

SCHEDULE A



Ithaca Microgrid NY Prize/NYSERDA Stage II Proposal Development Services

PREPARED FOR:



Proposal No. 16P05-414

June 13, 2016

PREPARED BY:

SourceOne, Inc.
53 State Street, 14th Floor
Boston, MA 02109
Phone: 800.510.4485
www.sourceone-energy.com



June 13, 2016

Mr. Dan Ramer, PhD.
Chief Operator
Ithaca Area Wastewater Treatment Facility
525 3rd Street
Ithaca, NY 14850

Subject: Proposal No. 16P05-414 – Proposal Development & Consulting Services for the Ithaca Microgrid NY Prize/NYSEDA Stage II Proposal

Dear Mr. Ramer,

SourceOne is pleased to provide the following proposal for services to develop the proposal and application submission for Stage II of NYSEDA's NY Prize Microgrid program. We understand that after successfully completing the Stage I Microgrid feasibility study, the Ithaca Microgrid team is interested in continuing to develop the project by pursuing funding available through NYSEDA's NY Prize program. SourceOne is highly qualified to guide the Ithaca Microgrid team through the process of putting together an award winning proposal while garnering the support of the host utility and host facilities that will ultimately benefit from the microgrid.

As you are aware, NY Prize Stage II award winners are eligible for up to \$1,000,000 in funding to support further development of the microgrid project as proposed in Stage I. SourceOne will develop a proposal that will demonstrate the establishment of a world class project execution team to develop a detailed technical design, conduct project cost estimating, define ownership and operation structures and compile this information into a bankable business plan. SourceOne will ensure the proposal presents a successful project plan while demonstrating strict adherence to NYSEDA's program submission requirements.

SourceOne's primary goal is to obtain Stage II prize money for the City of Ithaca through an award winning proposal. However it should be noted the scope of work presented, regardless of Stage II award, will allow the project to continue down a proven development path which will enable project stakeholders with the ability to ensure the best and highest use of existing and planned energy infrastructure and resources. Our team is nimble and effective in identifying alternative funding sources should the project decide to pursue other avenues during the development process which do not involve the microgrid component of the project. Simply put, SourceOne will ensure the development resources expended on this scope serve the ultimate project development goals for the City of Ithaca.

We look forward to working with your team on this important step towards addressing your energy sustainability and resiliency needs. Thank you again for this opportunity. SourceOne is available and prepared to commence work immediately. If you have any questions, please do not hesitate to contact me by phone at 802.338.0931 or by email at mcinadr@s1inc.com.

At your service,

Matt Cinadr
Project Manager



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Executive Summary

Project Overview

In July of 2015, The Ithaca Community Microgrid: First Stage Feasibility Assessment proposal was selected as one of eighty three winning proposals for NYSERDA's NY Prize Stage I. The Stage I award amount of \$100,000 per team was awarded to conduct engineering assessments that evaluated the feasibility of installing and operating community microgrids.

The Ithaca Community Microgrid team, represented by Dan Ramer, PhD., of the Ithaca Area Wastewater Treatment Facility, selected SourceOne to execute the technical and financial feasibility study of their proposed community microgrid in fulfillment of the Stage 1 award. SourceOne's study demonstrated that using the Ithaca Area Wastewater Treatment Facility (IAWWTF) as a host site would allow for the creation of a community microgrid which would be able to provide power to several key critical facilities within the community during times of emergency.

SourceOne understands that as part of the IAWWTF's goals to increase anaerobic digester gas (ADG) capacity, become a net zero facility, and improve local electric grid reliability, the IAWWTF is interested in further pursuing the microgrid project and continuing to participate in the NY Prize. SourceOne has assembled a team with extensive experience in this arena and has developed this proposal to detail the scope of work required to put together a winning proposal for Stage II of the NY Prize.

Stage II of the NY Prize will award eight teams up to \$1,000,000 each to generate detailed designs for their proposed microgrids. During this stage the concepts evaluated during Stage I will be further developed into technical designs and system configurations ready for construction. Eligible proposals for Stage II must have all of the material from Stage I, the proposal checklist, procurement lobbying requirements, proposing team qualifications, a detailed work plan and schedule, milestone budget, explanation of legal viability, and letters of support from participating team members and businesses or other organizations critical to the implementation of the project.

In developing the submission for the NY Prize Stage II, SourceOne will be providing the Ithaca Community Microgrid team a project plan, budget, schedule, and proposed commercial structure for a viable microgrid project, as well as an experienced team ready to execute the plan. SourceOne believes that the value of this work, independent of the Stage II prize money, is that the work done generating the submission continues the project development process and establishes a world class team that will assist IAWWTF in implementing solutions that ensure the highest and best use of existing and planned energy infrastructure and resources.



Why SourceOne

SourceOne acknowledges the resources and expertise required to see a successful project through to completion. We have a successful track record of assisting our client from concept to construction to commercial operation. The Ithaca Microgrid Team requires a partner that is equally expert in financial and regulatory analysis as well as plant operations, utility coordination, design development, and construction management. Our principal objective will be to lead the continued development of the proposed community microgrid while also ensuring that a comprehensive proposal for Stage II of the NY Prize is submitted to NYSERDA. As you will see in our submittal, the SourceOne team is comprised of experts in developing, implementing, and operating cogeneration plants, district energy systems, and microgrids.

SourceOne is a leading energy and operations consulting firm with a successful track record of developing projects from initial concept through design development, construction, commissioning, and operations. SourceOne will ensure that this objective is met as efficiently as possible by leveraging the following organizational strengths.

Energy Engineering and Power Systems Consulting Resources

- Subject matter expertise in energy modeling, operations analysis, power plant and utility operations
- Expertise in commercial utility structures, project finance and funding methods
- Substantial experience performing Energy Master Plans, Cogeneration/Central Utility Plant Feasibility Studies, Renewables/waste to energy evaluations, and Investment Grade Audits

Business Concept Development through Implementation

- Conduct and manage the development of large, complex energy infrastructure projects
- Life cycle vision of energy projects, with a focus on owner/operator requirements
- Turnkey development capabilities including: conceptual design, design phase management, procurement, construction management, startup/commissioning, operations and maintenance

Objective Technical Expertise from an Owner's Perspective

- Subject matter expertise in On-site generation/CHP, Central Utility Plants, and District Energy
- Veolia, SourceOne's parent company, owns and/or operates 1,200+ CHP facilities around the world (4,900+ MW).
- Veolia has expertise in water, waste and energy – the exact three areas the project is centered around.
- Veolia owns and operates the largest portfolio of heating, cooling and cogeneration networks in North America.



- Substantial experience in project development, implementation, and operations and maintenance of CHP, central utility plants, district energy and waste to energy projects
- Vendor and technology neutral; solely aligned with our clients' needs

In-depth Knowledge of Local Incentive Programs

- 15+ years as an active participant and trusted implementation partner for several utility-sponsored energy efficiency programs in New York State
- Thorough understanding of the program requirements for NYSERDA's NY Prize program offerings as well as other NYSERDA funding and incentive programs that may apply to the project.



Statement of Work

1. Populate Proposal Checklist

SourceOne will complete the NYSERDA-provided proposal checklist (Attachment A of Stage II RFP) and prepare for submission. Note that the representative of the project, who will be legally authorized to sign a contract, if awarded, will need to sign this checklist prior to submission and in doing so accepts the terms and conditions noted in Attachment F of the Stage II RFP.

2. Develop Executive Summary

An executive summary (maximum of two pages per the Stage II RFP) briefly describing the project, team members, community engagement/stakeholders, and potential energy, economic, and environmental benefits to the community and to New York State as a whole.

3. Proposer Information

SourceOne will compile the pertinent information (two page maximum per the Stage II RFP) of the representative serving as the project's proposer. This individual must be authorized to sign a contract if awarded. In addition to general contact information (name, phone number, e-mail addresses, mailing address, etc.), evidence that the proposer has the financial resources to share costs must be provided.

4. Proposer Qualifications

SourceOne will compile and prepare for submission (four page maximum per the Stage II RFP) the following information intended to demonstrate the proposing teams qualifications:

- Brief description of the organizations involved in the proposing team, including subcontractors
- An organization chart listing team members, project manager, subcontractors, project sponsors, and public organizations with interests in the project
- Brief summaries of key individuals providing expertise
- Description of team's experience developing projects with related scopes

5. Proposer Feasibility Assessment Information

SourceOne will compile and include in the Stage II submission all materials submitted as part of the Stage I submission package.

6. Work Plan and Schedule

A work plan (eight page maximum per the Stage II RFP) describing all work activities and deliverables associated with completing the proposed project will be developed by SourceOne.



This work plan shall be inclusive of all requirements detailed by NYSERDA in the Stage II RFP Attachment C. The work plan will describe each major project step as well as the backgrounds of the individuals to be involved in completing the work. In addition to a descriptive narrative, a project schedule (gant chart style) will be developed to graphically represent the sequence of events of the project and the relative duration of each. SourceOne will identify and work extensively with sub-contractors to develop a detailed project schedule.

7. Milestone Budget

Total project costs and proposed cost sharing will be determined to develop a complete project budget (one page maximum per Stage II RFP). The budget will include all consideration of costs as set forth in the guidance in Attachment H of Stage II RFP. SourceOne will identify and work extensively with sub-contractors to develop detailed project cost estimates.

8. Project Commercial Structure Development

As part of the development of the project and per requirements of the NY Prize Stage II submittal, it is imperative that the commercial structure of the project be finalized. SourceOne will lead the development of this by providing the following services:

- Coordination of and participation in face to face meetings with project stakeholders
- Coordination of and participation in face-to-face meetings with representatives from facilities that will be connected to the microgrid
- Coordination of and participation in a final summary meeting with project stakeholders prior to Stage II application submission
- The development of the commercial structure block diagram and associated narratives describing the roles, rights and responsibilities of each stakeholder, to include the identification of any required agreements such as O&M contracts or power purchase agreements
- Coordination and facilitation with NYSEG and NYSERDA. SourceOne expects there to be extensive coordination with both NYSEG and NYSERDA throughout the project development process. It is critical to the success of the project that both entities fully support the development and execution of the project. SourceOne will work with these entities to ensure that the project fulfills any requirements that NYSEG or NYSERDA have.

9. Community Engagement

SourceOne will assist the team in engaging the community and obtaining the appropriate letters of support and commitment from project stakeholders. This portion of the scope of work is being offered on a T&M basis subject to the SourceOne billing schedule provided in this



document. SourceOne will provide the IAWWTF an estimate of hours associated with Community Engagement related tasks for approval before commencing work.

10. Legal Viability

NYSERDA is requiring as part of the submission that teams thoroughly consider all applicable procurement laws that may apply through Stage II (detailed design), Stage III (construction) and beyond. SourceOne will provide the assistance of our legal team as needed and only as requested by the project lead, assumed to be IAWWTF. This portion of the scope of work is being offered on a T&M basis subject to the SourceOne billing schedule provided in this document. SourceOne will provide the IAWWTF an estimate of hours associated with Legal Viability related tasks for approval before commencing work.

11. Project Team Development

SourceOne will identify and vet potential project partners to assemble a team capable of taking the project from concept through commissioning. The team will include one or more partners with expertise in the design and construction of biogas power generation, microgrid interface/controls, fuels handling, district energy, and systems integration. SourceOne has already developed a preliminary team of experts and is willing to share the initial framework with the IAWWTF as requested.

12. NYSERDA Stage II Submission

SourceOne will compile all relevant and required information to be submitted to NYSERDA for the NY Prize Stage II. The current deadline for submission is October 1st, 2016. SourceOne would like to make clear the necessary and required support and participation of the IAWWTF, its Board of Directors and all project stakeholders, including the facilities that will be impacted by the microgrid. The support and participation in the proposal development process will be critical to winning the award for Stage II and for the success of the project going forward.



Fee Proposal

SourceOne is offering the above mentioned services (except those explicitly indicated to be provided on a T&M basis) for a lump sum fee of \$48,960. This fee will be included in the Stage II project budget being developed as part of this proposal. In the event that the project is selected for Stage II funding, the fee will be paid with the assistance of the Stage II prize money, as will be detailed in the project budget cost sharing breakdown. In the event that the project is not selected for Stage II funding, the organization(s) represented by the project lead signing this proposal on their behalf will be responsible for payment of this fee, in its entirety.

Scope items 9 and 10 will be billed separately and in addition to the above mentioned lump sum fee on a T&M basis. Work will only be performed on these scope items at the explicit request of the project lead.

For the scope items which are being billed on a T&M basis, SourceOne, Inc. (DE) will provide services on an hourly billing basis under the following rate structure:

RATE CATEGORY	STRAIGHT-TIME RATE	OVERTIME RATE	HOLIDAY RATE
Executive Vice President	\$400	---	---
Senior Vice President	\$300	---	---
Vice President	\$275	---	---
Director	\$250	\$375	---
Manager	\$215	\$323	\$430
Senior Technical Staff*	\$185	\$278	\$370
Technical Staff**	\$155	\$235	\$310
Support Staff***	\$85	\$128	\$170

These rates are effective January 1, 2016 and are subject to change at any time after December 31, 2016.

*Senior technical staff disciplines include, but are not limited to Senior Project Engineer, Senior Project Manager, Senior Energy Analyst and Senior Programmer

**Technical staff disciplines include, but are not limited to Project Engineer, Project Manager, Energy Analyst and Programmer

***Support staff disciplines include, but are not limited to Co-Op / Intern, Field Technician and Administrative



STRAIGHT TIME

The straight time rate applies for services performed Monday through Friday, excluding holidays, on an eight (8) hour schedule between the starting hours of 7:00 AM and 9:00 AM. The minimum straight time charge on any day is four (4) hours, and straight time hours in excess of four (4) will be billed as eight (8) hours.

OVERTIME

The overtime rate applies for services performed at any time outside Straight Time hours, other than when Holiday Time applies. There is no minimum charge for overtime on a weekday on which the minimum straight time charge has been met. However, for overtime work performed on a Saturday or Sunday, or on a weekday without straight time billing, the minimum overtime charge is eight (8) hours.

HOLIDAY TIME

The holiday rate applies for services performed between the hours of 5:00 PM on the day preceding the holiday and 8:30 AM on the day following the holiday. The holidays included are New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day after Thanksgiving Day, Christmas Eve and Christmas Day. The minimum charge for work on a holiday is eight (8) hours.

EXPENSES

Reimbursable expenses above and beyond those included in the terms above shall be compensated at cost plus agreed upon multiplier.

Proposal Assumptions, Exclusions and Clarifications

1. The IAWWTF is responsible for compliance with all procurement laws and regulations with regards to the development of the Stage II proposal and all associated funding.
2. The IAWWTF will be taking lead on community outreach and engagement as it pertains to obtaining the necessary letters of support and commitment. Unless explicitly asked to do otherwise, SourceOne will limit its involvement to providing a letter of support from SourceOne.
3. All Stage II submission requirements not included in this proposal's scope of work will be the responsibility of the IAWWTF.
4. SourceOne has assumed three separate visits to the Ithaca area over the duration of the project for meeting with project stakeholders; time for these trips is included in pricing provided above however travel costs such as mileage and lodging will be billed separately. Additional trips beyond the three identified will be billed on a time and material basis.



Terms and Conditions

The following Terms and Conditions (“Terms and Conditions”) are an integral part of the accompanying proposal (“Proposal”) to perform the services described therein (“Services”) as submitted by SourceOne to the customer named in the Proposal (“Customer”). A contract between SourceOne and Customer for the performance of the Services (“Agreement”) shall be effective as of the earliest date that Customer executes and delivers the Proposal, issues a purchase order or other notice to proceed to SourceOne with reference to the Proposal, or permits SourceOne to commence performance of any Services in accordance with the Proposal; provided, however, that these Terms and Conditions shall apply to the performance of Services by SourceOne notwithstanding any preprinted terms or conditions contained in Customer’s purchase order. In the event of any conflict between these Terms and Conditions and any other portion of the Agreement, these Terms and Conditions shall control.

Payment. Payment for Services shall be for the amount set forth on the invoice as provided by SourceOne, and due no later than thirty (30) days from receipt of invoice unless otherwise specified. Customer shall reimburse SourceOne for all expenses incurred in connection with the provision of the Services pursuant to this Agreement if mutually agreed to in writing. SourceOne shall itemize and submit such expenses to Customer from time to time, and Customer shall reimburse SourceOne within seven (7) days of such submission. In the event Customer fails to timely or completely pay any amount under this Agreement: (i) such failure shall be a material breach; (ii) interest at the rate of one percent (1.0%) per month shall accrue on all past due amounts until such amounts, including accrued interest, are paid in full; (iii) SourceOne shall have the right to immediately cease providing Customer with the Services; and, (iv) SourceOne shall have the right to pursue all other legal and equitable remedies available to it. All fees set forth in this Agreement are exclusive of all sales, use, value-added, excise, property, withholding, and other taxes and duties. Customer shall pay or promptly reimburse SourceOne for all taxes and duties assessed by any authority in connection with this Agreement.

LIMITED WARRANTY AND DISCLAIMER. Notwithstanding any other provision of the Agreement, until the first anniversary of the Completion Date (as hereinafter defined), SourceOne warrants that the Services shall have been performed in a professional manner consistent with the level of care and skill ordinarily exercised by other providers of such services performing under similar circumstances. Customer’s sole remedy for any breach of such warranty shall be a refund of the portion of the fees paid to SourceOne for the deficient Services. EXCEPT AS EXPRESSLY SET FORTH IN THIS PARAGRAPH, SOURCEONE HAS NOT AND SHALL NOT BE DEEMED TO HAVE MADE ANY REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Indemnification. Each party (“Indemnifying Party”) shall indemnify, defend, and hold harmless the other party (“Indemnified Party”) against and from any and all actions, causes of action, claims, demands, costs, liabilities, expenses (including reasonable attorneys’ fees and court costs) and damages arising out of any and all third party claims to the extent caused by the Indemnifying Party’s negligent or willful acts or omissions or any material breach by the Indemnifying Party of this Agreement. In connection with any claim or action described in this paragraph, the Indemnified Party (i) will give the Indemnifying Party prompt written notice of the claim, (ii) will cooperate with the Indemnifying Party (at the Indemnifying Party’s expense) in connection with the defense and settlement of the claim, (iii) will permit the Indemnifying Party to control the defense and settlement of the claim, provided that the Indemnifying Party may not settle the claim without the Indemnified Party’s prior written consent (which will not be unreasonably withheld) unless the claim involves only the payment of money damages, and (iv) the Indemnified Party (at its cost) may participate in the defense and settlement of the claim.

Insurance. Until the first anniversary of the Completion Date (as hereinafter defined), SourceOne shall maintain insurance against liabilities caused by the Services as follows: Statutory limits required by applicable Workers’ Compensation law; Commercial General Liability -- \$1,000,000 combined single limits per occurrence of bodily injury and property damage and \$2,000,000 annual aggregate; Comprehensive Auto Liability -- \$1,000,000 per accident for Bodily Injury and Property Damage Liability (Combined Single Limit); and Professional Liability (Errors & Omissions) -- \$1,000,000 each claim and per project aggregate. SourceOne shall cause Customer to be named as additional insured under the Commercial General Liability and Comprehensive Auto Liability policies required by this paragraph in respect of liability caused by the Services.

LIMITATION OF LIABILITY. IN NO EVENT SHALL SOURCEONE BE LIABLE TO CUSTOMER FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL, INCIDENTAL, RELIANCE, OR PUNITIVE DAMAGES, OR FOR LOST PROFITS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM FIRST ASSERTED AFTER THE FIRST ANNIVERSARY OF THE COMPLETION DATE (AS HEREINAFTER DEFINED). IN ANY EVENT, THE AGGREGATE LIABILITY OF SOURCEONE FOR ANY LOSS OR DAMAGES OF ANY TYPE DIRECTLY OR INDIRECTLY SUFFERED BY CUSTOMER ARISING FROM THE SERVICES PERFORMED BY SOURCEONE OR ANY FAILURE, ACT, OMISSION OR BREACH OF THE AGREEMENT BY SOURCEONE SHALL NOT EXCEED THE AGGREGATE FEES PAID BY CUSTOMER TO SOURCEONE PURSUANT TO THE AGREEMENT.

Site Conditions. Customer shall provide a safe working environment for SourceOne personnel performing Services at the site(s) referenced in the Proposal, including providing reasonable notice of and training with respect to site-specific environmental, health and safety policies and procedures. Customer shall fully disclose to SourceOne information pertaining to any existing conditions at such site(s) or that may affect SourceOne’s ability to perform the Services and shall be responsible for any additional costs attendant to such conditions.

Use of Drawings, Specifications and Reports. Drawings, specifications and reports prepared by SourceOne are instruments of professional services to be used only in connection with the Services and are not suitable for any other purpose. Customer shall indemnify, defend and hold harmless SourceOne against and from any and all actions, causes of action, claims, demands, costs, liabilities, expenses (including reasonable attorneys’ fees and court costs) and damages arising out of any reuse of drawings, specifications or reports without SourceOne’s prior written authorization.



Publicity. Customer acknowledges and agrees that SourceOne shall have the right to use Customer's corporate name and logo in SourceOne's client roster, marketing materials and press releases unless otherwise directed by Customer not to do so.

Independent Contractor. Customer acknowledges that SourceOne is acting solely as an independent contractor and shall not have any authority to bind Customer as agent or in any other capacity.

Force Majeure. SourceOne shall be excused from delays in performing or from any failure to perform hereunder to the extent that such delay or failure results from any one or more of the following: acts of God; abnormal weather conditions or natural catastrophes; strikes, lock-outs or other industrial disturbances; acts of public enemies; war, whether or not declared; sabotage; terrorist acts; riots; civil disturbances; explosions; acts or omissions of governmental authorities; unavailability of or curtailment of fuel supplies; any interruption of electric or other utility service, or any change, interference, disruption or other defect in the supply or character of the electric energy or other utility service utilized by Customer; equipment failure arising from a manufacturing or design defect or the failure of the manufacturer or others to timely implement necessary repairs or replacements; or any other cause or event not reasonably within the control of SourceOne.

Termination. Either party may terminate the Agreement prior to completion of the Services ("Completion Date") in the event of a material breach of its terms by the other party, if such party fails to cure such breach within seven days after notice from the other party of such breach.

Assignment. Neither party may assign any rights or obligations under this Agreement without the prior written consent of the other, except to a third party pursuant to a merger, sale of all or substantially all assets, or other corporate reorganization.

Non-Solicitation. During the term of this engagement and for a period of one (1) year thereafter, each party agrees that it shall not, without the other party's consent, directly or indirectly employ, solicit, engage or retain the services of such personnel of the other party. In the event a party breaches this provision, the breaching party shall pay to the aggrieved party an amount equal to thirty percent (30%) of the annual base compensation of the relevant personnel in his/her new position, in addition to all other costs and expenses (including reasonable attorneys' fees and court costs) arising out of the breach of this provision. This provision shall not restrict the right of either party to solicit or recruit generally in the media.

Notice. All notices and other communications given or made pursuant to the Agreement shall be deemed to have been duly given or made (a) upon delivery, if sent by hand or by prepaid overnight courier service, with a record of receipt, or (b) the second business day after the date of mailing, if delivered by registered or certified mail, postage prepaid, in each case to the parties at the respective addresses set forth for them in the Proposal. Either party may change the address to which notice to it shall be addressed by giving notice thereof to the other party in conformity with the foregoing.

Governing Law. This Agreement shall be governed and interpreted in accordance with the laws of the State of Delaware, without giving effect to any conflict or choice of law provision that would result in the imposition of the laws of another jurisdiction.

Disputes. In the event of a dispute between the parties arising out of this Agreement, the parties agree to attempt in good faith to resolve such dispute through discussions between their respective senior executives for a period not exceeding fifteen days and thereafter to submit to non-binding mediation. If such dispute cannot then be resolved through mediation, either party may file a lawsuit. The parties consent to the exclusive jurisdiction of the federal and state courts of the State of Delaware in any action related to or arising out of the Agreement. Each of the parties hereby waives any right it may have to assert the doctrine of forum non conveniens or similar doctrine or to object to venue with respect to any proceeding brought in any jurisdiction specified in this paragraph, it being the intention of the parties to preclude the possibility of litigation between them with respect to this Agreement in any jurisdiction other than as specified in this paragraph. Each of the parties hereby agrees to waive all its rights to a jury trial of any claim or cause of action related to or arising out of this Agreement. The prevailing party in any such action shall be entitled to recover its reasonable attorney's fees and other costs incurred in such action, in addition to any other relief to which such party may be entitled.

Miscellaneous. If any provision of this Agreement should be held invalid or unenforceable, the remainder of the Agreement shall be enforced to the fullest extent permitted by law. The Terms and Conditions shall survive the termination of the Agreement in accordance with their terms. This Agreement represents the entire agreement between SourceOne and Customer with respect to the subject matter hereof, and supersedes any and all prior negotiations, proposals, purchase orders, representations or agreements between them, whether written or oral. Paragraph headings in the Agreement are for convenience of reference only and shall not be utilized in interpreting the Agreement. This Agreement may be executed by the parties hereto in counterparts (including by facsimile transmission), each of which shall be deemed an original but all of which together shall be deemed one and the same instrument. This Agreement may not be modified or amended except by a writing signed by an officer of SourceOne and an officer of Customer.



Resumes



Jack Griffin

Vice President and General Manager, Boston

Summary of Experience

With over 25 years of experience in the energy industry, Mr. Griffin is a highly experienced engineer and an expert in all aspects of energy systems development and application. As the Vice President and General Manager of SourceOne's Boston office, Mr. Griffin oversees all projects and operations. As a proven leader, he has played a pivotal role in growing the SourceOne business. His consulting experience includes energy efficiency, sustainability, distributed generation, district energy system development, and utility-grade design. Mr. Griffin has over 15 years of broad-based experience in both electric and gas utilities, particularly in the areas of natural gas system operations, utility operations optimization and improvement, electric and gas revenue metering, metering data management, utility rate design and analysis, energy master planning, and energy engineering. Prior to his current role, Jack was SourceOne's Director of Energy Systems. His focus on energy strategic plans, energy efficiency programs, and energy systems development strengthens his ability to make strategic business decisions, while keeping operational impact and benefits in mind. Prior to joining SourceOne, Jack held a variety of engineering, consulting and operational roles with NSTAR Electric & Gas, Boston Gas, and leading engineering consulting firms, working on all aspects of electric and gas utility operations. Mr. Griffin has spoken at several national conferences regarding utility metering systems and Automated Meter Reading (AMR) systems and the application of Combined Heat and Power systems in the marketplace. Mr. Griffin has also served as an expert witness in legal disputes specifically related to utility rate issues.

25 Years of Experience

MBA, Business Administration,
University of Massachusetts, 1993

BSME, Marine Engineering and
Marine Transportation, U.S. Merchant
Marine Academy, 1986

Certified Internal Auditor

Certified Project Management
Professional

Project Experience

Mr. Griffin's management experience spans across all aspects of energy systems development and application, and includes the following highlights:

Energy Efficiency & Energy Solutions – Mr. Griffin leads a team of accomplished professionals who develop real solutions to our client's energy supply and infrastructure issues. Our services span from providing support on energy supply decisions, identifying ways to reduce energy costs with energy audits, developing master plans for implementation of solutions, and executing projects from concept through design and into construction and operation.

Power Plant Development – Mr. Griffin lead the design and permitting team for a 64MW simple cycle power plant for the



Vineland Municipal Electric Utility (VMEU). This 64MW, \$60 million project was delivered on time and on budget, meeting all the VMEU Requirements. VMEU Director Joe Isabella stated, “SourceOne was an excellent partner in helping move this project forward.”

Gas Supply Infrastructure – Mr. Griffin’s team guided a major pharmaceutical company through the process of identifying a method of eliminating the use of liquid fuel oil at their manufacturing facility. The options spanned the spectrum of self-supply of Liquid Natural Gas, development of a multi-mile pipeline to connect to the interstate system, to engagement with the local distribution company. The solution resulted in a project that cut implementation time by over two years and supplied natural gas as required.

Distributed Generation – Mr. Griffin led a project team to re-build a 2MW distributed energy system that had catastrophically failed. The effort included the evaluation of all options, the identification of the re-build strategy, and the management of design and construction.

Utility Experience – Mr. Griffin has experience in Natural Gas City Gate Operations, distribution system renewal, natural gas metering, assessing gas, and electric utility compliance with statutes and regulations. These engagements included utility rate class application, Dig-Safe operations, seven-year gas meter exchange programs, cast-iron replacement projects, compliance with energy supplier regulations, as well as a series of other customer-related efforts.



Matthew Cinadr, CEM

Project Manager

Mr. Cinadr is an experienced engineering professional in assessing and analyzing a variety of energy utilization and resources in both supply and demand side settings. Mr. Cinadr has firsthand experience with the analysis, development, application and operations of various energy systems including both conventional, renewable and hybrid power technologies. He has been involved with the design, assessment and performance modifications of central utility plants, district energy systems, combined heating power and cooling systems, utility scale combined cycle plants, and energy efficiency measures in commercial and industrial applications.

16 Years of Experience

BS, Mechanical Engineering (Minor in Power Systems and Technological Entrepreneurship), Rensselaer Polytechnic Institute, 1999

Certified Energy Manager

Project Experience

As a Senior Project Engineer and Energy Consultant, Mr. Cinadr has developed and implemented Energy Master Plans to help clients assess, monitor and control energy costs across a wide variety of industries.

In addition, Mr. Cinadr has assisted numerous clients in understanding the energy market and navigating specific state and federal regulations pertaining to energy project permitting, project incentives, and financing support.

Prior to joining SourceOne Mr. Cinadr was responsible for a team of Energy Engineers charged with identifying, analyzing and implementing demand side projects in support of statewide performance contracts. In previous roles Mr. Cinadr focused on behind the meter combined heat and power deployments as a Project Engineer with Distributed Energy Systems.

Mr. Cinadr is a graduate of General Electric's Field Engineering program where he worked internationally on the installation, commissioning and performance tuning of combined cycle gas turbine power plants.

Mr. Cinadr is a Certified Energy Manager and holds a BS in Mechanical Engineering from Rensselaer Polytechnic Institute.



Reid Sprite, PE

Engineering Manager

Summary of Experience

Mr. Sprite manages SourceOne's Utility Engineering team. He and his team have primary responsibilities focused on design and integration of medium and high voltage systems. He has over ten years' experience in the electrical industry with municipal and investor owned electric utilities focused in the areas of transmission and power distribution, substation design, system protection, and metering. In his time at SourceOne, Mr. Sprite has become a key resource in the development and implementation of combined heat and power (CHP) plants and their integration into the existing power system. In conjunction with other distributed generation developers and local utility companies, Mr. Sprite advocates for fair and consistent interconnection standards on the Massachusetts Technical Standards Review Group. In addition, he is actively involved in public transportation advocacy and urban revitalization efforts throughout Boston.

10 Years of Experience

BS, Electrical and Computer Engineering, University of Rochester, 2005

PE in MA, RI, NH, CT, NJ, DE, TX

Project Experience

Mr. Sprite's engineering experience includes distribution equipment upgrades, HV & LV substation maintenance, facility infrastructure audit, electrical one-line development and new equipment installation projects. His abilities include: budgetary planning, conceptual development of underground and overhead distribution systems, due diligence investigations and project management for wide range of disciplines, including upgrades or installation of new facilities. Currently, Mr. Sprite is focusing his efforts on the interconnection of various renewable and alternative generation projects including; wind, solar, fuel cells, and combined heat and power (CHP) applications.

Mr. Sprite leverages highly effective engineering and operational utility experience to efficiently shepherd clients through the utility interconnection process, for both new and existing projects, while actively managing key process stakeholders. For utility customers, he has provided overall project management and electrical engineering services through the engineering, design, estimating, and construction phases of power system projects, including scheduling and cost control. Mr. Sprite is also very familiar with overhead and underground distribution design, construction, and safety practices. As an expert in electric system reliability metrics and measurement, he also relies on his broad analytical skills to generate high-quality reports that help drive key project decisions.



Alexey Cherniack

Senior Commodities Manager

Summary of Experience

Mr. Cherniack is responsible for key account management, structuring and executing commodity procurements, market analysis, and SourceOne's regulatory compliance for the Commodity Management team. Prior to joining SourceOne, Mr. Cherniack was a Senior Economist with the Massachusetts Department of Public Utilities where he provided policy recommendations to the Commission regarding cost-effective and equitable regulation of the electric power and natural gas distribution companies in Massachusetts.

10 Years of Experience

MBA, Business Administration,
University of Massachusetts, 2013

BA, Environmental Economics, Bates
College, 2005

Project Experience

As a Senior Economist with the Massachusetts Department of Public Utilities, Mr. Cherniack provided technical analysis and recommendations to Department Commissioners and he assisted in writing various high profile Department orders and rulemakings. Mr. Cherniack conducted cross examination of expert witnesses in a formal regulatory environment, often pertaining to multi-billion dollar energy investments. He has been involved in various regulatory proceedings covering electric and natural gas company rate cases, rate decoupling and capital tracker mechanisms, isolated energy investments such as long-term power contracts (e.g. Cape Wind PPA), energy efficiency program cost-benefit evaluation, and smart grid infrastructure projects. Mr. Cherniack was also the primary staff person responsible for monitoring restructured electricity markets, proposing changes, and vetting new market entrants.

Previous to his work with the Department of Public Utilities, Mr. Cherniack structured and executed natural gas and power contracts for a MA based energy procurement firm where he served as the company's sole liaison with competitive electric and gas providers. Mr. Cherniack has a deep understanding of commodities markets, contract structuring, and utility regulation. He has also received Wholesale Electric Market training from the New England Independent System Operator, and rate case training from the Center for Public Utilities at New Mexico State University.



C. Cody Lezak, PE

Project Engineer

Summary of Experience

Mr. Lezak is a licensed mechanical engineer with experience in energy efficiency consulting, building systems design, and mechanical equipment design and analysis. As part of SourceOne's Engineering Services team Mr. Lezak provides customers with detailed technical and financial feasibility studies of various energy related systems. In 2013, he received the Young Engineer of the Year award from the Champlain Valley Chapter of ASHRAE in recognition of his work assisting customers in reducing their energy consumption. He also served two terms on the Board of Governors for the Champlain Valley Chapter of ASHRAE from July, 2013 to July 2015. In addition to earning his Bachelors of Science in Mechanical Engineering degree from Lehigh University, Mr. Lezak also completed the Masters in Business Administration program with a corporate finance focus at Norwich University.

9 Years of Experience

PE, Since 2010

MBA, Business Administration,
Norwich University, 2015

BS, Mechanical Engineering,
Lehigh University, 2006

Board of Governors, ASHRAE
Champlain Valley Chapter
July 2013 – July 2015

Project Experience

As a project engineer for SourceOne Mr. Lezak has evaluated numerous PPAs on behalf of the customer, providing both technical and financial guidance. He has also developed schematic level designs for CHP plants.

Prior to joining SourceOne Mr. Lezak spent nearly 5 years implementing Demand side management programs. Working with a customer base that included manufacturing facilities, universities, and commercial retail customers, Mr. Lezak specialized in identifying, analyzing, and qualifying building systems improvements for energy efficiency program rebates, helping them to effectively reduce their annual energy consumption.

Mr. Lezak began his career as a design engineer at Voith Hydro, designing mechanical components for hydroelectric power plants. Following this, Mr. Lezak spent nearly three year designing mechanical building systems for hospitals and universities.



Seth Berkman

Marketing Coordinator

Summary of Experience

As a member of the Business Development team, Mr. Berkman is responsible for supporting SourceOne's internal sales efforts. He supports business development throughout the sales pipeline including customer prospecting, developing a strategic sales approach, proposal writing, and preparing customer interviews and presentations.

3 Years of Experience

MSc, Carbon Management,
University of Edinburgh, 2015

BA, Environmental Studies,
Washington University, 2012

ISO-NE Certification
Wholesale Energy Markets 101

Mr. Berkman also develops and manages SourceOne's online content including the company website, blog, and social media. As Marketing Coordinator, his goal is to help customers and potential customers become better educated about opportunities and challenges in energy.

Prior to joining SourceOne, Mr. Berkman completed his MSc in Carbon Management with distinction at the University of Edinburgh. Drawing from his training in carbon footprinting, greenhouse gas accounting, and emission reduction project development, Mr. Berkman also supports SourceOne's programmatic work as needed.

Project Experience

Mr. Berkman has been involved in a variety of energy projects and supports all aspects of SourceOne's service offerings including: smart metering, utility invoice management, energy efficiency auditing, combined heat and power feasibility studies, electricity and natural gas procurement, and renewable energy studies.

Case Studies



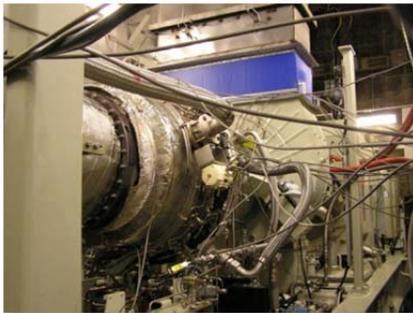
Project Metrics

5.3 MW cogen plant size

27,000 lbs/hr peak thermal
(unfired)

\$12 million project capital

36,000 metric tons / year
carbon reductions



Biogen Inc., Cambridge, MA

Cogeneration Design/Implementation and Commodity Procurement

Business Challenge

A world leader in research and development of cancer treatment drugs required a solution for the high price and poor reliability of utility service at the campus of their world headquarters. At the time of their search, their entire campus was being serviced with thermal energy from a single source, whose financial longevity was questionable. With this single point of failure in mind, the customer began their search for a reliable long term solution that would support their growth and critical operations.

SourceOne Solution

SourceOne, Inc. developed and presented a solution to include a new central energy plant to serve six buildings with electricity and five with high pressure steam. SourceOne completed the installation and commissioning of a 5.3 MW cogenerating unit. The operation of the cogenerating plant serves the entire thermal load and majority of the electric load of the customer’s campus.

SourceOne managed the entire cogeneration effort including all business plan development, oversight of resource selection, negotiation with the affected LDC (NSTAR Electric & Gas Corporation), all gas provisioning, securing the interconnection approvals and all necessary environmental permitting. SourceOne continues to actively track the carbon reductions that have been achieved due to the operations of the on-site generation.

Results

Implementation of a central energy plant and cogeneration system provided the customer with a more reliable and cost effective way to provide energy across its campus. The operation of a central plant also enabled them to implement additional conservation projects that have enhanced the value of the investment. As a result of this project the customer has carbon reductions totaling approximately 36,000 metric tons per year.



Town of Simsbury, CT

Grant Application Support for Microgrid Funding

Business Challenge

In an effort to support local distributed energy generation for critical facilities, the Department of Energy and Environmental Protection (DEEP) established the Connecticut Microgrid Program. This program offered funding to facilitate the creation of community microgrids throughout Connecticut, thus increasing the state’s overall resiliency. The town of Simsbury, CT, having recently been exposed to multiple episodes of severe weather which caused widespread grid outages, sought to create a community microgrid. The town reached out to SourceOne for expert support in compiling the detailed grant application.

Project Metrics

5 alternative microgrid scenarios considered

227 kW critical load served

SourceOne Solution

SourceOne worked with the Town of Simsbury through each step of the grant application process, providing support through technical expertise and industry experience. SourceOne assessed the town of Simsbury’s critical assets, developed conceptual designs, and compiled pro-formas and payback periods for several potential scenarios.



Through interfacing with representatives of the town of Simsbury, SourceOne surveyed the town’s assets and identified generation assets to power the proposed microgrid, as well as compiled a list of facilities deemed ‘critical’ to be included in the proposed microgrid. From there, SourceOne completed a conceptual electrical distribution layout and high-level cost estimate for a proposed microgrid incorporating Simsbury’s critical facilities. Throughout this development process, SourceOne tailored its recommendations to the requests of the town, considering the feasibility of specific alternatives like overhead vs. underground cables. SourceOne prioritized the facilities that the town indicated as crucial. SourceOne worked directly with the local utility to ensure that the proposed protection equipment would be properly sized per National and Connecticut Electric Codes, thus ensuring that the proposed microgrid would not negatively impact other customers on the grid.



Results

SourceOne successfully submitted the town of Simsbury’s grant application to DEEP before the deadline. The town of Simsbury was selected from 36 applicants to advance to the next round of assessment in the Connecticut Microgrid Program. Representatives of the town of Simsbury reached out to SourceOne for support in subsequent phases of the grant application process.



New York University, New York City, NY Cogeneration Plant Expansion Owner's Representative

Project Metrics

- 13.4 MW** peak cogen plant size
- \$5 million** annual energy cost reduction
- 43,400** estimated tons per year CO₂ emissions reduction
- \$125 million** project capital
- 120,000 lbs/hr** peak thermal
- 10,000 tons** peak cooling
- 22** buildings with cogenerated electric
- 37** buildings with thermal service

Reference

John Bradley
Assistant Vice President
New York University
Energy, Engineering & Technical
Services
740 Broadway, 6th Floor
New York, NY 10003
(212) 998-1416

Awards

2013 U.S. Environmental Protection Agency (EPA), Energy Star Combined Heat and Power (CHP) Award

Business Challenge

In order to meet the increasing demands for electricity, New York University (NYU) decided to expand its existing cogeneration plant on the Greenwich Village campus from 7000 kW to 13,400kW. The expansion would allow for the University to generate its own electricity to accommodate additional buildings on campus. The expansion also supports the University's Climate Action Plan to reduce the University's GHG emissions and enhance its overall sustainability.

SourceOne Solution

SourceOne served as the Owners Representative for the re-development of NYU's existing 7000 kW cogeneration plant to support the additional electrical, steam and hot water needs for the campus. The NYU site consists of over 50 buildings. As Owner's Representative, SourceOne provided technical review, financial evaluation, contract development, assembly of development team, and utility liaison. SourceOne's technical and economic evaluation of the project concept plan entailed review and analysis of equipment selection, space allocation, preparation of a financial pro-formas, and development of facility load profiles. In addition, SourceOne assisted NYU in utility budgeting for the campus and commodity procurement, including electricity, natural gas, and oil.

With two combustion turbines, two heat recovery steam generators, and a steam turbine, the expanded CHP system generates up to 90,000 pounds of steam per hour and 13.4 MW of electricity. The system serves the electrical needs for 22 campus buildings and steam and hot water for 37 campus buildings.

Results

The expanded cogeneration plant was built on time and on budget to support NYU's increased electrical demand, resulting in a \$5 Million annual reduction of the University's energy costs.

By producing its own energy, the cogeneration plant generates an operating efficiency of nearly 75 percent and prevents an estimated 43,400 tons per year of CO₂ emissions. By reducing demands on existing transmission and distribution infrastructure, the CHP system also helps support Electric Grid stability. Finally, NYU is also able to sell excess electricity to Con Edison when campus demand is low, resulting in additional savings. The new



CHP system provides localized, reliable, electrical capacity allowing NYU to generate its own electricity, remain independent from the Electric Grid, reduce emissions, and save money.

Following the successful completion of the expansion in 2010, this project represented the largest renewable energy purchase of any college or university, as determined by the United States Environmental Protection Agency. By engaging SourceOne to act as Owner's Representative, NYU was able to rely on true energy and engineering experts to guide them through planning and implementation.



NYU's decision to generate its own power proved to be an extremely important advantage following 2012's Hurricane Sandy. In the fall of 2012, Hurricane Sandy, left millions without heat and power and caused \$50 billion in damages. While the majority of Manhattan was without power, most of NYU's Greenwich Village campus had electricity, heat, and hot water. NYU was able to generate electricity and heat on its own from their cogeneration plant, highlighting district energy and CHP as a sustainable energy model.

In 2013, the U.S. Environmental Protection Agency (EPA) awarded NYU with the Energy Star Combined Heat and Power (CHP) Award. As one of five award recipients, the EPA selected NYU for its efforts in reducing emissions and increasing energy reliability and efficiency for its cogeneration plant. "Our Energy Star CHP award winners are better serving their students and patients while safeguarding the environment," said Gina McCarthy, Assistant Administrator for EPA's Office of Air and Radiation. "These institutions are protecting their critical operations from power outages and our climate from harmful carbon pollution with more reliable and more efficient CHP systems."



Town of Hempstead, Long Island, NY

Energy Efficiency and Conservation Block Grant Management

Business Challenge

Located on the western south shore of Long Island, New York, the Town of Hempstead is a leader in renewable energy demonstration and education. As an early adopter of renewable technologies, the Town initiated a solar photovoltaic (PV) project in 2005. This project encouraged the Town to explore additional renewable energy alternatives and the concept of an energy park. Renewable energy parks not only provide a source of reliable, locally-produced clean energy, but they also contribute to eco-tourism and serve as an educational resource to local schools, universities and business groups. Recognizing the need for additional funding and guidance, the Town sought advice from energy consulting experts.

SourceOne Solution

The Town engaged SourceOne in 2011 to serve as the program manager, providing technical and fiscal guidance to secure and administer grant funds and develop multiple energy technologies for a new energy park in Point Lookout, NY. SourceOne worked with the Town of Hempstead to secure an Energy Efficiency and Conservation Block Grant (EECBG) in the amount of \$4,577,700, funded through the American Recovery and Reinvestment Act (ARRA) of 2009. The EECBG is administered by the U.S. Department of Energy (DOE) and was created to assist U.S. cities, counties and states to develop, promote, implement and manage energy efficiency and conservation projects and programs. SourceOne has served as the grant administrator, on behalf of the Town of Hempstead, to administer the EECBG and execute the Town of Hempstead's Energy and Environmental Conservation Strategy. Services included grant administration support, compliance, RFP preparation, contractor selection, construction oversight, schedule and budget management, DOE reporting, and the development of a metering data acquisition system.

Project Metrics

- \$4.6 million project budget
- >30 contractors/vendors
- > 2 year engagement
- ~150kW solar photovoltaic arrays
- 100kW wind turbine
- 6 building lighting & HVAC retrofits
- >300 electric and gas utility accounts



SourceOne supported the Town with the development and implementation of several clean energy projects, sustainability and conservation initiatives. The majority of these projects are concentrated within the energy park. They include various solar



photovoltaic (PV), solar thermal, and geothermal technologies; a hydrogen refueling station powered by wind energy; EV charging; a net-zero energy office; and an off-grid capable solar/wind shellfish aquaculture facility.

SourceOne helped execute the Energy and Environmental Conservation Strategy by providing:

- Energy and Green House Gas Database
- Energy and Sustainability Master Plan
- Building Audits and Retrofits:
 - ✓ HVAC & Lighting Retrofits.
 - ✓ Geothermal System.
- Solar Photovoltaics (PV):
 - ✓ 60kW Ground Mount Solar Array.
 - ✓ 20kW Bifacial Solar Carport.
 - ✓ 33kW Rooftop Solar Array.
 - ✓ Single & Dual Axis 3kW Solar Trackers.
 - ✓ 20kW Solar Carports with Electric Car Chargers.
- Outreach and Education:
 - ✓ Website Media. Outreach / Signage.
 - ✓ Clean Energy Data Acquisition System.
 - ✓ Residential Fluorescent Light Bulb Exchange Program.
- Fleet Anti-Idling Technology
- Wind to Hydrogen Conversion
- Metering data acquisition system
- 100kW Wind Turbine

“Hempstead Town is excited to be expanding its clean energy legacy and pursuing initiatives that will complement our environmental conservation efforts. From education and demonstration initiatives to effective clean energy solutions and community outreach, America’s largest township is proud to work with SourceOne to address energy needs while reducing our carbon footprint at the same time.”

- Kate Murray
Town Supervisor
Town of Hempstead

Results

SourceOne supported the Town through the completion of \$4.2 million in projects from the Energy and Environmental Conservation Strategy. SourceOne also helped obtain approximately \$200,000 in utility rebates for additional clean energy projects. In addition to lowering the Town’s carbon footprint and providing energy savings, the energy park is a valuable community resource for education.

The Town is currently working with local educational institutions and establishing a team to provide regular tours of the energy park to leverage the educational benefits that the park offers and to promote renewable, clean energy projects. Raising public awareness and understanding on the benefits of renewable energy technology helps to foster their future development.

Related Management: Hudson Yards



CHP Project Development and Design Services

Project Metrics

17,560,000 total square footage

13.2 MW cogeneration plant

4 buildings with cogenerated thermal power

28% more efficient than ASHRAE/IESNA Std. 90.1-2007

Business Challenge

Hudson Yards, the largest private real estate development in the history of the United States, is to be comprised of seven buildings with over 17,000,000 square feet of commercial, residential, and retail space. With such a large service area situated on some of the most valuable real estate in the world, the owners and developers of this project made it a priority to ensure reliable, efficient power supply to the buildings on its campus.

SourceOne Solution

SourceOne was selected to serve as *Owner's Representative* for the development of a Combined Heat and Power (CHP) plant at Hudson Yards, working as a liaison between Related Management and the owner of the project. In this role, SourceOne performs the following tasks:

- evaluates economic feasibility of the project,
- oversees project management,
- evaluates technical and sustainable quality of the overall design, construction, and commissioning plan of the CHP,
- develops and manages the project schedule,
- coordinates governing and regulatory authority compliance, and



In essence, SourceOne works alongside the key players involved in this development to ensure that a microgrid solution will successfully supply electric and thermal power to the buildings of Hudson Yards. SourceOne's expertise in the energy industry in general and the use of CHP in microgrids in particular allows for optimization of the design and implementation of this 13.2 MW cogeneration system. In this way, SourceOne's support will contribute to the efficiency and resiliency of Hudson Yards as a whole.



Results

When the construction of 10 Hudson Yards and 30 Hudson Yards is complete, they will achieve Gold certification under the LEED 2009 rating system for Core and Shell. This is due largely to the efficient 13.2 MW CHP plant that will supply electric power to two buildings on the campus and thermal power to four. This microgrid configuration will make two of the buildings on the campus entirely grid-independent and therefore highly resilient in the event of a grid outage.