

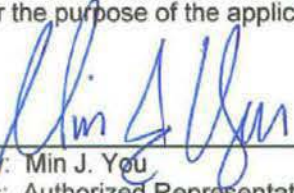
STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH

DOCKET NO. SP-8220, SUB 0

In the Matter of the Application of Alpha  
Value Solar, LLC For a Certificate of  
Public Convenience and Necessity

VERIFICATION

I, Min J. You, an Authorized Representative for Alpha Value Solar, LLC ("the applicant"), verify that the contents of the application for a Certificate of Public Convenience and Necessity filed in this docket are true to the best of my knowledge. I am duly authorized to act on behalf of the applicant Alpha Value Solar, LLC for the purpose of the application submitted hereto.

  
By: Min J. You  
Its: Authorized Representative

STATE OF FLORIDA  
COUNTY OF SEMINOLE

Min J. You, personally appeared before me this day and, being first duly sworn, says that the facts stated in the foregoing application and any exhibits, documents, and statements thereto attached are true as she so believes.

WITNESS my hand and notarial seal, this 29<sup>th</sup> day of July, 2016.



My Commission Expires: August 15, 2019

  
Signature of Notary Public

MAU VU DEATON  
Name of Notary Public

**North Carolina Utilities Commission**

**Application for a Certificate of Public Convenience and Necessity – Rule R8-64**

This form is applicable to applications for a CPCN filed by a person seeking the benefits of 16 U.S.C. 624-3 or G.S. 62-156 as a qualifying co-generator or a qualifying small power producer as defined in 16 U.S.C. 796(17) and (18) or as a small power producer as defined in G.S. 62-3(27a), except persons exempt from certification pursuant to G.S. 62-110.1(g).

You may file this application electronically; please see [www.ncuc.net/electronicfiling.html](http://www.ncuc.net/electronicfiling.html) for instructions. If you file a paper version, you must file the original plus 12 copies. The mailing address is:

Chief Clerk  
 NC Utilities Commission  
 4325 Mail Service Center  
 Raleigh, NC 27699-4325

| <b>Exhibits required by Rule R8-64(b)</b> |  | <b>Applicant's Response</b>  |
|---|--|--|
| (1)(i)                                    | Full and correct name of the owner of the facility   | Alpha Value Solar, LLC   |
|   | Facility name  | Alpha Value Solar, LLC   |
|   | Business address   | 176 Mine Lake Court, Suite #100, Raleigh, NC 27615   |
|   | E-mail address   | Info@Alpha-Value.com   |
|   | Telephone number   | (888) 746-5558   |
| (ii)                                      | The owner is (check one)   | <input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Corporation |
|   |  | <input checked="" type="checkbox"/> Limited Liability Company  |
|   | If a corporation, the state and date of incorporation  | NC LLC Articles of Organization filed: 06/28/2016  |
|   | If a partnership, the name and address of each general partner (add additional sheets if necessary)  |  |
|   | Owner's agent for purposes of this application, if applicable:   | Min J. You   |
|   | Agent's business address   | 176 Mine Lake Court, Suite #100, Raleigh NC 27615  |
|   | Agent's e-mail address   | Info@Alpha-Value.com   |
|   | Agent's telephone number   | (888) 746-5558   |
| (iii)                                     | The full and correct name of the site owner and, if the site owner is other than the applicant, the applicant's legal interest in the site | Site Owner: The Riddick Family Partnership<br>Applicant has a lease option interest in the site.                         |

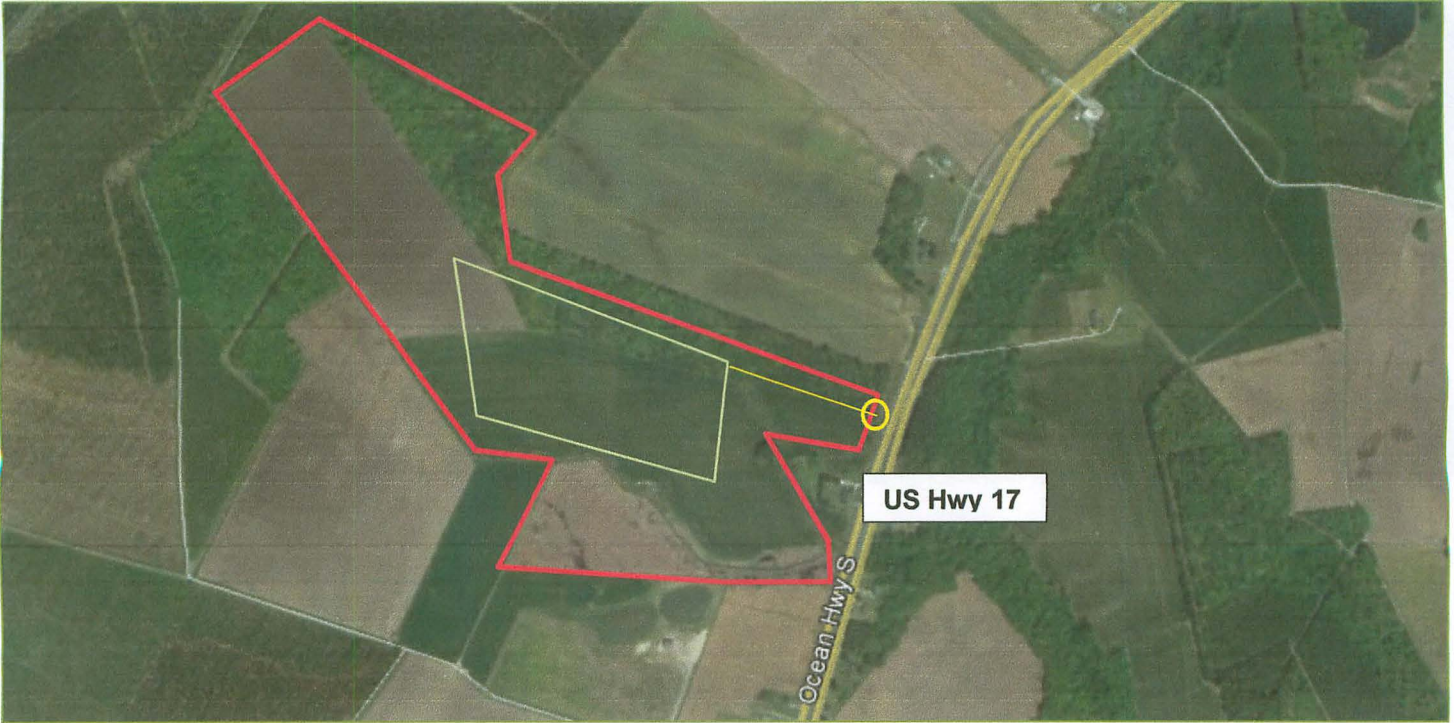
|        |   |  |
|--------|---|--|
| (2)(i) | Attach a color map or aerial photo showing the location of the generating facility site in relation to local highways, streets, rivers, streams, and other generally known local landmarks with the proposed location of major equipment indicated on the map or photo, including: the generator, fuel handling equipment, plant distribution system, startup equipment, the site boundary, planned and existing pipelines, planned and existing roads, planned and existing water supplies, and planned and existing electric facilities. A U.S. Geological Survey map or an aerial photo map prepared via the State's geographic information system (found at <a href="http://gis.ncdcr.gov/hpoweb/">http://gis.ncdcr.gov/hpoweb/</a> ) is preferred. |  |
| (ii)   | E911 street address of the proposed facility  | Farm property south of Hertford, NC off U.S. Hwy 17, approx. 1.4 miles southwest of intersection with Wynne Fork Road.   |
|        | County in which the proposed facility will be physically located  | Perquimans County  |
|        | GPS coordinates of the approximate center of the proposed facility site to the nearest second or one thousandth of a degree   | 36°09'27.55" N 76°29'24.55" W  |
| (3)(i) | The nature of the facility, including its technology, and the source of its power and fuel(s)   | 5 MW(AC) Solar Photovoltaic Power Generation Facility<br>Source of power for the solar photovoltaic power generation facility is the sun.  |
| (ii)   | A description of the buildings, structures and equipment comprising the generating facility and the manner of its operation   | Facility to be constructed with ground-mounted racking and approximately 21,212 solar modules generating DC current into combiner boxes and inverters to convert DC to AC power and voltage step up transformers to supply safe distributed generation power to the local electric grid. |
| (iii)  | The gross and net projected maximum dependable capacity of the facility in megawatts – Alternating Current  | Collectively the facility's gross maximum dependable capacity will be 5 MW (AC) with net projected 4.975 MW (AC) and a maximum dependable capacity of 0 MW (AC) due to the intermittent nature of solar power production.  |
|        | The facility's nameplate capacity in megawatts – Alternating Current  | 5 MW Alternating Current (AC)  |
| (iv)   | The projected date on which the facility will come on line  | 12/15/2017   |
| (v)    | The applicant's general plan for sale of the electricity to be generated, including the name of utility to which the applicant plans to sell the electricity  | Applicant's general plan is to sell to the electricity generated to Virginia Electric and Power Company (d/b/a DNCP) in accordance with its standard offer Power Purchase Agreement.   |
| (vi)   | Any provisions for wheeling of the electricity, if applicable   | No provisions for wheeling electricity   |
| (vii)  | Arrangements for firm, non-firm, or emergency generation, if applicable   | No arrangements for firm, non-firm or emergency generation have been made at this time.  |

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| (viii)  | The service life of the project  | Service life is expected to be a minimum of 20 years  |
| (ix)  | The projected annual sales in kilowatt-hours   | 11,100,000  |
| (x)   | <p>Whether the applicant intends to produce renewable energy certificates that are eligible for compliance with the State's renewable energy and energy efficiency portfolio standard</p> <p><input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No</p>  |   |
| (4)(i)  | A complete list of all federal and state licenses, permits and exemptions required for construction and operation of the generating facility and a statement of whether each has been obtained or applied for  | All required federal and state licenses, permits, and exemptions will be applied for and obtained as necessary by Applicant (e.g. NC DOT driveway permit, CUP, DNCP IA, FERC FORM 556, CPCN Order, SWEC permit, and etc...). Request for interconnection was filed with DNCP and Applicant will file FERC Form 556 self certification upon receipt of CPCN Order. |
| (ii)  | Attach a copy of those licenses, permits and exemptions that have been obtained; a copy of those that have not been obtained at the time of the application should be filed with the Commission as soon as they are obtained   |   |
| (5)   | The expected cost of the proposed facility   | \$<br>\$ 11,000,000.00  |
| <p>(6) An applicant who desires to enter into a contract for a term of 5 years or more for the sale of electricity, and whose facility will have a projected dependable nameplate capacity of 5 megawatts alternating current or more, and whose facility is not a solar photovoltaic facility, available for such sale shall include in the application the following information as described in R8-64(b)(6)(i), (ii), and (iii) below, except that an applicant who desires to enter into a contract of 5 years or more for the sale of electricity from a solar photovoltaic facility of 25 megawatts alternating current or more shall also include the information below:</p> |  |   |
| (i)a  | A statement detailing the experience and expertise of the persons who will develop, design, construct, and operate the project to the extent such persons are known at the time of the application   |   |
| b   | Information specifically identifying the extent to which any regulated utility will be involved in the actual operation of the project   |   |
| c   | A statement obtained by the applicant from the electric utility to which the applicant plans to sell the electricity to be generated setting forth an assessment of the impact of such purchased power on the utility's capacity, reserves, generation mix, capacity expansion plan, and avoided costs           |   |
| (ii)a   | The most current available balance sheet of the applicant  |   |
| b   | The most current available income statement of the applicant   |   |
| c   | An economic feasibility study of the project   |   |
| d   | A statement of the actual financing arrangements entered into in connection with the project to the extent known at the time of the application  |   |
| (iii)a  | A detailed explanation of the anticipated kilowatt and kilowatt-hour outputs, on-peak and off-peak, for each month of the year. The explanation shall include a statement of the specific on-peak and off-peak hours underlying the applicant's quantification of anticipated kilowatt and kilowatt-hour outputs |   |

|   |  |
|---|--|
| b   | A detailed explanation of all energy inputs and outputs, of whatever form, for the project, including the amount of energy and the form of energy to be sold to each purchaser |
| c   | A detailed explanation of arrangements for fuel supply, including the length of time covered by the arrangements, to the extent known at the time of the application           |
| <p><b>Confidentiality</b><br/> If an applicant considers certain of the required information above to be confidential and entitled to protection from public disclosure, it may designate said information as confidential and file it under seal. Documents marked as confidential will be treated pursuant to applicable Commission rules, procedures, and orders dealing with filings made under seal and with nondisclosure agreements.</p> |  |
| <p>Please read the "After You File" instructions on the last page of this document.</p>   |  |
| <p>All applications shall be signed and verified (notarized) by the applicant or by an individual duly authorized to act on behalf of the applicant for the purpose of the application. A blank verification page is attached below:</p>  |  |



# SP-8220, SUB 0 – ALPHA VALUE SOLAR, LLC



Proposed location for Alpha Value Solar, LLC is south of Hertford, NC on north side of U.S Hwy 17, approximately 1.4 miles southwest of intersection of Wynne Fork Road and U.S. Hwy 17 in Perquimans County.

