations as to the meaning of the plans, specifications or other Contract Documents will be made to any bidder orally. Every request for such interpretation should be in writing addressed to the Town of Ridgefield, Purchasing Agent, 400 Main Street, Ridgefield, Connecticut 06877, and to be given consideration, must be received at least five (5) days prior to the date fixed for the opening of Bids. Any and all such interpretations and any supplementary instructions will be in the form of written Addenda to the Specifications which, if issued, will be mailed by Registered Mail with Return Receipt Requested to all prospective bidders at the respective addresses furnished for such purposes, not later than three (3) days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such Addendum or interpretations shall not relieve any bidder from any obligations under his bid as submitted. All Addenda so issued shall become part of the Contract Documents. Oral explanations will not be binding on the Town.

The specifications listed are to be interpreted as meaning the minimum acceptable by the Town of Ridgefield. Bidders are requested to submit quotations on the basis of these specifications. Alternative bids providing a broader scope and/or services than requested in these specifications may receive consideration providing such equipment and/or service is clearly explained. Any exceptions to the specifications requested herein must be clearly noted in writing and are to be included as a part of your bid proposal. If none are included it will be assumed that there are none.

Definition of the word "complete" means that each unit of the equipment proposed shall include all appurtenances, fasteners, parts, accessories, and services ordinarily catalogued.

An item equal to that named or described in the specifications may be furnished by the Bidder, except where expressly noted as "no substitutions." The naming of any commercial name, trademark, or other identification shall not be construed to exclude any item of any manufacturer not mentioned by name, nor limit competition, but shall establish a standard of equality only. An item shall be considered equal to the item so

named or described if:

- a. It is at least equal in quality, durability, appearance, strength and design.
- b. It will perform at least equally the function imposed by the design for the work being contracted for or the material being purchased.
- c. It conforms substantially, even with deviations, to the detailed requirements for the item in the specifications.

The Bidder shall hold the Town of Ridgefield, its officers, agents, servants, and employees, harmless from liability of any nature or kind because of use of any copyrighted or uncopyrighted compositions, secret process, patented or unpatented inventions, articles or appliances furnished or used under this bid, and agrees to defend, at his own expense, any and all actions brought against the Town of Ridgefield or himself because of the unauthorized use of such articles.

7. QUOTATION LIMITATION

Bidders shall offer only **ONE ITEM AND PRICE** for each line item bid. If an or-equal item is to be bid, the bidder is to select the brand and model that meets or exceeds the specified item, and submit his bid for that item.

8. ESTIMATE OF WORK

For bidding purposes, the work has been subdivided into unit price items. The quantities shown are to be considered as approximate only. The Purchasing Agent does not expressly or by implication agree that the actual quantity will correspond therewith, but reserves the right to increase or decrease the amount of any item or portion of the work as deemed necessary.

9. SAMPLES

Samples of articles, when required shall be furnished free of cost of any sort to the Town of Ridgefield. Samples received may be retained by the Town for future comparison. Samples which are not destroyed by testing, or which are not retained for future comparison will be returned upon request at the bidder's expense.

10. WITHDRAWAL OF BID

Bidders may withdraw their proposals at any time prior to the bid date. No agent/broker shall withdraw or cancel their proposal for a period of sixty (60) days after the bid closing date. The successful agent/broker shall not withdraw, cancel or modify their proposal.

11. POWER OF ATTORNEY

Attorneys-in-fact who sign contract bonds must file, with each bond, a certified and effectively dated copy of their power of attorney.

12. <u>SUBCONTRACTORS</u>

Each bidder contemplating the use of any subcontractor shall submit a list of subcontractors as listed on the Bid Form. The apparent low bidder shall file with the Town of Ridgefield, within five (5) days after the date of bid opening, a complete list of the names and addresses of competent, responsible and qualified subcontractors who are actually to perform major portions of the work. This in no way restricts or limits the requirement that all subcontractors must be approved by the Town. Subcontractors listed on the Bid Form or those previously approved may not be changed without the approval of the Town of Ridgefield. Local subcontractors, material suppliers, and labor in the Town of Ridgefield should be considered and sought insofar, as is practical in the performance of this project.

13. QUALIFICATION OF BIDDER

In determining the qualifications of a bidder, the Town may consider his record in the performance of any contracts for similar work into which he may have previously entered; and the Town expressly reserves the right to reject the bid of such bidder if such record discloses that such bidder, in the opinion of the Town, has not properly performed such contracts or has habitually, and without just cause, neglected the payment of bills or has otherwise disregarded his obligations to subcontractors, suppliers, state or local codes, men or employees of subcontractors. The Town may make such investigation as he deems necessary to determine the ability of the bidder to perform the work and the bidder shall furnish to the Town all such information and data for this purpose as the Town may request. The Town reserves the right to reject any bid if the evidence submitted by or the investigation of such bidder fails to satisfy the Town that such bidder is properly qualified, or that such bidder misrepresented material facts in the bid documents.

14. DISQUALIFICATION OF BIDDERS

More than one proposal from an individual, firm, partnership, corporation, or an association under the same or different names will not be considered. Reasonable grounds for believing that any Bidder is interested in more than one proposal for the work contemplated will cause the rejection of all proposals in which such Bidder is interested. Any or all proposals in which such Bidder is interested will be rejected if there is reason for believing that collusion exists among the Bidders and all participants in such collusion will not be considered in future proposals for the same work. Proposals in which the prices are obviously unbalanced may be rejected. No Contract will be awarded except to competent Bidders capable of performing the class of work contemplated.

15. <u>DELIVERY</u>

Inasmuch as this work concerns a needed public improvement, the provisions of this bid relating to the time of delivery, performance and completion of the work are of the essence of this bid. Accordingly, the successful bidder shall commence work **upon receipt of the signed Purchase Order** unless the Town shall authorize or direct a further

delay. Time of delivery shall be stated as the number of calendar days following receipt of the Purchase Order by the Bidder to receipt of the goods or services by the Town of Ridgefield. Prices quoted must include delivery to the Town of Ridgefield as specified on the Purchase Order. No charges will be allowed for parking, crating, freight, express or cartage unless specifically stated and included in this bid.

Time of delivery may be considered in the award.

16. PAYMENT

The Town, after inspection and acceptance of workmanship, and in consideration of the faithful performance by the Bidder of all and singular his covenants, promises, and agreements contained herein, agrees to pay the Bidder for the full completion by him of the work embraced in this Contract, within (30) Thirty Days of the receipt of the final invoice. When subcontractors or suppliers are utilized, the successful Bidder for this project shall be required to submit a Mechanics Lien Waiver, acceptable to the Town, with each progress payment and/or at time of final payment prior to any payment being made.

Time, in connection with any discount offered, will be computed from the date of delivery to the Town or from the date a correct invoice is received by the Town's Finance Department, if the latter date is later than the date of delivery. Prices will be considered as **NET**, if no cash or payment discount is shown.

The successful bidder shall submit invoices to the following address:

Town of Ridgefield Office of the Town Engineer 66 Prospect Street Ridgefield, CT 06877

IT IS UNDERSTOOD AND AGREED THAT SHOULD A BID BE ACCEPTED, IT WILL AUTOMATICALLY BECOME THE CONTRACT OR AN ADDENDUM TO ANY CONTRACT AGREED UPON.

Notification of the bid award will be made by issuance of a purchase order. Bidders are to list their bids on the appropriate attached sheets. Bidders may attach a letter of explanation. A clear notification should be made on the standard bid sheets at the appropriate point of explanation that there is a letter of explanation attached. All bids must be NET prices.

The successful bidder shall submit an itemized invoice to the Town of Ridgefield for the work as described herein.

The bidder shall be required to submit a Mechanics Lien Waiver, acceptable to the Town of Ridgefield, with each progress payment and at time of final payment prior to any

payment being made.

At the time of award the successful bidder shall be required to supply the Town of Ridgefield a Certificate of Good Standing, certifying that the corporation is in fact a valid corporation and presently licensed to conduct business in the State of Connecticut.

17. SALES TAX

Certain materials and supplies incorporated in the work of this project are exempt from Connecticut Sales Tax. The Bidder shall familiarize himself with current regulations of the State Tax Department. The tax on materials or supplies exempted by such regulations shall not be included as part of the bid. The Town will furnish the successful Bidder sales tax exemption authorization.

18. CARE AND PROTECTION OF PROPERTY

The Bidder shall take particular care to avoid damages to all private and public property and to private or public improvements within the Town's right of way. He shall make good any damages to the satisfaction of the Town. There shall be no additional compensation for the repair or restoration of private or public property improvements.

19. COMPLIANCE WITH FEDERAL, STATE AND LOCAL CODES

The Bidder shall be responsible for full compliance with any Federal, State and/or Local codes, laws, regulations and standards, as applicable.

20. <u>AWARD</u>

The Town of Ridgefield reserves the right to accept or reject any bid to best serve its interests, or to hold the bids for sixty (60) days before decision.

The Town reserves the right to reject any and all bids (or any part thereof), to waive defects in proposals, or to accept any proposal deemed to be in its best interest.

Exceptions will be considered to the specification provided, providing they are listed and fully explained on a separate page entitled "EXCEPTIONS TO SPECIFICATIONS"

Each exception will be considered as to its degree of impact and total effect on the bid. The purchaser shall determine which (if any taken) exceptions are acceptable, and this determination shall be final.

The Town of Ridgefield reserves the right:

- a. To award bids received on the basis of individual items, or groups of items, or on the entire list of items.
- b. To reject any or all bids, or any part thereof.

- c. To waive any informality in the bids.
- d. To accept the bid that is in the best interest of the Town of Ridgefield. The Purchasing Agent's decision shall be final.

21. INSURANCE

Insurance requirements are detailed under the attached "Insurance Requirements."

22. GUARANTEE

The bidder shall unconditionally guarantee for a period of one (1) year, except as specifically noted within these documents, from the date of acceptance, all materials, supplies, equipment, and services; including but not limited to its workmanship, delivery and installation. If within the guarantee period there are any defects or signs of deterioration the bidder shall repair, adjust or replace the item(s) to the complete satisfaction of the Town. These repairs, adjustments, or replacements are at the sole expense of the bidder and shall be made at such times that are agreeable to the Purchasing Agent so that it is least detrimental to instructional programs.

23. PERMITS

When required all licenses and permits for complying with any applicable Federal, State, and Municipal laws, codes, regulations in connection with the prosecution of the work shall be obtained by the Bidder, at no additional cost to the Town.

24. NONDISCRIMINATION IN EMPLOYMENT

The successful bidder shall agree and warrant that, in the performance of this contract, he will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, sex, religion, or national origin in any manner prohibited by State, Federal, County, or Municipal law. A certification of Non-segregated Facilities and a Certification Regarding Equal Employment Opportunity shall be considered a part of this contract.

25. MECHANICS LIEN WAIVERS

The successful Bidder shall be required to submit a Mechanics Lien Waiver, acceptable to the Town of Ridgefield, with each progress payment, and/or at time of final payment, prior to any payment made.

Purchasing Department, Town of Ridgefield,400 Main Street,Ridgefield,CT. 06877

203-431-2720 & purchasing@ridgefieldct.org

APPENDIX - INSURANCE REQUIREMENTS

Each bidder shall carry and maintain the following insurance coverage during the period of the contract: The Certificate of Insurance for the Limits of Liability stated below should be submitted with your bid to the Purchasing Department at Town Hall. Bidders may not perform any work until <u>all</u> insurance requirements are met.

- 1. Comprehensive General Liability Insurance as will protect him, the Town, and any subcontractor performing work covered by this Contract, from claims for damages for personal injury, including accidental or wrongful death, as well as claims for property damages, which may arise from operations under this Contract whether such operations be by himself or by any subcontractor or by anyone directly or indirectly employed by either of them. Liability insurance shall include premises and operations, products, contractual, owners, and contractors protective. The minimum amounts of such insurance shall be as follows:
 - Bodily Injury Liability and Property Damage Liability: \$1,000,000 each occurrence.
 - The Town shall be named as an <u>Additional Insured</u>
 This MUST be stated explicitly on the Certificate or you will be disqualified
- Worker's Compensation Insurance and Employer's Liability for all of his employees, employed at the site and in case any work is sublet, the Contractor shall require the subcontractor similarly to provide Workmen's Compensation Insurance for all employees of the later unless such employees are covered by the protection afforded by the Contractor.
 - Worker's Compensation and Employer Liability: Statutory Limits
- 3. Comprehensive Auto Liability Insurance:
 - Bodily Injury Insurance and Property Damage Insurance covering the operation of all Motor Vehicles owned, hired and/or non-owned by the Contractor, or used by the Contractor in the Prosecution of the work under the Contract, shall be in the minimum of \$1,000,000 each occurrence.

All policies relating to this Contract shall be so written so that the Town shall be notified of cancellation or change at least thirty (30) days prior to the effective date for each policy and type of coverage except for nonpayment which shall be ten (10) days prior to the cancellation. Renewal certificate covering the renewal of all policies expiring during the life of the Contract shall be filed with the Town not less than ten (10) days before the expiration of such policies. Failure to due so will result in work stoppage and possible contract cancellation.

HOLD HARMLESS AGREEMENT

The undersigned covenants and agrees to and shall at all times indemnify, protect and save harmless the Town of Ridgefield from and against all costs or expenses resulting from any and all losses, damages, detriments, claims, demands, cost and charges including attorneys fees the Town of Ridgefield may directly or indirectly suffer, sustain or be subjected to by reason or on account of the work to be performed pursuant to this Contract or any activities in connection with said Contract whether such losses and damages be suffered or sustained by the Town of Ridgefield directly or by its employees, licenses or invitees or be suffered or sustained by other persons or corporations who may seek to hold the Town of Ridgefield liable therefore.

The Contractor shall comply with the Provisions of the Immigration Reform and Control Act of 1986 effective and enforceable as of June 6, 1987 which Act makes unlawful the hiring for employment or subcontracting individuals failing to provide documentation of legal eligibility to work in the United States. The Contractor shall hold the Town of Ridgefield harmless for the failure of the Contractor to comply with the provisions of said Act.

IN WITNESS WHERE	EOF, the parties here	eto have set their hand and seal this o	n
the	day of		
Signed, Seated and I Presence of:	Delivered in the	Signed:	
Notary Public			

CONTRACTOR'S QUALIFICATION STATEMENT

List below references for similar projects, including all information requested. This page must be completed and submitted with the bid.

1. Client:		
Project Address:		
Approximate Value:	Date: Started	Completed
Contact: Name		Telephone
2. Client:		
Project Address:		
Approximate Value:	Date: Started	Completed
Contact: Name		Telephone
3. Client:		
Project Address:		
Approximate Value:	Date: Started	Completed
Contact: Name		Telephone
4. Client:		
Project Address:		
Approximate Value:	Date: Started	Completed
Contact: Name		Telephone
Company:	Bid Title:	
Street:	Bid No.:	
City, State:	Telephone No.:	

CONTRACTOR'S LIST OF SUBCONTRACTORS

List below the subcontractors intended to be utilized for this project. This page must be completed and submitted with the bid.

1. Firm:	
Firm's Address:	
Contact: Name	Telephone
Type of Work to be Performed:	
2. Firm:	
Firm's Address:	
Contact: Name	Telephone
Type of Work to be Performed:	
3. Firm:	
Firm's Address:	
Contact: Name	Telephone
Type of Work to be Performed:	
4. Firm:	
Firm's Address:	
Contact: Name	Telephone
Type of Work to be Performed:	
Company:	Bid Title:
Street:	Bid No.:
City, State:	Telephone No.:

Twenty Year Flat PPA Cost To The Town of Ridgefield

Contract Year	Energy Price (\$/kwh)
1	
2	
3	
4	
5	
6	
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11	
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20	

Contractor Name:

Contractor Address:

Date Submitted:

SMALL CLASS I ZERO EMISSION PROJECT TARIFF Attachment 1: SERVICE AGREEMENT

This Service Agreement (Number S4-0412) is entered into as of the following date: September 29, 2016 (the "Effective Date"). This Service Agreement incorporates by reference for all purposes the Small Class I Zero Emission Project Tariff and all attachments and appendices thereto, including Attachment 2, Terms and Conditions (collectively, the "Agreement"). The Parties to this Service Agreement are the following:

SELLER		BUYER
Town of Ridgefield	Party Name	The Connecticut Light and Power Company dba Eversource Energy ("Eversource Energy")
400 Main Street Ridgefield, CT 06877	Address	107 Selden Street Berlin, CT 06037
	Business Website	www.eversource.com
☐ US Federal <u>06-6002075</u>	Tax ID Numbers	☑ US Federal <u>06-0303850</u>
Connecticut	Jurisdiction of Organization	Connecticut
☐ Corporation ☐ Limited Partnership ☐ LLP ☐ LLC ☐ Partnership ☐ Individual ☑ Other: Town School	Сотрапу Туре	□ Corporation □ Limited Partnership □ LLP □ LLC □ Partnership □ Other

CONTACT INFORMATION			
SELLER		BUYER	
Address: 52 Catoonah Street Ridgefield, CT 06877 Attn: Dwayne Escola Tel# 203-733-4164 Fax# Email: dwayne@nesmartenergy.com	General (day to day/ administrative)	Address: 107 Selden St., Berlin, CT 06037 Attn: Manager - Renewable Power Contracts Tel# 860-665-5296 Fax# 860-665-4583 Email: Irec.zrec@eversource.com	
Address: 400 Main Street Ridgefield, CT 06877 Attn: Rudy Marconi, 1st Selectman Tel# 203-431-2774 Fax# Email: selectman@ridgefieldct.org	Contract	Address: 107 Selden St., Berlin, CT 06037 Attn: Manager - Renewable Power Contracts Tel# 860-665-5296 Fax# 860-665-4583 Email: Irec.zrec@eversource.com	
Address: 400 Main Street Ridgefield, CT 06877 Attn: Rudy Marconi, 1st Selectman	Legal Notices	Address: Legal Department, 107 Selden St. Berlin, CT 06037 Attn: Associate General Counsel – CT State Regulatory	
Address: 52 Catoonah Street Ridgefield, CT 06877 Attn: Dwayne Escola Tel# 203-733-4164 Fax# Email: dwayne@nesmartenergy.com	Performance Assurance	Address: 107 Selden St., Berlin, CT 06037 Attn: Manager - Renewable Power Contracts Tel# 860-665-5296 Fax# 860-665-4583 Email: lrec.zrec@eversource.com	

ACCOUNTING INFORMATION		
Address: 400 Main Street Ridgefield, CT 06877 Attn: Rudy Marconi, 1st Selectman Tel# 203-431-2774 Fax# Email: selectman@ridgefieldct.org	· Invoices · Payments · Settlements	Address: 107 Selden St., Berlin, CT 06037 Attn: Manager - Renewable Power Contracts Tel# 860-665-5296 Fax# 860-665-4583 Email: Irec.zrec@eversource.com
Bank: Bank Address: ABA# Acct# Checking Other Details:	Wire Transfer Numbers (If Applicable)	Bank: Bank of America, NA Bank Address: 100 N. Tryon Street Charlotte, NC 28202 ABA# 026009593 Acct# 0000129048 Checking Savings Other Details:
Attn: Rudy Marconi Address: 400 Main Street Ridgefield, CT 06877	Checks (If Applicable)	Attn: Manager – Renewable Power Contracts Address: 107 Selden St., Berlin, CT 06037
Bank: Bank Address: ABA# Acct# Checking Other Details:	ACH Numbers (If Applicable)	Bank: Bank of America, NA Bank Address: 2523 Albany Ave West Hartford, CT 06117 ABA# 011900254 Acct# 0000129048 ☐ Checking ☐ Savings Other Details:

The Parties hereby agree to the following provisions offered in Attachment 2, Terms and Conditions. Select the appropriate box(es) and/or fill in the required information from each section:

Service Agreement Elections			
Section 3.1 Facility Description	Facility Site/Location (including Street, City or Town)	40 Florida Road Ridgefield, Connecticut 06877	
	Customer Billing Account Number	51128433018	
	Technology	☐ Wind ☐ Solar-Fixed Tilt ☐ Solar-Single Axis ☐ Other:Fixed Tilt ☐ Other:Fixed Tilt	
	Installed Capacity - Must be less than or equal to 100 kW (AC)	100 kW (AC)	
Section 6.2 Interconnecting Utility	Eversource Energy		
Section 7.1 Maximum Annual Quantity	156 Maximum Annual Quantity ZRECs		
Section 7.4 Purchase Price	\$ 82.58 per ZREC		
Section 9.1 Performance Assurance (amount)	\$ 644.12		

Section 2.2
Delivery Term Start Date

Under Start Date
Delivery Term Start Date

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the Effective Date.

Town of Ridgefield	Party Name	The Connecticut Light and Power Company dba Eversource Energy by Eversource Energy Service Company, its authorized agent
Rulyllfarson	Signature	
RUDY MERCONIL	Printed Name	James R. Shuckerow
FIRST SELECTMAN	Title	Director – Electric Supply

EVERS\$URCE

Due Date Total Amount Due Sep 13, 2016 \$1,028.00 TOWN OF RIDGEFIELD PUBLIC SCHO
Statement date: Jul 15, 2016

Customer name key: RIDG

Account number: 51128433018

Contact Information

Emergency: 1-800-286-2000 (anytime) Web Site: www.eversource.com Email: BusinessCenterCT@eversource.com Pay by Phone 1-888-783-6618

Business customers:

Customer Service: 1-888-783-6617 (M-F 8-5) Your electric supplier is

CONSTELLATION NEWENERGY, INC. 14217 COLLECTION CENTER DR CHICAGO IL 60693-0142 1-888-635-0827

Compare your electricity usage Average usage in Jul 2015 (71 F) 457 kWh Average usage in Jul 2016 (71 F) 380 kWh **Energy Profile** 840 Avg kWh/day 720 GOB 480 360 S 0 N D J F M A M 2015 Estimate Actual

Electric Account Summary

Amount due on Jun 17 Payment Jul 14	\$2,281.08 -\$2,281.08
Balance Forward	\$0.00
New Charges/Credits	
Electricity Supply Services	\$0.00
Delivery Services	\$1,028.00
Total new charges	\$1,028.00
Total amount due	\$1,028.00

Payment due upon receipt unless other arrangements have been made.

Detail for Service at:

40 FLORIDA RD, RIDGEFIELD CT 06877-6111

Service reference: 291622009 Billing cycle: 10

Your meter reading for meter # 891856552

For billing period: Jun 15 - Jul 15 (30 days) Next read date on or about: Aug 16, 2016

 Actual reading on Jul 15, 2016
 6169

 Actual reading on Jun 15, 2016
 - 6074

 Difference
 = 95

Meter constant

Billed usage

Mat'l Recd.

= 11,400

x 120

Total demand use: 32.90 kW APPROVED FOR PAYMENT

__Order Complete

Partial Shipment

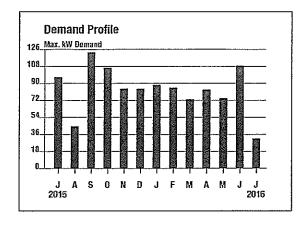
16-17-514.00 VBH

Date

Remit Payment To: Eversource, P.O.Box 650032, Dallas,TX 75265-0032

(continued on next page)

\$1,028.00



Delivery Services Detail	DISTRIBUTION RATE: 040	
Transmission Chrg	5700.00KWH x \$0.023590	\$134.46
Transmission Chrg	5700.00KWH x \$0.026700	\$152.19
Distr Cust Srvc Chrg		\$54.50
Distr Chrg per KWH	11400.00KWH x \$0.041760	\$476.06
Revenue Adj Mechanism	11400.00KWH x \$0.000790	\$9.01
CTA Chrg per KWH	11400.00KWH x \$0.001160	\$13.22
FMCC Delivery Chrg	5700.00KWH x \$0.008050	\$45.89
FMCC Delivery Chrg	5700.00KWH x \$0.008570	\$48.85
Comb Public Benefit Chrg*	11400.00KWH x \$0.007810	\$89.03
Distribution Adj Chrg***	11400.00KWH x \$0.000420	\$4.79

Service Account Messages

Subtotal

Because the billing period spans a change in the rates, your usage has been calculated partly on the old rate and partly on the new rate. $\frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{2} \left(\frac{1}{2} \int_{-\infty}^$

Remit Payment To: Eversource, P.O.Box 650032, Dallas,TX 75265-0032

(continued on next page)

0009009

Due Date To Oct 15, 2016

Total Amount Due \$2,296.47 TOWN OF RIDGEFIELD PUBLIC SCHO

Statement date: Aug 16, 2016 Customer name key: RIDG

Account number: 51128433018

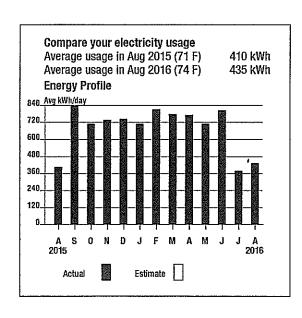
Contact Information

Emergency: 1-800-286-2000 (anytime) Web Site: www.eversource.com Email: BusinessCenterCT@eversource.com Pay by Phone 1-888-783-6618

Business customers:

Customer Service: 1-888-783-6617 (M-F 8-5) Your electric supplier is

CONSTELLATION NEWENERGY, INC. 14217 COLLECTION CENTER DR CHICAGO IL 60693-0142 1-888-635-0827



Electric Account Summary

Amount due on Jul 15	\$1,028.00
Balance Forward *	\$1,028.00
New Charges/Credits	
Electricity Supply Services	\$0.00
Delivery Services	\$1,268.47
Total new charges	\$1,268.47
Total amount due	\$2,296,47

Payment due upon receipt unless other arrangements have been made.

** Please remit the past due amount of \$1,028.00. This amount is due immediately in order to avoid a possible service disconnection. Please disregard if you have made a payment orconfirmed a payment arrangement. (e.g., Matching Payment Program).

Detail for Service at:

40 FLORIDA RD, RIDGEFIELD CT 06877-6111

Service reference; 291622009

Billing cycle: 10

Your meter reading for meter # 891856552

For billing period: Jul 15 - Aug 16 (32 days)

Next read date on or about: Sep 15, 2016

Actual reading on Aug 16, 2016 Actual reading on Jul 15, 2016 6285 - 6169

Difference Meter constant

wat'i kecu.

= 116 x 120 = 13,920

Billed usage

Total demand use: 47.80 kW

APPROVED FOR PAYMENT

Order Complete

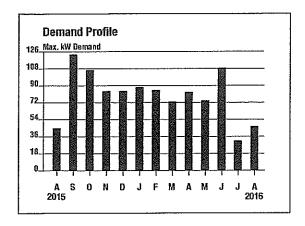
Partial Shipment

Remit Payment To: Eversource, P.O.Box 650032, Dallas, TX 75265-0032

Datecontinued on next page)

PAGE 2 OF 3

Account number: 51128433018



Delivery Services Detail	DISTRIBUTI	ON I	RATE: 040	
Transmission Chrg	13920.00KWH	х	\$0.026700	\$371.66
Distr Cust Srvc Chrg				\$54.50
Distr Chrg per KWH	13920.00KWH	х	\$0.041760	\$581.30
Revenue Adj Mechanism	13920.00KWH	х :	\$0.000790	\$11.00
CTA Chrg per KWH	13920.00KWH	х	\$0.001160	\$16.15
FMCC Delivery Chrg	13920.00KWH	Х	\$0.008570	\$119.29
Comb Public Benefit Chrg*	13920.00KWH	х :	\$0.007810	\$108.72
Distribution Adj Chrg***	13920.00KWH	х :	\$0.000420	\$5.85
Subtotal				\$1,268.47

Explanation of your charges

*The Combined Public Benefits Charge represents a combination of three charges formerly known as: Conservation and Load Mgmt Charge, Renewable Energy Investment Charge, and Systems Benefits Charge. This charge also includes the Conservation Adjustment Mechanism approved by the Public Utilities Regulatory Authority in Docket No. 13-11-14.

**Effective January 1, 2007, the Generation Services Charge (GSC) and the Bypassable Federally Mandated Congestion Charge (BFMCC) have been combined into the "GSC Charge" listed in the Supplier Services section of your bill. The GSC reflects all of the cost of procuring energy from Eversource wholesale suppliers. The BFMCC portion of this line item is -\$0.0004/kWh. If you multiply this BFMCC rate by the number of kWhs on your bill, you can calculate the dollar amount associated with the BFMCC.

***Distribution Adjustment to be collected over 24 months beginning December 1, 2015, as a result of an accumulated deferred income tax adjustment.

Remit Payment To: Eversource, P.O.Box 650032, Dallas,TX 75265-0032

(continued on next page)

EVERSURCE

Contact Information

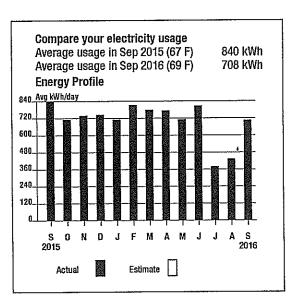
Emergency: 1-800-286-2000 (anytime) Web Site: www.eversource.com Email: BusinessCenterCT@eversource.com Pay by Phone 1-888-783-6618

Business customers:

Customer Service: 1-888-783-6617

(M-F 8-5) Your electric supplier is CONSTELLATION NEWENERGY, INC. 14217 COLLECTION CENTER DR

CHICAGO IL 60693-0142 1-888-635-0827



Total Amount Due Due Date Nov 14, 2016 \$1,906.84

TOWN OF RIDGEFIELD PUBLIC SCHO

Statement date: Sep 15, 2016 Customer name key: RIDG

Account number: 51128433018

Electric Account Summary

Total amount due			\$1,906.84
Total new charges	Signatur	- ANNO-T	\$1,906.84
Delivery Services	Signatur	e	\$1,906.84
New Charges/Credits Electricity Supply Services		3 Janes Lib Date	\$0.00
Balance Forward		Order Country Partial Shipment Partial Shipment Partial Shipment	\$0.00
Payment Sep 8	APPROVEL	Ordei O mebi	-\$1,268.47
Payment Aug 18 *	Mat'l Recd.	FOR PAYING molete	-\$1,028.00
Amount due on Aug 16	ari	- AVAITEN'	\$2,296.47

Payment due upon receipt unless other arrangements have been made.

Detail for Service at:

40 FLORIDA RD, RIDGEFIELD CT 06877-6111

Service reference: 291622009 Billing cycle: 10

Your meter reading for meter #891856552

For billing period: Aug 16 - Sep 15 (30 days) Next read date on or about: Oct 14, 2016 6462 Actual reading on Sep 15, 2016 - 6285 Actual reading on Aug 16, 2016 = 177 Difference Meter constant x 120

Total demand use: 111.10 kW

Billed usage

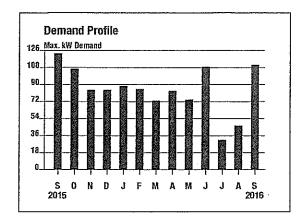
Remit Payment To: Eversource, P.O.Box 650032, Dallas, TX 75265-0032

(continued on next page)

= 21,240

PAGE 2 OF 3

Account number: 51128433018



Delivery Services Detail	DISTRIBUTION RATE: 040	
Transmission Chrg	21240.00KWH x \$0.026700	\$567.11
Distr Cust Srvc Chrg		\$54.50
Distr Chrg per KWH	21240.00KWH x \$0.041760	\$886.98
Revenue Adj Mechanism	21240.00KWH x \$0.000790	\$16.78
CTA Chrg per KWH	21240.00KWH x \$0.001160	\$24.64
FMCC Delivery Chrg	21240.00KWH x \$0.008570	\$182.03
Comb Public Benefit Chrg*	21240.00KWH x \$0.007810	\$165.88
Distribution Adj Chrg***	21240.00KWH x \$0.000420	\$8.92
Subtotal		\$1,906.84

Explanation of your charges

*The Combined Public Benefits Charge represents a combination of three charges formerly known as: Conservation and Load Mgmt Charge, Renewable Energy Investment Charge, and Systems Benefits Charge. This charge also includes the Conservation Adjustment Mechanism approved by the Public Utilities Regulatory Authority in Docket No. 13-11-14.

**Effective January 1, 2007, the Generation Services Charge (GSC) and the Bypassable Federally Mandated Congestion Charge (BFMCC) have been combined into the "GSC Charge" listed in the Supplier Services section of your bill. The GSC reflects all of the cost of procuring energy from Eversource wholesale suppliers. The BFMCC portion of this line item is -\$0.0004/kWh. If you multiply this BFMCC rate by the number of kWhs on your bill, you can calculate the dollar amount associated with the BFMCC.

***Distribution Adjustment to be collected over 24 months beginning December 1, 2015, as a result of an accumulated deferred income tax adjustment.

Remit Payment To: Eversource, P.O.Box 650032, Dallas, TX 75265-0032

(continued on next page)



CNE CUSTOMER ID NE 22278

STATEMENT NO. 0033851231

PAGE 1 of 3

CNE ACCOUNT ID 1-M6D-2011

STATEMENT DATE 07/17/2016

APPROVED FOR PAYMENT

DUE DATE 08/17/2016

For questions or comments, please contact Customer Care at (888)635-0827 Monday through Friday 7:00 am to 6:00 pm Central Standard Time, or email us at customercare@constellation.com.

When contacting Constellation, please reference the CNE ACCOUNT ID found at the top of this page.

ACCOUNT BALANCE	
PREVIOUS STATEMENT DATE	06/19/2016
PREVIOUS BALANCE	\$2,231.63
PAYMENTS SINCE LAST INVOICE	\$0.00
DEBITS/CREDITS SINCE LAST INVOICE	\$0.00
LATE/FINANCE FEE	\$0.00
CURRENT CHARGES	\$954.98
TOTAL AMOUNT DUE	\$3,186.61

1516-461,02 1(a.D. 493.96

Payment Due

Mat'l Recd.

	s	М	__ A	ugus	st _	F	s
l	<u> </u>	1	2	3	<u> </u>	5	6
1	7	8	9	10	11	12	13
	14	15_	16	17	18	19	20
	21	22	23	24	25	26	27
1	28	20	30	21	l	1	

_Order Complete

Hordrichson

WIRE TRANSFER INFORMATION: Constellation NewEnergy, Inc. ABA-ACH #111000012, ABA-WIRE #026009593 ACCT #4426223690 BANK: Bank of America

REMITTANCE ADDRESS: Constellation NewEnergy, Inc. 14217 Collections Center Dr. Chicago IL, 60693-0142



CNE CUSTOMER ID NE_22278

STATEMENT NO. 0033851231

PAGE 3 of 3

CNE ACCOUNT ID 1-M6D-2011

STATEMENT DATE 07/17/2016

DUE DATE 08/17/2016



Ridgefield Public Schools -51128433018291622009

SERVICE LOCATION

40 Florida Rd

CLP ACCOUNT ID

Ridgefield, CT 06877-6111 51128433018291622009

CNE INVOICE ID

0033851231-0001

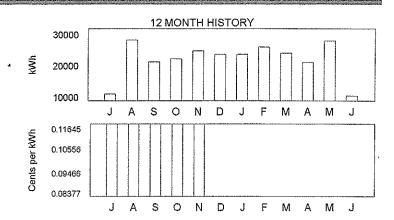
<u>kWh</u>

11,400.00

SERVICE PERIOD

06/16/2016 to 07/15/2016

PRODUCT Fixed Price



METER NO(S). 291622009

Contract Charges

Quantity

Contract/Market Rate

Amount

Energy Charge Non TOU

11,400.00

kWh at 0.0837700 \$/kWh \$954.98

Subtotal Contract Charges

\$954.98

Subtotal Charges from Constellation NewEnergy

\$954.98

Total Amount Due To Constellation NewEnergy

\$954.98



CNE CUSTOMER ID NE_22278

STATEMENT NO. 0034509706

PAGE 1 of 3

CNE ACCOUNT ID 1-M6D-2011

STATEMENT DATE 08/18/2016

DUE DATE 09/18/2016

For questions or comments, please contact Customer Care at (888)635-0827 Monday through Friday 7:00 am to 6:00 pm Central Standard Time, or email us at customercare@constellation.com.

When contacting Constellation, please reference the CNE ACCOUNT ID found at the top of this page.

ACCOUNT BALANCE	
PREVIOUS STATEMENT DATE	07/17/2016
PREVIOUS BALANCE	\$3,186.61
PAYMENTS SINCE LAST INVOICE	\$-3,186.61
DEBITS/CREDITS SINCE LAST INVOICE	\$0.00
LATE/FINANCE FEE	\$0.00
CURRENT CHARGES	\$1,166.08
TOTAL AMOUNT DUE	\$1,166.08

Mat'l Recd.

APPROVED FOR PAYMENT

____Order Complete Paul B. Hendel Shipmen

Date Signature

WIRE TRANSFER INFORMATION: Constellation NewEnergy, Inc. ABA-ACH #111000012, ABA-WIRE #026009593 ACCT #4426223690 BANK: Bank of America

REMITTANCE ADDRESS:
Constellation NewEnergy, Inc. 14217 Collections Center Dr. Chicago IL., 60693-0142

	September S M T W T F S						
	S	M	T	· W	T	F	S
					1_	2	3
	4	5	6	7	8	9	10
Payment Due	11	12	13	14	15	16	17
	18	19	20	21	22	23	_24
	25	26	27	28	29	30	



Ridgefield CT Schools

CNE CUSTOMER ID NE 22278

STATEMENT NO. 0034509706

PAGE 3 of 3

CNE ACCOUNT ID 1-M6D-2011

STATEMENT DATE 08/18/2016

DUE DATE 09/18/2016

SITE NAME

Ridgefield Public Schools -51128433018291622009

SERVICE LOCATION

40 Florida Rd

Ridgefield, CT 06877-6111

CLP ACCOUNT ID

51128433018291622009

CNE INVOICE ID

0034509706-0001 13,920,00

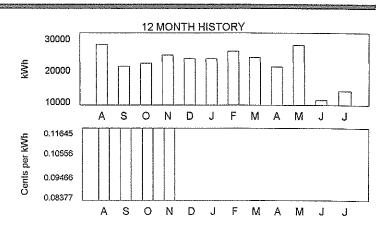
<u>kWh</u>

SERVICE PERIOD

07/16/2016 to 08/16/2016

PRODUCT

Fixed Price



METER NO(S). 291622009

Contract Charges

Quantity

Contract/Market Rate

Amount

Energy Charge Non TOU

13,920.00

kWh at 0.0837700 \$/kWh

\$1,166.08

Subtotal Contract Charges

\$1,166.08

Subtotal Charges from Constellation NewEnergy

\$1,166.08

Total Amount Due To Constellation NewEnergy

\$1,166.08



CNE CUSTOMER ID NE_22278 STATEMENT NO. 0035148809 PAGE 1 of 4

CNE ACCOUNT ID 1-M6D-2011 STATEMENT DATE . 09/19/2016 DUE DATE 10/20/2016

For questions or comments, please contact Customer Care at (888)635-0827 Monday through Friday 7:00 am to 6:00 pm Central Standard Time, or email us at customercare@constellation.com.

When contacting Constellation, please reference the CNE ACCOUNT ID found at the top of this page.

ACCOUNT BALANCE	
PREVIOUS STATEMENT DATE	08/18/2016
PREVIOUS BALANCE	\$1,166.08
PAYMENTS SINCE LAST INVOICE	\$-1,166.08
DEBITS/CREDITS SINCE LAST INVOICE	\$0.00
LATE/FINANCE FEE	\$0.00 .
CURRENT CHARGES	\$1,779.27
TOTAL AMOUNT DUE	\$1,779.27

Mat'l Recd.

APPROVED FOR PAYMENT

_Order Complete

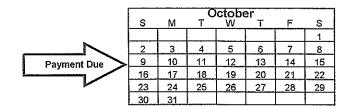
Partial Shipment

Signature

Date

WIRE TRANSFER INFORMATION: Constellation NewEnergy, Inc. ABA-ACH #111000012, ABA-WIRE #026009593 ACCT #4426223690 BANK: Bank of America

REMITTANCE ADDRESS: Constellation NewEnergy, Inc. 14217 Collections Center Dr. Chicago IL, 60693-0142





CNE CUSTOMER ID NE_22278 STATEMENT NO. 0035148809

PAGE 3 of 4

CNE ACCOUNT ID 1-M6D-2011 STATEMENT DATE 09/19/2016 DUE DATE 10/20/2016

SITE NAME

Ridgefield Public Schools -51128433018291622009

SERVICE LOCATION

40 Florida Rd

Ridgefield, CT 06877-6111

CLP ACCOUNT ID

51128433018291622009

CNE INVOICE ID

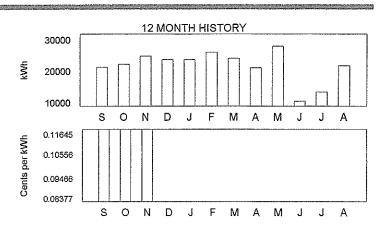
0035148809-0001 21,240.00

<u>kWh</u> <u>SERVICE PERIOD</u>

08/17/2016 to 09/15/2016

PRODUCT

Fixed Price



METER NO(S). 291622009

Contract Charges

Quantity

Contract/Market Rate

Amount

Energy Charge Non TOU

21,240.00

kWh at 0.0837700

\$/kWh

\$1,779.27

Subtotal Contract Charges

\$1,779.27

Subtotal Charges from Constellation NewEnergy

\$1,779.27

Total Amount Due To Constellation NewEnergy

\$1,779.27



The information depicted on this map is for planning purposes only. It is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analyses.

Solar Photovoltaic System Installation, Branchville School, Roof Areas

10/13/20³16 10:10:23 AM







Roof 1



Roof 5



Roof 6
Note: Photographs taken 10/16. Current conditions may vary.



Roof 10



Roof 11



Roof 12

Note: Photographs taken 10/16. Current conditions may vary.

TOWN OF RIDGEFIELD

2013 ROOF ASSESSMENTS

BUILDING NAME:	BRANCHVILLE ELEMENTARY SCHOOL
BUILDING ADDRESS:	40 FLORIDA ROAD
	RIDGEFIELD, CT
TOTAL ROOF AREA:	51,627 SF
NUMBER OF ROOF AREAS	:
ROOF TYPES:	
EPDM MEMBRANE:	
Fully Adhered (R1-12) (Installed 1993; Carlisle warrar	51,627_SF ntee expired)

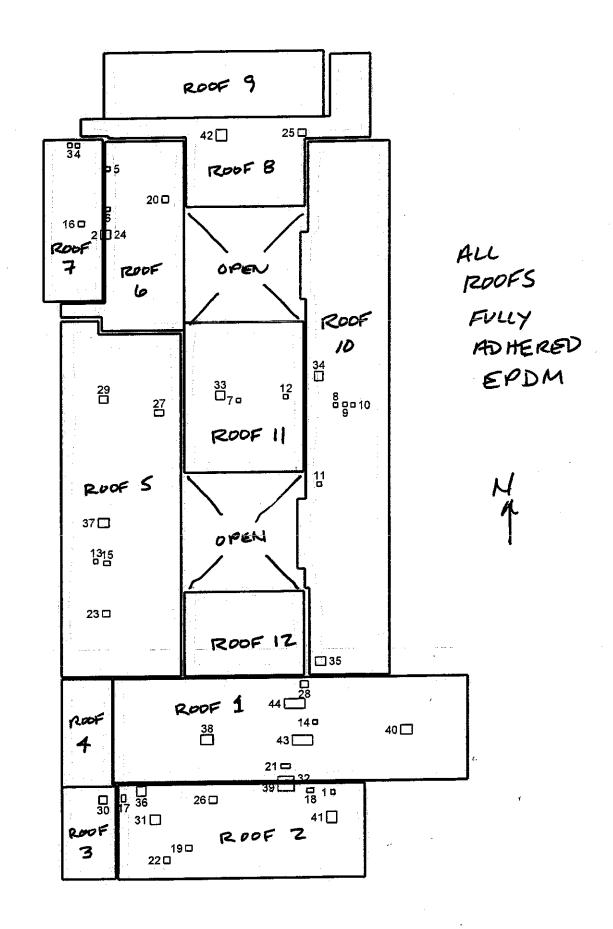
GENERAL ROOF OBSERVATIONS:

EPDM MEMBRANE: Fully adhered EPDM membrane generally in fair condition with some repairs required. Field seam edges (field, flashings and roof edges) are peeling or curling. Some holes and openings in membrane and flashings observed.

RECOMMENDED ACTIONS:

EPDM MEMBRANE: Repair observed deficiencies including but not limited to holes, openings, missing drain strainers and walkway pads. Consider stripping in all field seams of the 20-year old EPDM roofs.

	6 August 2013
DATE OF INSPECTION:	O August 2015



BRANCHVILLE ELEMENTARY SCHOOL

RIDGEFIELD- BRANCHVILLE ELEMENTARY SCHOOL, ROOF AREAS and DEFICIENCIES BY ROOF

	ADHERED		
ROOT TOOT	EPUM, SF	OBSERVED DEFICIENCIES	HBF PHOLOS
7	7949	EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Failed Stripping at 7949 Metal Edge Joints, Dislodged Bird Screen at Center Air Intake	2 thru 9
R 2	5036	5036 Metal Edge Joints, Dislodged Walkway Pads	10 thru 20
		EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Hole in Flashing at	
R3	1057	East Perimeter, Failed Stripping at Metal Edge Joints	21 thru 24
		EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Failed Stripping at	
		Metal Edge Joints, Hole in Flashing at West Perimeter, Failed Mastic Repair at East Perimeter	
R4	1153	1153 Expansion Joint	25 thru 28
		EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Failed Stripping at	
		Metal Edge Joints, Wood Dunnage Directly on EPDM Membrane, Dislodged Bird Screen at Exhaust	
R5	8840	8840 Unit, Failed Solder at Coping Joint	29 thru 40
		EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Failed Stripping at	
		Metal Edge Joints, Hole in Flashing at East Perimeter, Failed Connection at Wall above Expansion	
R6	3333	3333 Joint at West Perimeter	41 thru 47
		EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Failed Stripping at	
R7	2011	2011 Metal Edge Joints, Protruding Flange Corner at Vent Stack	48 thru 52
_		EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Failed Stripping at	
	-	Metal Edge Joints, Loose Membrane at Roof Drain Above Leak Location, Open Lap in Flashing at	
R8	3505	3505 South Perimeter, Failed Solder at Coping Termination, Overhanging Tree Limbs	53 thru 60
		EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Failed Stripping at	
R9	3041	3041 Metal Edge Joints, Loose Flashing Corners at North Perimeters	61 thru 66
		EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Failed Stripping at	
		Metal Edge Joints, Open Flashings at West Perimeters, Failed Sealant at Masonry Control Joint above	
R10	9745		67 thru 76
		EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Failed Stripping at	
R11	3812	3812 Metal Edges	77 thru 84
		EPDM Field, Flashing, Stripping and Repair Patch Seam Edges Curling Upward, Failed Stripping at	
		Metal Edges, Loose Flashing at NW Corner, Failed Seatant at Masonry Control Joint above South	
R12	2145	2145 Perimeter	85 thru 90
		Manufacture and the second sec	
TOTAL	51627		
	SF		

Precise Aerial Measurement Report

Prepared for you by H.B. FISHMAN CO. INC.



40 Florida Rd, Ridgefield, CT 06877

BRANCHVILLE ELEMENTARY

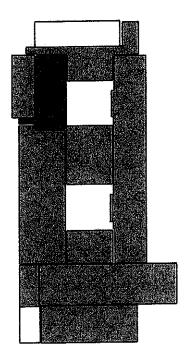
SCHOOL



H.B. FISHMAN CO. INC. 300 PLEASANT VALLEY ROAD SOUTH WINDSOR, CT 06074

> John Wooten tel. 860-528-6036 email: jrw@hbfishman.com

40 Florida Rd, Ridgefield, CT 06877



In this 3D model, facets appear as semi-transparent to reveal overhangs.

Report Details	Roof Details	Report Contents
Report:6843464	Total Roof Area =51,627 sq ft Total Roof Facets =12 Predominant Pitch =0/12 Number of Stories Unknown Total Ridges/Hips =0 ft Total Valleys =0 ft Total Rakes =0 ft Total Eaves =25 ft Total Wall Area = sq ft Total Wall Facets = Total Penetrations =44 Total Penetrations Area = 541 sq ft	Images

Contact:

John Wooten

Company:

H.B. FISHMAN CO. INC.

Address:

300 PLEASANT VALLEY ROAD SOUTH WINDSOR CT 06074

Phone:

860-528-6036

Measurements provided by www.eagleview.com





Certified Accurate

www.eagleview.com/Guarantee.aspx

Images

The following aerial images show different angles of this structure for your reference.

Top View





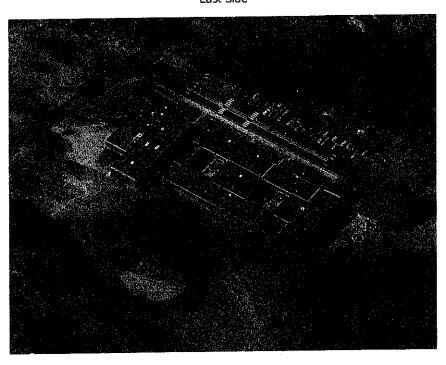
North Side



South Side



East Side



West Side



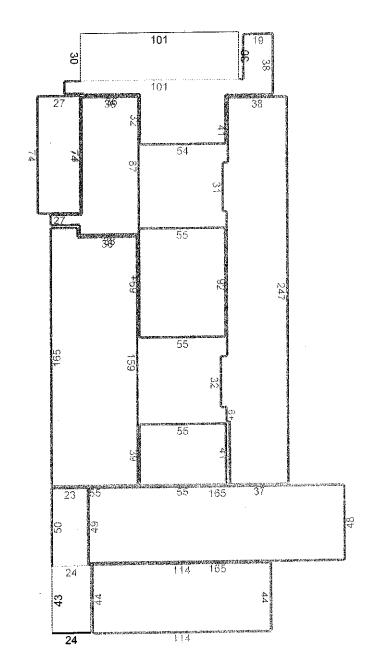


Report: 6843464

Length Diagram

Total Line Lengths:

Ridges = 0 ft Hips = 0 ft Valleys = 0 ftRakes = 0 ftEaves = 25 ft Flashing = 101 ft Step flashing = 147 ft Parapets = 3,126 ft





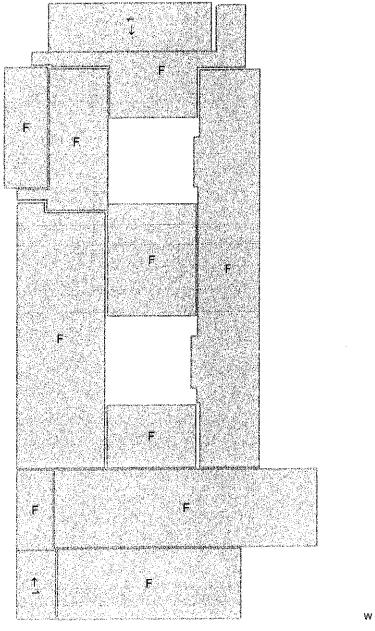
<u>Note</u>: This diagram contains segment lengths (rounded to the nearest whole number) over 5 feet. In some cases, segment labels have been removed for readability. Plus signs preface some numbers to avoid confusion when rotated (e.g. +6 and +9).



Report: 6843464

Pitch Diagram

Pitch values are shown in inches per foot, and arrows indicate slope direction. The predominant pitch on this roof is 0/12.



N E

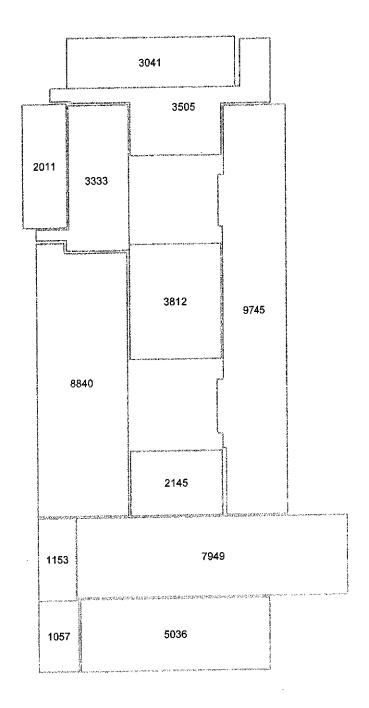
Note: This diagram contains labeled pitches for facet areas larger than 20 square feet. In some cases, pitch labels have been removed for readability. Gray shading indicates flat, 1/12 or 2/12 pitches. If present, a value of "F" indicates a flat facet (no pitch).



Report: 6843464

Area Diagram

Total Area = 51,627 sq ft, with 12 facets.



philips (selection technologies inc

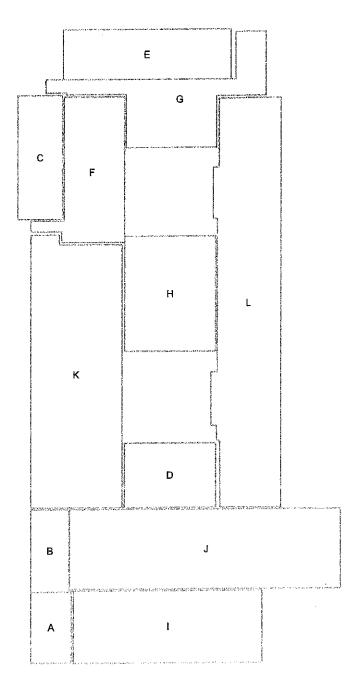
w N E

<u>Note</u>: This diagram shows the square feet of each roof facet (rounded to the nearest foot). The total area in square feet, at the top of this page, is based on the non-rounded values of each roof facet (rounded to the nearest square foot after being totaled).



Report: 6843464

Notes DiagramRoof facets are labeled from smallest to largest (A to Z) for easy reference.



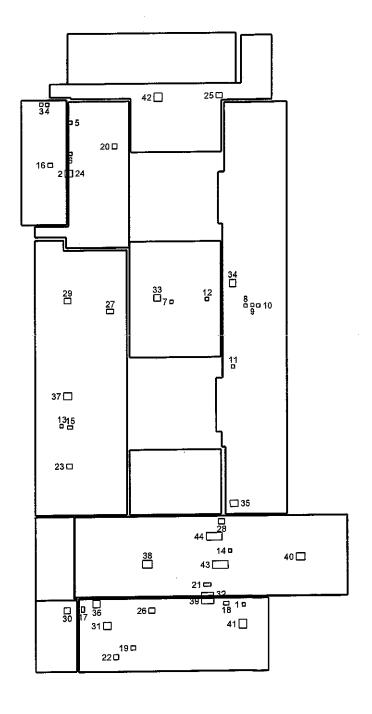


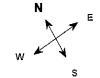
Report: 6843464

Penetrations Notes Diagram

Penetrations are labeled from smallest to largest for easy reference.

Total Penetrations = 44 Total Penetrations Perimeter = 591 ft Total Penetrations Area = 541 sq ft Total Roof Area Less Penetrations = 51,087 sq ft







Report: 6843464

Report Summary

Below is a measurement summary using the values presented in this report.

Areas per Pitch		
Roof Pitches	0/12	1/12
Area (sq ft)	47529.8	4097.7
% of Roof	92.1%	7.9%

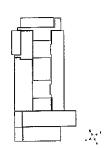
The table above lists each pitch on this roof and the total area and percent (both rounded) of the roof with that pitch.

Waste Calculation	on Table						
Waste %	0%	10%	12%	15%	17%	20%	22%
Area (sq ft)	51,627	56,791	57,823	59,372	60, 4 05	61,954	62,986
Sauares	516.3	567.9	578.2	593.7	604.0	619.5	629.9
					N L d o _ o d 4	Farant warta narc	ontages The

This table shows the total roof area and squares (rounded up to the nearest decimal) based upon different waste percentages. The waste factor is subject to the complexity of the roof, individual roofing techniques and your experience. Please consider this when calculating appropriate waste percentages. Note that only roof area is included in these waste calculations. Ridge, hip, valley, and starter lengths may require additional material.

Penetrations	1-13	14	15	16	17	18	19	20	21	22
Area (sq ft)	4	3.1	5.9	6.7	6.6	6.9	7.4	8.9	9	8,6
Perimeter (ft)	8	9.6	9.8	10.4	10.6	10.6	11	12	12	12,6
	23	24 *	25	26	27	-28	29	30	31	. 32
Area (sq ft)	10.1	10.2	10.8	11.5	11.7	11.4	13	13.2	16.5	16.5
Perimeter (ft)	12.8	13.2	13.2	13.6	13.6	13.8	14.4	14.4	16.2	16.4
	33	34	35	36	37	:38	39	40	41	42
Area (sq ft)	18.6	19.9	20.6	20.3	14.5	23.6	24.5	24.8	26.1	23.3
Perimeter (ft)	17.4	17.8	18	18.2	18.4	19.4	19.8	19.8	20.6	21.2

Any measured penetration smaller than 3x3 feet may need field verification. Accuracy is not guaranteed. The total penetration area is not subtracted from the total roof area.



Total Roof Facets = 12 Total Penetrations =44

Lengths, Areas and Pitches

Ridges = 0 ft (0 Ridges) Hips = 0 ft (0 Hips). Valleys = 0 ft (0 Valleys)

Rakes* = 0 ft (0 Rakes) Eaves/Starter** = 25 ft (1 Eaves)

Drip Edge (Eaves + Rakes) = 25 ft (1 Lengths)

Parapet Walls = 3,126 (66 Lengths).

Flashing = 101 ft (1 Lengths)

Step flashing = 147 ft (4 Lengths)

Total Area = 51,628 sq ft

Total Penetrations Area = 541 sq ft

Total Roof Area Less Penetrations = 51,087 sq ft

Total Penetrations Perimeter = 591 ft

Predominant Pitch = 0/12

Property Location

Longitude = -73.4446423 Latitude = 41.2703459

Notes

This was ordered as a commercial property. It was reported to be single structure. There were no changes to the structure in the past four years.

^{**} Eaves are defined as roof edges that are not sloped and level.



Rakes are defined as roof edges that are sloped (not level).

Vertical Wall Area (sq ft)	3126	6252	9378	12504	15630	10/00 i	21002
/ Wall Height (ft)	1				4 5 6 3 0	18756	21882
	1	כ	7	4	5	6	
			والمنافسة والمناولة الموادة المناولة المناولة والمناولة	A STATE OF THE PARTY OF THE PAR		-	7 1
Parapet Wall Area Table	为数据2012年,在1660年1973年				A DATE OF		2001 2 47 15 10 10 10 10 10 10 10 10 10 10 10 10 10
	And the declaration of	ter tits, og gregor som tig at sta	in Assistantia	and the same of the	and August Stein Striet		A Secretary

This table provides common parapet wall heights to aid you in calculating the total vertical area of these walls. Note that these values assume a 90 degree angle at the base of the wall. Allow for extra materials to cover cant strips and tapered edges.

Online Maps

Online map of property

http://maps.google.com/maps?f=g&source=s_g&hl=en&geocode=&q=40+Florida+Rd,Ridgefield,CT,06877

Directions from H.B. FISHMAN CO. INC. to this property

http://maps.google.com/maps?f=d&source=s_d&saddr=300+PLEASANT+VALLEY+ROAD,SOUTH+WINDSOR,CT,06074&daddr=40+Flo rida+Rd,Ridgefield,CT,06877



Additional Property Information

Property Details	
Year Built/Effective Year Built:	N/A N/A
Effective Year Built is when the property's major	components were revised to meet that year's code.
Weather Data	The state of the s
Last Hail Event:	6/24/2012
Hail Count:	13
Last hall event is the date of the last recorded ha	il event (greater than or equal to 3/4") within a one-mlle radlus. (greater than or equal to 3/4") within a one-mlle radius in the past three years.

Data such as weather and property information has been included to enhance your EagleView experience. The data is provided through strategic partners and is not verified by EagleView for accuracy, completeness or reliability.



Report: 6843464

Businesses Near This Property

The links on this page point to businesses near this property (marked by a green arrow in the maps).

Restaurants

http://maps.google.com/maps?near=40+Florida+Rd,Ridgefield,CT,06877&g=Restauraunts

Fast Food

http://maps.google.com/maps?near=40+Florida+Rd,Ridgefield,CT,06877&q=Fast+Food

Medical Centers

http://maps.google.com/maps?near=40+Florida+Rd,Ridgefield,CT,06877&q=Medical+Centers

Hospitals

http://maps.google.com/maps?near=40+Florida+Rd,Ridgefield,CT,06877&q=Hospitals

Doctors

http://maps.google.com/maps?near=40+Florida+Rd,Ridgefield,CT,06877&q=Doctors

Gas Stations

http://maps.google.com/maps?near=40+Florida+Rd,Ridgefield,CT,06877&g=Gas+Stations

