

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:	:	
	:	
APPLICATION OF HADDAM QUARTER	:	DOCKET NO. 505
SOLAR, LLC FOR A CERTIFICATE OF	:	
ENVIRONMENTAL COMPATIBILITY AND	:	
PUBLIC NEED FOR THE CONSTRUCTION,	:	
OPERATION AND MAINTENANCE OF A	:	
2.8 MW/AC SOLAR PHOTOVOLTAIC	:	
PROJECT OFF HADDAM QUARTER	:	
ROAD AND JOHNSON LANE IN	:	
DURHAM, CONNECTICUT	:	SEPTEMBER 21, 2021

PRE-HEARING SUBMISSION OF
HADDAM QUARTER SOLAR, LLC

Haddam Quarter Solar, LLC, a wholly-owned subsidiary of Louth Callan Renewables (“LCR”), hereby provides the Connecticut Siting Council (“Council”) with the following pre-hearing information available at this time regarding the above-referenced Application.

A. List of Witnesses

1. James Saleh, Business Development Manager, Louth Callan Renewables
2. Graham Basecke, Project Manager, Louth Callan Renewables
3. Kyzer Gardiola, Director of Engineering, Louth Callan Renewables
4. Gerard Neely, Director of Business Development, Madison Energy Investments
5. Jin Tao, P.E., All-Points Technology Corp. P.C.
6. Jennifer Gaudet, Zoning Specialist, All-Points Technology Corp. P.C.
7. Dean Gustafson, Senior Wetland Scientist and Professional Soil Scientist, All-Points Technology Corp. P.C.

B. Exhibits to be offered

LCR intends to offer the following Exhibits:

1. Application including ten (10) attachments for a Certificate of Environmental Compatibility and Public Need filed by LCR dated July 9, 2021.
2. Bulk file exhibits including:
 - a. LCR's "Technical Report" dated January 26, 2021, filed with the Town of Durham;
 - b. Town of Durham Zoning Regulations;
 - c. Town of Durham Inland Wetlands and Watercourses Regulations; and
 - d. Town of Durham Plan of Conservation & Development.
3. LCR's Affidavit of Publication dated July 15, 2021.
4. LCR's Supplemental Certificate of Service dated July 15, 2021.
5. LCR's Responses to Interrogatories from the Council dated September 9, 2021.
6. Sign Posting Affidavit filed on September 16, 2021.
7. LCR's signed Protective Order dated July 29, 2021.
8. Resumes and CVs of CLR's witness panel:
 - a. James Saleh;
 - b. Graham Basecke;
 - c. Kyzer Gardiola, P.E.
 - d. Gerard Neely;
 - e. Jin Tao, P.E.;
 - f. Jennifer Gaudet; and
 - g. Dean Gustafson

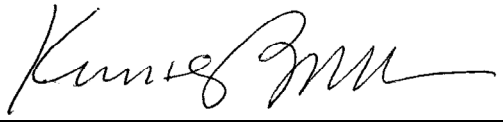
LCR reserves the right to offer additional exhibits, testimony, witnesses and administratively noticed materials as new and pertinent information and materials come to its attention and in rebuttal to positions taken by the Council, parties or intervenors.

C. Remote Public Comment Session

Prior to the start of the Remote Public Comment Session, James Saleh, LCR's Business Development Manager, will make a brief presentation describing the site features and proposed site improvements. Mr. Saleh will refer to the Overall Locus Map, Sheet OP-1 and Site and Utility Plan Sheet SP-1, included in Attachment 6 of the Docket No. 505 Application. Electronic copies of Plan Sheets OP-1 and SP-1 are attached to this filing.

Respectfully submitted,

HADDAM QUARTER SOLAR, LLC

By: 

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597
Its Attorneys

CIRRICULUM VITAE

JAMES SALEH

DEVELOPMENT MANAGER

JAMES IS AN ACCOMPLISHED C LEVEL OFFICER AND BUSINESS OPERATOR HIGHLY EFFECTIVE AT DRIVING STRATEGIC INITIATIVES WITH SOLID FINANCIAL BACKING. LEVERAGING NEARLY 30 YEARS OF EXPERIENCE IN DYNAMIC EXECUTIVE LEVEL ROLES. JAMES' ACHIEVEMENTS ACROSS SALES, MARKETING, ADVERTISING AND EXECUTIVE MANAGEMENT SUPPORTS LOUTH CALLAN RENEWABLES AS THE DIRECTOR OF BUSINESS DEVELOPMENT. IN THIS ROLE HE MANAGES THE DEVELOPMENT TEAM AND OVERSEES ALL PROCESSES OF PROJECT ORIGINATION. READY TO APPLY TOP-NOTCH ANALYZING, DEVELOPING, AND IMPLEMENTING SKILLS TO ASSIST THE COMPANY IN ACHIEVING EXPONENTIAL GROWTH. JAMES ATTENDED THE UNIVERSITY OF MISSISSIPPI WHERE HE STUDIED MANAGERIAL FINANCE.

James Saleh

Business Development Manager

Direct: (404) 429-0769

Phone: (860) 814-4379

www.louthcallanrenewables.com

Graham Basecke

P: (417) 766-9608 | E: GBasecke@gmail.com | Denver, CO

SUMMARY

Multifaceted, driven and reliable professional with experience in solar development, project management, environmental consulting, geotechnical engineering and energy efficiency. Excels at communicating with clients and conveying completed, active and future projects.

SKILLS

Project Management • Client Relations • Solar Development • Microsoft Office • Solar Energy Site Infrastructure • GIS • Team Oriented • Detail Oriented • Invoicing • Cost Estimates • Project Tracking • Google Earth • Surveying • Solar Installation • Personal: Mountain Biking, Guitar, Golf, Snowboarding, Certified Scuba Diver

EXPERIENCE

LOUTH CALLAN RENEWABLES | Denver, CO

Senior Project Manager – Development

Mar 2021 – Present

Oversee all development activities for ground mount solar assets nationwide. Manage development assets from after origination into construction. Engage with municipalities, consultants, utilities, and partners to see projects through in the development process for commission approval.

- Manage Louth Callan Renewables' ground mount portfolio, which includes 60+ projects across 10 states.
- Organize and obtain numerous permits and studies which includes: wetlands, phase 1 ESA, ALTA & Topo surveys, SHPO, USFWS, FAA, Building and Electrical.
- Work with multiple internal departments to create zoning applications for notice to proceed designation.
- Conduct local or state level government outreach to gain a better understanding of energy politics and current legislative policy in relation to renewable energy.

TASMAN GEOSCIENCES | Denver, CO

Project Scientist – Assistant Project Manager

Feb 2016 – Mar 2021

Assisted and managed with Noble, Noble Midstream, SRC, and DCP energy portfolios, which includes system development/ installations; communicating/negotiations with clients, landowners, regulators, and consultants; invoicing; data management; technical writing; permitting; QA/QC; cost estimates; land/access agreements; and scheduling.

GROUND ENGINEERING CONSULTANTS | Denver, CO

Engineer Technician

Apr 2015 – Feb 2016

Mastered the basics of business management and was introduced to a professional working environment.

EDUCATION

UNIVERSITY OF MISSOURI – COLLEGE OF NATURAL RESOURCES | Columbia, MO

2014

Bachelor of Science: Soil, Environmental and Atmospheric Sciences, Concentration Land Management

Publications: "Protecting the Rainforests of the Oceans", Artifacts Journal, June 2014

SEI & Heatspring Classes: 2019 – Present. Utility Scale Solar Construction and Project Management | Designing Utility Scale Solar w/ PVcomplete | PV Project Development Using Retscreen 4

Kyzer Oliver H. Gardiola

15 Hawthorne Rd, Dover, NH 03820

kyzergardiola@gmail.com | (203) 507-6630 | <https://www.linkedin.com/in/kgardiola/>

CERTIFICATION

Engineer in Training Certified (EIT), Connecticut Board License #EIT.0011977

January 2018 – Present

EXPERIENCE

Louth Callan Renewables, 921 Thrall Ave, Suffield, CT 06078

July 2021 – Present

Director of Engineering

Leading professional engineering and product teams designing solar and storage solutions at commercial and utility scale

- Responsible for engineering leadership and support of all engineering activities from preliminary sales and development activities to final construction design and planning
- Direct management of Development engineering, Civil Engineering, Electrical Engineering, and technical lead for field operations
- Improve and maintain all engineering processes
- Maintain existing and develop new client partnerships for Engineering and EPC services

Invaleon Technologies Corporation, 26 Parkridge Road, 1B, Haverhill, MA

October 2017 – June 2021

Director of Engineering and Operations

Motivated executive team member responsible for overseeing crucial engineering, procurement and construction aspects of commercial scale PV projects

- Work closely with project owners/developers and internal project management team to establish a workflow for all future PV projects, specific to the parties' contractual requirements
- Oversee and manage the engineering staff responsible for interconnection, permitting, and construction set design working
- Remain engaged in latest developments in code compliance, utility interconnection requirements, and market incentive programs
- Responsible for project tracking, resource allocation, and managing procurement timelines of active projects
- Hold weekly field construction meetings for progress updates and look ahead schedules
- Develop and manage site specific safety protocols
- Manage all subcontractor RFP submittal and approval process
- Responsible for upholding all project required milestone submittals including testing coordination, third party testing and certification, and utility close out documentation

Solar Energy Systems Engineer

Provide conceptual and detailed design, procurement specification, design review, construction oversight, and engineering support for commercial scale photovoltaic (PV) systems

- Conduct preliminary site visits to assess feasibility of PV system and provide initial system design to client
- Develop detailed layouts and engineering design packages for solar PV systems
- Lead the project interconnection approval process as the primary point of contact with the interconnecting utilities from the application process through final design approval
- Develop and maintain all construction documentation from start to finish and provide engineering support for construction team
- Conduct testing and provide a detailed report of PV systems post construction to ensure final product conforms to client's objectives and requirements

Midstate Electronics, 71S Turnpike Rd, Wallingford, CT

July 2017 – October 2017

Operations Engineer

Redesign current processes and infrastructure to implement AS9100 quality standards

- Improved operation quality by studying, evaluating, and recommending process re-design and continuous improvement plans
- Created standardized work instructions for each department's processes
- Worked closely with department heads and CEO in development, execution, and evaluation of KPIs that provided strategic business direction and key efficiencies
- Provided necessary training for other employees to allow a complete integration of redesigned processes required by the QMS

Stanley Black and Decker, Stanley Access Technologies, 65 Scott Swamp Rd, Farmington, CT

May 2015 – August 2016

Mechanical Engineer Intern

Intern for the Stanley Access Technologies engineering team to support the product development of automatic doors

- Supported the manufacturing and assembly of functioning product prototypes with over 250 hours of hands on lab experience
- Generated multiple design iterations of components to refine the product's functionality and increase cost savings
- Developed the *Engineering Training and Standards* document to unify all departmental engineering practices and standardize procedures

EDUCATION

Quinnipiac University, School of Engineering, Hamden, CT

2013 – 2017

Bachelor of Science in Mechanical Engineering, Minor in General Business and Mathematics

CORE COMPETENCIES

Computer: AutoCad, PVsyst, Solidworks, ProE/Creo, Windchill PDM, MATLAB with Simulink, LabVIEW, MS Office Suite, MS Project, MS Access, and Cetec ERP System

Fabrication: CNC/Knee Mill, Lathes, Drill Press, Band Saw, Sheer/Roll/Brake, Hand and Power Tools, 3D Printer

Languages: Fluent in English and Tagalog (Filipino)

Other: Data Analysis, Mathematics, Documentation and Reports, Trouble Shooting and Diagnosis, Emotional Literacy, Leadership, Communication, and Self-Development

CIRRICULUM VITAE

GERARD NEELY

DIRECTOR

[GNEELY@MADISONEI.COM](mailto:gneely@madisonei.com)

GERARD WORKS IN BUSINESS DEVELOPMENT IN MADISON ENERGY INVESTMENTS' NEW YORK CITY OFFICE. HE WORKS WITH PARTNERS AND CLIENTS TO HELP DELIVER TURNKEY SOLUTIONS FOR SOLAR DEVELOPMENT ACROSS ALL MARKETS. GERARD PREVIOUSLY MANAGED THE MARYLAND COMMERCIAL PACE PROGRAM AND HELPED DEVELOP C-PACE MARKETS ACROSS THE MIDWEST AND OTHER MARKETS. GERARD WAS SELECTED AS A FELLOW AT THE CLEAN ENERGY LEADERSHIP INSTITUTE THAT RECRUITS AND DEVELOPS YOUNG PROFESSIONALS WITH STRONG WORKING KNOWLEDGE OF ENERGY MARKETS AND POLICY. WHILE IN GRADUATE SCHOOL, GERARD WORKED IN THE UK'S HOUSE OF LORDS CONDUCTING RESEARCH AND EDUCATION ON ELECTRICITY MARKET REFORM POLICY. GERARD RECEIVED HIS B.A IN POLITICAL SCIENCE AND HISTORY FROM WAKE FOREST UNIVERSITY AND HOLDS A M.A. IN INTERNATIONAL POLITICAL ECONOMY FROM KING'S COLLEGE LONDON.

Gerard K. Neely

Director, Business and Market Development

Madison Energy Investments

110 Greene Street, Suite 901

New York, New York 10014

D: +1 646 760 9248 x1006 | M: 443 910 4932

gneely@madisonei.com

www.madisonei.com



General Background

Mr. Tao is a civil engineer with more than eight years of experience on a variety of development projects. His project experience includes design of numerous solar projects in New England.

His expertise includes preparing site/civil plans, earthwork and grading design, and stormwater management design and permitting. He also assists clients with preparation and processing of local permit applications materials.

Representative Project Experience

Solar Array Projects

Jin has served as the lead designer for over 30 ground mounted solar arrays in Connecticut and Massachusetts. In that role, his responsibilities include development of site designs based on natural resource and regulatory constraints, pre-/post-condition drainage analysis and stormwater design, erosion prevention and sediment control design, preparation of site plans, and permitting coordination with the relevant state and local agencies. Project activities also include preparation of Stormwater Pollution Control Plans consistent with CT DEEP requirements of permit applications to secure a General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities.

Eversource Transmission Line Rebuild Projects

Jin has served as lead engineer for the development of the stormwater management drawings and permit applications for structure maintenance and replacement in transmission line rights-of-way. He develops the layout and grading of work pads and access roads, including erosion and sedimentation control design, for the reconstruction of transmission lines. Project activities also include preparation of Stormwater Pollution Control Plans consistent with CT DEEP requirements of permit applications to secure a General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities.

Education

Johns Hopkins University, M.S. Environmental Engineering
Johns Hopkins University, B.S. Environmental Engineering

General Background

Ms. Young Gaudet has been assisting clients in regulatory, siting and permitting efforts for 35 years, first as an attorney and subsequently as a consultant. She has represented telecommunications companies and tower developers before the Connecticut Siting Council and the Connecticut Department of Public Utility Control (now Public Utility Regulatory Authority). Prior to that, she served as a hearing officer at the DPUC. She is retired from the Connecticut Bar.

Jennifer's areas of expertise include siting and permitting, both state and local; site selection; and municipal and agency relations. She has managed numerous controversial development projects, with responsibility for coordination of multi-discipline project teams as well as outside parties, and development of strategy and presentation. Jennifer has frequently testified before state and local jurisdictions, including the Connecticut Siting Council.

Representative Project Experience

Verogy Solar 2020 Program, Connecticut

Jennifer served as Project Manager for two of five concurrent solar projects of 1.9 MW each in northwestern Connecticut, with responsibility for completion of the environmental assessment document, a key component of the Connecticut Siting Council application. She advised the client on strategies for visibility mitigation and management of municipal and neighbor feedback, and worked with the client and outside counsel in preparation of the Connecticut Siting Council petitions and responses to Connecticut Siting Council interrogatories.

Siting and Permitting Services, Wireless Telecommunications Facilities, Connecticut

Jennifer has managed tower development projects under Connecticut Siting Council jurisdiction for over 25 years of wireless site development. She developed regulatory strategies, coordinated multi-discipline teams, and negotiated with competitors, opponents and municipalities. She was involved in every stage of these projects, from target area identification and site selection through final building permit approval. Jennifer served as the point of contact with host municipalities. In that role, she managed the presentation of projects to officials both prior to and during statutory consultation periods, conducted informational sessions and responded to public concerns and inquiries.

In addition, she has prepared hundreds of filings for site modifications.

Permitting Services, Fuel Cell Installations, Connecticut

Jennifer has provided permitting services in connection with over 15 fuel cell projects in Connecticut. She serves as the client's representative to host municipalities in the pre-application phase of the projects, seeking feedback prior to submission to the Connecticut Siting Council. She is also responsible for preparation of the Connecticut Siting Council petitions.

Historical Due Diligence Contacts, Connecticut

Jennifer is responsible for compliance with notification requirements on behalf of APT's clients under Section 106 of the National Historic Preservation Act. She identifies appropriate contacts and responds to queries and comments from municipal officials and members of the public.

.....
Education

University of Connecticut, J.D.
Mount Holyoke College, A.B. History and Political Science

General Background

Mr. Gustafson has been the lead wetlands and soil scientist on more than 1,200 development projects in Connecticut and Western Massachusetts over more than 30 years. His work includes the identification of flora and fauna and evaluation of wildlife habitat functions in both wetland and terrestrial systems, including focused avian, mammalian, invertebrate and herpetofauna surveys using both active and passive methods. Dean also performs targeted surveys for sensitive, rare and listed species to resolve potential conflicts with proposed developments in coordination with state and federal agencies. In addition, Dean has extensive experience in performing herpetological surveys, including vernal pool investigations and evaluations. His background includes NEPA/CEPA documentation, wetlands (delineation, evaluation, mitigation design, monitoring, stream restoration, and local, state and federal permitting), water-quality investigations, coastal-zone-management studies, and natural-resource and ecological evaluations.

Dean has particular expertise in wetland identification, soil mapping, soil classification, vegetative and hydrology surveys, and wetland impact assessment, mitigation design and oversight, and has extensive experience in local, state, and federal wetland permitting. Dean has consulted on numerous projects that involve soils-related issues such as erosion and sediment control planning, vegetative soil stabilization and storm water management BMP evaluation and selection, and has served as the Environmental Compliance Monitor on several Connecticut Siting Council approved projects. His water quality experience includes stormwater studies for compliance with National Pollution Discharge Elimination System (NPDES), Section 401 Water Quality Certification, and the 2004 Connecticut DEP Stormwater Quality Manual.

Representative Project Experience

Bloomfield BOE – CT SCEF Pilot Program

Dean served as the lead wetland scientist for the design and permitting of this 2 MW solar array that was the first project completed under Connecticut's Shared Clean Energy Facility Pilot Program. The project required local and USACOE wetland permitting as a result of being sited in a wet meadow. Project responsibilities included wetland delineation, function and value assessment, wetland mitigation design, local and federal wetland permit preparation, expert witness testimony, construction monitoring and wetland mitigation monitoring.

Solar Array Projects, Connecticut

North Canaan, CT – 2.80 MW; Thompson, CT – 3.75 MW; Pawcatuck, CT – 25.0 MW; Sprague, CT – 20.0 MW; Durham, CT – 2.0 MW; Middletown, CT – 1.9 MW; Old Lyme, CT – 1.9 MW; Old Saybrook, CT – 1.9 MW; East Hampton, CT – 1.9 MW; North Canaan, CT – 1.9 MW; North Branford, CT – 1.9 MW; Torrington, CT – 1.9 MW; Watertown, CT – 1.9 MW; Bristol, CT – 3.0 MW; Southington, CT – 4.7 MW; East Windsor, CT – 4.9 MW

Dean served as the lead biologist for the development of numerous commercial-scale solar facilities throughout Connecticut. Project responsibilities included wetland delineation, function and value assessment, wetland mitigation design, federal wetland permit preparation, rare species surveys and consultations with the Connecticut Department of Energy & Environmental Protection Natural Diversity Data Base, vernal pool surveys, project impact evaluations, construction and wetland mitigation monitoring and Siting Council petition support.

Solar Array Projects, Massachusetts

Pittsfield, MA – 1.75MW; Charlton, MA – 0.50MW; Monson, MA – 6.50MW Leicester, MA – 3.25MW; Sutton, MA – 1.70MW; Warren, MA – 8.30MW; Pittsfield, MA – 3.95MW

Dean served as the lead wetland scientist for the development of a series of commercial-scale solar projects throughout Massachusetts. Project responsibilities varied by project, but included wetland investigations, vernal pool surveys, project impact evaluations, mitigation design, preparation of Request for Determination of Applicability and Notice of Intent applications under the MA Wetlands Protection Act regulations, expert witness testimony, and construction monitoring.

Siting, Licensing and Permitting Consulting Services – Eversource Energy

Since 2016, Dean has assisted Eversource Energy in a variety of projects, providing and overseeing: pre-acquisition due diligence activities; natural resources inventories of existing flora and fauna; habitat evaluations; wetland delineations and impact analyses, mitigation designs, and permit compliance monitoring; vernal pool surveys and assessments; rare species surveys; site development feasibility assessments; erosion and sediment control planning and construction monitoring; vegetative soil stabilization and storm water management BMP evaluations and selection; and, preparation of technical documents (including applications to the Siting Council, municipalities, and state and federal regulatory agencies) and state and federal regulatory permitting applications. He has assessed and permitted bulk power substations, transmission lines/structures, underground utility installations, and existing facilities requiring upgrades. .

CPV Towantic Energy Center, Oxford, CT

As the lead scientist responsible for performing wetland investigations, wetland evaluations, wetland mitigation design and rare species surveys for a proposed 785 MW dual-fueled combined cycle electric generating facility, Dean prepared the federal wetland permit application and secured Section 404 and 401 authorizations from the Army Corps of Engineers New England Division and Connecticut Department of Energy & Environmental Protection. Dean was also responsible for developing a wetland mitigation plan, which consisted of two constructed stormwater wetland systems to compensate for the project’s unavoidable wetland impacts, as well as coordinating regulatory approval for payment into the Audubon CT In Lieu Fee Wetland Mitigation Program. Dean provided supporting application materials to the Connecticut Siting Council and expert testimony at numerous hearings.

.....
Education

University of Massachusetts, B.S. Plant and Soil Sciences

Graduate coursework, University of New Hampshire

Affiliations

Member, Town of Lebanon, CT Inland Wetlands and Watercourses Commission (since 1995)

Registrations

Professional Soil Scientist, Society of Soil Scientists of Southern New England (since 1988)

Connecticut Association of Wetland Scientists.

Association of Massachusetts Wetland Scientists.