Town of Bristol

and

Town of Barrington

Request for Qualifications/Proposals for a Public-Private Partnership for On-Site Solar Projects

Bid #850

Response from

Syncarpha Solar, LLC

MASTER - Modified

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Executive Summary

We submit this proposal in response to the Town of Bristol and Town of Barrington's request for proposals for a Public-Private Partnership for On-Site Solar Projects. It is exciting to see both Towns looking to include the benefits of solar generated electricity as part of their long-term energy strategy.

The Syncarpha team is very well equipped to develop and build the solar PV systems quickly and efficiently. The Syncarpha team has extensive solar project experience in Massachusetts, particularly including projects on landfills and rooftops. Syncarpha is familiar and comfortable with all aspects, processes, and economics required for these kinds of commercial projects in the New England ISO area. This experience and comfort includes all facets of permitting and construction as well as legislative, regulatory and utility requirements. Furthermore, Syncarpha has extensive experience contracting for and monetizing Solar Renewable Energy Certificates and Renewable Energy Certificates – SRECs and RECs – which are an important part of the economic viability of solar projects in Rhode Island. While Syncarpha does not have any projects currently operational in Rhode Island, our detailed experience with solar in New England allows the team to accurately forecast its development and construction schedules. This experience includes working successfully through the interconnection processes with National Grid (the parent company of Narragansett Electric Company) in both Massachusetts and New York.

Proposal specifics

Bristol project size – 5,000kWdc, comprised of:

- Bristol Landfill: 5,000 kW dc
  - Expected first year production: 6.82 million kWh
  - Term of contract: 20 years
  - Option A: Solar Power Purchase Agreement - Fixed Price
    - Lease Rate: $15,000/MWdc
    - PPA Price: $0.105/kWh (2% escalator)
    - Total Projected Year 1 Savings: $261,171
  - Option B: Solar Power Purchase Agreement - Discount
    - Lease Rate: $15,000/MWdc
    - PPA Price: 15% discount
    - Total Projected Year 1 Savings: $172,245
  - Option C: Renewable Energy Growth Program
    - Lease Rate: $30,000/MWdc
    - Total Projected Year 1 Savings: $150,000

Barrington project size – 618 kWdc, comprised of:

- Nayatt Elementary: 208 kW dc
- Primrose Hill: 226 kW dc
- Sowams Elementary: 184 kW dc
  - Expected first year production: 782,000 kWh
  - Term of contract: 20 years
  - Option A: Renewable Energy Growth Program
    - Lease Rate: $53,400/MWdc
    - Total Projected Year 1 Savings: $33,000
  - Option B: Renewable Energy Growth Program + Fixed Price PPA from Bristol

- Lease Rate: $53,400/MWdc
- PPA Price: $0.105/kWh (2% escalator)
- Total Projected Year 1 Savings: $137,361.00

- Option C: Renewable Energy Growth Program + Discount PPA from Bristol
  - Lease Rate: $53,400/MWdc
  - PPA Price: 15% discount
  - Total Projected Year 1 Savings: $88,467.00

Please note:

Syncarpha declines to bid on the available rooftops in Bristol because all of Bristol's electrical appetite can be met by the 5,000 kW production of the proposed landfill system. A solar system exclusively on the landfill minimizes interconnection costs and other construction costs and therefore maximizes the Town of Bristol's savings, and provides the most economic benefit to the Town when combined with the landfill lease payment.

Syncarpha declines to bid on the remaining seven (7) rooftops in Barrington not named above because the most economic solution for the Town of Barrington is a combination of i) electricity bill savings as an offtaker of the energy from the Bristol landfill system and ii) the lease payments from the three (3) rooftop systems to be constructed under the Renewable Energy Growth Program. Barrington may choose either pricing structure (fixed price or discount) for a Power Purchase Agreement ("PPA") from the Bristol landfill system.

Each Town may choose any of the options offered to them without affecting the other Town's choice with one exception. If Bristol chooses its Option C, both PPA options for Barrington will not be available.

Lease payments are 100% guaranteed and the Power Purchase Agreement Production Levels are 85% guaranteed.

Syncarpha has successfully worked with a number of solar construction companies in the northeast, including Borrego, M&W (Gehrlicher), Conti, & Pro-Tech. For this project, we will be working with E2SOL. E2SOL is a Rhode Island based renewable energy company that has completed construction on multiple ground-mounted and rooftop solar systems in Rhode Island.

Syncarpha is highly familiar and experienced with Remote Net Metering and Net Metering Credit Agreements and has implemented numerous projects in Massachusetts under nearly identical criteria. Syncarpha obtained site control, developed, funded, constructed and now operates the remote net metered assets. Syncarpha also has extensive experience with off-take agreements with public sector entities for Net Metering Credits under both fixed price and discount arrangements. A reference list for all of our projects is provided in this proposal.

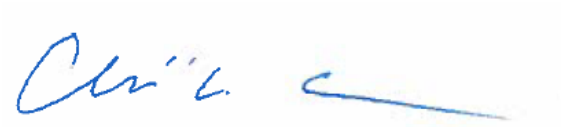
Syncarpha has not divulged, discussed or compared its Proposal with any other Bidders and has not colluded whatsoever with any other Bidder or third parties.

We are excited by this opportunity to provide both towns with significant energy savings, both annually and over the term of the contract (and beyond, if either town would so desire). Furthermore, these savings would be achieved using renewable energy with zero fuel inputs, providing additional benefits to your community and our planet.

We look forward to meeting with you at your earliest convenience to discuss this Proposal. If you have any questions, please feel free to contact Cliff Chapman by phone (212.419.4844) or by email (cliff.chapman@syncarpha.com).

Very truly yours,

SYNCARPHA SOLAR, LLC



By: Cliff Chapman

Managing Member

Background – Syncarpha

Syncarpha Capital, LLC Company Profile:

Syncarpha is an experienced, privately-funded developer, owner and operator of commercial and utility-scale solar facilities.

Syncarpha currently owns and operates more than 40 MW of solar facilities in North America. As an owner-operator of these systems, we have the on-going responsibility to provide long-term energy to our customers. We are not just a solar company; we are a Solar Independent Power Producer. Syncarpha has the financing and specialized administrative, legal and technical skills required to not only build solar projects, but to ultimately own and operate them for decades.

Syncarpha has completed construction on more than 60 MW of solar projects over the past eight years with an additional 23 MW currently under construction. This solar expertise extends over multiple states working with different utilities, different permitting entities and regulatory framework—including National Grid, the parent company of Narragansett Electric Company. Syncarpha has interconnected 23 MW of solar systems with National Grid and is currently constructing 20 MW of solar systems in National Grid's territory.

Please refer to our project examples and references that are included in our response that include ground mounted, carport and roof mounted projects as well as specialized projects on landfills.

Syncarpha Solar, LLC is a privately owned private equity partnership founded in 2010, and is the development arm of the Syncarpha organization. Syncarpha Management, LLC is the asset management arm of the Syncarpha organization. Syncarpha Management, LLC has sixteen (16) full-time employees focused on the development, construction and operations of solar facilities in North America and was incorporated in Delaware on September 30, 2008. The company's sole office is located at 250 W 57th Street, Suite 701, New York, NY 10107.

Capital Finance Capability:

With a strong base of committed capital and over 48 MW of commercial and utility scale projects completed, Syncarpha has the experience, capital and management team to execute the appropriate financial and technical solution for the Town of Bristol and the Town of Barrington. Syncarpha is currently engaged in a $250 million solar investment program with Pacolet Milliken Enterprises ("PME"), a large family office based in South Carolina, and a leading tax equity investor (US Bank) in order to develop, own and operate large scale solar assets. By bringing principal equity and tax equity to bear on behalf of this project, Syncarpha has the ability to proceed without construction or contingent financing and will move quickly to execute the project.

The proposed financing structure for the Town's solar projects will be an unlevered tax equity partnership model. Syncarpha has completed numerous projects with our tax equity partner, and intends to include the project in our existing tax equity fund. As a result, financing contingencies related to securing a tax equity investor are eliminated and thus help reduce execution risk for the Towns. In addition, Syncarpha does not intend to put debt on the project during the development stage, instead financing the development and construction of the project with equity only, further reducing execution risk for the Towns.

Syncarpha Solar, LLC has not been involved in any prior or ongoing contract failures, civil or criminal litigations or investigations pending in which they have been judged guilty or liable.

Advantages to Long-Term Owner Bid Submission:

Syncarpha understands that when public entities enter into PPAs, they seek the security of executing the PPA and related project agreements with a counterpart, like Syncarpha, that is prepared to own and operate the solar facility with a long-term ownership perspective. Syncarpha's approach differs greatly from that of most RFP respondents and these differences stem from our company structure and overall operating strategy.

Syncarpha is a long-term owner and operator of solar energy projects. Our business focuses entirely on solar energy project development, financing and ownership—our entire foundation is based upon long-term investments in these projects. There is nothing more important to Syncarpha than the long-term health and production of these solar facilities. It is during the twenty (20) plus years of system operation of the proposed Towns' solar projects when Syncarpha achieves its returns—not in the actual construction of the system. In this way, Syncarpha's goals for the project directly align with the financial interests of the Towns. Syncarpha will be heavily involved in the entire project from start to finish, and we are utterly determined to do everything in our power to deliver a high quality, sustainable, 20+ year operating system. Our track record shows that we can deliver on this goal.

This is not to say that your typical solar EPC contractor will not build a suitable system—Syncarpha obviously works with EPC firms to construct all of our systems. The point is that an EPC contractor as an RFP respondent is highly incentivized to cut costs in an effort to win the RFP. However, once the project award is in hand, EPC firms are incentivized to build the system as cheaply and quickly as possible in order to position the facility for a financial return by way of sale. Most importantly, the financing support that EPC firms typically portray in an RFP response may be swapped out for a successor third party that the Towns did not choose as its project owner counterparty during the RFP process.

With Syncarpha's bid package, the Towns know who the long-term owner will be. This upfront knowledge should give the Towns a level of comfort not available with some of the other bids. Any number of public sector entities in New England can attest to the fact that these projects often change financing parties multiple times before they are eventually constructed. This will not be the case with Syncarpha. We want to work with the Towns to serve as the long-term owner of the systems.

Syncarpha's company structure of long-term ownership of solar assets is invaluable for the development of any new solar system. While an EPC partner will be well aware of construction risks, Syncarpha is privy to the risks and obstacles that may arise throughout the life of the system, and as the owner of the facility we will manage these risks aggressively to avoid operating and energy production disruptions. By selecting Syncarpha as the committed long-term owner, the Towns will realize the following benefits:

1. Minimal Execution Risk: As discussed above, Syncarpha is committed to being the long-term equity provider for the project. While other bidders may be looking to sell the project and thereby introduce financing risk, Syncarpha is fully committed to fund the project. Our equity commitment also greatly reduces the risk of delays that may put the project's eligibility at risk due to the solar regulatory landscape in Rhode Island that is continuing to develop and change.

2. Portfolio of Existing Assets: Syncarpha operates over 33 MW of assets. Syncarpha has the scale and dedicated operations team to provide extremely effective Operations & Maintenance ("O&M") oversight on the entire portfolio. The operating costs of the project (insurance, maintenance, etc.) will be reduced by being included in Syncarpha's current project portfolio. More efficient O&M operations in a portfolio reduces long-term risk for the project.

3. Project Control: The Towns will have confidence and control over the project resulting from the firm financing commitment that Syncarpha has secured from its equity and tax equity investors. Instead of having a standard letter of financing support from an outside financing party that is noncommittal, Syncarpha and its family office partner, Pacolet Milliken Enterprises, are fully committed to the Towns' solar projects. As a result, both Towns know who will finance, own and manage the project from beginning to end.

Stated most succinctly, if each Town awards the RFP to Syncarpha, each Town is selecting a 20+ year business partner, not just a short-term construction partner.

Solar PV Qualifications – Syncarpha

Syncarpha has extensive experience constructing solar systems on landfills and on state, quasi-state or municipal owned properties. Syncarpha firmly believes in the importance of the productive re-use of contaminated land for environmentally responsible, renewable energy production. Syncarpha has developed, and successfully constructed or is currently constructing six (6) solar projects on landfills, totaling over 23 MW. Four (4) of these solar projects are in Massachusetts and the other two (2) are in New Jersey.

Syncarpha developed and constructed a 3.0 MW solar array on a landfill in Scituate, MA. This project is listed as one of the USEPA's Re-Power America's Land case studies—highlighting it as a successful renewable energy project on a closed landfill[1]. Syncarpha also developed, constructed and currently owns and operates a 3.6 MW solar array on the landfill of the City of North Adams, MA, which completed construction in 2015 and has been operational for one year. In addition, Syncarpha developed and constructed a 3.5 MWdc solar facility on the landfill in Bernards Township, NJ which was completed in July 2016.

Other landfill solar facilities are currently under development or construction in Billerica, MA, Palmer, MA, and Gloucester Township, NJ. Syncarpha is highly sensitive to the concern that construction on landfills may damage the integrity of the landfill cap thus increasing the potential of environmental hazards at the site and surrounding areas. Syncarpha has been through the process of constructing solar sites on landfills multiple times and understands that construction cannot disturb the landfill cap or any on-site feature that ensures the environmental stability of the landfill. None of Syncarpha's landfill solar systems have ever affected the integrity of the landfill cap or any other environmental safety mechanism on site during construction or post construction during the solar system's operational life.

In addition, Syncarpha has experience working on landfills with active transfer stations. Specifically, the Bernards and North Adams landfills have day to day operations that were not adversely affected by the solar system's construction. In each case, Syncarpha worked with the Town to ensure that the equipment deliveries did not interfere with the daily traffic patterns and site operations. Syncarpha also ensured that the equipment laydown areas were far away from the transfer stations so transfer station work and solar construction could co-exist.

Syncarpha owns many solar systems located on state or municipal owned land and many of the offtakers of net metering credits produced by our solar systems are municipal entities. Syncarpha owns one (1) solar system installation on New Jersey state land at a public university, Stockton University. Stockton University is located in Galloway Township, NJ and has about 8,000 undergraduate students. Syncarpha also owns a solar system on Arizona state land through the University of Arizona, a public university in Tucson, Arizona with 32,000 undergraduate students. Additionally, Syncarpha has developed, constructed, and/or currently owns solar systems on land owned by municipalities including, North Adams, MA, Town of Palmer, MA, Town of Scituate, MA, Chelmsford, MA and Bernards Township, NJ. Syncarpha has secured long-term power purchase agreements ("PPA") with the following municipalities: Town of Scituate, City of North Adams, Town of Tewksbury, Town of Lenox, City of Marlborough, Town of Chelmsford, Town of Carver, Town of Leominster, Town of Andover, Town of Sharon, Town of Orleans, and Town of Plympton, Massachusetts for the offtake of the solar sites.

[1] https://www.epa.gov/sites/production/files/2015-04/documents/scituate_landfill_case_study.pdf

Project Team – Syncarpha

Project Lead: Ian Diamond, Vice President – Business Development

Since entering the solar power industry in early 2009, Ian moved quickly into the successful development of commercial solar projects. Ian has overseen the development of more than 30 MW of commercial solar PV projects working with public sector and corporate clients, and project developers.

Prior to joining Syncarpha, he was a Senior Project Development Manager at SolarCity, with projects developed for municipal and educational institutions in New York, New Jersey & Ohio. Additionally, Ian led the K-Solar initiative in New York State for SolarCity for K-12 schools in New York State. Previously, Ian was Manager - Commercial Project Development at ConEdison Solutions focusing on project acquisitions and collaborative ventures with developer partners.

Ian has extensive solar project expertise in New Jersey including: KPMG (Montvale); the Port Authority of New York & New Jersey (Newark Airport); Jackson Township Schools; Warren County Technical School; &, Vernon Township Schools. Project clients in other states include: Boston Scientific; the Cities of New Bedford (MA), Kerman (CA) & the City of New York; the New York Counties of Greene, Allegany & Erie; Taunton Municipal Light & Plant; & numerous other school Towns in New York, Ohio & California.

Before joining the solar industry, Ian spent more than 20 years in the organic food industry in Australia within which he founded one of the first organic wholesale businesses and one of the first organic export businesses, covering the gamut of long-term production, national and international logistics, business development and sales. He studied electrical engineering at the University of Melbourne in Australia.

Ian's current responsibilities, from a programmatic perspective, include strategic market development & collaborative partnership initiatives. From a project perspective, his responsibilities include customer liaison, contract negotiations & project optimization.

Cliff Chapman – Managing Partner

Cliff Chapman is Co-Founder and Managing Principal of Syncarpha Capital. He is a professional investor, entrepreneur and business executive seeking to capitalize on the tremendous investment opportunities in the alternative energy sector.

Previously, he was head of investment banking for Broadband Capital, a boutique investment bank. He directed all aspects of deal sourcing, banking, structuring and due diligence for transactions, raising in excess of $1 billion over three years. Prior to that, Cliff was CEO of mindSHIFT Technologies, a managed services provider focused on IT outsourcing for SMEs. He led a turnaround during which the company completed two capital raises and three acquisitions—and became one of the leading players in the utility computing business with a revenue run-rate of over $120 million.

Cliff earned his MBA with Honors from Columbia Business School and his BS in Computer Engineering from Lehigh University.

Ferd Convery – Counsel

Ferd Convery has provided legal services to renewable energy development companies for more than twenty years, and has advised clients in regard to virtually every type of acquisition, divestiture and financing transaction in the wind, solar and geothermal sectors.

Ferd's work includes the negotiation of key contracts related to the development of power projects, such as site control, permitting, interconnection, equipment supply, construction, and power and renewable credit sale agreements. Ferd has also acted as the lead counsel in a variety of transactions involving the purchase and sale of power projects during the development stage and after achieving commercial operation, as well as corporate and project finance transactions.

Prior to joining Syncarpha, he was an equity partner at Reed Smith, LLP and resident in the firm's Princeton, New Jersey offices for more than seventeen years.

Ferd has a Masters in Taxation from New York University School of Law, a Juris Doctor degree from Rutgers School of Law and a Bachelor of Arts degree from Yale University.

Jason Mansilla – Director of Engineering and Construction Management

Jason Mansilla is the Director of Engineering and Construction Management of Syncarpha Capital. He has over 5 years of experience managing the development, engineering and construction of multi-megawatt solar projects.

Prior to joining Syncarpha Capital, Jason was the Director of Electrical Engineering and Project Manager at KDC Solar LLC, where he managed the development, engineering and construction of net metered solar projects in New Jersey. This included the installation of a 6 MW single-axis tracking system at The Lawrenceville School in Lawrenceville, NJ, the installation of a 9.95 MW ground mounted system in Branchburg, NJ and the design of over 50 MW of additional solar projects in the state.

Before that, Jason worked as a Systems Engineer for Lockheed Martin working on satellite communications systems and physical security and command and control systems.

Jason earned his Masters of Business Administration from Georgetown University and his Bachelors of Science in Electrical and Computer Engineering from Lafayette College.

Hans Castro – Solar Engineer, Lead Designer

Hans is a NABCEP Certified Professional (PV-041115-010703) and Civil Engineer. He been involved in the design and engineering of more than 100+ MW of solar PV since 2007.

Hans has been the lead designer for *Syncarpha* since 2012. Involved in Production estimates (kWh), PV System designs for Ground Mount and Rooftop systems and construction monitoring.

Prior to joining *Syncarpha*, he was a project engineer for *Claro/América Móvil* (Forbes 2000 Company) in the telecommunications field. Hans has a Master's of Science in Construction Management and a Bachelor Degree in Civil Engineering from INTEC.

EPC Partner – E2SOL

E2SOL Company Profile:

E2SOL LLC (Efficient Energy Solutions), a Rhode Island based Limited Liability Company, innovates renewable energy technologies, develops sustainable project solutions and offers products designed to generate, store, and distribute renewable energy. E2SOL is a United States Government Small Business Enterprise and Registered General Contractor/Developer of Renewable Energy facilities.

- Rhode Island Contractors Registration and Licensing Board – Registration No. 34674 (attached in **Exhibit B**)
- United States Government Small Business Contractor DUNS # 032587890 / CAGE Code: 67R69
- United Nations Global Marketplace – Registration # 199391
- Purchasing RI Gov – Registered Vendor #45468

E2SOL is also a registered Dealer of Kyocera Solar, EcoSolargy Solar, Skyline Innovation Solar Thermal Systems, Schletter Photovoltaic Mounting Systems, Polaris America Wind Turbines, Metal Fabrication, All Earth Renewables Solar Trackers, Soligent, Eco-Innovations Micro Hydropower Systems, and EVSE Electric Vehicle Charging Systems.

The Company was founded in 2010 by Anthony Baro with the purpose to innovate renewable energy products and develop renewable energy facilities. Since then, the company has completed Patent Applications for a Low Profile Marine Vertical Axis Wind Generator, a Closed Loop Hydronic Power Generator System, and an Electric Motor Power Co-generator.

The company has also developed Community Scale Solar Photovoltaic, Wind Power, and Small Hydroelectric power facilities. E2SOL facilitates Project Ownership and Power Purchase Agreements Project Financing through its Finance Network Companies.

E2SOL's offices located in Rhode Island (HQ) and Massachusetts serve our New England States Customers. E2SOL's office in Florida (Boca Raton) serve our Southeastern and Caribbean Customers.

Qualifications:

E2SOL offers Sustainable Design and Engineering Services designed to deliver Energy Efficient Developments to achieve Low Energy, Net-Zero Power, and/or Plus Energy Generation. Our project team is comprised of Leadership in Energy and Environmental Design (LEED) Accredited, Professional Registered Architects and Engineers, integrate sustainable design practices to optimize the use of a project site's available natural assets to maximize energy efficiency, reduce cost of operation and environmental impact of new developments.

Sustainable Design / Engineering Services:	Sustainable Energy Engineering Services:
• Feasibility Studies / Site Planning • Design Concept Studies / Renderings • Sustainable Material Assessments • LEED Certification Assessments • Architectural Design and Engineering • Construction Drawings / Specifications • Construction Management • Value Engineering • Commissioning	• Energy Audits / Master Planning • On-Site Renewable Low Energy - Net-Zero - Plus Energy Generation Studies (Solar, Wind, Hydropower, Geothermal) • Incentive & Rebate Funding Assessments • Design / Engineering / Permits • Construction / Installation • Commissioning • Operation & Maintenance
Professional Administrative Services:	
Contract Administration / Program - Project Management / Procurement Management	

Solar Power / Solar Thermal Systems



Building Integrated Photovoltaic (BIPV) Systems / EV Charge Stations



E2SOL Professional Affiliations:

COMPANY CONTACT INFORMATION:
Anthony Baro, Managing Principal
401-489-2273 / abaro@e2sol.com

Project Team – E2SOL

Anthony Baro

Residence: 1090 Hope Street, Bristol, Rhode Island 02809
Business: Westminster Square, 10 Dorrance Street, Suite 700, Providence, Rhode Island 02903

- **Master in Business Administration - General Management**, Nova Southeastern University
- **Master Certificate in Government Contracting**, George Washington University
- **Bachelor of Science - Mechanical Engineering**, Roger Williams University

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DEVELOPER / PROGRAM MANAGEMENT PROFESSIONAL – 25+ Years Experience

Founder & Managing Principal - E2SOL LLC (Efficient Energy Solutions), Providence, R.I. 2010 to Present
E2SOL is Renewable Energy General Contracting firm dedicated to developing Energy Efficient and Sustainable Renewable Energy Projects for Commercial and Industrial customers.

- Dighton Massachusetts Solar Farm – 2MW DG (in Affiliation with EIB Partners)
- Uxbridge Massachusetts Solar Farm - 500 kW DG (in Affiliation with Bella Energy)
- Conanicut Marine Services, Jamestown RI - 128 kW Solar DG and Net Meter Facility
- Safeway Auto Sales, Bristol RI – 50 kW Community Wind Turbine Net Meter Facility
- Daniele Inc., Burrillville RI – 43 kW Dual Axis Solar Tracker Net Meter Facility
- Other smaller projects involving Solar Thermal, Micro-Hydropower, and Residential Solar Installations

Prior Experience Included:

- Program Manager & Subject Matter Expert - RAYTHEON COMPANY, Portsmouth, R.I.
- Program Manager – Military Tactical Land Navigation Products - KVH INDUSTRIES, Middletown, R.I.
- Product Line Manager – TYCO (SENSORMATIC ELECTRONICS CORPORATION), Boca Raton-Fla.
- Senior Mechanical Engineer - Lockheed Martin (Sippican Inc.), Marion MA

Awarded Patents: Tamperproof Alarming Tag for Electronic Article Surveillance Systems
US Patent #5,367,289.

Provisional Patents: Low Profile Marine Vertical Axis Wind Generator, Closed Loop Hydronic Power Generator System and an Electric Motor Power Co-generator.

PROFESSIONAL AFFILIATIONS

E2SOL
Efficient Energy Solutions

Kenneth J. Eldridge, Jr., PE
Senior Project Engineer

Project Responsibility

Mr. Eldridge is responsible for the design of HVAC and plumbing related tasks and will act as Project Manager.

Relevant Experience

Mr. Eldridge has been working in the field of mechanical engineering for building's mechanical systems since 1987. A graduate of The University of New Haven (BSME, 1988) in West Haven, CT, his entire professional career has been devoted to the design, implementation, construction and remediation of industrial process piping, HVAC, plumbing and fire protection equipment and systems. He has professionally engaged in all facets of the industry, including: Commercial, Industrial, Municipal, Museums, Libraries and Archives. Relevant experience includes:

- Design and Project management for over 50 facility assessments and equipment upgrades for Teachers College in Manhattan, a graduate college affiliated with Columbia University, including efficiency upgrades related to the central boiler-chiller plant, fuel distribution, steam distribution, energy recovery efforts, chilled water efficiency/distribution consolidation efforts, and more.
- Fuel Cell Design & Integration for Coca-Cola Distribution-Bottling Plant; East Hartford, CT; St. Francis Hospital, Hartford, CT; PriceChopper, Colonie, NY.
- HVAC, plumbing and fire protection design at the Heard Museum North Gallery in Scottsdale, AZ, and plumbing/fire protection systems upgrades at Heard Museum main campus, Phoenix, AZ.
- LEED Certified design efforts for Neighborhood Housing Services, New Haven, CT; Helen Drake Memorial Senior Center, Phoenix, AZ; ASU Student Engagement Center, Phoenix, AZ; Moran Shipping, Providence, RI; and more.
- Geo-exchange well design, metallurgical consultation and coordination plan efforts for many projects, including Atkins Apartments, Roxbury, MA; Moran Shipping, Providence, MA; Stillwater Mill, Burrillville, RI; Jedwards Corp., Braintree, MA; and Cranston Stadium, Cranston, RI (current).
- Industrial piping system design and HVAC for various clients including Pfizer, GE Plastics, Merck, Proctor & Gamble, Wyeth-Ayerst, and many others.
- HVAC, plumbing and fire suppression design for various projects within the National Park Service and The National Trust for Historic Preservation.
- Wesleyan University district steam distribution system improvements and Olin Library climate-control upgrades.
- HVAC and plumbing system designs for various Military facilities at the Naval Undersea Warfare Centers in Groton, CT and Newport, RI.

Professional Registrations

Registered Professional Engineer, State of Connecticut (License No. 20940)
Registered Professional Engineer, Commonwealth of Massachusetts (47421)
Registered Professional Engineer, State of Rhode Island (License No. 8994)
Registered Professional Engineer, State of New York (086458-1)

Professional Societies

American Society of Plumbing Engineers (ASPE), 2009-present
American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), 1996-present

Syncarpha References

Project Name	Size (kW DC)	City	State	Commercial Operation	Type of Installation	Customer	Customer Email	Customer Address	Customer Phone Number	Off Taker Type
Jets	683	Florham Park	NJ	Sep-10	Roof-Mounted System	New York Jets, LLC	mlebet@jets.nfl.com	New York Jets LLC One Jets Drive Florham Park, NJ 07932 Attention: Hymie Elhai	973-549-4800	Net Metered
Georgian Court University (GCU)	393	Lakewood	NJ	Jan-11	Ground- & Roof-Mounted System	Georgian Court University	elliotts@georgian.edu	Attn: Suzanne Elliott, RSM Georgian Court University 900 Lakewood Ave. Lakewood, NJ 08701	732-987-2262	Net Metered
Boscovs	963	Vineland	NJ	Sep-11	Roof-Mounted System	Boscov's Department Store	rmoyer@boscovs.com	V.P. Facilities Management & Maintenance Mount System Boscov's Department Sores, LLC 1700 Duke Street Laureldale, PA 19605	610-929-7311	Net Metered
Alethea I	3,000	Eastampton	NJ	Dec-11	Ground-Mounted System	Wholesale				Utility
University of Arizona	1,880	Tucson	AZ	Jan-12	Roof-Mounted System	The University of Arizona	rabanks@email.arizona.edu	Ralph Banks, P.E. P. Eng. CEM. LEED AP Director, Engineering, Design & Construction, Planning, Design & Construction University of Arizona	520-621-3326	Net Metered
The Richard Stockton College of New Jersey	905	Galloway	NJ	Aug-12	Carport Mounted System	The Richard Stockton College of New Jersey	joseph.darby@stockton.edu	Joseph P Darby, Jr. Project Manager, Office of Facilities the Richard Stockton College of New Jersey 101 Vera King Farris Drive Pomona, NJ 08205	609-652-4880	Net Metered
Dartmouth	5,996	Dartmouth	MA	Mar-14	Ground-Mounted System	Town of Carver; Silver Lake School District	chealy@slrs.org	Silver Lake Regional School District, 250 Pembroke Street, Kingston, MA 02364	781-582-3519	Net Metered
Leominster Industrial	2,500	Leominster	MA	Apr-15	Ground-Mounted System	Town of Leominster and Hoosac Water District	dhanna@leominster-ma.gov	David Hanna Energy Efficiency Manager 25 West Street Leominster, MA 01453	978-534-7525	Net Metered
North Adams Landfill	3,560	North Adams	MA	Sep-15	**Landfill System**	City of North Adams	rvivori@northadams-ma.gov	Ross A. Vivori, Assessor 10 Main Street North Adams, MA 01247	413-662-3012	Net Metered
Palmer Airfield	5,999	Palmer	MA	Dec-15	**Brownfield System**	Worcester State University; Town of Leicester; Town of Spencer	bbussey@worcester.edu	Brenda Bussey, Director of Procurement and Accounts Payable, Worcester State University, 486 Chandler Street, A-327, Worcester, MA 02+03-2597	508-929-8455	Net Metered
Touro University	2,000	Henderson	NV	Feb-16	Ground-Mounted System	Touro University				Net Metered
Freetown	5,263	Freetown	MA	Nov-16	Ground-Mounted System	Town of Orleans; Town of Plympton; Town of Sharon; CVEEC; Martha's Vineyard Airport	jkelly@town.orleans.ma.us	John F. Kelly, Town Administrator, Town of Orleans, 19 School Road, Orleans, MA 02653	508-240-3700 x415	Net Metered
Whitehall	5,330	Whitehall	NY	Nov-16	Ground-Mounted System	Olympic Regional Development Authority	mike.goremountain.com	Mike Pratt, General Manager, Olympic Redevelopment Authority, 2634 Main street, Lake Placid, NY 12946	518.251.4800	Net Metered
Middleborough	1,750	Middleborough	MA	Nov-16	Ground-Mounted System	Middleborough Gas and Electric	ERappold@mged.com	Ed Rappold, Middleborough Gas and Electric, 32 S Main Street, Middleborough, MA 02346	774-260-7816	Utility
Total operational under Syncarpha ownership	**40,222**									
Chelmsford	2,200	Chelmsford	MA	Aug-15	Roof and Ground Mounted Systems	Chelmsford Housing Authority; Town of Tewksbury	pcohen@townofchelmsford.us	Paul E. Cohen, Town Manager 50 Billerica Road, Chelmsford, MA 01824	978-250-5201	Net Metered
Neisler	3,000	Shelby	NC	Aug-15	Ground-Mounted System	Duke Energy Carolinas	jerry.barton@duke-energy.com	Jerry B. Barton, Renewable Compliance and Origination P.O. Box 1090 Charlotte, NC 28201-1090	704-866-5124	Utility
Total operational and under Syncarpha management	**45,422**									
Bernards Landfill	3,600	Bernards	NJ	Sep-16	**Landfill System**	Wholesale				Utility
Scituate Landfill	3,000	Scituate	MA	Aug-13	**Landfill System**	Town of Scituate	abangert@town.scituate.ma.us	600 Chief Justice Cushing Highway, Scituate, MA 02206	781-545-8730	New Metered
Stow	2,500	Stow	MA	Oct-13	**Brownfield System**	Hudson Light and Power	bchoquette@hudsonlight.com	Brian R. Choquette Assistant General Manager Hudson Light & Power 49 Forest Avenue, Hudson, MA 01749	978-568-8736	Utility
Bolton Orchards	5,950	Bolton	MA	Dec-13	Ground-Mounted System	Town of Chelmsford	pcohen@townofchelmsford.us	Paul Cohen Chelmsford Town Manager 50 Billerica Road Chelmsford, MA 01824	978-250-5201	New Metered
Total Developed & Sold	**15,050**									
Total Developed & Operational	**60,472**									

In Construction:										
Bolton II	2,800	Bolton	MA	Dec-16	Ground-Mounted System	The Berkshire School, Bolton Orchards, Residential Customers				Community Solar
Palmer Landfill	4,998	Palmer	MA	Feb-17	**Landfill System**	Town of Andover; Town of Tewksbury				Net Metered
Hancock Shaker Village	7,500	Hancock	MA	Feb-17	Ground-Mounted System					Community Solar
Billerica	6,000	Billerica	MA	Jan-17	**Brownfield and Landfill**	Town of Tewksbury; Town of Lenox; City of Marlborough; Northern Berkshire Vocat; Spencer-E.Brookfield RSD				New Metered
Bushy Park	1,300	Goose Creek	SC	Jan-17	Ground-Mounted System	Cooper River Partners				Utility
Total in Construction	**22,598**									

Syncarpha Project Examples

Landfill and Brownfield Projects:

North Adams Landfill, MA **Project Location**: North Adams, MA **Project Size:** 3.56 MW DC, 2.47 MW AC **Construction Schedule:** January 2015 to September 2015 **Interconnection Utility**: National Grid **Energy Offtakers**: City of North Adams **Term:** 20 years	
Scituate Landfill, MA **Project Location**: Scituate, MA **Project Size:** 3.0 MW DC, 2.5 MW AC **Construction Schedule:** May 2013 to August 2013 **Interconnection Utility:** National Grid **Energy Offtakers**: Town of Scituate **Term:** 20 years	
Bernards Landfill, NJ **Project Location:** Bernards Township, NJ **Project Size:** 3.50 MW DC, 3.00 MW AC **Construction Schedule:** June 2015 to March 2016 **Interconnection Utility:** Jersey Central Power & Light **Energy Offtakers**: Wholesale	

Palmer Airfield – Brownfield, MA

Project Location: Palmer, MA
Project Size: 5.99 MW DC, 4.88 MW AC
Construction Schedule: April 2015 to December 2015
Interconnection Utility: National Grid
Energy Offtakers: Worcester State University, Town of Leicester, Town of Spencer
Term: 20 years

Palmer Landfill, MA

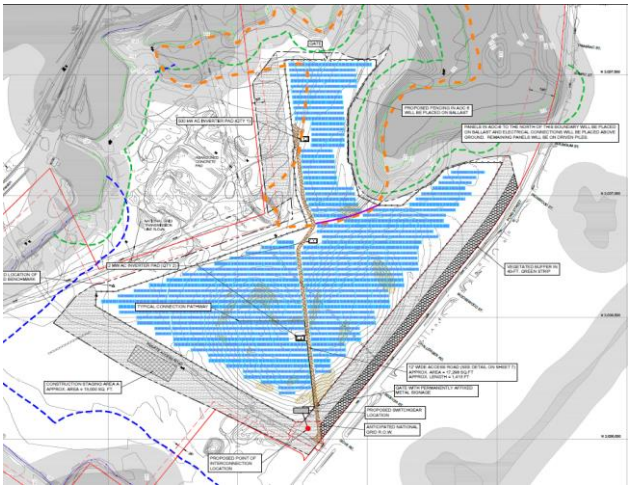
Project Location: Palmer, MA
Project Size: 5.02 MW DC, 3.93 MW AC
Status: Under Construction: Estimated Operation date: Q4 2016
Interconnection Utility: National Grid
Energy Offtakers: Town of Andover and Town of Tewksbury, MA
Term: 20 years

Under Construction

Billerica – Brownfield / Landfill, MA

Project Location: Billerica, MA
Project Size: 5.99 MW DC, 4.32 MW AC
Status: Under Construction: Estimated Operation date Q1 2017
Interconnection Utility: National Grid
Energy Offtakers: Town of Tewksbury, Town of Lenox, City of Marlborough, Northern Berkshire Vocat, Spencer-E Brookfield Regional School District

Under Construction



Other Projects:

New York Jets Practice Facility, NJ **Project Location:** Florham Park, NJ **Project Size:** 0.683 MW DC, 0.620 MW AC **Status:** Commercially Operational as of September 2010 **Interconnection Utility:** Jersey Central Power & Light **Energy Offtaker:** New York Jets	
Georgian Court University, NJ **Project Location:** Lakewood, NJ **Project Size:** 0.393 MW DC, 0.355 MW AC **Status:** Commercially Operational as of January 2011 **Interconnection Utility:** Jersey Central Power & Light **Energy Offtaker:** Georgian Court University	
Boscov's Department Store, NJ **Project Location:** Vineland, NJ **Project Size:** 0.963 MW DC, 0.855 MW AC **Status:** Commercialyl Operational as of September 2011 **Interconnection Utility:** Vineland Municipal Electric Utility **Energy Offtaker:** Boscov's Department Store	

Eastampton, NJ **Project Location**: Eastampton, NJ **Project Size:** 3.0 MW DC, 2.8 MW AC **Status:** Commercially Operational as of December 2011 **Interconnection Utility:** Jersey Central Power & Light	
University of Arizona **Project Location:** Tucson, AZ **Project Size:** 1.88 MW DC, 1.50 MW AC **Status:** Commercially Operational as of January 2012 **Interconnection Utility:** Tucson Electric Power **Energy Offtaker:** University of Arizona	
Stockton University **Project Location:** Galloway, NJ **Project Size:** 0.905 MW DC, 0.700 MW AC **Status:** Commercially Operational as of August 2012 **Interconnection Utility:** Atlantic City Electric **Energy Offtaker**: Stockton University	

Stow, MA **Project Location:** Stow, MA **Project Size:** 2.50 MW DC, 2.0 MW AC **Construction Schedule:** May 2013 to August 2013 **Interconnection Utility:** Hudson Light & Power **Energy Offtakers**: Hudson Light & Power **Term:** 20 years	
Bolton Phase I, MA **Project Location:** Bolton, MA **Project Size:** 5.95 MW DC, 4.95 MW AC **Construction Schedule:** July 2013 to November 2013 **Interconnection Utility:** National Grid **Energy Offtaker**: Town of Chelmsford, MA **Term:** 20 years	
Dartmouth, MA **Project Location:** Dartmouth, MA **Project Size:** 5.996 MW DC, 4.560 MW AC **Construction Schedule:** December 2013 to March 2014 **Interconnection Utility:** NStar **Energy Offtakers**: Town of Carver, MA and Silver Lake Regional School District **Term:** 20 years	

Leominster Industrial **Project Location**: Leominster, MA **Project Size:** 2.50 MW DC, 2.0 MW AC **Construction Schedule:** November 2014 to April 2015 **Interconnection Utility**: National Grid **Energy Offtakers**: Town of Leominster & Hoosac Water District **Term:** 20 years	
Touro University, NV **Project Location**: Henderson, NV **Project Size:** 2.00 MW DC, 1.63 MW AC **Status:** Commercial Operational as of February 2016 **Interconnection Utility**: NV Energy **Energy Offtaker**: Touro University **Term:** 25 years	
Freetown **Project Location:** Freetown, MA **Project Size:** 5,260 kW DC **Status:** Commercial Operational Nov. 2016. **Interconnection Utility:** Eversource **Energy Offtakers:** The Towns of Sharon, Orleans, and Plymton **Term:** 20 years	

Whitehall **Project Location:** Whitehall, NY **Project Size:** 5,300 kW DC **Status:** Commercial Operational Nov. 2016 **Interconnection Utility:** National Grid **Energy Offtakers:** New York State's Regional Development Authority **Term:** 25 years	
Middleborough **Project Location:** Middleborough, MA **Project Size**: 1,700 kW DC **Status:** Commercial Operational Nov. 2016 **Interconnection Utility:** Middleborough Gas and Electric Department **Energy Offtakers:** Middleborough Gas and Electric Department **Term:** 25 years	

Other Projects Currently Under Construction:

Bolton II (Community Shared Solar) **Project Location:** Bolton, MA **Project Size:** 2.80 MW DC, 2.0 MW AC **Status:** Under Construction: Estimated Operation date Nov. 2016 **Interconnection Utility:** National Grid **Energy Offtakers:** The Berkshire School, Bolton Orchards, and Residential. **Term:** 20 years	
Hancock Solar (Community Shared Solar) **Project Location:** Pittsfield and Hancock, MA **Project Size:** 7.50 MW DC, 3.76 MW AC **Status:** Under Construction: Estimated Operation date Q1 2017 **Interconnection Utility:** WMECO **Energy Offtakers:** TBD **Term:** TBD	

E2SOL Project Examples and Details

- Dighton Massachusetts Solar Farm – 2MW (in Affiliation with EIB Partners)
- Uxbridge Massachusetts Solar Farm – 500 kW (in Affiliation with Bella Energy)
- Conanicut Marine Services, Jamestown RI – 130 kW Solar DG facility
- Burlingame State Park in Charlestown, RI – 74.5 kW Solar Net Metered - 3 sites
- Safeway Auto Sales, Bristol RI – 50 kW Community Scale Wind Turbine
- Daniele Inc., Burrillville RI – 43 kW Solar Tracker Net Metered
- Lafayette Fish Hatchery in North Kingstown, RI – 20.4 kW Solar Net Metered
- Other smaller projects involving Solar Thermal, Micro-Hydropower, and Residential Solar Installations

E2SOL Selected Project Details:

Conanicut Marine – Jamestown RI

Project Features:

- Reroofed (2) 50 X 210 frt Storage Buildings with Steel Standing Seam Roof Panels
- Designed, Installed, and Commissioned 128 kW Solar Facility
- Secured 15-year Distributed Generation Power Purchase Contract with National Grid
- Facility provides 100% power offset for entire 10 acre site + sells 75% excess to Utility
- Facility received RI Clean Marina Award from RI Coastal Resources Management Council

Reference: William Munger, President – 401-423-1556

Knight Farm – North Scituate RI

Project Features:

- Facilitated Commerce RI Renewable Energy Fund Grant and US Department of Agriculture Energy Program Grant incentives
- Designed, Installed, and Commissioned 67 kW Solar Facility (20kW Roof Mount + 47 kW Ground Mount) for 100% New Zero energy sue
- Facilitated New Metering Interconnection with National Grid

Reference: Joseph Iaciofano, Owner – 401-349-4408

Daniele Inc. – Burrillville RI

Project Features:

- Designed, Installed and Commissioned 43 kW Dual Axis Solar Facility in new $70M Food Manufacturing state of the art facility.
- Facilitated CommerceRI Renewable Energy Fund Grant Incentive.

Reference: Richard St. Pierre, CFO – 401-568-6228

Project Description – Bristol

Project Name: Bristol Landfill Solar
Location: Minturn Farm Road, Bristol, Rhode Island
Project size: 5,000 kWdc
Estimated Year One Annual Production: 6.82 million kWh

System Components

As a long-term solar facility owner, Syncarpha believes in designing its systems with components that will produce the greatest amount of operating uptime because, ultimately, uptime dictates the reliability and output of a solar facility. The following design of the proposed Landfill solar project is based upon a review of the documents provided during the bidding process, the information provided during our site visit, and our general experience from constructing similar large ground-mounted solar projects on landfills. Given the proposed system layouts, there will be enough room around the perimeters of the sites for staging areas during construction.

Syncarpha's lead engineer (NABCEP Certified), Hans Castro, created the System layouts with a combination of installed equipment using Trina Solar modules and Sungrow string inverters. Syncarpha has extensive experience using this equipment in its other projects and is confident in their performance.

All equipment will be either listed with Underwriter's Laboratories ("UL") or tested to the UL standard and be in conformance with the National Electric Code.

Module & Inverter Warranties

The modules have a comprehensive 10-year warranty to be free from defects in design, material, workmanship or manufacture that materially impede their functioning, and will conform to the specifications and the drawings applicable, and a 25-year power output warranty. The inverters have a ten-year manufacturer's warranty. The racking system will have a 20-year warranty. Please note that the operations and maintenance of the projects are the responsibility of Syncarpha and that Syncarpha's only revenue comes from successful system performance over the term of the agreement, regardless of component warranties. After the workmanship and equipment warranties are expired, Syncarpha will pay for repairs and replacements immediately if component failures occur. Specification sheets of the modules and inverters that will be used are attached in **Exhibit A.**

Statement of Landfill Solar Development

Syncarpha's specialty is ground mount solar installations on landfills and we can provide the most value on these types of installation. Our offer includes a solar system solely on the landfill and does not include any of the Bristol rooftops. The Town of Bristol has a luxury that most other towns don't with a landfill that is highly suitable for solar development. In addition, the land on top of the landfill is limited in terms of other usable options so optimizing it to produce green energy for the benefit of the Town and the planet is an excellent solution.

Additionally, constructing a single solar system on the landfill provides the most economic benefit to the Town while minimizing risk. Just a few of the risks and costs associated with rooftop solar projects include; roof penetrations that may lead to leaks and require repair, multiple costly electrical interconnection points, and other

fixed per site costs. While a ballasted rooftop design is possible, the rooftop must be large, new and flat to be economically efficient for solar. Based on Syncarpha's experience, a single solar system on the landfill that offsets all of Bristol's electricity use will be the most financially beneficial and technically feasible solution for Bristol.

Statement of Ballasted Design

The solar system will have a non-penetrating, ballasted design due to the fact that the system will sit atop the landfill. Please see Palmer Landfill in "Project Examples: Projects Under Construction" above for reference of a similarly constructed system. All of Syncarpha's solar projects constructed on landfill caps are ballasted.

Statements of Pricing Considerations

Permitting: Syncarpha acknowledges that we will be responsible for all federal, state, and local permits required for this project and has considered the cost of obtaining these permits in this proposal.

Feasibility Study and Interconnection: Syncarpha acknowledges that we will be responsible for acquiring a new Feasibility Study for the Bristol landfill. We have allotted $30,000 for interconnection studies and $250,000 for interconnection costs at the landfill site. Based on the previous Feasibility Study completed in July 2012, we believe that the prices we estimated for both these aspects of solar system construction provide a buffer for increases in inflation over the last 4 years, increases in interconnection prices with the utility and increases in interconnection prices due to the increased size of the proposed system. If the Study and interconnection cost for the proposed system exceed what we have accounted for, the Town of Bristol's lease payment will be adjusted accordingly.

Post Contract Site Closure Decommissioning and Surety: Syncarpha acknowledges if chosen and upon completion of the contract term, we are responsible to remove all equipment materials, utilities, cabling, etc. and will return the site to a condition equal to or better than the condition of the site prior to solar PV construction. Syncarpha has allotted a total of $30,000 for decommissioning and restoration costs in this proposal and has factored this amount into the economics of the proposed solar system. Syncarpha can post this $30,000 in the form of cash into an account to be reserved for decommissioning costs. Should the Town require greater decommissioning assurance, the lease payment to the Town will be adjusted proportionately.

Prevailing Wages: Syncarpha acknowledges that the Town of Bristol does not intend to purchase the system and therefore the "Prevailing Wage Laws" do not apply.

Taxes: Syncarpha has assumed the proposed solar projects are exempt from property and real taxes in its bid. Syncarpha considers these payments to be bundled with the lease payment, since all payments would be paid to each respective Town. If the Towns prefer separate payments for taxes, the lease payment offered will be lowered by the amount to be paid for the taxes. Said differently, Syncarpha can provide the Town whatever combination of taxes and lease payment the Town prefers.

Statement of Reliability

Syncarpha has never missed a contract deadline for a PPA Agreement or Lease Agreement. Syncarpha has completed over 60 MW of solar projects including projects on landfills, rooftops, car-ports and ground mounted systems. Syncarpha and its affiliates have never missed a construction, completion or operational deadline.

Termination and Buyout Option

Bristol: Termination and Buy Out Schedule			
	Year 7	**Year 10**	**Year 15**
Option A: PPA Fixed Price	$ 6,282,329.56	$ 5,357,984.03	$ 3,193,671.61
Option B: PPA Discount	$ 5,605,723.98	$ 4,640,696.75	$ 2,647,580.21
Option C: REG	$5,349,225.52	$4,361,462.47	$2,443,460.10

Acknowledgement of Addenda

We have taken into consideration Addendum 1, Addendum 2, Addendum 3, Addendum 4, Addendum 5, and Addendum 6 while producing this proposal.

Project Description – Barrington

Project Name: Barrington Rooftop Solar
Locations: 400 Nayatt Road, 60 Middle Highway, and 364 Sowams Road, Barrington, Rhode Island
Project size: 618 kWdc
Estimated Year One Annual Production: 782,000 kWh

System Components

As a long-term solar facility owner, Syncarpha believes in designing its systems with components that will produce the greatest amount of operating uptime because, ultimately, uptime dictates the reliability and output of a solar facility. The following designs of the three rooftop solar projects are based upon a review of the documents provided during the bidding process, the information provided during our site visit, and our general experience from constructing similar rooftop projects.

Syncarpha's lead engineer (NABCEP Certified), Hans Castro, created the System layouts with a combination of installed equipment using Trina Solar or equivalent modules and Sungrow string inverters. Syncarpha has extensive experience using this equipment in its other projects and is confident in their performance.

All equipment will be either listed with Underwriter's Laboratories ("UL") or tested to the UL standard and be in conformance with the National Electric Code.

Module & Inverter Warranties

The modules have a comprehensive 10-year warranty to be free from defects in design, material, workmanship or manufacture that materially impede their functioning, and will conform to the specifications and the drawings applicable, and a 25-year power output warranty. The inverters have a ten-year manufacturer's warranty. The racking system will have a 20-year warranty. Please note that the operations and maintenance of the projects are the responsibility of Syncarpha and that Syncarpha's only revenue comes from successful system performance over the term of the agreement, regardless of component warranties. After the workmanship and equipment warranties are expired, Syncarpha will pay for repairs and replacements immediately if component failures occur. Specification sheets of the modules and inverters that will be used are attached in Exhibit A.

Statement of Ballasted Design

The solar systems will each have a ballasted, non-penetrating design. Syncarpha chose the three rooftops that we did because the roofs are relatively new, flat and suitable for a ballasted support structure. Please see "Boscov's Department Store in Project Examples: Other Projects", as well as our other rooftop systems for examples of our non-penetrating rooftop solar systems. All of Syncarpha's solar projects constructed on rooftops are ballasted and/or non-penetrating because the lack of penetrations greatly reduces the risk of damage and leaks.

Statements of Pricing Considerations

Permitting: Syncarpha acknowledges that we will be responsible for all federal, state, and local permits required for this project and has considered the cost of obtaining these permits in this proposal.

Feasibility Study and Interconnection: Syncarpha has allotted $30,000 for interconnection studies for all the rooftops and $25,000 for interconnection costs at each rooftop site, $75,000 in total. Syncarpha has estimated this amount because the system sizes are small and their impact on the electrical grid and additional load on the present lines will be minimal. If the Study and interconnection cost for the proposed system exceed what we have accounted for, the Town of Barrington's lease payment will be adjusted accordingly.

Post Contract Site Closure Decommissioning and Surety: Syncarpha acknowledges if chosen and upon completion of the contract term, we are responsible to remove all equipment materials, utilities, cabling, etc. and will return the site to a condition equal to or better than the condition of the site prior to solar PV construction. Syncarpha has allotted a total of $30,000 for decommissioning and restoration costs in this proposal and has factored this amount into the economics of the proposed solar system. Syncarpha can post this $30,000 in the form of cash into an account to be reserved for decommissioning costs. Should the town require greater decommissioning assurance, the lease payment to the Town will be adjusted accordingly.

Prevailing Wages: Syncarpha acknowledges that if chosen, we will comply with the "Prevailing Wage Laws" and have considered this into the economics of the proposed solar system. In addition, our team will submit weekly payroll forms to the Treasurer's Office.

Taxes: Syncarpha has assumed the proposed solar projects are exempt from property and real taxes in its bid. Syncarpha considers these payments to be bundled with the lease payment, since all payments would be paid to each respective Town. If the Towns prefer separate payments for taxes, the lease payment offered will be lowered by the amount to be paid for the taxes. Said differently, Syncarpha can provide the Town whatever combination of taxes and lease payment the Town prefers.

Statement of Reliability

Syncarpha has never missed a contract deadline for a PPA Agreement or Lease Agreement. Syncarpha has completed over 60 MW of solar projects including projects on landfills, rooftops, car-ports and ground mounted systems. Syncarpha and its affiliates have never missed a construction, completion or operational deadline.

Termination and Buyout Option

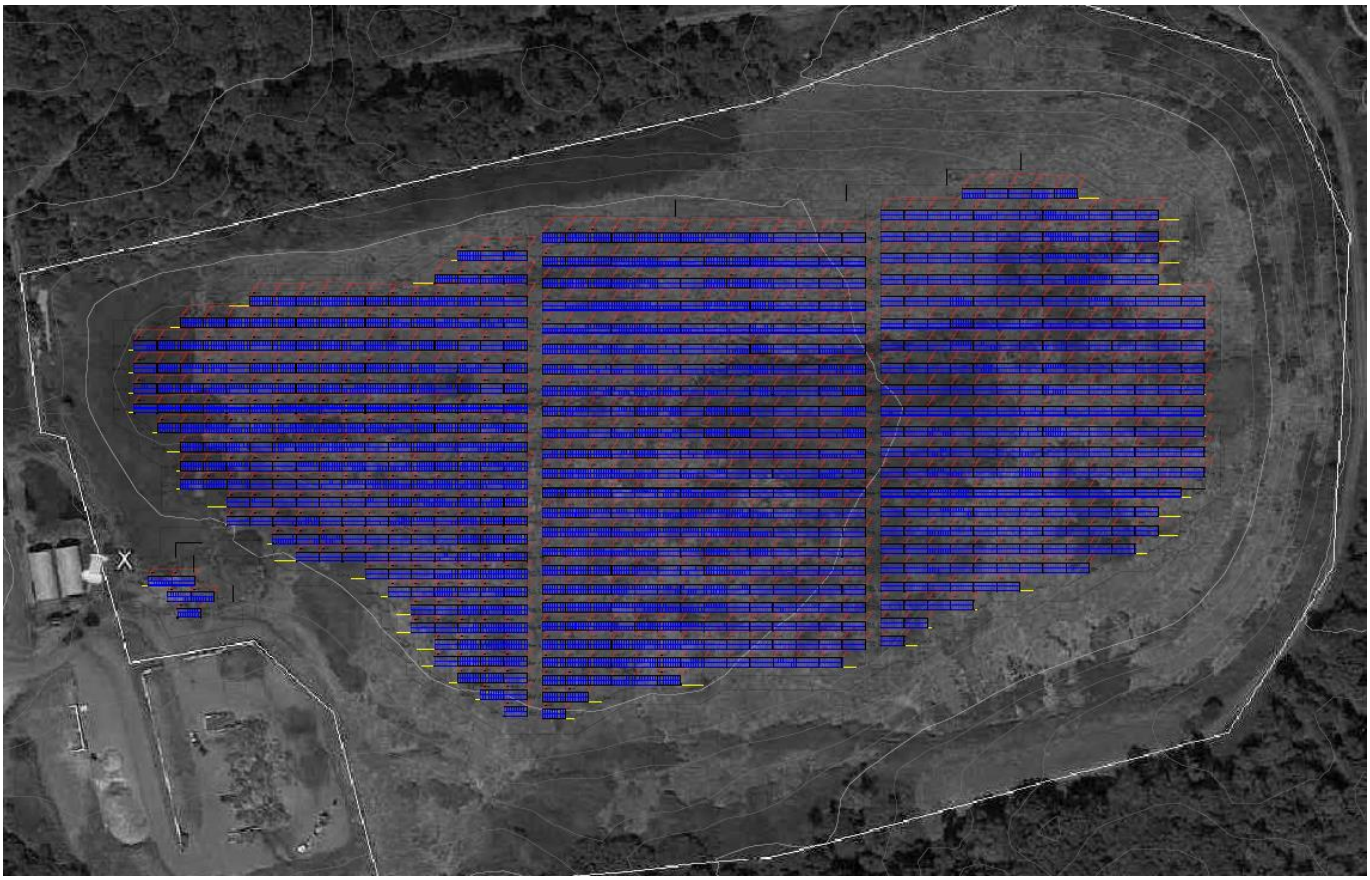
Barrington: Termination and Buy Out Schedule			
	Year 7	**Year 10**	**Year 15**
Option A: Barrington REG Program	$ 1,002,488.02	$ 819,994.20	$ 465,533.61
Option B: Barrington REG Program + Bristol PPA - Fixed Price	$ 1,002,488.02	$ 819,994.20	$ 465,533.61
Option C: Barrington REG Program + Bristol PPA - Discount to Market	$ 1,002,488.02	$ 819,994.20	$ 465,533.61

Acknowledgement of Addenda

We have taken into consideration Addendum 1, Addendum 2, Addendum 3, Addendum 4, Addendum 5, and Addendum 6 while producing this proposal.

Conceptual System Layout – Bristol

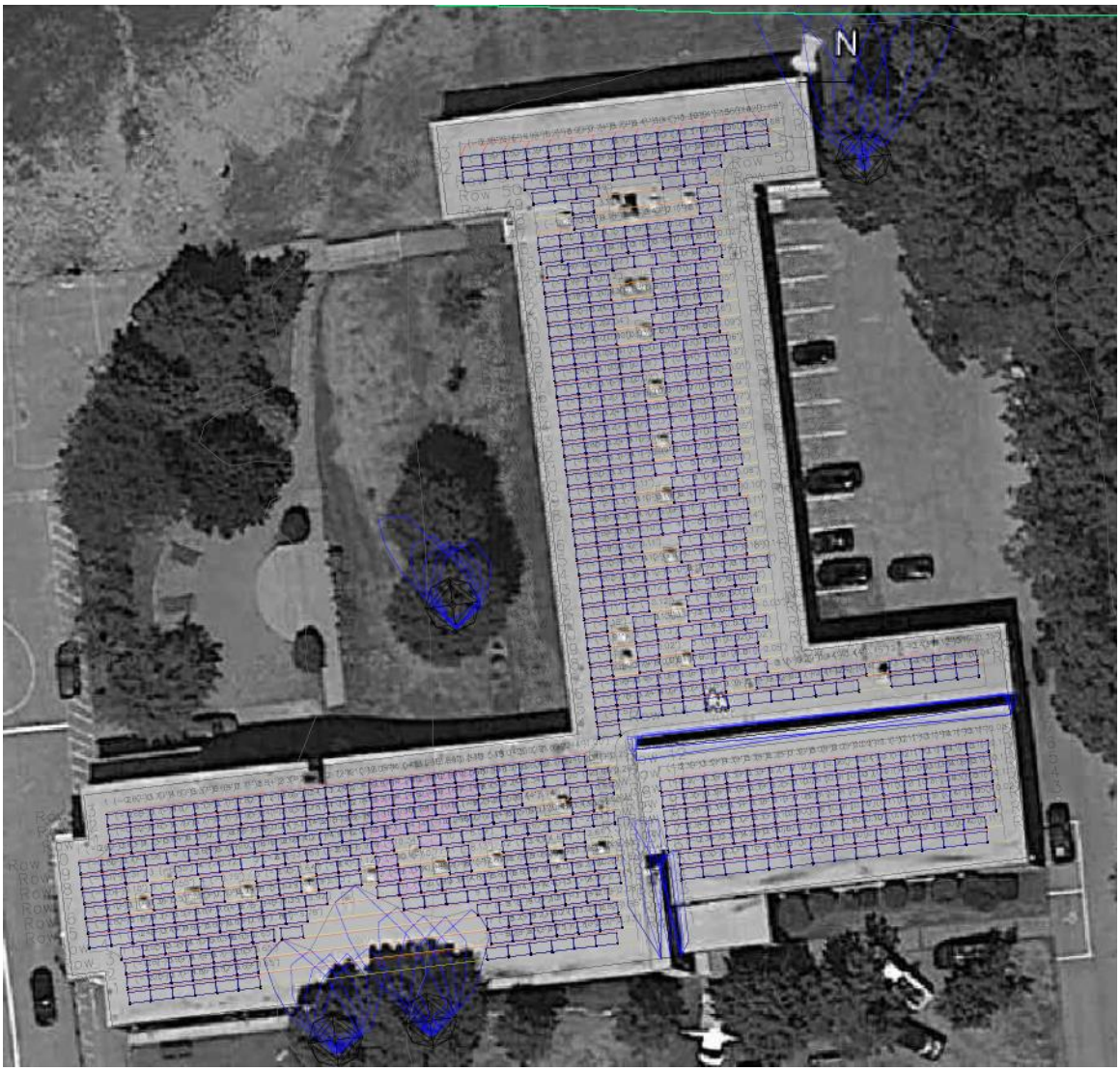
This layout is provided as a preliminary guide for module locations. Final layouts and designs will be determined through collaborative discussion with the Town of Bristol and their consultants.



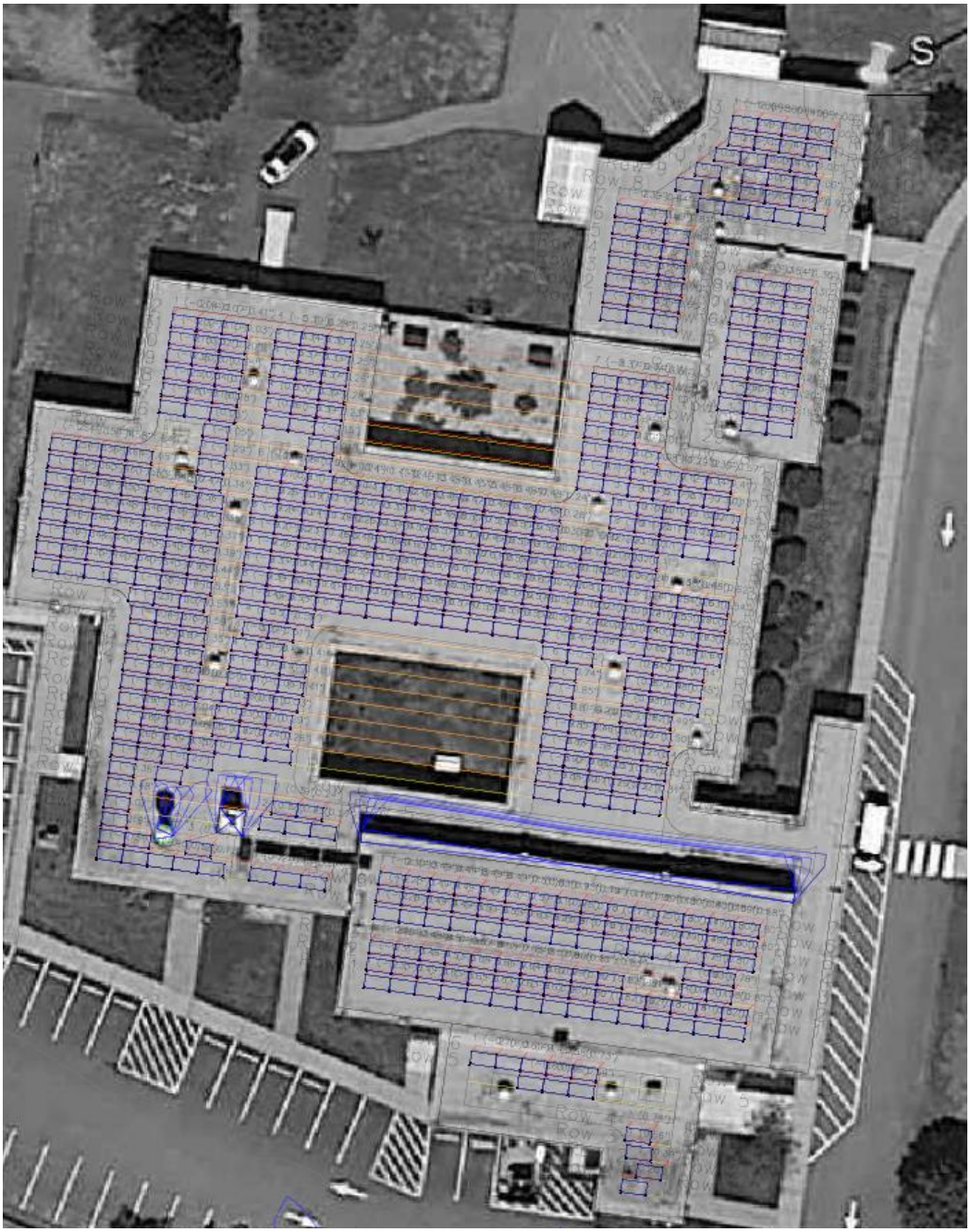
Town of Bristol Landfill – 5,000 kW

Conceptual System Layout – Barrington

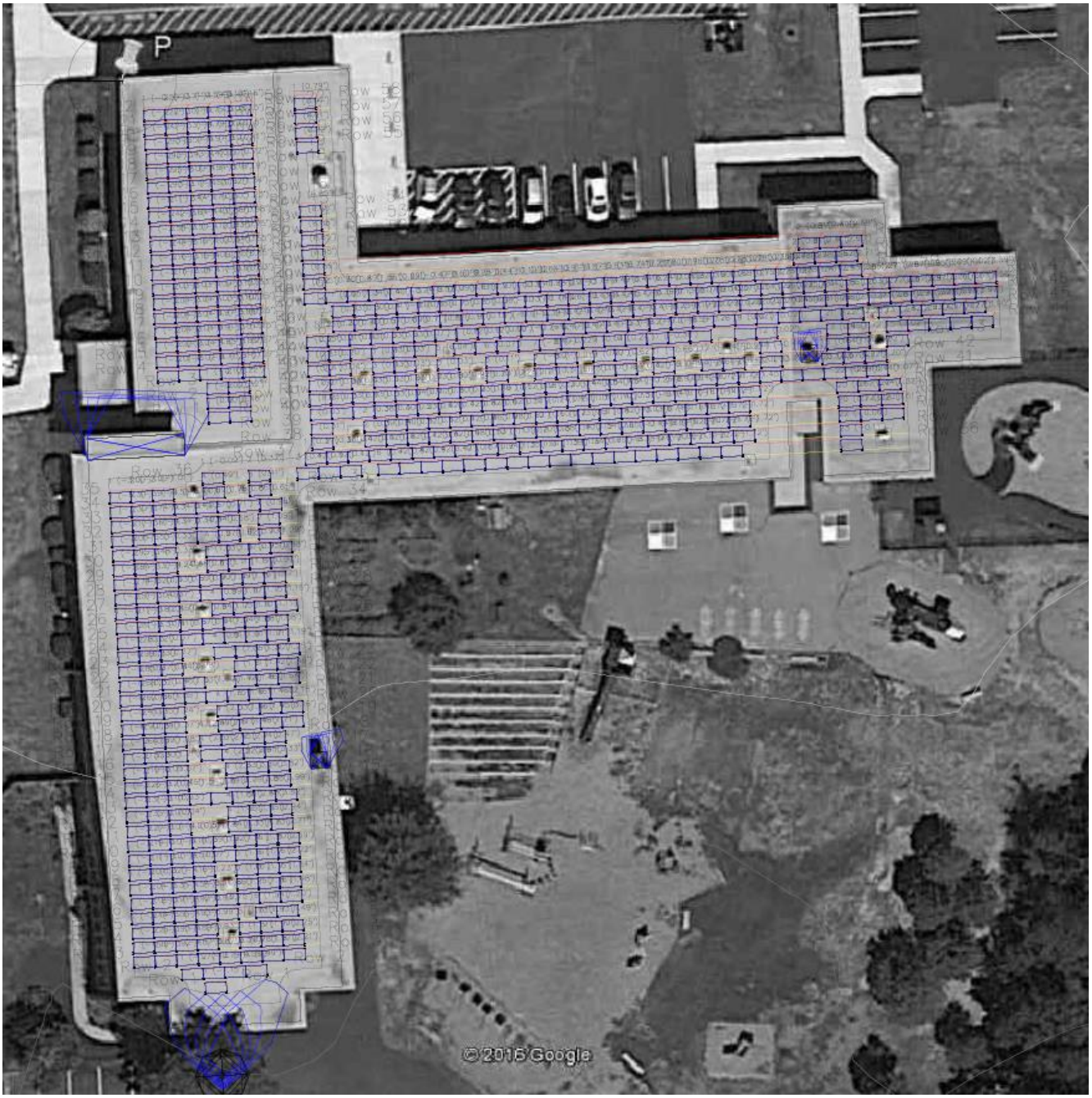
These layouts are provided as preliminary guides for module locations. Final layouts and designs will be determined through collaborative discussion with the Town of Barrington and their consultants.



Nayatt Elementary – 208 kW



Sowams Elementary – 184 kW



Primrose Hill – 226 kW

Summary of Projected Savings

Summary of Projected Savings		
	Projected Savings Year 1	**Projected Savings Over 20 years**
Bristol		
Option A: PPA - Fixed Price & Lease	$ 261,171.77	$ 4,697,844.43
Option B: PPA - Discount to Market & Lease	$ 172,245.04	$ 3,792,664.23
Option C: REG Program & Lease	$ 150,000.00	$ 3,302,850.60
Barrington		
Option A: Barrington REG Program & Lease	$ 33,000.00	$ 770,665.00
Option B: Barrington REG Program + Bristol PPA - Fixed Price & Lease	$ 137,361.00	$ 2,247,606.00
Option C: Barrington REG Program + Bristol PPA - Discount to Market & Lease	$ 88,467.00	$ 1,789,715.00

Attachment A: Bid Form

TOWN OF BRISTOL and TOWN OF BARRINGTON, RI

INVITATION FOR RFQ/RFP
BID #850
PUBLIC-PRIVATE PARTNERSHIP FOR ON-SITE SOLAR PROJECTS

Attachment A
Town of Bristol

BID FORM

NAME AND ADDRESS OF BIDDING FIRM:

Syncarpha Capital, LLC

250 West 57th Street

NY, New York 10107

I herein agree to abide by all requirements as detailed in the "Invitation for Bid #850".

Signature: 

Printed Name & Title: Cliff Chapman, Managing Member

Date: 11-07-2016

Solar PPA:

Under the renewable energy Power Purchase Agreement ("PPA") deal structure, Syncarpha' has provided two (2) separate offer structures to the Town of Bristol, a fixed price PPA and a discount PPA. These offers include assumptions for our engineer's work and a predetermined decommissioning amount as described earlier in this proposal. The lease payment provided to the Town or the PPA price the Town receives may be slightly altered if the Town or the State requires additional engineering or decommissioning.

Syncarpha optimized the Bristol Landfill to use as much land at the landfill as possible to maximize the lease payment to the town. Bristol's annual electrical load can be entirely offset from the landfill solar system credit production. Therefore, additional solar systems on the available rooftops in the Town will not be needed to offset the Town of Bristol's electric demand. Construction exclusively on the landfill minimizes construction and interconnection costs and maximizes the Town's savings.

Syncarpha's experience is that Towns typically prefer the discount PPA pricing structure because this pricing structure provides a consistent discount to the Town.

A fixed price PPA structure is also offered. In this fixed price option, the Town's savings vary with the utility's electricity rate changes.

Syncarpha is open to either of the two deal structures. It is entirely up to the Town if they prefer the fixed price PPA or the discount PPA.

Option A is a $0.105 / kWh Fixed price PPA with a 2% escalator and a $75,000 ($15,000/MWdc) annual lease payment with a 1% escalator.

Option A: Bristol Solar Power Purchase Agreement - Fixed Price (5,000 kW)							
Year	PPA Price - Fixed (with 2% escalator) ($/kWh)	Current C-06 NMC Rate (with 1% escalator) ($/kWh)	Landfill Solar Project Estimated Production (kWh)	Bristol's Estimated Utility Bill (with 1% escalator)[1]	Projected Utility Bill Savings	Lease Payment (with 1% escalator)	**Total Estimated Annual Economic Benefit**
1	$ 0.105	$ 0.147	6,821,100	$ 648,300	$ 186,172	$ 75,000	**$ 261,172**
2	$ 0.107	$ 0.149	6,786,995	$ 654,783	$ 183,412	$ 75,750	**$ 259,162**
3	$ 0.109	$ 0.150	6,753,060	$ 661,331	$ 180,533	$ 76,508	**$ 257,040**
4	$ 0.111	$ 0.152	6,719,294	$ 667,944	$ 177,530	$ 77,273	**$ 254,803**
5	$ 0.114	$ 0.153	6,685,698	$ 674,624	$ 174,401	$ 78,045	**$ 252,446**
6	$ 0.116	$ 0.155	6,652,269	$ 681,370	$ 171,143	$ 78,826	**$ 249,969**
7	$ 0.118	$ 0.156	6,619,008	$ 688,184	$ 167,752	$ 79,614	**$ 247,366**
8	$ 0.121	$ 0.158	6,585,913	$ 695,066	$ 164,225	$ 80,410	**$ 244,635**
9	$ 0.123	$ 0.160	6,552,983	$ 702,016	$ 160,559	$ 81,214	**$ 241,773**
10	$ 0.125	$ 0.161	6,520,218	$ 709,036	$ 156,750	$ 82,026	**$ 238,777**
11	$ 0.128	$ 0.163	6,487,617	$ 716,127	$ 152,795	$ 82,847	**$ 235,641**
12	$ 0.131	$ 0.164	6,455,179	$ 723,288	$ 148,689	$ 83,675	**$ 232,365**
13	$ 0.133	$ 0.166	6,422,903	$ 730,521	$ 144,430	$ 84,512	**$ 228,942**
14	$ 0.136	$ 0.168	6,390,789	$ 737,826	$ 140,014	$ 85,357	**$ 225,371**
15	$ 0.139	$ 0.169	6,358,835	$ 745,204	$ 135,436	$ 86,211	**$ 221,646**
16	$ 0.141	$ 0.171	6,327,041	$ 752,656	$ 130,692	$ 87,073	**$ 217,765**
17	$ 0.144	$ 0.173	6,295,405	$ 760,183	$ 125,780	$ 87,943	**$ 213,723**
18	$ 0.147	$ 0.174	6,263,928	$ 767,785	$ 120,693	$ 88,823	**$ 209,516**
19	$ 0.150	$ 0.176	6,232,609	$ 775,463	$ 115,429	$ 89,711	**$ 205,140**
20	$ 0.153	$ 0.178	6,201,446	$ 783,217	$ 109,983	$ 90,608	**$ 200,592**
			Total	$ 14,274,926	$ 3,046,419	$ 1,651,425	**$ 4,697,844**

[1] Calculated with Barrington's average electricity price ($0.1432/kWh) and Bristol's load of 4,527,271 kWh per year.

Option B is a 15% Discount to Net Metering Credit Rate PPA and a $75,000 ($15,000/MWdc) annual lease payment with a 1% escalator.

Option B: Bristol Solar Power Purchase Agreement - Discount to Market (5,000 kW)						
Year	PPA Price - % Discount to NMC Rate[1]	Landfill Solar Project Estimated Production (kWh)	Bristol's Estimated Utility Bill (with 1% escalator)[2]	Projected Utility Bill Savings	Lease Payment (with 1% escalator)	**Total Estimated Annual Economic Benefit**
1	15%	6,821,100	$ 648,300	$ 97,245	$ 75,000	**$ 172,245**
2	15%	6,786,995	$ 654,783	$ 98,217	$ 75,750	**$ 173,967**
3	15%	6,753,060	$ 661,331	$ 99,200	$ 76,508	**$ 175,707**
4	15%	6,719,294	$ 667,944	$ 100,192	$ 77,273	**$ 177,464**
5	15%	6,685,698	$ 674,624	$ 101,194	$ 78,045	**$ 179,239**
6	15%	6,652,269	$ 681,370	$ 102,206	$ 78,826	**$ 181,031**
7	15%	6,619,008	$ 688,184	$ 103,228	$ 79,614	**$ 182,842**
8	15%	6,585,913	$ 695,066	$ 104,260	$ 80,410	**$ 184,670**
9	15%	6,552,983	$ 702,016	$ 105,302	$ 81,214	**$ 186,517**
10	15%	6,520,218	$ 709,036	$ 106,355	$ 82,026	**$ 188,382**
11	15%	6,487,617	$ 716,127	$ 107,419	$ 82,847	**$ 190,266**
12	15%	6,455,179	$ 723,288	$ 108,493	$ 83,675	**$ 192,168**
13	15%	6,422,903	$ 730,521	$ 109,578	$ 84,512	**$ 194,090**
14	15%	6,390,789	$ 737,826	$ 110,674	$ 85,357	**$ 196,031**
15	15%	6,358,835	$ 745,204	$ 111,781	$ 86,211	**$ 197,991**
16	15%	6,327,041	$ 752,656	$ 112,898	$ 87,073	**$ 199,971**
17	15%	6,295,405	$ 760,183	$ 114,027	$ 87,943	**$ 201,971**
18	15%	6,263,928	$ 767,785	$ 115,168	$ 88,823	**$ 203,991**
19	15%	6,232,609	$ 775,463	$ 116,319	$ 89,711	**$ 206,030**
20	15%	6,201,446	$ 783,217	$ 117,483	$ 90,608	**$ 208,091**
		Total	$ 14,274,926	$ 2,141,239	$ 1,651,425	**$ 3,792,664**

[1] The discount pricing structure will have a floor of $0.09/kWh.

[2] Calculated with Barrington's average electricity price ($0.1432/kWh) and Bristol's load of 4,527,271 per year.

REG Tariff Agreement:

Under Rhode Island's Renewable Energy Growth Program, Syncarpha will bid into National Grid's 20-year tariff system. Upon award, Syncarpha will offer the Town of Bristol a lease rate of $150,000 per year with a 1% escalator ($30,000/MWdc) for the land at the Bristol landfill. This offer assumes an REG clearing price of $0.14/kWh. This assumption is based on past years' ceiling prices and the resultant clearing prices.

Option C is a $150,000 ($30,000/MWdc) annual lease payment with a 1% escalator.

Option C: Bristol - REG Program	
Year	**Lease Payment (with 1% escalator)**
1	$ 150,000.00
2	$ 151,500.00
3	$ 153,015.00
4	$ 154,545.15
5	$ 156,090.60
6	$ 157,651.51
7	$ 159,228.02
8	$ 160,820.30
9	$ 162,428.51
10	$ 164,052.79
11	$ 165,693.32
12	$ 167,350.25
13	$ 169,023.75
14	$ 170,713.99
15	$ 172,421.13
16	$ 174,145.34
17	$ 175,886.80
18	$ 177,645.66
19	$ 179,422.12
20	$ 181,216.34
Total Savings	**$ 3,302,850.60**

TOWN OF BRISTOL and TOWN OF BARRINGTON, RI

INVITATION FOR RFQ/RFP
BID #850
PUBLIC-PRIVATE PARTNERSHIP FOR ON-SITE SOLAR PROJECTS

Attachment A
Town of Barrington

BID FORM

NAME AND ADDRESS OF BIDDING FIRM:

Syncarpha Capital, LLC

250 West 57th Street

NY, New York 10107

I herein agree to abide by all requirements as detailed in the "Invitation for Bid #850".

Signature: 

Printed Name & Title: Cliff Chapman, Managing Member

Date: 11-07-2016

REG Tariff Agreement:

Under Rhode Island's Renewable Energy Growth Program, Syncarpha will bid into National Grid's 20-year tariff system. Upon award, Syncarpha will offer the Town of Barrington a lease rate of $33,000 per year with a 1% escalator ($53,400/MWdc) for all three rooftops. This offer assumes an REG clearing price of [$0.2275/kWh]. This assumption is based on the medium solar 20-year Tariff Rate.

Option A is a $33,000 ($53,400/MWdc) annual lease payment with a 1% escalator.

Option A: Barrington REG Program	
Year	**Rooftop Lease Payments (1% Escalator)**
1	**$ 33,000**
2	**$ 33,330**
3	**$ 33,663**
4	**$ 34,000**
5	**$ 34,340**
6	**$ 34,683**
7	**$ 35,030**
8	**$ 35,380**
9	**$ 35,734**
10	**$ 36,092**
11	**$ 36,453**
12	**$ 36,817**
13	**$ 37,185**
14	**$ 37,557**
15	**$ 37,933**
16	**$ 38,312**
17	**$ 38,695**
18	**$ 39,082**
19	**$ 39,473**
20	**$ 39,868**
Total	**$ 726,627**

Solar PPA:

Under the renewable energy Power Purchase Agreement ("PPA") deal structure, Syncarpha' has provided two (2) separate offer structures to the Town of Barrington, a fixed price PPA and a discount PPA. These offers include assumptions for our engineer's work and a predetermined decommissioning amount as described earlier in this proposal. The PPA price the Town receives may be slightly altered if the Town or the State requires additional engineering or decommissioning.

Syncarpha's experience is that Towns typically prefer the discount PPA pricing structure because this pricing structure provides a consistent discount to the Town.

A fixed price PPA structure is also offered. In this fixed price option, the Town's savings vary with the utility's electricity rate changes.

Syncarpha is open to either of the two deal structures. It is entirely up to the Town if they prefer the fixed price PPA or the discount PPA.

If Bristol declines the Solar PPA offer from Syncarpha, no Solar PPA related to the Landfill System will be available for the Town of Barrington.

Option B is a $0.105 / kWh Fixed price PPA with a 2% escalator and a $33,000 ($53,400/MWdc) annual lease payment with a 1% escalator.

Option B: Barrington REG + Fixed Price PPA from Bristol Landfill						
Year	Fixed Price PPA (2% escalator)($/kWh)	Net Metering Credit Rate Value (C-06) (1% escalator) ($/kWh)	Excess Production Available for Barrington (kWh)[1]	Rooftop Lease Payments (1% escalator)	Projected Utility Savings	**Total Estimated Annual Economic Benefit**
1	$ 0.105	$ 0.147	2,419,876	$ 33,000	$ 102,361	**$ 135,361**
2	$ 0.107	$ 0.149	2,385,771	$ 33,330	$ 99,422	**$ 132,752**
3	$ 0.109	$ 0.150	2,351,836	$ 33,663	$ 96,469	**$ 130,133**
4	$ 0.111	$ 0.152	2,318,070	$ 34,000	$ 93,503	**$ 127,503**
5	$ 0.114	$ 0.153	2,284,474	$ 34,340	$ 90,524	**$ 124,864**
6	$ 0.116	$ 0.155	2,251,045	$ 34,683	$ 87,533	**$ 122,216**
7	$ 0.118	$ 0.156	2,217,784	$ 35,030	$ 84,531	**$ 119,561**
8	$ 0.121	$ 0.158	2,184,689	$ 35,380	$ 81,518	**$ 116,899**
9	$ 0.123	$ 0.160	2,151,759	$ 35,734	$ 78,497	**$ 114,232**
10	$ 0.125	$ 0.161	2,118,995	$ 36,092	$ 75,468	**$ 111,560**
11	$ 0.128	$ 0.163	2,086,393	$ 36,453	$ 72,432	**$ 108,885**
12	$ 0.131	$ 0.164	2,053,955	$ 36,817	$ 69,390	**$ 106,207**
13	$ 0.133	$ 0.166	2,021,679	$ 37,185	$ 66,343	**$ 103,529**
14	$ 0.136	$ 0.168	1,989,565	$ 37,557	$ 63,293	**$ 100,850**
15	$ 0.139	$ 0.169	1,957,611	$ 37,933	$ 60,240	**$ 98,173**
16	$ 0.141	$ 0.171	1,925,817	$ 38,312	$ 57,186	**$ 95,498**
17	$ 0.144	$ 0.173	1,894,182	$ 38,695	$ 54,133	**$ 92,828**
18	$ 0.147	$ 0.174	1,862,705	$ 39,082	$ 51,080	**$ 90,162**
19	$ 0.150	$ 0.176	1,831,385	$ 39,473	$ 48,031	**$ 87,504**
20	$ 0.153	$ 0.178	1,800,222	$ 39,868	$ 44,986	**$ 84,854**
Total				$ 726,627	$ 1,476,941	**$ 2,203,568**

[1] Explanation of this calculation can be found in the following "Background Calculations" Table

Option C is a 15% Discount to Net Metering Credit Rate PPA and a $33,000 ($53,400/MWdc) annual lease payment with a 1% escalator.

Option C: Barrington REG + Discount PPA from Bristol Landfill						
Year	PPA Price - % Discount to NMC Rate[1]	Current C-06 NMC Rate (with 1% escalator) ($/kWh)	Excess Production Available for Barrington (kWh)[2]	Rooftop Lease Payments (1% escalator)	Projected Utility Savings	**Total Estimated Annual Economic Benefit**
1	15%	$ 0.147	2,419,876	$ 33,000	$ 53,467	**$ 86,467**
2	15%	$ 0.149	2,385,771	$ 33,330	$ 53,241	**$ 86,571**
3	15%	$ 0.150	2,351,836	$ 33,663	$ 53,008	**$ 86,672**
4	15%	$ 0.152	2,318,070	$ 34,000	$ 52,770	**$ 86,770**
5	15%	$ 0.153	2,284,474	$ 34,340	$ 52,525	**$ 86,865**
6	15%	$ 0.155	2,251,045	$ 34,683	$ 52,274	**$ 86,957**
7	15%	$ 0.156	2,217,784	$ 35,030	$ 52,017	**$ 87,047**
8	15%	$ 0.158	2,184,689	$ 35,380	$ 51,753	**$ 87,133**
9	15%	$ 0.160	2,151,759	$ 35,734	$ 51,482	**$ 87,217**
10	15%	$ 0.161	2,118,995	$ 36,092	$ 51,205	**$ 87,297**
11	15%	$ 0.163	2,086,393	$ 36,453	$ 50,922	**$ 87,374**
12	15%	$ 0.164	2,053,955	$ 36,817	$ 50,631	**$ 87,448**
13	15%	$ 0.166	2,021,679	$ 37,185	$ 50,334	**$ 87,519**
14	15%	$ 0.168	1,989,565	$ 37,557	$ 50,030	**$ 87,587**
15	15%	$ 0.169	1,957,611	$ 37,933	$ 49,719	**$ 87,651**
16	15%	$ 0.171	1,925,817	$ 38,312	$ 49,400	**$ 87,712**
17	15%	$ 0.173	1,894,182	$ 38,695	$ 49,075	**$ 87,770**
18	15%	$ 0.174	1,862,705	$ 39,082	$ 48,742	**$ 87,824**
19	15%	$ 0.176	1,831,385	$ 39,473	$ 48,401	**$ 87,874**
20	15%	$ 0.178	1,800,222	$ 39,868	$ 48,054	**$ 87,921**
Total				$ 726,627	1,019,050	**$ 1,745,677**

[1] The discount pricing structure will have a floor of $0.09/kWh.

[2] Explanation of this calculation can be found in the following "Background Calculations" Table

Background Calculations

Background Calculations							
Year	Landfill Solar Project Estimated Production (kWh)[1]	Bristol's Estimated Utility Bill (with 1% escalator)[2]	Barrington's Annual Utility Bill (1% escalator)[3]	Current C-06 NMC Rate (with 1% escalator) ($/kWh)	Bristols NMC Appetite (kWh)	Barrington's NMC Appetite (kWh)	Excess Production Available for Barrington (kWh)[4]
1	6,821,100	$ 648,300	$ 491,373	$ 0.147	4,401,224	3,335,866	2,419,876
2	6,786,995	$ 654,783	$ 496,287	$ 0.149	4,401,224	3,335,866	2,385,771
3	6,753,060	$ 661,331	$ 501,250	$ 0.150	4,401,224	3,335,866	2,351,836
4	6,719,294	$ 667,944	$ 506,262	$ 0.152	4,401,224	3,335,866	2,318,070
5	6,685,698	$ 674,624	$ 511,325	$ 0.153	4,401,224	3,335,866	2,284,474
6	6,652,269	$ 681,370	$ 516,438	$ 0.155	4,401,224	3,335,866	2,251,045
7	6,619,008	$ 688,184	$ 521,602	$ 0.156	4,401,224	3,335,866	2,217,784
8	6,585,913	$ 695,066	$ 526,818	$ 0.158	4,401,224	3,335,866	2,184,689
9	6,552,983	$ 702,016	$ 532,087	$ 0.160	4,401,224	3,335,866	2,151,759
10	6,520,218	$ 709,036	$ 537,407	$ 0.161	4,401,224	3,335,866	2,118,995
11	6,487,617	$ 716,127	$ 542,781	$ 0.163	4,401,224	3,335,866	2,086,393
12	6,455,179	$ 723,288	$ 548,209	$ 0.164	4,401,224	3,335,866	2,053,955
13	6,422,903	$ 730,521	$ 553,691	$ 0.166	4,401,224	3,335,866	2,021,679
14	6,390,789	$ 737,826	$ 559,228	$ 0.168	4,401,224	3,335,866	1,989,565
15	6,358,835	$ 745,204	$ 564,821	$ 0.169	4,401,224	3,335,866	1,957,611
16	6,327,041	$ 752,656	$ 570,469	$ 0.171	4,401,224	3,335,866	1,925,817
17	6,295,405	$ 760,183	$ 576,173	$ 0.173	4,401,224	3,335,866	1,894,182
18	6,263,928	$ 767,785	$ 581,935	$ 0.174	4,401,224	3,335,866	1,862,705
19	6,232,609	$ 775,463	$ 587,755	$ 0.176	4,401,224	3,335,866	1,831,385
20	6,201,446	$ 783,217	$ 593,632	$ 0.178	4,401,224	3,335,866	1,800,222

[1]Solar Site production estimation from the Landfill site by Syncarpha's lead designer.

[2]Calculated with Barrington's average electricity price ($0.1432/kWh) and Bristol's load of 4,527,271 kWh per year.

[3]Barrington's estimated total electric bill, calculated using the Middle School's electric bill from 2014 and the remaining building's bills from 2015.

[4]The amount of Net Metering Credits available to Barrington does not completely satisfy Barrington's NMC appetite. The remaining NMC appetite can be met with offtake from Syncarpha's other Rhode Island projects in development.

Attachment B: Non- COLLUSION AFFIDAVIT

TOWN OF BRISTOL and TOWN OF BARRINGTON, RI

INVITATION FOR RFQ/RFP
BID #850
PUBLIC-PRIVATE PARTNERSHIP FOR ON-SITE SOLAR PROJECTS

ATTACHMENT B
Non-COLLUSION AFFIDAVIT
To Be Completed, Notarized, and Submitted With Bid

State of Rhode Island
County of Bristol

" Syncarpha Solar, LLC , Bidder, being first duly sworn, deposes and says that he or she is Owner of the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the Bidder has not directly or indirectly induced or solicited any other Bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any Bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the Bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the Bidder or any other Bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other Bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further, that the Bidder has not , directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid."

11-07-2016	
Date	(Signed at)
Syncarpha Solar, LLC	
Bidder name (Person, Firm, Corp.)	Authorized Representative
250 W 57th Street	Cliff Chapman
Address	Representative's Name
New York, NY 10107	Managing Member
City, State, Zip	Representative's Title

Attachment C: Bidder's Statement Regarding Insurance Coverage

TOWN OF BRISTOL and TOWN OF BARRINGTON, RI

INVITATION FOR RFQ/RFP
BID #850
PUBLIC-PRIVATE PARTNERSHIP FOR ON-SITE SOLAR PROJECTS

ATTACHMENT C

BIDDER'S STATEMENT
REGARDING INSURANCE COVERAGE

BIDDER HEREBY CERTIFIES that the Bidder has reviewed and understands the insurance coverage requirements specified in the Invitation for Bid No. 850, Public – Private Partnership for On-Site Solar Projects. Should the Bidder be awarded the contract for the work, Bidder further certifies that the Bidder can meet the specified requirements for insurance and agrees to provide the Town with a certificate of insurance which names the Town of Bristol and the Town of Barrington as an Additional Insured for the work specified.

Insurance Required:

- Workman's Compensation in compliance with statutory limits
- Comprehensive General Liability Insurance of at least $1,000,000.

Syncarpha Solar, LLC
Name of Bidder (Person, Firm, or Corporation)

Signature of Bidder's Authorized Representative

Cliff Chapman, Managing Member
Name & Title of Authorized Representative

11-07-2016
Date of Signing

Attachment D: Bidder Statement of Relevant Experience

TOWN OF BRISTOL and TOWN OF BARRINGTON, RI

INVITATION FOR RFQ/RFP
BID #850
PUBLIC-PRIVATE PARTNERSHIP FOR ON-SITE SOLAR PROJECTS

ATTACHMENT D

BIDDER STATEMENT OF RELEVANT EXPERIENCE

List three (3) references for which your firm provided service within the last five years.

I hereby certify that I have performed the work listed below.

Signature of Bidder

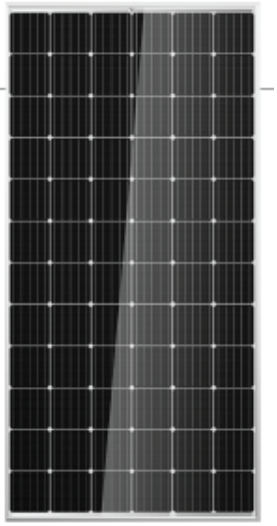
DESCRIPTION	DATES	CONTRACT AMOUNT	CUSTOMER CONTACT	CUSTOMER TELEPHONE
The North Adams Landfill Solar Project is a 3.6 MW facility interconnected with National Grid and is owned and operated by Syncarpha. The project sells credits to the City of North Adams and provides the City with an annual lease payment. Syncarpha's EPC partner was Borrego Solar.	Construction: Jan. 2015 - Sept. 15 Operational: Sept. 2015-Present	Term: 20 years PPA rate: $0.0925 kWh 2% Escalator (100% of Production) Lease: $12,000/year	Ross Vivori (Assessor for City of North Adams)	413-662-3012
The Dartmouth Solar Project is a 6 MW facility interconnected with Eversource Energy and is owned and operated by Syncarpha. The Solar Project sells credits to a local town and school district. Syncarpha's EPC partner was Ameresco, Inc.	Construction: Dec. 2013 – Mar. 2014 Operational: Mar. 2014 - Present	Term: 20 years PPA rate: $0.10/kWh 0% escalator (60% of Production)	Christine Healy (Director of Business Services for Silver Lake School District)	781-582-3519
The Palmer Airfield Project is a 6 MW facility interconnected with National Grid and is owned and operated by Syncarpha. The project sells credits to two local towns and a local university. Syncarpha's EPC partner was Borrego Solar.	Construction: April 2015-Dec. 2015 Operational: Dec. 2015-Present	Term: 20 years PPA Rate: $.115/kWh 2% Escalator (17% of Production)	Kristen Forsberg (Assistant to the Town Administrator for the Town of Leicester)	508-892-7000

Exhibit A: PV Equipment Specification Sheets

Trina Solar TSM-340DD14A(II) Modules:

Mono Multi Solutions

THE TALLMAX M PLUS MODULE



72 CELL
MONOCRYSTALLINE MODULE

330-355W
POWER OUTPUT RANGE

18.3%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

As a leading global manufacturer of next generation photovoltaic products, we believe close cooperation with our partners is critical to success. With local presence around the globe, Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners as the backbone of our shared success in driving Smart Energy Together.

Trina Solar Limited
www.trinasolar.com

Trinasolar
Smart Energy Together

Maximize limited space with top-end efficiency
- Up to 183 W/m² power density
- Low thermal coefficients for greater energy production at high operating temperatures

Highly reliable due to stringent quality control
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- 100% EL double inspection

Certified to withstand challenging enviromental conditions
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

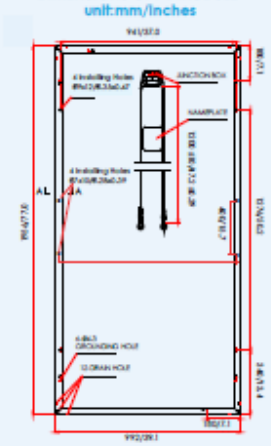
Comprehensive products and system certificates

- IEC 61215/ IEC 61730/ UL 1703/ IEC 61701/IEC 62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupation Health and Safety Management System

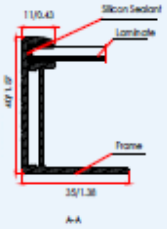
THE TALLMAX™ PLUS MODULE

TSM-DD14A(II)

DIMENSIONS OF PV MODULE
unit:mm/inches

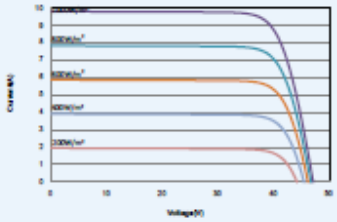


Back View

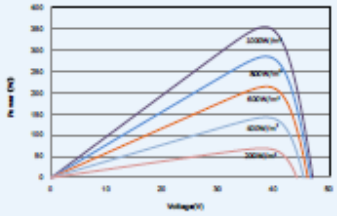


A-A

I-V CURVES OF PV MODULE(355W)



P-V CURVES OF PV MODULE(355W)



ELECTRICAL DATA (STC)

Peak Power Watts-P_{MAX} (Wp)*	330	335	340	345	350	355
Power Output Tolerance-P_{MAX} (W)	0~+5					
Maximum Power Voltage-V_{MPP} (V)	37.8	37.9	38.2	38.4	38.5	38.7
Maximum Power Current-I_{MPP} (A)	8.73	8.84	8.90	9.00	9.09	9.17
Open Circuit Voltage-V_{OC} (V)	46.2	46.3	46.5	46.7	46.9	47.0
Short Circuit Current-I_{SC} (A)	9.27	9.36	9.45	9.50	9.60	9.69
Module Efficiency η_m (%)	17.0	17.3	17.5	17.8	18.0	18.3

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Test tolerance: ±3%.

ELECTRICAL DATA (NOCT)

Maximum Power-P_{MAX} (Wp)	246	250	253	257	261	264
Maximum Power Voltage-V_{MPP} (V)	34.9	35.1	35.2	35.5	35.6	35.8
Maximum Power Current-I_{MPP} (A)	7.04	7.12	7.19	7.25	7.33	7.40
Open Circuit Voltage-V_{OC} (V)	43.0	43.1	43.2	43.4	43.5	43.7
Short Circuit Current-I_{SC} (A)	7.49	7.56	7.63	7.67	7.75	7.82

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline 156 × 156 mm (6 inches)
Cell Orientation	72 cells (6 × 12)
Module Dimensions	1956 × 992 × 40 mm (77.0 x 39.1 x 1.57 inches)
Weight	26.0 kg (57.3 lb)
Glass	4.0 mm (0.15 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²), 1200 mm (47.2 inches)
Connector	MC4 Compatible or Amphenol H4/UTX
Fire Type	Type 1 or Type 2

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C(± 2°C)
Temperature Coefficient of P_{MAX}	- 0.39%/°C
Temperature Coefficient of V_{OC}	- 0.29%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC) 1000V DC (UL)
Max Series Fuse Rating	15A

WARRANTY

10 year Product Workmanship Warranty

25 year Linear Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 26 pieces

Modules per 40' container: 572 pieces

TSM_EN_2016_C

Trinasolar
Smart Energy Together

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

Sungrow SG60KU-M String Inverters:

SUNGROW
www.sungrowpower.com

SG60KU-M

String Inverter For North America

Efficient and Flexible

- High flexibility for complex configurations due to 4 MPP trackers and a wide input voltage range
- High yields due to efficiency up to 98.9% and CEC efficency of 98.5%
- Output power up to 66KVA/66KW at power factor of 1
- Can be installed at any angle

Grid-friendly

- Active power continuously adjustable (0~100%)
- Fulifill a variety of reactive power adjustment requirments with power factor 0.8 leading ~ 0.8 lagging
- Integrated LVRT and OVRT function
- Includes RS-485 and Ethernet interface, compatible with all common monitoring systems

Intelligent Design

- Integrated combiner box: 16 x Screw terminal pairs with DC string fuses (both positive and negative), Type II overvoltage protection (both DC and AC), DC and AC switch, more safety and lower the system cost
- Integrated string detection function and arc fault detection

Reliable

- Product certificcation: UL IEEE 1574 IEEE 1574.1 CSA C22.2#107.1-01-2001,FCC Part 15 Sub-part B Class B Limits
- Manufaturer certification: ISO 9001,ISO 14001,OHSAS 18000

SUNGROW
www.sungrowpower.com

SG60KU-M

DC

Maximum PV Input Voltage	1000V
Start-Up Voltage	300V
Stop Voltage	280V
MPPT Voltage Range	300 - 950V
MPPT Voltage Range for Nominal Power	550 - 850V
String Fuses	Positive and Negative
Number of MPPTs	4
Maximum Number of DC Inputs	16
Maximum DC short circuit current	200A
Maximum Current for Input Connector	12A
Maximum Cable Size	10AWG, Cu or Al
AFCI	Yes
DC Switch	Yes
Insulation Detection	Yes
DC Surge Arrestor	Type II DIN Rail Surge Arrestor (40kA)

Protection

Anti-Islanding Protection	Yes
Low Voltage Ride Through	Yes
DC Reverse Connection Protection	Yes
AC Short Circuit Protection	Yes
Leakage Current Protection	Yes
AC Switch	Yes

Mechanical Data

Dimensions (W×H×D)	665*915*276mm 26.18" * 36.02" *10.87"
Mounting Method	Wall bracket
Weight	70kg 154lbs

Communication

RS485	Standard
Ethernet	Standard
I/O Dry Contact	Standard
Protocol	Modbus

AC

Nominal AC Output Power	60000W
Maximum AC Output Apparent Power	66000VA
Maximum AC Output Current	80A
Nominal AC Voltage	3ø/3W or 4W+ Ground, 277/480Vac
AC Voltage Range	422 - 528Vac
Nominal Grid Frequency	60Hz
Grid Frequency Range	55-65Hz
THD	<3% (Nominal Power)
DC Current Injection	<0.5% In
Power Factor	>0.99 @ Default Value at Nominal Power,(Adj. 0.8 Leading ~0.8 Lagging)
Maximum Cable Size	2/0AWG, Cu or Al
AC Surge Arrestor	Type II DIN Rail Surge Arrestor

System Data

Maximum Efficiency	98.90%
CEC Efficiency	98.50%
Isolation Method	Transformerless
Ingress Protection Rating	NEMA 4X
Tare Losses	<1W
Operating Ambient Temperature Range	-25˚C to 60˚C (>45˚C derating) -13˚F to 140˚F (>122˚F derating)
Allowable Relative Humidity Range	0 - 100%
Cooling Method	Smart Forced Air Cooling
Max. Operating Altitude	4000m(>3000m derating) 13000ft(>9800ft derating)
Display	Graphic LCD
Communication	RS485 / Ethernet
DC Connection Type	Screw Terminals
AC Connection Type	Screw Clamp Terminal
Certification	eCSAus
Safety and EMC Standard	UL1741, IEEE 1547, IEEE1547.1,CSA C22.2 107.1-01-2001,FCC Part 15 Sub-part B Class B Limits

Efficiency Curve

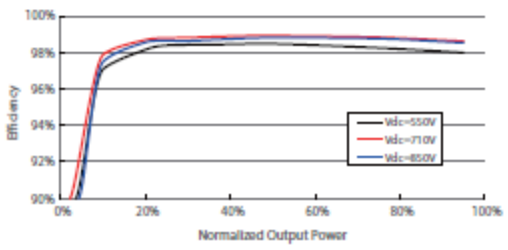
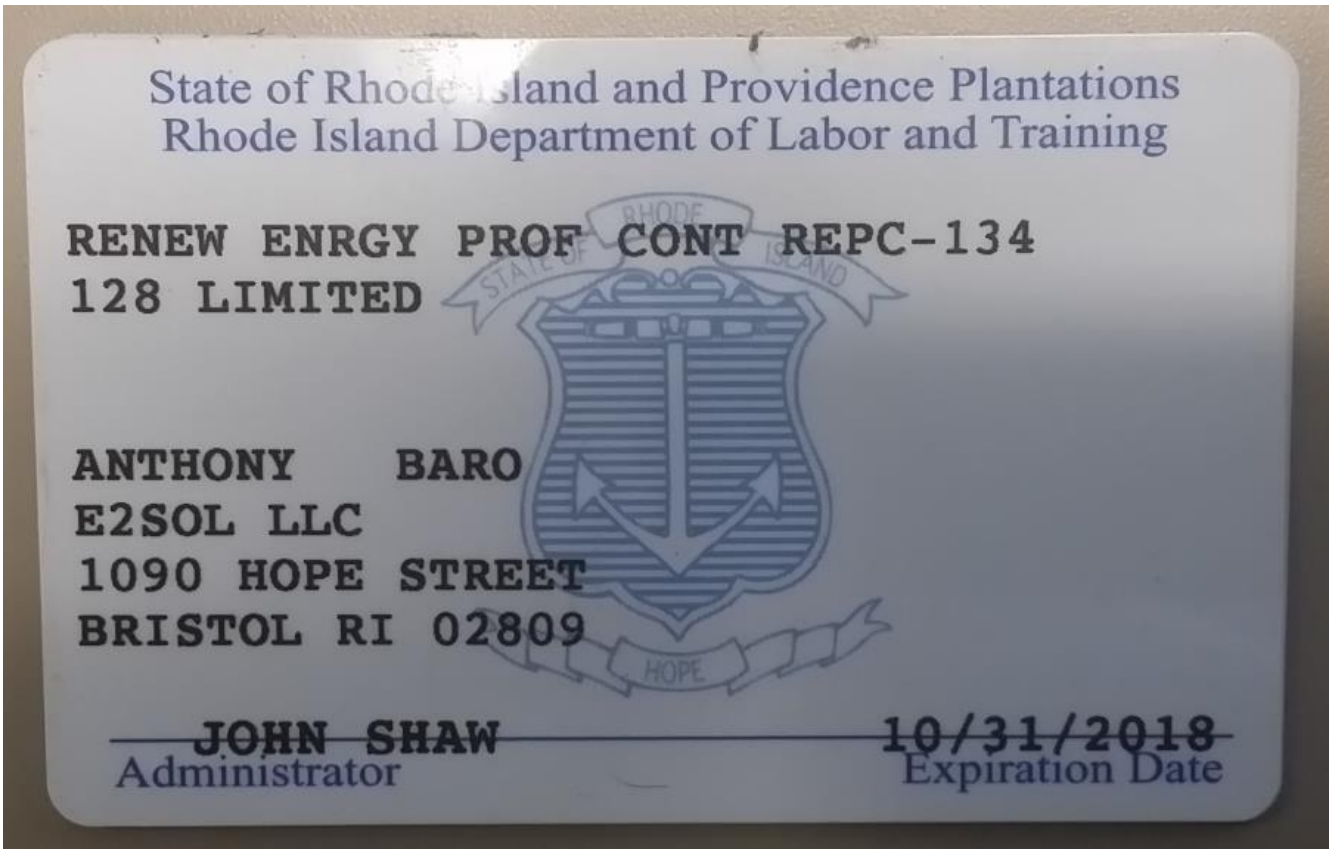


Exhibit B: E2SOL's Contractor's License

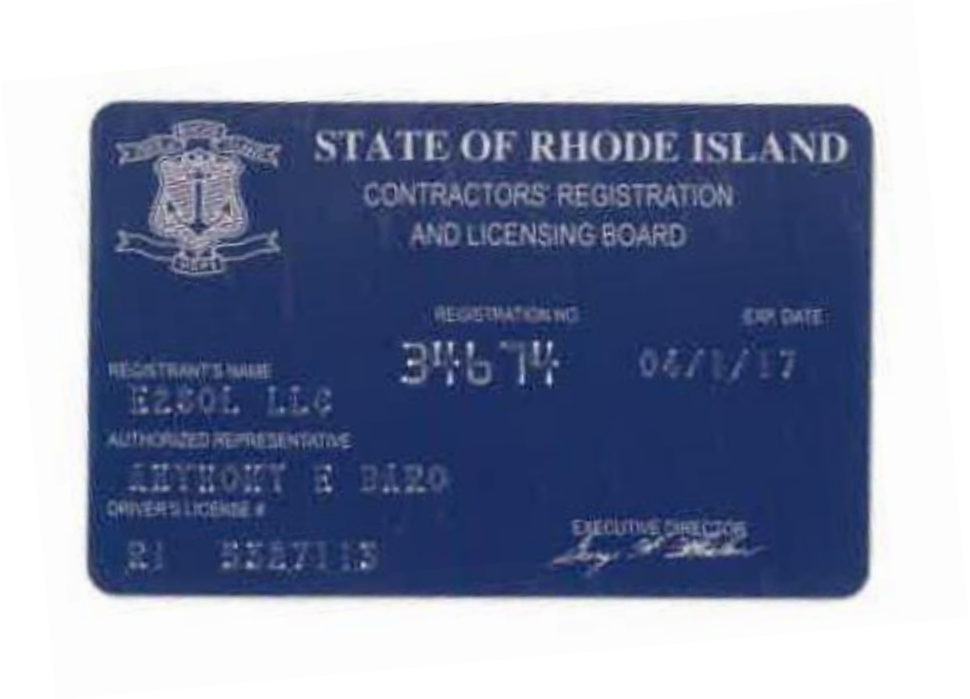

State of Rhode Island and Providence Plantations
Rhode Island Department of Labor and Training

RENEW ENRGY PROF CONT REPC-134
128 LIMITED

ANTHONY BARO
E2SOL LLC
1090 HOPE STREET
BRISTOL RI 02809

JOHN SHAW
Administrator

10/31/2018
Expiration Date


STATE OF RHODE ISLAND
CONTRACTORS' REGISTRATION
AND LICENSING BOARD

REGISTRATION NO
3476
EXP. DATE
10/31/17

REGISTRANT'S NAME
E2SOL LLC

AUTHORIZED REPRESENTATIVE
ANTHONY E BARO

DRIVER'S LICENSE #
RI 2027115

EXECUTIVE DIRECTOR