Sunlight Partners, LLC
27 Pearl St., Floor 4
Portland, ME 04101

September 19, 2016

To whom it may concern:

This filing is for an ***Application to Register a Renewable Energy Facility or New Renewable Energy Facility Pursuant to Rule R8-66*** for the proposed Casey Solar LLC, 4.0 MW solar facility. A copy of this application has also been provided to Duke Energy Progress.

Sincerely,

Ryan M. Stair Project
Manager 27 Pearl St. FL 4
Portland ME 04101

Docket #SP-8326 SUB 0

Application to Register a Renewable Energy Facility or New Renewable Energy Facility Pursuant to Rule R8-66

Please complete the form, print it, have it signed, and notarized, and make 9 copies and send them to the Chief Clerk of the Commission.
You may also file this application electronically; please see www.ncuc.net/electronic filing.html for instructions. Be sure to attach additional information, such as maps, as required.

Applicants should consult Rule R8-66 while completing this form in order to ensure they provide sufficient information.

1	Facility name:	Casey Solar, LLC
2	Full and correct name of the owner of the facility:	Casey Solar, LLC
3	Business address:	27 Pearl St. FL4 Portland, ME 04101
4	Electronic mailing address:	rstair@catecapital.com
5	Telephone number:	207-899-1123
6	Owner's agent for purposes of this application, if applicable:	n/a
7	Agent's business address:	n/a
8	Agent's electronic mailing address:	n/a
9	Agent's telephone number:	n/a
10	The owner is:	Individual ☐ Partnership ☐ Corporation/LLC ☑
11	If a corporation, state and date of incorporation:	State North Carolina Date 12/10/14
12	If a corporation that is incorporated outside of North Carolina, is it domesticated in North Carolina?	☑ YES ☐ NO
13	If a partnership, the name and business address of each general partner. (Add additional sheets if necessary.)	n/a

14	Nature of the renewable energy facility:	Solar PV
15	Describe the facility, including its technology, and the source of its power and fuel(s). Thermal facilities should describe how its host uses the facility's thermal energy output. (Add additional sheets if necessary.)	The generating facility will consist of multiple solar photovoltaic arrays and three 1670 kW inverters with transformers. The facility will produce 5 MW AC (net). There will be no constructed buildings associated with the facility on-site. The entire generating facility will be fenced in for security and safety purposes. The facility will interconnect to Duke Energy Progress' infrastructure.
16	Whether it produces electricity, useful thermal energy, or both:	Electricity only
17	Nameplate capacity in kW/MW (AC) and/or maximum Btu per hour for thermal facilities:	4 MW AC rating
18	The facility's projected dependable capacity in kW AC and/or Btu/hour:	
19	The E911 address of the facility:	E Greensboro Chapel Hill Rd Snow Camp, NC Address to be confirmed after all project permitting is in place.
20	The county where the facility will be located:	Alamance
21	GPS coordinates for the center of the facility's site:	Lat:35.9061 Long:79.310544
22	The location of the facility set forth in terms of local highways, streets, rivers, streams, or other generally known local landmarks. Attach a map, such as a county road map, with the location indicated on the map.	E Greensboro Chapel Hill Rd Snow Camp, NC
22	The site owner:	LAWRENCE M & KATHRYN DUNNING
23	What is the facility owner's legal interest in the site?	Long Term Lease
List the federal and state approvals that are required to build and/or operate this facility, and attach copies of those that have been obtained. Wind facilities with multiple turbines, where each turbine is licensed separately, may provide copies of approvals for one such turbine but shall add an attestation that approvals for all of the turbines are		

available for inspection.		
24	Federal permits and licenses:	FERC QF Self Certification
25	State permits and licenses:	Driveway permit Erosion control permit Storm Water Permit
26	Exemptions required for construction and operation of the facility:	None
27	Statement of whether each permit or exemption has been obtained or applied for (attach a copy of those that have been obtained with this application):	FERC QF Self-certification obtained QF16-1082. Erosion Control Permit: Have not yet been applied for. Storm Water Permit: Have not yet been applied for. Driveway Permit: Have not yet been applied for.
28	If the facility has been placed into service, on what date did the facility begin operating?	12/31/2017
29	If the facility is not yet operating, on what date is the facility projected to be placed into service?	12/31/2017
30	If the facility is already operating, what is the amount of energy produced by the facility, net of station use, for the most recent 12-month or calendar-year period? Energy production data for a shorter time period is acceptable for facilities that have not yet operated for a full year.	n/a
31	What entity does (or will) read the facility's energy production meter(s) for the purpose of issuing renewable energy certificates?	Duke Energy Progress

32	For thermal energy facilities, describe the method to be used to determine the facility's thermal energy production, in Btus per hour, that will be eligible for REC issuance. (Add sheets if necessary.)	n/a
33	Does the facility participate in a REC tracking system and if so, which one? If not, which tracking system will the facility participate in for the purpose of REC issuance?	NC-RETS
34	If this facility has already been the subject of a proceeding or submittal before the Commission, such as a Report of Proposed Construction or a Certificate of Public Convenience and Necessity, please provide the Commission Docket Number, if available.	n/a
If the facility is a combined heat and power system, the owner shall also include in its registration statement the following information:		
35	A narrative description and one-line diagram of the electrical and thermal generation systems to include Btu meters, boilers, steam pressures, valves, turbines, and ultimate uses of the steam. Also, include any crossover of steam, cross connections (even if by spool piece), or the ability to supply steam from other means or to other loads.	n/a
36	A description of the parasitic electrical and parasitic thermal loads. (Add sheets if necessary.)	n/a
37	Calculations for the energy used by the parasitic electrical and parasitic thermal loads, with supporting documents. (Add sheets as necessary.)	n/a

38	A description of the method of collecting the waste heat from the electrical generating system. (Add sheets as necessary.)	n/a
39	A description of the host(s) of the waste heat and an explanation of how the waste heat will be used and useful.	n/a
40	Calculations of the percent of energy that is delivered to the system host(s) but not used and useful.	n/a
41	Confirmation if the proposed operation have any pressure-reducing valves operating simultaneously in parallel with any back-pressure turbines?	n/a
If the facility owner intends to earn multiple types of RECs by using a variety of fuels, the owner should include in its registration statement the following additional information:		
42	Example calculations for the energy production associated with each fuel used by the facility as required by Appendix C (Multi-fuel Generation) to the Operating Procedures for the North Carolina Renewable Energy Tracking System. These calculations must ultimately show the electrical and thermal energy (if any) attributable to only the renewable fuels and how the number of renewable energy certificates would be determined.	n/a
43	Describe each fuel to be used by the facility:	n/a
44	Describe how the heat content of each fuel is or will be determined for the purpose of issuing renewable energy certificates:	n/a

The owner of the renewable energy facility shall provide the following attestations, signed and notarized:

1. [✓] Yes [ ] No I certify that the facility is in substantial compliance with all federal and state laws, regulations, and rules for the protection of the environment and conservation of natural resources.

2. [✓] Yes [ ] No I certify that the facility satisfies the requirements of G.S. 62-133.8(a)(5) or (7) as a:
   [ ] renewable energy facility, or
   [ ] new renewable energy facility,
   and that the facility will be operated as a:
   [ ] renewable energy facility, or
   [ ] new renewable energy facility.

3. [✓] Yes [ ] No I certify that 1) my organization is not simultaneously under contract with NC GreenPower to sell RECs emanating from the same electricity production being tracked in NC-RETS; and 2) any renewable energy certificates (whether or not bundled with electric power) sold to an electric power supplier to comply with G.S. 62-133.8 have not, and will not, be remarketed or otherwise resold for any other purpose, including another renewable energy portfolio standard or voluntary purchase of renewable energy certificates in North Carolina (such as NC GreenPower) or any other state or country, and that the electric power associated with the certificates will not be offered or sold with any representation that the power is bundled with renewable energy certificates.

4. [✓] Yes [ ] No I certify that I consent to the auditing of my organization's books and records by the Public Staff insofar as those records relate to transactions with North Carolina electric power suppliers, and agree to provide the Public Staff and the Commission access to our books and records, wherever they are located, and to the facility.

5. [✓] Yes [ ] No I certify that the information provided is true and correct for all years that the facility has earned RECs for compliance with G.S. 62-133.8.

6. [✓] Yes [ ] No I certify that I am the owner of the renewable energy facility or am duly authorized to act on behalf of the owner for the purpose of this filing.

(Signature)	Project Manager (Title)
Ryan M. Stair (Name – Printed or Typed)	08/15/2016 (Date)

VERIFICATION

STATE OF MAINE COUNTY OF CUMBERLAND

RMS — PROJECT MANAGER

Signature of Owner's Representative or Agent — Title of Representative or Agent

RYAN M. STAIR

Typed or Printed Name of Representative or Agent

The above named person personally appeared before me this day and, being first duly sworn, says that the facts stated in the foregoing report and any exhibits, documents, and statements thereto attached are true as he or she believes.

WITNESS my hand and notarial seal, this 14th day of SEPTEMBER, 2016.

My Commission Expires: 9/24/20

Katelyn A. B

Signature of Notary Public

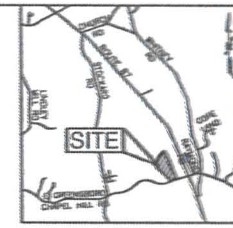
KATELYN A. PAYNE
Notary Public, Maine
My Commission Expires September 24, 2020

Katelyn A. Payne

Name of Notary Public – Typed or Printed

This original verification must be affixed to the original report, and a copy of this verification must be affixed to each of the copies that are also submitted to the Commission.

UTILITY CONCEPT SITE PLAN
FOR
"CASEY SOLAR LLC"
4.0 MW SOLAR FACILITY
ALAMANCE COUNTY, NORTH CAROLINA



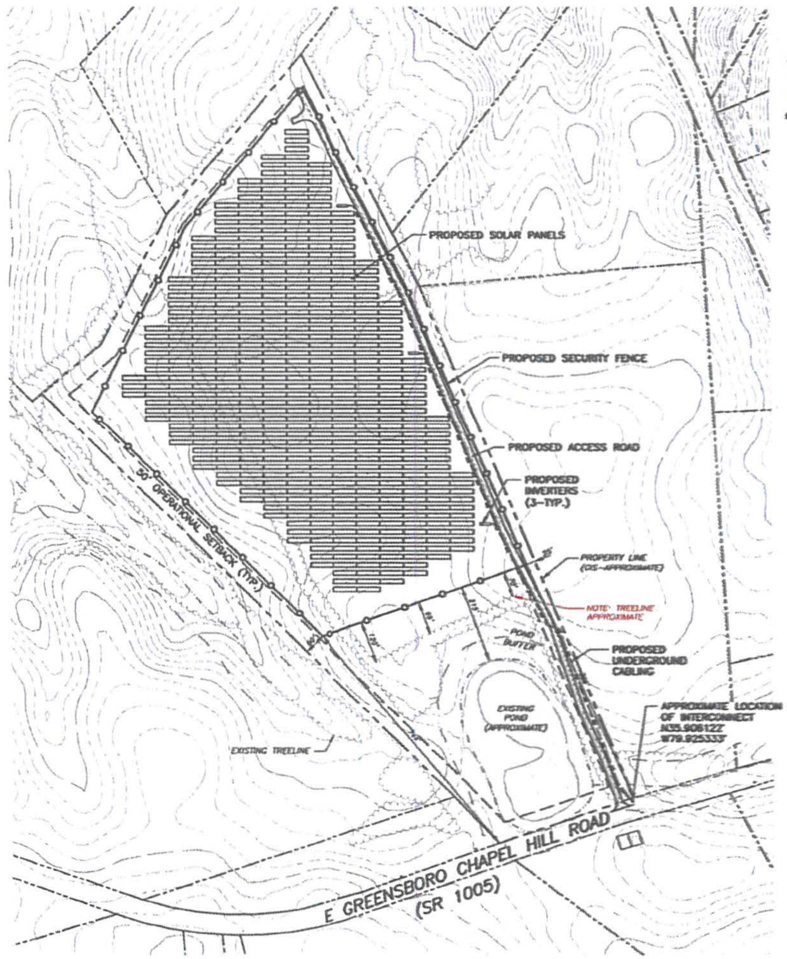
VICINITY MAP
N.T.S.

CONCEPT NOTES:

1. THE PURPOSE OF THIS PLAN IS AS A CONCEPT PLAN, FOR INFORMATIONAL AND PLANNING PURPOSED ONLY. THE LOCATION OF PROPOSED IMPROVEMENTS AS SHOWN, INCLUDING BUT NOT LIMITED TO, FENCING, SOLAR ARRAY, RACKING, INVERTERS, OVERHEAD POLES AND LINES, ETC., IS APPROXIMATE AND MAY BE SUBJECT TO MODIFICATION DUE TO IN-FIELD SITE CONDITIONS, ADDITIONAL PERMITTING REQUIREMENTS (NCDOT, NCDENR, USACOE, ETC.), EQUIPMENT SPECIFICATIONS, AND/OR OTHER CONSTRAINTS.
2. THE ONLY UTILITY PROPOSED FOR THIS SITE SHALL BE DUKE ENERGY CAROLINAS. NO OTHER UTILITIES SHALL BE EMPLOYED OR PROPOSED FOR THIS PROJECT.
3. DUE TO LOW TRAFFIC VOLUME, MINIMAL PARKING WILL BE PROVIDED UPON BUILD-OUT OF THIS DEVELOPMENT. TEMPORARY MAINTENANCE CREWS SHALL UTILIZE THE GRAVEL ACCESS WAY FOR PARKING.
4. MINIMAL SIGNAGE IS PROPOSED AT THIS TIME.
5. NO EXTERIOR LIGHTING IS PROPOSED AT THIS TIME.
6. NO PERMANENT STRUCTURES ARE PROPOSED FOR THIS PROJECT.
7. THE PROJECT AREA, INCLUDING CONSTRUCTION STAGING AREAS, WILL BE CLEARED AND GRUBBED AS NECESSARY. A PORTION OF THE PROJECT AREA MAY CONSIST OF TREE CLEARING. CONSTRUCTION STAGING AND AREAS SUBJECT TO RUTTING DURING CONSTRUCTION WILL BE TEMPORARILY STABILIZED WITH LOGGING MATS WHICH WILL BE REMOVED FOLLOWING CONSTRUCTION.
8. THE ONLY PERMANENT IMPERVIOUS SURFACES WILL BE CONCRETE SLABS AT EACH INVERTER, TOTALING LESS THAN 100 SF EACH.
9. SYSTEMS, EQUIPMENT, AND STRUCTURES WILL NOT EXCEED 15-FEET IN HEIGHT WHEN GROUND MOUNTED. EXCLUDED FROM THIS HEIGHT REQUIREMENT ARE ELECTRIC TRANSMISSION LINES AND UTILITY POLES.
10. EXISTING CONDITIONS DATA SHOWN WAS OBTAINED IN PART FROM THE NORTH CAROLINA "ONEMAP GEOSPATIAL PORTAL", AND OTHER APPLICABLE GIS PUBLIC DOMAIN DATA SETS.

PROJECT UTILITY RATING

TOTAL SITE AC RATING:	4.0 MW
NUMBER OF RACKS:	464
PANELS PER RACK:	38
PANEL RATING:	315 W
AC:DC RATIO:	1.38
TOTAL SITE DC RATING:	5.55 MW



DEVELOPER
SUNLIGHT PARTNERS, LLC
27 PEARL STREET, FLOOR 4
PORTLAND, ME 04101
PHONE: 207-899-1125

ENGINEER
MICHAEL WALLACE, P.E.
25 CARRIAGE WAY
SCARBOROUGH, ME 04074
PHONE: 207-217-2216

OWNER
LAWRENCE M & KATHRYN DUNNING
2050 SHIRLEY DRIVE
BURLINGTON, NC 27215

SITE ADDRESS
CASEY SOLAR LLC
E GREENSBORO CHAPEL HILL RD
SNOW CAMP NC

PARCEL NUMBER
PARCEL NO. 752789

SITE SUMMARY TABLE

PARCEL ACREAGE:	±34 ACRES	
EXISTING LAND USE:	AGRICULTURAL	
PROPOSED LAND USE:	ENERGY GENERATING FACILITY	
EXISTING % IMPERVIOUS:	±0.1 AC / 34 AC = 0.3%	
PROPOSED % IMPERVIOUS:	±0.8 AC / 34 AC = 2.4%	
AREA OF LEASE:	±21.5 ACRES	
AREA TO BE CLEARED:	±7.4 ACRES	
ZONING:	XX	
REQUIRED SETBACKS:	FRONT:	XX'
	REAR:	XX'
	SIDE:	XX'
PROVIDED SETBACKS:	ALL SIDES:	50'

SHEET INDEX

LEGEND

- PARCEL BOUNDARY LINES
- RIGHT OF WAY LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- WETLAND
- OVERHEAD UTILITY LINE
- TREELINE
- SETBACK/BUFFER LINES
- SECURITY FENCE
- AC CABLING
- ACCESS ROAD
- LANDSCAPE BUFFER
- SOLAR PANELS AND RACK
- INVERTER

150 0 150 300
HORIZ: 1" = 150'

UTILITY CONCEPT SITE PLAN

PROJECT: "CASEY SOLAR LLC"
ALAMANCE COUNTY, NORTH CAROLINA

JOB ID: CASEY SOLAR

SHEET NO.: U1

1 OF 1