PETITION OF LSE PYXIS LLC ("LODESTAR ENERGY") FOR A DECLARATORY RULING THAT NO CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED IS REQUIRED FOR THE CONSTRUCTION, OPERATION, AND MAINTENANCE OF A 4 MW AC SOLAR PHOTOVOLTAIC FACILITY IN NORFOLK, CONNECTICUT

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STATE OF CONNECTICUT SITING COUNCIL

PETITION OF LSE PYXIS LLC FOR A DECLARATORY RULING THAT NO CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED IS REQUIRED FOR THE CONSTRUCTION, OPERATION, AND MAINTENANCE OF A 4 MW AC SOLAR PHOTOVOLTAIC FACILITY IN NORFOLK, CONNECTICUT

PETITION NO. _____

October 27, 2022

I. INTRODUCTION

Pursuant to Conn. Gen. Stat.§§ 4-176 and 16-50k(a) and Conn. Agencies Regs. § 16- 50j-38 *et seq.,* LSE Pyxis LLC, a Connecticut limited liability company ("Lodestar" or "Petitioner") requests that the Connecticut Siting Council ("Council") approve by declaratory ruling the location, construction, operation, and maintenance of a solar photovoltaic facility capable of up to 4 MW AC, and associated equipment ("Project") consisting of approximately 13.6 acres of fenced in solar panels. The total project spans about 13.6 acres (inclusive of all of solar panels, transformers, electrical switchgear, monitoring equipment, and access roadways) to be constructed on: 1) an approximately 149 acre parcel located at 599 Greenwoods Road East, Norfolk, Connecticut, also known as assessor's parcel #002196729; and 2) an approximately 31.2 acre adjacent, second parcel owned by the Town of Norfolk but located in the Town of Colebrook known as 562 Colebrook Road, assessor's parcel #100571 and collectively referred to as the "Project Site." The Project Site is actively utilized as the Town of Norfolk's transfer station and related materials storage, is developed with a telecommunications tower (docket #320) which remains operational. The remainder of the Project Site is comprised of the capped landfill associated with the Project Site and unused, undeveloped land.

Conn. Gen. Stat. § 16-50k(a) provides:

> Notwithstanding the provisions of this chapter or title 16a, the council shall, in the exercise of its jurisdiction over the siting of generating facilities, approve by declaratory ruling... the construction or location of any customer-side distributed resources Project or facility or grid-side distributed resources Project or facility with a capacity of not more than sixty-five megawatts, as long as such Project meets air and water quality standards of the Department of Energy and Environmental Protection.

As discussed in this petition, the Petitioner's goal is to design an environmentally compatible Project that produces the maximum amount of energy while avoiding and minimizing adverse environmental impacts. Based on the information presented herein, the Project will not have a substantial adverse environmental impact to the immediate and surrounding area. Accordingly, the construction, operation, and maintenance of the Project satisfies the criteria of Conn. Gen. Stat. § l6-50k(a).

II. PETITIONER

Lodestar is a Connecticut-based limited liability company that develops renewable energy projects in Connecticut and across New England. Lodestar's principal place of business is located in Avon, Connecticut at 40 Tower Lane, Suite 201. Lodestar will lead the Project's development, construction and financing and will be the long-term owner and operator of the Project. Lodestar's team has worked with utilities, school districts, cities, housing authorities, counties, Fortune 500 companies, private businesses, commercial and governmental clients and many others to develop more than five hundred (500) MW of solar projects with a value of more than $1 billion across North America including seven (7) operating projects in Connecticut and one (1) additional project under construction, approved by the Council (petition #1412).

Please address all correspondence and/or communications regarding this Petition to:

Carrie Larson Ortolano, Esq.
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c/o Lodestar Energy LLC

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Please also provide a copy of all such correspondence and/or communications to:

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III. PROPOSED PROJECT

A. PROJECT BACKGROUND

In developing this Project, the Petitioner has taken into account the State's energy policy and goals to "develop and utilize renewable energy resources, such as solar and wind energy, to the maximum practicable extent." Conn. Gen. Stat. § 16a-35k. As a solar development, the proposed Project is considered a Class I renewable energy source under Conn. Gen. Stat. § 16-1(a)(26).

The project, upon approval, will participate in the statewide Shared Clean Energy Facility ("SCEF") Program. The SCEF Program was developed pursuant to Section 7(a)(1)(C) of Public Act 18-50, An Act Concerning Connecticut's Energy Future, codified as Section 16-244z(a)(1)(C) of the General Statutes of Connecticut. The SCEF Program seeks the deployment of new or incremental Class I renewable generation projects ranging in size from 100 to 5,000 kW (AC) for a 20-year term. Eligible projects are chosen through a competitive bidding procurement process each year, for a total of 6 years. The program capacity is up to 50 MW per year. The first procurement occurred in 2020.

B. SITE SELECTION

The Town of Norfolk initiated a request for proposal (RFP) for the development of a solar photovoltaic facility at the Project Site and long-term lease of land. Lodestar was awarded the RFP and executed a letter of intent with the Town on August 11, 2020. Lodestar then was awarded a bid in the Year 2 SCEF program with Connecticut Light & Power Company d/b/a Eversource Energy ("Eversource") on August 11, 2021. Lodestar and its experienced development team has been working hand-in-hand with the Town to best design the proposed development on the Project Site to minimize or avoid any potential environmental impacts. Those criteria included:

- Location suitability (size, topography, and apparent lack of biological and hydrological conflicts in initial fatal flaw screening);
- Proximity of existing electrical infrastructure and the approval to interconnect to this infrastructure from EDC;
- Utilization of the existing access driveways and infrastructure to limit new construction;
- Maximizing the site benefits, including utilizing disturbed areas and minimizing the tree removal required.

Lodestar has worked closely with Town leadership and administration to optimize the design and develop the array in accordance with the Town's Planning and Zoning Commission, Conservation Commission, and Inland Wetland Commission. This process included attending several in-person meetings, culminating with a Town meeting on July 26, 2022 to finalize and approve the lease area. As a result of those meetings and this consultative approach, the Town of Norfolk provided Lodestar with a letter voicing its support of this Project, which is attached to this Petition as **Exhibit 12**.

In August, 2022, Petitioner requested a pre-application meeting with the Department of Energy and Environmental Protection ("DEEP"). This meeting took place on August 15, 2022. During this meeting, DEEP staff suggested that the Petitioner raise the height of the safety fence surrounding the Project six (6) inches to accommodate animal migration, which Petitioner has agreed to do and has been incorporated into the Site Plans.

As noted above, the Project will be part of the SCEF program through Eversource. During the site selection and evaluation process, Lodestar has retained the following consultants to assist in the evaluation and design of the Project:

- All Points Technology ("APT") -- environmental assessment
- J.R. Russo & Associates – civil engineering and stormwater design
- O'Reilly, Talbot & Okun Environmental Consulting – solid waste regulations
- RBI Solar – geotechnical and mechanical design services
- Electrical System Technologies "(EST") – electrical engineering and testing
- ArcDesign – interconnection design and medium voltage analysis

C. PROPERTY DESCRIPTION

The Project will occupy approximately 13.6 acres of the Project Site located on the north side of Route 44 with a total area of disturbance of 18.6 acres. A vicinity map is included in **Exhibit 1**. The property is owned by the Town of Norfolk (the "Landowner") and is utilized for its transfer station and storage. Portions of the Site contain the Town's capped landfill and the remaining portions of the Site are undeveloped. Per the requirements of DEEP, Petitioner has prepared an application for Authorization for Disruption of a Solid Waste Disposal Area and a request for a Change to Post-Closure Use. That application is being submitted simultaneously with this Petition and Petitioner will comply with any recommendations or requirements of those

permits. The surrounding land use is a combination of residential and commercial development in the Route 44 corridor.

The Project Site will be broken into three array areas. The first two arrays (Array 1A, 5,788 PV modules, 7.26 acres, and Array 1B, 2,411 PV modules, 3.15 acres) are planned for the former capped Town landfill. The third array (Array 2, 2,542 PV modules, 3.11 acres) is planned for a non-landfill wooded area to the west. The solar facility itself will not extend onto the portion of the Project Site located in the Town of Colebrook. The Project Site will be accessible from Route 44 via two existing access driveways.

D. PROJECT DESCRIPTION

If this Project is approved by the Siting Council, Lodestar will proceed to construct, operate, and maintain the solar facility at the Project Site. The Project will involve the construction of approximately 13.6 acres of ground-mounted solar photovoltaic panels and related improvements. The work will include clearing and grubbing, improvement of the access road; layout and placement of foundation systems, racking, approximately 10,741 solar PV panels and thirty-two (32) 125kW inverters; installation of utility pads and associated electrical equipment; installation of electrical conduit, conduit supports, electrical poles, and overhead wire; installation of a transmission line and associated transmission line tap and installation of security fencing. Per the recommendation of DEEP, the fence will be raised six (6) inches off the ground to allow for animal migration. The existing gravel access driveways located off of Route 44 will be upgraded to ensure that construction vehicles can travel to and from the Site, including the addition of a construction entrance. Emergency access will be available via Route 44 and will be designed in accordance with local requirements to accommodate emergency vehicles and

fire trucks. The security fence will completely enclose the Project and will consist of a seven (7) foot chain-link fence with gated access.

The PV panels will be mounted on a driven post racking system at a 25-degree fixed tilt facing south to maximize energy production. The maximum height of the panels will be approximately eleven (11) feet. The image below is an example of the type of panels and racking system that will be utilized.

Inverters will be mounted at intervals along the array, where small concrete pads will also be installed for transformers and switchgears. Construction of the Project will require 6.5 acres of tree clearing with a total limit of disturbance of 18.6 acres. At the end of the operational life of the Project, Lodestar will remove all equipment (*e.g.* racking system, panels, inverters,

electrical collection system, equipment pads, etc.) from the Project Site, will recycle all recyclable materials and will dispose of all non-recyclable materials in accordance with applicable law.

Lodestar will install the Project in the area shown on the Site Plans in **Exhibit 1**. The image below is an example of a similar solar array field installed by the Petitioner.

The Project construction period is estimated to take approximately 6-9 months from issuance of all required permits, due to the required growing season between periods of disturbance. Subject to regulatory approval, Petitioner anticipates commencing construction in the spring of 2023 or upon approval from the Siting Council.

Project Schedule:

Task	Approximate Duration
Mobilization and site preparation	2 weeks
Civil work: road construction, tree clearing, grading and stormwater controls	4-8 weeks
Site Stabilization	8-12 weeks
Racking, panel & electrical installation	8 weeks
Interconnection and medium voltage	3 weeks
System testing	1 week
Approvals & commissioning	2 weeks

E. UTILITIES AND INTERCONNECTION

Lodestar proposes interconnecting the Project to an existing 13.2 kV overhead circuit that runs along Route 44 on the south end of the Site, which is part of Eversource's distribution system. The Town of Norfolk has previously completed an interconnection application and that interconnection agreement has been assigned to Lodestar. Completion of the interconnection

study and impact study has resulted in the execution of an interconnection services agreement, which will allow the Project to interconnect in the manner set forth above.

The interconnection will require the installation of three (3) new poles extending from the existing utility pole, located in the vicinity of the southern end of the Site near the Town of Norfolk/Town of Colebrook town line on Route 44 as depicted in **Exhibit 1**. Eversource will own and install a load break on the first new pole, a pole-mounted recloser on the second new pole, and an overhead primary metering cluster on the third new pole. The point of common coupling (POCC) will be on the load side of the primary metering cluster. The extension will follow the path of the access road with poles installed adjacent to the access road on its east side. Lodestar will install a riser pole with a load break and fuse cutouts and will direct the interconnection circuit underground. Lodestar will install an underground 3-phase 13.2 kV line running approximately1,000 feet from the point of common coupling/riser pole to the pad mounted switchgear at the Project area. This is the same process and configuration that has been used on all of Lodestar's previous projects across Connecticut.

F. LOCAL INPUT & NOTICE

Lodestar has actively sought input and approval from the Town of Norfolk throughout the planning and development of this Project, and remains committed to providing the Town with as much information regarding the Project as possible. In support of this goal, Lodestar attended the following meetings:

- February 8, 2022 Meeting on site with First Selectman Matt Riiska to prepare for SCEF submission;
- April 4, 2022 meeting with the Inland Wetlands Commission;
- April 12, 2022 meeting with the Planning and Zoning Commission;

- May 2, 2022 meeting with the Conservation Commission; and
- July 26, 2022 town meeting to approve the proposed improvement.

Additionally, as required by the Regulations of Connecticut State Agencies § 16-50j-40(a), Lodestar provided notice of this petition to all required persons and appropriate municipal officials and governmental agencies. Since the Project Site is within twenty-five hundred (2,500) feet from the town line, municipal officials from both the Towns of Norfolk and Colebrook have been included. Attached as **Exhibits 5 and 6** are copies of the certifications of service to abutters and required officials respectively. The Town of Norfolk has issued a letter of support for the Project, which is attached hereto as **Exhibit 12**.

IV. EQUIPMENT AND ENERGY PRODUCTION

The design of the Project focuses on maximizing the efficiency of the system based on existing conditions of the Project Site and local weather patterns while, at the same time, minimizing environmental impacts. The array layout was chosen to maximize the use of the open field portions of the Site. Within this layout, approximately 10,741 photovoltaic modules will be installed at a 25-degree fixed tilt with an azimuth of 180 degrees south. The racking configuration will mount two modules on top of one another in a longitudinal format achieving a maximum height of approximately eleven (11) feet. The photovoltaic arrays will feed thirty-two (32) Sungrow Model SG125HV inverters for a total output of approximately 4 MW AC.

Eversource reviewed the Project's designed output during their system impact study process. Eversource determined that the distribution circuit located along Route 44 near the southern end of the Project Site is suitable for the additional output from the Project. This incremental clean energy generation will improve grid resiliency in Connecticut by providing distributed energy where it is needed.

The operational life of the Project is based on the designed life expectancy of the equipment. The equipment for the Project consists of modules, racking and inverters. Photovoltaic modules and racking equipment have a designed life and warranty extending for twenty (20) years or greater. The inverters have a designed life and warranty of approximately ten (10) years or greater. Therefore, the anticipated operational life of the Project is twenty (20) plus years. At the end of the operational life of the Project, Lodestar will remove all equipment (*e.g.* racking system, panels, inverters, electrical collection system, etc.) from the Project Site, recycle all recyclable materials and dispose of all non-recyclable materials in accordance with applicable law. See **Exhibit 4.**

In the event of a fault or power outage within the solar facility and/or the Eversource distribution circuit, the Project is required to be isolated from the distribution circuit within two (2) seconds of fault detection. The Project performs this isolation via a SEL 351 Vista Switchgear which continually monitors for deviations in frequency, current and voltage outside of Eversource parameters. If a fault is detected, the switchgear automatically opens the circuit and restricts the Project from production. The equipment specifications for the proposed equipment are attached hereto as **Exhibit 2**.

V. NO SUBSTANTIAL ENVIRONMENTAL IMPACTS

Conn. Gen. Stat. § 16-50k (a) provides that a Certificate is not required if an electric generating facility meets the air and water quality standards of the Department of Energy and Environmental Protection ("DEEP") and does not have a substantial adverse environmental effect. Lodestar engaged various environmental professionals to conduct a comprehensive environmental analysis. *See* **Exhibit 8** (Environmental Assessment), which, includes information regarding the location of the Site, wetlands and vernal pools along with associated

impacts, impacts to core forest and agricultural land, State Historic Preservation Office ("SHPO"), Natural Diversity Database (NDDB") and **Exhibit 9** Federal Aviation Administration ("FAA") determinations and **Exhibit 11** noise analysis. Lodestar consulted with CT DEEP and other relevant agencies to evaluate potential environmental impacts. For these reasons and those addressed further below, this Project avoids, reduces, and mitigates potential environmental impacts.

A. AIR QUALITY

The Project will not generate any emissions but rather, as demonstrated in **Exhibit 10**, the Project will contribute to carbon reduction. The Project will have no air emissions during operation and only very minor air emissions of regulated air pollutants and greenhouse gases during construction from the conventional construction equipment used to install the Project. Lodestar will control any temporary emissions at the Project Site by enacting appropriate mitigation measures *(e.g.*, water for dust control; avoid mass early morning vehicle startups, etc.).

Accordingly, any potential air effects produced by the Project's temporary construction activities will be *de minimus*. During operation, the Project will produce no regulated air pollutants or greenhouse gases (*e.g.*, PM, VOCs, GHG or Ozone). No air permit will be required for either construction or operation of the Project. The Project will reduce particulate disruption by replacing the existing gravel operations on the Site (which is causing significant disturbance) thereby improving air quality for the immediate surrounding area.

B. WILDLIFE RESOURCES

The Petitioner's review request to the DEEP Natural Diversity Data Base resulted in a list of several rare species potentially occurring on the Project Site, including two (2) species of

invertebrates, two (2) species of bats, the smooth green snake, and a poor fen natural community. As detailed in the Environmental Assessment in **Exhibit 8**, the Project is not expected to result in an adverse impact to any of these species, provided recommended water quality treatment and mitigation measures are employed. The Petitioner is committed to implementing such measures.

C. WETLANDS AND WATERCOURSES

No named watercourses are within the Project Area; Mill Brook crosses the northeast corner of the Project Site.

Three wetlands were delineated on the Project Site. All three are outside the Project Area, and Project development and operation will have no impact on the wetlands. A vernal pool is found within one of the wetlands. The Petitioner is committed to implementing recommended mitigation measures and rigorous erosion and sedimentation controls to protect against any potential adverse impacts to these resources.

D. STORMWATER MANAGEMENT

Petitioner completed a drainage analysis to review pre-and post-development runoff at the Site. Petitioner's report is attached hereto as **Exhibit 7**. As can be seen from **Exhibit 7** and herein, construction and operation of the Project at the Site will fully comply with requirements of the Department and Energy and Environmental Protection ("DEEP") stormwater requirements, including Appendix I. The Project will have no adverse environmental effect on surface water quality.

On August 15, 2022, Petitioner participated in a pre-application meeting the Department of Energy and Environmental Protection ("DEEP"). During this meeting, DEEP staff recommended that Petitioner raise the security fence six (6) inches off of the ground to promote wildlife migration, which Petitioner has agreed to do.

Petitioner has not received any further comments from DEEP staff since August,2022. Simultaneous with the filing of this Petition, Lodestar is filing its general permit application with DEEP stormwater as well as the application for Authorization for Disruption of a Solid Waste Disposal Area and the request for a Change to Post-Closure Use.

E. FLOODPLAINS

The Project will not be located within a 100- or 500-year flood zone. Based upon the United States Federal Emergency Management Agency ("FEMA") Flood Insurance Rate Map ("FIRM") covering the Site, the Site is located in an area designated as Zone X, which is defined as an area of minimal flooding, typically above the 500-year flood level. Therefore, no special design considerations or precautions relative to flooding are required for the Project, and no impacts are anticipated to floodplain or downstream areas.

F. DRINKING WATER RESOURCES

The Project is not anticipated to result in any adverse impact to either ground or surface water resources. The Site is not located in an Aquifer Protection Area.

Provided that erosion and sediment ("E&S") controls are installed and maintained in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and stormwater is managed in accordance with the 2004 Connecticut Stormwater Quality Manual, no adverse effect on surface water quality is anticipated from development and operation of the Project.

G. HISTORIC RESOURCES

The Connecticut State Historic Preservation Office ("SHPO") was consulted and has determined that "no historic properties will be affected by the proposed activities."

H. SCENIC VALUES

The Project is not expected to have any effect on scenic or recreational resources in the area of the Site. This is exactly the kind of project on unusable land both on and adjacent to the Norfolk landfill that is being strongly encouraged through the SCEF program and RFP solicitation.

I. PUBLIC HEALTH AND SAFETY

Lodestar is immensely concerned with safety. Overall, the Project will meet or exceed all health and safety requirements applicable for electric power generation. The Project would be designed to applicable industry, State and local codes and standards and will not pose a safety concern or create undue hazard to the public. The Project includes a proposed seven (7) foot high safety fence and locked gate (which is mandated by National Electric Code), which will limit access to authorized or emergency personnel only. Each employee working on the Project Site will:

- Receive required general and Site-specific health and safety training;
- Comply with all health and safety controls as directed by local, state, and federal requirements;
- Understand and employ the Site health and safety plan;
- Know the location of local emergency care facilities, travel times, ingress and egress routes; and
- Immediately report all unsafe conditions to the construction manager.

During construction, heavy equipment will be required to access the Project Site and higher levels of noise are anticipated; however, Lodestar will conduct all activities during normal working hours.[1]

J. NOISE

Noise generated by this project will derive from the operation of (32) Sungrow SG125HV 125 kW inverters and (2) 2000kVA transformers. All proposed inverters are designed to be installed on a single equipment pad. According to the Sungrow equipment specification sheet, a single inverter has an acoustic noise output of 53.7dBA at 1 meter (3.28 ft) from the unit and a single transformer has an output of 61dBA at 1 meter (3.28ft). The equipment pad's proximity to the closest property line is 375ft. As stated in Regulations of Connecticut State Agencies Sec. 22a-69-3.5, noise deriving from uses within commercial-industrial zones shall not exceed 62-70dBA in order to minimize disturbance to abutting and adjacent property owners. Considering the closest property line at 375ft from the equipment pad (point of origin of noise emanation), the noise levels emitted from the inverters and transformers will be 29.84 dBA at the property line, as calculated in **Exhibit 11**. Noise will be further reduced at farther property lines. Therefore, the proposed Project and its components comply with the applicable regulations, well below 62-70 dBA.

K. FAA

Pursuant to 14 CFR § 77.9 regarding the FAA Notice of Proposed Construction or Alteration, the FAA must be notified of "any construction or alteration that exceeds an imaginary surface extending outward and upward at a slope of 100 to 1 for a horizontal distance of 20,000

[1] If we are still working under state of Connecticut COVID-19 guideline at the time of construction, Petitioner will abide by all health requirements outlined for outdoor construction including washing stations, worker distances and other applicable requirements.

feet from the nearest point of the nearest runway of the airport." 14 CFR § 77.9(b)(l) The Project Site information has been submitted to the FAA for review and approval and a copy of the FAA determination of no hazard is attached hereto as **Exhibit 9.**

L. CARBON DEBT ANALYSIS

Lodestar has conducted an independent analysis of the Carbon Debt and Carbon Offsets of this Project. The proposed solar project area (including panels, electrical equipment, access roads, and related ground clearing) is designed to cover approximately 13.6 acres of an approximately 180.2-acre parcel. All recyclable materials will be recycled and all non-recyclable materials will be disposed of in accordance with applicable law. About a 12.1-acre footprint of the proposed solar project is comprised of unforested terrain. In total, the project calls for 6.5 acres of tree clearing for placement of the array and shade mitigation in select areas within the vicinity of the array. There are demonstrable net benefits to the construction and operation of the solar Project which significantly offset the proposed 6.5 acres of clearing at the Site.

The proposed solar project is calculated to produce 6,002.5 MWh of energy during the first operational year. As shown in **Exhibit 10**, the energy generation of the proposed project results in a carbon offset of 4,254 MT CO2. Greenhouse gas equivalencies for this estimated offset include:

- 917 gasoline-powered passenger vehicles driven for one year;
- 4,706,517 pounds of coal burned; and
- 536 homes' energy use for one year.

The removed 6.5 forested acres results in a carbon debt of 5.5 MT CO2 in the first year. The net result of the project is a carbon offset of 4,249 MT CO2 in the first year. It will take

approximately 9.4 days to recover the loss of carbon sequestration by the 6.5 acres of cleared trees over 20 years.

VI. PROJECT CONSTRUCTION AND MAINTENANCE

The construction of the Project will have an anticipated duration of approximately six to nine months, depending on the timing of applicable approvals, requiring the services of local electrical, civil and structural contractors. The initial phase of construction will be the improvement of the existing access road, as necessary, and clearing and grubbing of the stormwater controls will be installed and, as required by DEEP, construction activities will not commence until a full growing season has occurred. Based on the existing schedule, construction activities would then commence in the spring of 2023 or upon approval. Next, steel foundations will be driven into the ground for array 2, while concrete foundations will be laid for arrays 1A and 1B. Steel racking components will be mounted on these foundations followed by the installation of photovoltaic modules. The electrical contractor will then install conductors from the photovoltaic modules to the inverters and then to two transformers, one on a single pad on the western edge of the array 1A and another on the northern side of array 2. All electric conductors within array 1A and 1B will be ballasted. A single SEL 351 Vista Switchgear will also be mounted to this pad. In parallel, Eversource will install three (3) utility poles at the site access and provide utility interconnection to the site. The electrical contractor will then install a medium voltage circuit from the SEL 351 Vista Switchgear to the Eversource point of common coupling. Construction schedule will be based on a six (6) day work week Monday through Saturday between the hours of 7:00 AM and 5:00 PM but will be modified if required to comply with Town of Norfolk requirements. As noted above, the Petitioner will utilize erosion and

sedimentation control consistent with the 2002 Connecticut Guidelines for Erosion and Sedimentation Control throughout construction of the Project.

Once construction is complete and the Project is operational, the Project Site will be monitored remotely twenty-four (24) hours a day, seen (7) days a week through a data acquisition system (DAS). The DAS is capable of detecting weather, production from all equipment at the Project Site and safety concerns related to grid outages or faults. See **Exhibit 3.** An operations and maintenance team will perform detailed scheduled annual inspections of all equipment at the Project Site. In addition, the Petitioner's operations and maintenance team is on-call at all times in the event of unscheduled equipment maintenance or safety related concerns. Site vegetation is typically mowed three (3) times annually or as needed.

VII. CONCLUSION

This Project is precisely the type of project that Connecticut legislature, regulatory agencies, environmental groups, utilities, and ratepayers have been promoting to support our renewable energy goals. The Project's location on property that is otherwise unusable due to its location on and around a landfill and active transfer station make it ideally suitable for adaptive reuse as a renewable energy generation project. The Project, a grid-side distributed resources Project with a capacity of less than 65 MW, is among the types of Projects that the Council can approve by declaratory ruling. Accordingly, and for the reasons stated herein, because the proposed Project will meet state air and water quality standards and will not have a substantial adverse effect on the environment, Petitioner respectfully requests that the Council approve the location and construction of the proposed Project by declaratory ruling.

Respectfully submitted,

Petitioner
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By: Lodestar Energy LLC, its Manager

By: Carrie Larson Ortolano
Jeffrey J. Macel, Manager
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