

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH, NORTH CAROLINA

DOCKET NO. EMP-117, Sub 0

In the Matter of the Application of
Shawboro East Ridge Solar, LLC for
a Certificate of Public Convenience
and Necessity for Merchant Plant
Pursuant to N.C. Gen. Stat. 62-110.1
and Commission Rule R8-63

SHAWBORO EAST RIDGE
SOLAR, LLC'S
APPLICATION FOR A
CERTIFICATE OF PUBLIC
CONVENIENCE AND
NECESSITY FOR 150 MW
MERCHANT PLANT

Shawboro East Ridge Solar, LLC (the "Applicant"), by and through its undersigned counsel, hereby applies to the North Carolina Utilities Commission (the "Commission") pursuant to N.C. Gen. Stat. § 62-101.1, and Commission Rule R8-63, for a Certificate of Public Convenience and Necessity for Merchant Plant authorizing the construction of a solar photovoltaic merchant plant facility with a capacity of 150 MW AC to be located in Currituck County, North Carolina. In support of its application, the Applicant provides the Commission with the exhibits attached hereto as required by N.C.U.C. Rule R8-63, and also shows unto the Commission the following:

1. Exhibit 1 attached hereto contains the required information about the Applicant.
2. All correspondence, documents and filings regarding this application should be sent to:

Joseph W. Eason
Nelson Mullins Riley & Scarborough LLP
GlenLake One, Suite 200
4140 Parklake Avenue
Raleigh, North Carolina 27612
Tel: (919) 329-3800
joe.eason@nelsonmullins.com
Attorney for the Applicant

And, with a copy also to the following corporate agent of Applicant:

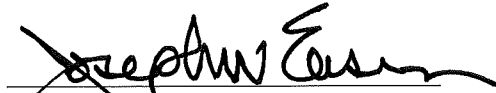
Shawboro East Ridge Solar, LLC
Attn: Kenny Habul
192 Raceway Drive
 Mooresville, NC 28117
704-662-0375
project.development@sunenergy1.com

The Applicant and its Counsel consent to electronic service of filings related to this application.

3. Exhibit 2 attached hereto contains the required information about the proposed generation facility.
4. Exhibit 3 attached hereto provides a description of the need for the facility in the state and/or region, with supporting documentation.
5. Exhibit 4 attached hereto provides information regarding the interconnection and estimated system impact of the project that has recently been requested of applicants by way of supplemental testimony.
6. This Application has been signed and verified by an individual duly authorized to act on behalf of the Applicant for that purpose.
7. This Application is submitted together with the pre-filed direct testimony of Linda Nwadike, Director of Permitting and Community Relations for SunEnergy1, which testimony incorporates and supports this application and is submitted on behalf of the Applicant in accordance with NCUC Rule R8-63 (b)(5).
8. Confidential Information has been designated as such and filed under seal with this Commission contemporaneously with the filing of this Application in accordance with Rule R8-63(c).

WHEREFORE, the Applicant, Shawboro East Ridge Solar, LLC, respectfully prays that this Commission consider the foregoing information submitted in support of this application and issue the Applicant a Certificate of Public Convenience and Necessity for the construction of the merchant plant described herein in accordance with N.C. Gen. Stat. §62-110.1 and NCUC Rule R8-63.

Respectfully submitted this 18th day of June, 2021.

A handwritten signature in black ink, appearing to read "Joseph W. Eason", written over a horizontal line.

Joseph W. Eason
Nelson Mullins Riley & Scarborough LLP
4140 Parklake Avenue, Suite 200
Raleigh, NC 27612

Tel: (919) 329-3800
joe.eason@nelsonmullins.com

Attorneys for the Applicant

Shawboro East Ridge Solar, LLC
CPCN Application – Merchant Plant
NCUC EMP-117, sub 0

INFORMATION ABOUT THE APPLICANT
EXHIBIT 1

- i. The full and correct name, business address, business telephone number and electronic mailing address of the Applicant;

Shawboro East Ridge Solar, LLC
192 Raceway Drive
 Mooresville, NC 28117
704-662-0375
project.development@sunenergy1.com

- ii. A description of the Applicant, including the identities of its principal participant(s) and officers, and the name and business address of a person authorized to act as corporate agent or to whom correspondence should be directed;

Shawboro East Ridge Solar, LLC is a North Carolina limited liability company formed on August 29, 2014. Kenny Habul is duly authorized to act as a registered agent of the Applicant for the purpose of this application. A copy of the Articles of Organization of the Applicant as filed with the North Carolina Secretary of State is attached as **Schedule 1-1**.

- iii. A copy of the applicant's most recent annual report to stockholders, which may be attached as an exhibit, or, if the applicant is not publicly traded, its most recent balance sheet and income statement. If the applicant is a newly formed entity with little history, this information should be provided for its parent company, equity partner, and/or the other participant(s) in the project;

Shawboro East Ridge Solar, LLC is an affiliate of SunEnergy1, LLC ("SunEnergy1"); SunEnergy1 is the direct parent of the Applicant.

SunEnergy1 is one of the largest solar developers and engineering, procurement, and construction companies in the U.S. SunEnergy1 is not a publicly traded company; therefore, its most recent balance sheet and income statement are filed under seal as confidential information (See **Confidential Schedule 1-2** included with the Confidential Documents submitted with this Application).

- iv. Information about generating facilities in the Southeastern Electric Reliability Council region which the Applicant or an affiliate has any ownership interest in and/or the ability

to control through leases, contracts, options, and/or other arrangements and information about certificates that have been granted for any such facilities not yet constructed.

The Applicant does not have any generating facilities in the Southern Electric Reliability Council region. The Applicant is an individual project company formed to own the solar facility assets for the project that is the subject of this application.

The Applicant's parent-affiliate, SunEnergy1 has ownership interest in and/or the ability to control through leases or contracts numerous solar generating facilities in the Southeastern Electric Reliability Council ("SERC") region. A list of generating facilities that SunEnergy1 has constructed within the Southern Electric Reliability Council region is attached as **Schedule 1-3**. A list of generating facilities that SunEnergy1 has under development but have not been completed sufficient to achieve commercial operation is attached as **Schedule 1-4**.

Schedule 1-1

Articles of Organization



NORTH CAROLINA

Department of the Secretary of State

OFFICIAL COPY

Jun 22 2021

To all whom these presents shall come, Greetings:

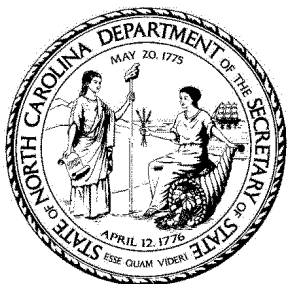
I, Elaine F. Marshall, Secretary of State of the State of North Carolina, do hereby certify the following and hereto attached to be a true copy of

ARTICLES OF ORGANIZATION

OF

SHAWBORO EAST RIDGE SOLAR, LLC

the original of which was filed in this office on the 29th day of August, 2014.



Scan to verify online.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Raleigh, this 29th day of August, 2014.

Elaine F. Marshall

Secretary of State

State of North Carolina
Department of the Secretary of State

SOSID: 1398576
Date Filed: 8/29/2014 2:42:00 PM
Elaine F. Marshall
North Carolina Secretary of State

C2014 240 00881

Limited Liability Company
ARTICLES OF ORGANIZATION

Pursuant to §57D-2-20 of the General Statutes of North Carolina, the undersigned does hereby submit these Articles of Organization for the purpose of forming a limited liability company.

1. The name of the limited liability company is: Shawboro East Ridge Solar, LLC
(See Item 1 of the Instructions for appropriate entity designation)
2. The name and address of each person executing these articles of organization is as follows: (State whether each person is executing these articles of organization in the capacity of a member, organizer or both. **Note: This document must be signed by all persons listed.**)
Alicia Nerad, Organizer, 192 Raceway Dr., Mooresville, NC 28117

3. The name of the initial registered agent is: Kenny Habul
4. The street address and county of the initial registered agent office of the limited liability company is:
Number and Street 192 Raceway Dr.
City Mooresville State: NC Zip Code: 28117 County: Iredell
5. The mailing address, if different from the street address, of the initial registered agent office is:
Number and Street _____
City _____ State: NC Zip Code: _____ County: _____
6. Principal office information: (Select either a or b.)
 - a. ☒ The limited liability company has a principal office.
The principal office telephone number: 704-662-0375
The street address and county of the principal office of the limited liability company is:
Number and Street 192 Raceway Dr.
City Mooresville State: nc Zip Code: 28117 County: iredell

The mailing address, if different from the street address, of the principal office of the company is:

Number and Street _____

City _____ State: _____ Zip Code: _____ County: _____

b. ☐ The limited liability company does not have a principal office.

7. Any other provisions which the limited liability company elects to include (e.g., the purpose of the entity) are attached.

8. (Optional): Please provide a business e-mail address: Privacy Redaction
The Secretary of State's Office will e-mail the business automatically at the address provided above at no cost when a document is filed. The e-mail provided will not be viewable on the website. For more information on why this service is offered, please see the instructions for this document.



9. These articles will be effective upon filing, unless a future date is specified:

This is the 28 day of August, 20 14.

Alicia Nerad

Signature

Alicia Nerad, Organizer

Type or Print Name and Title

The below space to be used if more than one organizer or member is listed in Item #2 above.

Signature

Type and Print Name and Title

Signature

Type and Print Name and Title

Signature

Type and Print Name and Title

Signature

Type and Print Name and Title

NOTES:

1. Filing fee is \$125. This document must be filed with the Secretary of State.

Schedule 1-2

CONFIDENTIAL

FINANCIAL STATEMENTS

Schedule 1-3

Applicant's other affiliated generating facilities in the Southeastern Electric Reliability Council Region

The Applicant's affiliate SunEnergy1 has completed numerous solar generating facilities in the Southeastern Electric Reliability Council (SERC) region as shown in the below table.

Sites developed by SunEnergy1 with potential ownership Interest through lessees or contracts:

Project	MW	County/State	Completion Date
Bethel	7	Pitts, NC	May 2016
Elizabeth City	28	Pasquotank, NC	April 2015
Everetts	7	Martin, NC	April 2015
Scotland Neck	28	Halifax, NC	March 2014
Battleboro	7	Edgecombe, NC	June 2015
Conetoe II	112	Edgecombe, NC	April 2016
Creswell	19.95	Washington, NC	June 2015
Kelford	30.10	Bertie, NC	February 2016
Sunbury	7	Gates, NC	March 2016
Whitakers	16.8	Whitakers, NC	February 2016
Whitepost I	14.99	Beaufort, NC	February 2013
Whitepost II	6.4	Beaufort, NC	May 2014
Windsor	7	Bertie, NC	April 2014
River Road	7	Hertford, NC	December 2016
Leggett	7	Whitakers, NC	July 2017
Barnhill	4	Pasquotank, NC	December 2016
Aulander Hwy 42	7	Hertford, NC	July 2017
Summit	84	Currituck, NC	February 2017
Shiloh Hwy 1108	7	Camden, NC.	March 2018
Sandy Solar	7	Camden, NC	April 2018
Chowan Jehu	7	Chowan, NC	March 2018
Scotland Neck 3	4	Halifax, NC	January 2015
Elk Park	0.197	Avery, NC	March 2012
SE1-Asheville	0.25	Buncombe, NC	May 2010
Plymouth Solar	6.5	Plymouth, NC	December 2014
Pamlico Solar	6.6	Beaufort, NC	February 2014
Choco Solar	7	Beaufort, NC	March 2015
Sugar Run Solar	6.6	Gates, NC	December 2015

Project	MW	County/State	Completion Date
Albertson Solar	7	Duplin, NC	December 2014
Conetoe Solar	6.6	Edgecombe, NC	January 2016
Williamston Speight	20.84	Martin, NC	December 2016
Ranchland	84	Currituck, NC	January 2018
Mill Pond	7	Martin, NC	September 2019
Jamesville	7	Martin, NC	October 2019
Aulander Holloman	112	Hertford, NC	June 2019

Camden Dam	7	Camden, NC	August 2019
Mechanicsville	28	Hanover, VA	October 2020
Gliden Solar	7	Chowan, NC	February 2021

Schedule 1-4
Projects in SERC region in development

Project	MW	County/State	Completion Date
Windsor Hwy 17	7	Bertie, NC	
Ryland Road	7	Chowan, NC	
Albemarle Beach	140	Washington, NC	
Pitt Solar	150	Pitt, NC	
Wildcat Road	7	Martin, NC	
Williamston Hwy 125	7	Martin, NC	
Colice Hall	17	Hertford, NC	
Creswell Hwy 64	20	Tyrell & Washington, NC	
Manning	7	Edgecombe, NC	
Cherry Solar	180	Northampton	
Oak Solar	120	Northampton	

Shawboro East Ridge Solar, LLC
CPCN Application – Merchant Plant
NCUC EMP-117, sub 0

INFORMATION ABOUT THE PROPOSED FACILITY
EXHIBIT 2

- i. The nature of the proposed generating facility, including its type, fuel, expected service life, and the gross, net, and nameplate generating capacity of each generating unit and the entire facility, as well as the facility's total projected dependable capacity, in megawatts (alternating current); the anticipated beginning date for construction; the expected commercial operation date; and estimated construction costs;

The Applicant is proposing to construct a 150MW AC solar facility in Currituck County, based on the nameplate capacity of the panels. The gross and net capacity of the resource is equal to its nameplate capacity. The expected service life of the facility is approximately 40 years.

The Applicant anticipates beginning construction of the site during 2Q2022 and expects commercial operation of the facility by 4Q2022. The estimated construction cost of the facility is filed under seal as confidential information (See **Confidential Schedule 2-1** of the Confidential documents submitted with this Application).

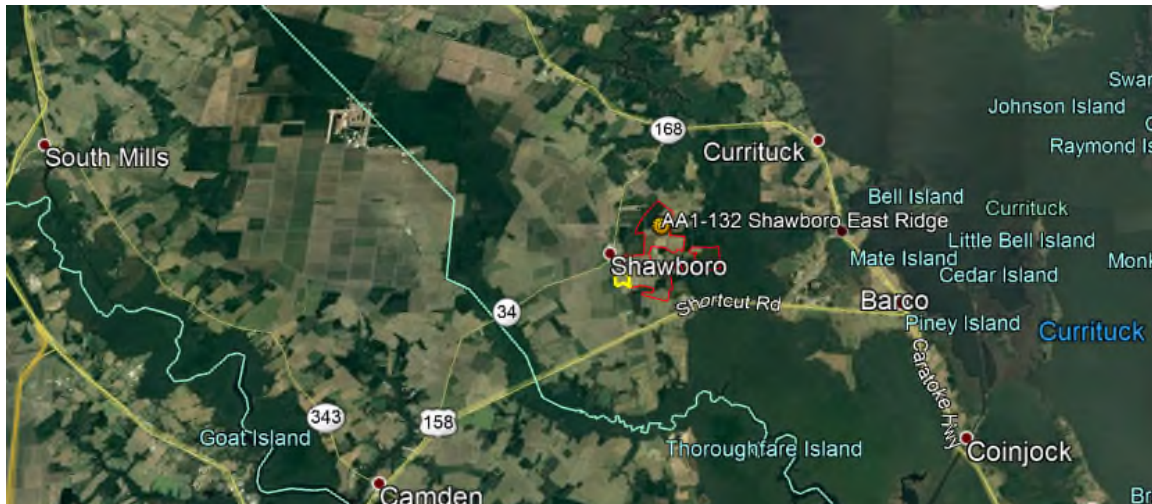
- ii. A color map or aerial photo (a U.S. Geological Survey map or aerial photo map prepared via the State's geographic information system is preferred) showing the proposed site boundary and layout, with all major equipment, including the generator, fuel handling equipment, plant distribution system, startup equipment, planned and existing pipelines, planned and existing roads, planned and existing water supplies, and planned and existing electric facilities;

A Site map of Shawboro East Ridge Solar, LLC showing the equipment layout is attached as **Schedule 2-2.**

An aerial view showing the relationship of the site to nearby highways and state boundaries and county lines in its vicinity is reproduced below as Image 2-1.

IMAGE 2-1

General location of site proposed generation resource of Shawboro East Ridge Solar, LLC



- iii. The E911 street address, county in which the proposed facility would be located, and GPS coordinates of the approximate center of the proposed facility site to the nearest second or one thousandth of a degree.

E911 addresses have not been assigned for the proposed facility, however the GPS coordinates for the proposed facility is 36.410266, -76.074890.

- iv. In the case of natural gas-fired facilities, a map showing the proximity of the facility to existing natural gas facilities; a description of dedicated facilities to be constructed to serve the facility; and any filed agreements, service contracts, or tariffs for interstate pipeline capacity;

The facility is not a natural gas fired facility.

- v. A list of all needed federal, state and local approvals related to the facility and site, identified by title and the nature of the needed approval is listed in **Schedule 2-3** attached hereto. The same exhibit includes a copy of such approvals as has been obtained, or a report on the current status of the approvals. There will be no application related to an application for eligible facility status or exempt wholesale generator status pursuant to Section 32 of the Public Utility Holding Company Act of 1935 (PUHCA), as amended by the Energy Policy Act of 1992, including attachments and subsequent amendments as necessary.

- vi. The proposed Shawboro Solar generating facility will interconnect with the Dominion (also known as Virginia Electric and Power Company (VEPCO)) transmission system via a new three breaker ring bus switching station that connects on Dominion's Shawboro to Sligo 230 kV line # 269.

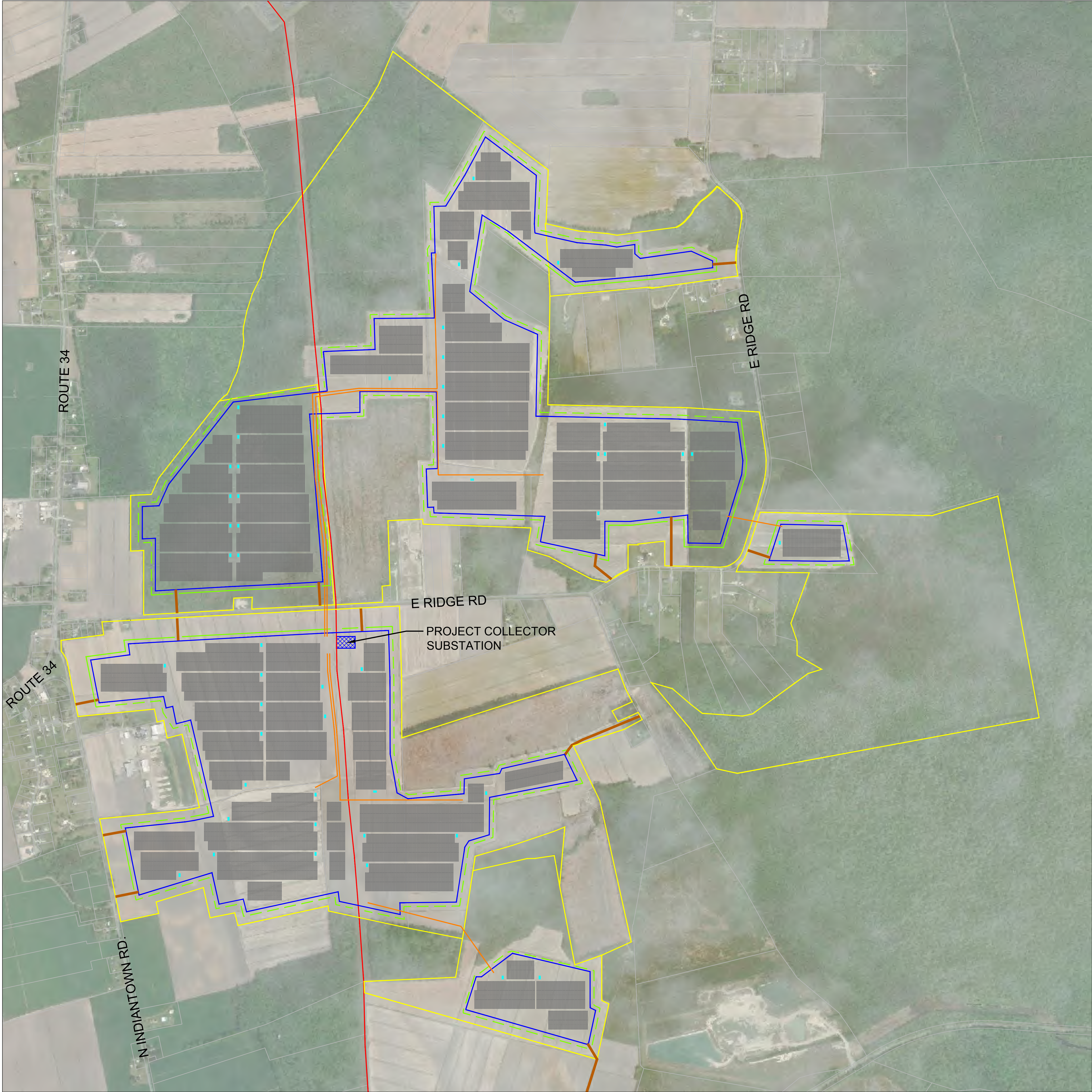
Schedule 2-1

CONFIDENTIAL

ESTIMATED CONSTRUCTION COSTS

Schedule 2-2

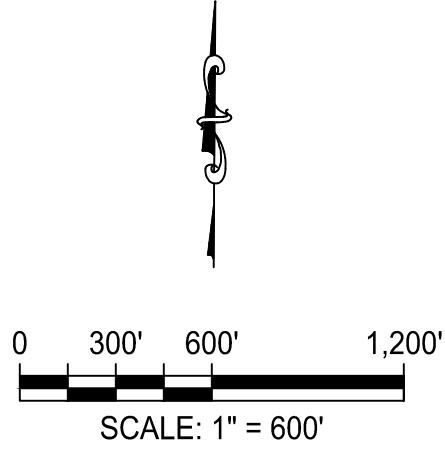
Shawboro East Ridge Solar Site Plan



SHAWBORO EAST RIDGE SOLAR, LLC

APPROXIMATE LOCATION
LATITUDE 36.424831
LONGITUDE -76.064464

- NOTES:
- 1. ALL PARCELS USED ARE ZONED AGRICULTURAL
 - 2. ALL EQUIPMENT LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE
 - 3. BUILDINGS THAT HOUSE INVERTER EQUIPMENT MUST FACE AWAY FORM THE NAVAL SUPPORT ACTIVITY NORTHWEST ANNEX
 - 4. A 25 FOOT MAINTENANCE ACCESS DRAINAGE EASEMENT ALONG AT LEAST ONE SIDE OF WATERWAY CONVEYANCE SYSTEMS THAT DRAIN MORE THAN 5 ACRES SHALE BE PROVIDED.



192 Raceway Dr.
Mooresville, NC 28117
(T) 704-662-0375
(F) 704-662-0352

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	10/06/16	PROPERTY CHANGES			
2	01/31/18	PROPERTY CHANGES			
3	05/31/18	UPDATE LAYOUT			
4	08/02/18	ADDED DETAILS PER COUNTY			
5	08/05/18	Property Changes			
6	03/17/21	Updated Layout			
7	02/22/21	Revised Eastern Property			
	08/02/21	Updated Layout and Removed Property on N Indiantown Rd			
	08/25/21	Civil Drawing			
CHECKED			DRAWN		
LN			CJM		

LEGEND

- PROPERTY LINE
- FENCE LINE
- PV ARRAY
- SITE ENTRANCE
- PROJECT OVERHEAD
- EXISTING TRANSMISSION LINE
- EQUIPMENT SKID
(Inverter, Transformer, Communications, Etc.)
- 300' MIN SETBACK FROM ROADWAY, TYPE D BUFFER
- 150' MIN SETBACK FROM PROPERTY LINE, TYPE D BUFFER

SHAWBORO EAST RIDGE SOLAR, LLC
PV POWER PLANT
IN SHAWBORO, NORTH CAROLINA

19 FEB 2015

25 MAY 2021

PROJECT OVERVIEW

SL2.0

Schedule 2-3

Required List of Permits or Certificates

	Permit/Approval	Status	Copy
Federal			
USACOE	Wetland Delineation	In process	
FERC	Market Base Rate Authorization	Forthcoming	
FERC	EQR	Forthcoming	
State			
CPCN	Generation CPCN-NCUC	Application	
NCDOT	Driveway Permits	Obtained	Y
NCDEQ	Erosion and Sedimentation Control Permit	Forthcoming	
Local			
Currituck County	Use Permit	Forthcoming	
Currituck County	Building/Electrical Permit	Forthcoming	



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

June 2, 2020

Permit # 2805

Subject: Driveway Permit – Shawboro East Ridge Solar, LLC
County: Currituck

SunEnergy1, LLC
192 Raceway Drive
Mooreseville, NC 28117

Dear Applicant,

Attached for your files is a copy of a Commercial / Residential Driveway Permit, which has been properly executed. Please note any comments, which may appear on the permit form.

Sincerely,

A handwritten signature in blue ink, appearing to read "David B. Otts".

David Otts, P.E.
District One Engineer

Attachments

Cc: Division Engineer (W/Attachments)
County Maintenance Engineer (W/Attachments)

APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION STREET AND DRIVEWAY ACCESS PERMIT APPLICATION
Driveway Permit No. <u>2805</u>	Date of Application <u>6/5/19</u> <u>6-2-2020</u> <u>4/3/20</u>	
County: <u>Currituck</u>		
Development Name: <u>Shawboro East Ridge Solar, LLC</u>		

LOCATION OF PROPERTY:

Route/Road: Approx 1550 feet from the intersection of Shawboro Road and East Ridge Road, headed east, we plan to install a 40 foot driveway entrance on the south side of the road. Entrance #1

Exact Distance 1550 ☐ Miles ☒ Feet ☐ N ☐ S ☒ E ☐ W

From the Intersection of Route No. Shawboro Road (SR1205) and Route No. E. Ridge Rd (SR1203) Toward Meads Rd (SR1204)

Property Will Be Used For: ☐ Residential /Subdivision ☒ Commercial ☐ Educational Facilities ☐ TND ☐ Emergency Services ☐ Other

Property: ☐ is ☒ is not within Shawboro City Zoning Area.

AGREEMENT

- I, the undersigned property owner, request access and permission to construct driveway(s) or street(s) on public right-of-way at the above location.
- I agree to construct and maintain driveway(s) or street entrance(s) in absolute conformance with the current "Policy on Street and Driveway Access to North Carolina Highways" as adopted by the North Carolina Department of Transportation.
- I agree that no signs or objects will be placed on or over the public right-of-way other than those approved by NCDOT.
- I agree that the driveway(s) or street(s) will be constructed as shown on the attached plans.
- I agree that that driveway(s) or street(s) as used in this agreement include any approach tapers, storage lanes or speed change lanes as deemed necessary.
- I agree that if any future improvements to the roadway become necessary, the portion of driveway(s) or street(s) located on public right-of-way will be considered the property of the North Carolina Department of Transportation, and I will not be entitled to reimbursement or have any claim for present expenditures for driveway or street construction.
- I agree that this permit becomes void if construction of driveway(s) or street(s) is not completed within the time specified by the "Policy on Street and Driveway Access to North Carolina Highways".
- I agree to pay a \$50 construction inspection fee. Make checks payable to NCDOT. This fee will be reimbursed if application is denied.
- I agree to construct and maintain the driveway(s) or street(s) in a safe manner so as not to interfere with or endanger the public travel.
- I agree to provide during and following construction proper signs, signal lights, flaggers and other warning devices for the protection of traffic in conformance with the current "Manual on Uniform Traffic Control Devices for Streets and Highways" and Amendments or Supplements thereto. Information as to the above rules and regulations may be obtained from the District Engineer.
- I agree to indemnify and save harmless the North Carolina Department of Transportation from all damages and claims for damage that may arise by reason of this construction.
- I agree that the North Carolina Department of Transportation will assume no responsibility for any damages that may be caused to such facilities, within the highway right-of-way limits, in carrying out its construction.
- I agree to provide a Performance and Indemnity Bond in the amount specified by the Division of Highways for any construction proposed on the State Highway system.
- The granting of this permit is subject to the regulatory powers of the NC Department of Transportation as provided by law and as set forth in the N.C. Policy on Driveways and shall not be construed as a contract access point.
- I agree that the entire cost of constructing and maintaining an approved private street or driveway access connection and conditions of this permit will be borne by the property owner, the applicant, and their grantees, successors, and assignees.
- **I AGREE TO NOTIFY THE DISTRICT ENGINEER WHEN THE PROPOSED WORK BEGINS AND WHEN IT IS COMPLETED.**

OFFICIAL COPY Jun 22 2021

APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION	
Driveway Permit No. <u>2805</u>	Date of Application <u>6/5/19</u> <u>0-2-2020</u> <u>11/3/20</u>	STREET AND DRIVEWAY ACCESS PERMIT APPLICATION	
County: <u>Currituck</u>			
Development Name: <u>Shawboro East Ridge Solar, LLC</u>			
LOCATION OF PROPERTY:			
Route/Road: <u>Approx 1315 feet from the intersection of Shawboro Road and East Ridge Road, headed east, we plan to install a 40 foot driveway entrance on the south side of the road. Entrance #2</u>			
Exact Distance <u>1315</u>	<input type="checkbox"/> Miles <input checked="" type="checkbox"/> Feet	<input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
From the Intersection of Route No. <u>Shawboro Road (SR1205)</u> and Route No. <u>E. Ridge Rd (SR1203)</u> Toward <u>Meads Rd (SR1204)</u>			
Property Will Be Used For: <input type="checkbox"/> Residential /Subdivision <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Educational Facilities <input type="checkbox"/> TND <input type="checkbox"/> Emergency Services <input type="checkbox"/> Other			
Property: <input type="checkbox"/> is <input checked="" type="checkbox"/> is not within <u>Shawboro</u> City Zoning Area.			
AGREEMENT			
<ul style="list-style-type: none"> • I, the undersigned property owner, request access and permission to construct driveway(s) or street(s) on public right-of-way at the above location. • I agree to construct and maintain driveway(s) or street entrance(s) in absolute conformance with the current "Policy on Street and Driveway Access to North Carolina Highways" as adopted by the North Carolina Department of Transportation. • I agree that no signs or objects will be placed on or over the public right-of-way other than those approved by NCDOT. • I agree that the driveway(s) or street(s) will be constructed as shown on the attached plans. • I agree that that driveway(s) or street(s) as used in this agreement include any approach tapers, storage lanes or speed change lanes as deemed necessary. • I agree that if any future improvements to the roadway become necessary, the portion of driveway(s) or street(s) located on public right-of-way will be considered the property of the North Carolina Department of Transportation, and I will not be entitled to reimbursement or have any claim for present expenditures for driveway or street construction. • I agree that this permit becomes void if construction of driveway(s) or street(s) is not completed within the time specified by the "Policy on Street and Driveway Access to North Carolina Highways". • I agree to pay a \$50 construction inspection fee. Make checks payable to NCDOT. This fee will be reimbursed if application is denied. • I agree to construct and maintain the driveway(s) or street(s) in a safe manner so as not to interfere with or endanger the public travel. • I agree to provide during and following construction proper signs, signal lights, flaggers and other warning devices for the protection of traffic in conformance with the current "Manual on Uniform Traffic Control Devices for Streets and Highways" and Amendments or Supplements thereto. Information as to the above rules and regulations may be obtained from the District Engineer. • I agree to indemnify and save harmless the North Carolina Department of Transportation from all damages and claims for damage that may arise by reason of this construction. • I agree that the North Carolina Department of Transportation will assume no responsibility for any damages that may be caused to such facilities, within the highway right-of-way limits, in carrying out its construction. • I agree to provide a Performance and Indemnity Bond in the amount specified by the Division of Highways for any construction proposed on the State Highway system. • The granting of this permit is subject to the regulatory powers of the NC Department of Transportation as provided by law and as set forth in the N.C. Policy on Driveways and shall not be construed as a contract access point. • I agree that the entire cost of constructing and maintaining an approved private street or driveway access connection and conditions of this permit will be borne by the property owner, the applicant, and their grantees, successors, and assignees. • I AGREE TO NOTIFY THE DISTRICT ENGINEER WHEN THE PROPOSED WORK BEGINS AND WHEN IT IS COMPLETED. 			

APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION STREET AND DRIVEWAY ACCESS PERMIT APPLICATION
Driveway Permit No. <u>2805</u>	Date of Application <u>6/5/19</u> <u>6.2.2020</u> <u>11/3/20</u>	
County: <u>Currituck</u>		
Development Name: <u>Shawboro East Ridge Solar, LLC</u>		

LOCATION OF PROPERTY:

Route/Road: Approx 1315 feet from the intersection of Shawboro Road and East Ridge Road, headed east, we plan to install a 40 foot driveway entrance on the north side of the road. Entrance #3

Exact Distance 1315 ☐ Miles ☒ Feet ☐ N ☐ S ☒ E ☐ W

From the Intersection of Route No. Shawboro Road (SR1205) and Route No. E. Ridge Rd (SR1203) Toward Meads Rd (SR1204)

Property Will Be Used For: ☐ Residential /Subdivision ☒ Commercial ☐ Educational Facilities ☐ TND ☐ Emergency Services ☐ Other

Property: ☐ is ☒ is not within Shawboro City Zoning Area.

AGREEMENT

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- I agree to construct and maintain driveway(s) or street entrance(s) in absolute conformance with the current "Policy on Street and Driveway Access to North Carolina Highways" as adopted by the North Carolina Department of Transportation.
- I agree that no signs or objects will be placed on or over the public right-of-way other than those approved by NCDOT.
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- I agree that that driveway(s) or street(s) as used in this agreement include any approach tapers, storage lanes or speed change lanes as deemed necessary.
- I agree that if any future improvements to the roadway become necessary, the portion of driveway(s) or street(s) located on public right-of-way will be considered the property of the North Carolina Department of Transportation, and I will not be entitled to reimbursement or have any claim for present expenditures for driveway or street construction.
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- I agree to indemnify and save harmless the North Carolina Department of Transportation from all damages and claims for damage that may arise by reason of this construction.
- I agree that the North Carolina Department of Transportation will assume no responsibility for any damages that may be caused to such facilities, within the highway right-of-way limits, in carrying out its construction.
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- I agree that the entire cost of constructing and maintaining an approved private street or driveway access connection and conditions of this permit will be borne by the property owner, the applicant, and their grantees, successors, and assignees.
- **I AGREE TO NOTIFY THE DISTRICT ENGINEER WHEN THE PROPOSED WORK BEGINS AND WHEN IT IS COMPLETED.**

APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION STREET AND DRIVEWAY ACCESS PERMIT APPLICATION
Driveway Permit No. <u>2805</u>	Date of Application <u>6/5/19</u> <u>6/3/2020</u> <u>7/3/20</u>	
County: <u>Currituck</u>		
Development Name: <u>Shawboro East Ridge Solar, LLC</u>		

LOCATION OF PROPERTY:

Route/Road: Approx 1685 feet from the intersection of Meads Road and East Ridge Road, headed south, we plan to install a 40 foot driveway entrance on the west side of the road. Entrance #4

Exact Distance 1685 ☐ Miles ☒ Feet ☐ N ☒ S ☐ E ☐ W

From the Intersection of Route No. Meads Road (SR1204) and Route No. E. Ridge Rd (SR1203) Toward Dead End Meads Road

Property Will Be Used For: ☐ Residential /Subdivision ☒ Commercial ☐ Educational Facilities ☐ TND ☐ Emergency Services ☐ Other

Property: ☐ is ☒ is not within Shawboro City Zoning Area.

AGREEMENT

- I, the undersigned property owner, request access and permission to construct driveway(s) or street(s) on public right-of-way at the above location.
- I agree to construct and maintain driveway(s) or street entrance(s) in absolute conformance with the current "Policy on Street and Driveway Access to North Carolina Highways" as adopted by the North Carolina Department of Transportation.
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OFFICIAL COPY Jun 22 2021

APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION STREET AND DRIVEWAY ACCESS PERMIT APPLICATION
Driveway Permit No. <u>2805</u>	Date of Application <u>6/5/19</u> <u>4/23/2020</u>	
County: <u>Currituck</u>		
Development Name: <u>Shawboro East Ridge Solar, LLC</u>		

LOCATION OF PROPERTY:

Route/Road: Approx 405 feet from the intersection of Meads Road and East Ridge Road, headed east, we plan to install a 40 foot driveway entrance on the north side of the road. Entrance #5

Exact Distance 405 ☐ Miles ☒ Feet ☐ N ☐ S ☒ E ☐ W

From the Intersection of Route No. Meads Road (SR1204) and Route No. E. Ridge Rd (SR1203) Toward Amy Landing Road

Property Will Be Used For: ☐ Residential /Subdivision ☒ Commercial ☐ Educational Facilities ☐ TND ☐ Emergency Services ☐ Other

Property: ☐ is ☒ is not within Shawboro City Zoning Area.

AGREEMENT

- I, the undersigned property owner, request access and permission to construct driveway(s) or street(s) on public right-of-way at the above location.
- I agree to construct and maintain driveway(s) or street entrance(s) in absolute conformance with the current "Policy on Street and Driveway Access to North Carolina Highways" as adopted by the North Carolina Department of Transportation.
- I agree that no signs or objects will be placed on or over the public right-of-way other than those approved by NCDOT.
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- I agree to pay a \$50 construction inspection fee. Make checks payable to NCDOT. This fee will be reimbursed if application is denied.
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APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION	
Driveway Permit No. <u>2806</u>	Date of Application <u>6/5/19</u> <u>6-2-2020</u> <u>4/13/20</u>	STREET AND DRIVEWAY ACCESS PERMIT APPLICATION	
County: <u>Currituck</u>			
Development Name: <u>Shawboro East Ridge Solar, LLC</u>			

LOCATION OF PROPERTY:

Route/Road: <u>Approx 1175 feet from the intersection of Meads Road and East Ridge Road, headed east, we plan to install a 40 foot driveway entrance on the north side of the road. Entrance #4</u>			
Exact Distance <u>1175</u>	<input type="checkbox"/> Miles <input checked="" type="checkbox"/> Feet	N <input type="checkbox"/> S <input type="checkbox"/> E <input checked="" type="checkbox"/> W <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
From the Intersection of Route No. <u>Meads Road (SR1204)</u>		and Route No. <u>E. Ridge Rd (SR1203)</u> Toward <u>Amy Landing Road</u>	
Property Will Be Used For: <input type="checkbox"/> Residential /Subdivision <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Educational Facilities <input type="checkbox"/> TND <input type="checkbox"/> Emergency Services <input type="checkbox"/> Other			
Property: <input type="checkbox"/> is		<input checked="" type="checkbox"/> is not within <u>Shawboro</u> City Zoning Area.	

AGREEMENT

- I, the undersigned property owner, request access and permission to construct driveway(s) or street(s) on public right-of-way at the above location.
- I agree to construct and maintain driveway(s) or street entrance(s) in absolute conformance with the current "Policy on Street and Driveway Access to North Carolina Highways" as adopted by the North Carolina Department of Transportation.
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APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION	
Driveway Permit No. 2805	Date of Application 6-2-2020 6/5/19 11/3/20	STREET AND DRIVEWAY ACCESS PERMIT APPLICATION	
County: Currituck			
Development Name: Shawboro East Ridge Solar, LLC			
LOCATION OF PROPERTY:			
Route/Road: Approx 2135 feet from the intersection of Meads Road and East Ridge Road, headed north east, we plan to install a 40 foot driveway entrance on the east side of the road. Entrance # 7			
Exact Distance 2135	<input type="checkbox"/> Miles <input checked="" type="checkbox"/> Feet	N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
From the Intersection of Route No. Meads Road (SR1204)		and Route No. E. Ridge Rd (SR1203) Toward Amy Landing Road	
Property Will Be Used For: <input type="checkbox"/> Residential /Subdivision <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Educational Facilities <input type="checkbox"/> TND <input type="checkbox"/> Emergency Services <input type="checkbox"/> Other			
Property: <input type="checkbox"/> is <input checked="" type="checkbox"/> is not within Shawboro City Zoning Area.			
AGREEMENT			
<ul style="list-style-type: none"> • I, the undersigned property owner, request access and permission to construct driveway(s) or street(s) on public right-of-way at the above location. • I agree to construct and maintain driveway(s) or street entrance(s) in absolute conformance with the current "Policy on Street and Driveway Access to North Carolina Highways" as adopted by the North Carolina Department of Transportation. • I agree that no signs or objects will be placed on or over the public right-of-way other than those approved by NCDOT. • I agree that the driveway(s) or street(s) will be constructed as shown on the attached plans. • I agree that that driveway(s) or street(s) as used in this agreement include any approach tapers, storage lanes or speed change lanes as deemed necessary. • I agree that if any future improvements to the roadway become necessary, the portion of driveway(s) or street(s) located on public right-of-way will be considered the property of the North Carolina Department of Transportation, and I will not be entitled to reimbursement or have any claim for present expenditures for driveway or street construction. • I agree that this permit becomes void if construction of driveway(s) or street(s) is not completed within the time specified by the "Policy on Street and Driveway Access to North Carolina Highways". • I agree to pay a \$50 construction inspection fee. Make checks payable to NCDOT. This fee will be reimbursed if application is denied. • I agree to construct and maintain the driveway(s) or street(s) in a safe manner so as not to interfere with or endanger the public travel. • I agree to provide during and following construction proper signs, signal lights, flaggers and other warning devices for the protection of traffic in conformance with the current "Manual on Uniform Traffic Control Devices for Streets and Highways" and Amendments or Supplements thereto. Information as to the above rules and regulations may be obtained from the District Engineer. • I agree to indemnify and save harmless the North Carolina Department of Transportation from all damages and claims for damage that may arise by reason of this construction. • I agree that the North Carolina Department of Transportation will assume no responsibility for any damages that may be caused to such facilities, within the highway right-of-way limits, in carrying out its construction. • I agree to provide a Performance and Indemnity Bond in the amount specified by the Division of Highways for any construction proposed on the State Highway system. • The granting of this permit is subject to the regulatory powers of the NC Department of Transportation as provided by law and as set forth in the N.C. Policy on Driveways and shall not be construed as a contract access point. • I agree that the entire cost of constructing and maintaining an approved private street or driveway access connection and conditions of this permit will be borne by the property owner, the applicant, and their grantees, successors, and assignees. • I AGREE TO NOTIFY THE DISTRICT ENGINEER WHEN THE PROPOSED WORK BEGINS AND WHEN IT IS COMPLETED. 			

APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION	
Driveway Permit No. <u>2805</u>	Date of Application <u>6/5/19</u> <u>6-2-2020</u> <u>4/13/20</u>	STREET AND DRIVEWAY ACCESS PERMIT APPLICATION	
County: Currituck			
Development Name: Shawboro East Ridge Solar, LLC			

LOCATION OF PROPERTY:

Route/Road: Approx 2560 feet from the intersection of Meads Road and East Ridge Road, headed north east, we plan to install a 40 foot driveway entrance on the east side of the road. <u>Entrance #8</u>			
Exact Distance 2560	<input type="checkbox"/> Miles <input checked="" type="checkbox"/> Feet	N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
From the Intersection of Route No. <u>Meads Road (SR1204)</u>	and Route No. <u>E. Ridge Rd (SR1203)</u>	Toward <u>Amy Landing Road</u>	
Property Will Be Used For: <input type="checkbox"/> Residential /Subdivision <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Educational Facilities <input type="checkbox"/> TND <input type="checkbox"/> Emergency Services <input type="checkbox"/> Other			
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SIGNATURES OF APPLICANT

PROPERTY OWNER (APPLICANT)

WITNESS

COMPANY

NAME

SIGNATURE

SIGNATURE

ADDRESS

ADDRESS

Phone No.

AUTHORIZED AGENT

WITNESS

COMPANY

SunEnergy1, LLC - Cody Jannise

NAME

Ellen Aycock

SIGNATURE

SIGNATURE

ADDRESS

192 Raceway Drive

ADDRESS

6750 NC Highway 30 East

Mooresville, NC 28117 Phone No. 252-508-6014

Bethel, NC 27812

APPROVALS

APPLICATION RECEIVED BY DISTRICT ENGINEER

SIGNATURE

DATE

APPLICATION APPROVED BY LOCAL GOVERNMENTAL AUTHORITY (when required)

SIGNATURE

TITLE

DATE

APPLICATION APPROVED BY NCDOT

SIGNATURE

TITLE

DATE

INSPECTION BY NCDOT

SIGNATURE

TITLE

DATE

COMMENTS:

ENTRANCE #1, 2, AND 4 WILL REQUIRE 48" DIAMETER PIPES, WHILE ENTRANCE #3, 5, 6, 7 AND 8
MUST BE AN 18" DIAMETER PIPE.

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Jun 22 2021



Entrance 8
2060 ft. From Intersection of
E. Ridge Rd. and Meads Rd.

Entrance 7
2135 ft. From Intersection of
E. Ridge Rd. and Meads Rd.

E. Ridge Rd.

Entrance 6
1175 ft. From Intersection of
E. Ridge Rd. and Meads Rd.

Entrance 5
405 ft. From Intersection of
E. Ridge Rd. and Meads Rd.

E. Ridge Rd.

Entrance 3
1315 ft. From Intersection of
E. Ridge Rd. and Meads Rd.

Entrance 2
1315 ft. From Intersection of
E. Ridge Rd. and Meads Rd.

Meads Rd.

Entrance 4
1685 ft. From Intersection of
E. Ridge Rd. and Meads Rd.

Entrance 1
1550 ft. From Intersection of
Shawboro Rd. and E. Ridge Rd.

Shawboro Rd.

E. Ridge Rd.

Shawboro East Ridge Solar, LLC
CPCN Application – Merchant Plant
NCUC EMP-117, Sub 0

DESCRIPTION OF THE NEED FOR THE FACILITY
Exhibit 3


Forecasts of the quantities of renewable power to be purchased within the PJM market over the next several years, and elsewhere in the southeastern United States, reflect a strong public need for additional utility-scale solar power production. The proposed facility will interconnect with Dominion's transmission grid, providing direct access to all load-serving suppliers participating in PJM, a Regional Transmission Organization ("RTO") in which Dominion participates. PJM coordinates the movement of electricity through all or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia, and the District of Columbia.

Additionally, Summer peak load growth for the Dominion zone, which serves parts of Eastern North Carolina where the Facility is located is expected to grow by 0.5.% per year over the next ten to fifteen years. While winter peak load growth in the Dominion zone is expected to grow by 0.9% per year over the next ten to fifteen years (PJM Load Forecast Report (Jan. 2021), available at. <https://www.pjm.com/-/media/library/reports-notices/load-forecast/2021-load-report.ashx>). Finally, the annual net energy in Dominion zone is expected to grow by 0.6% per year over the next ten to fifteen years. Therefore, the Applicant believes that there are strong market conditions and needs for renewable energy projects such as this proposed facility.

VERIFICATION

NOW COMES Linda Nwadike, being first duly sworn, and deposes and says that I am duly authorized to act on behalf of Shawboro East Ridge Solar, LLC as Director of Permitting and Community Relations for SunEnergy1, LLC, parent and affiliate of the Applicant; that I have read the foregoing, Shawboro East Ridge Solar, LLC's Application For a Certificate of Public Convenience and Necessity For Merchant Plant, and declare that the statements and information therein are true and accurate to my personal knowledge and belief, except where otherwise indicated, and in those instances, I believe the statements and information to be true.


Signed this 17 day of June 2021.



Linda Nwadike
Director of Permitting and Community Relations
SunEnergy1, LLC

SIGNED AND SEALED BEFORE ME THIS 17 day of June 2021.

Sworn to and subscribed to before me
this 17 day of June 2021.


Notary Public (Signature)
Notary Public (Printed)

My Commission Expires:

