

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 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

| Exhibits required by Rule R8-64(b) | | Applicant's Response |
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| (1)(i) | Full and correct name of the owner of the facility | Wadesboro Solar, LLC |
| | Facility name | Wadesboro Solar |
| | Business address | PO Box 1395, Cornelius, NC 28031 |
| | E-mail address | adam.foodman@o2emc.com |
| | Telephone number | (704) 288-1160 |
| (ii) | The owner is (check one) | <input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Corporation |
| | If a corporation, the state and date of incorporation | North Carolina, incorporated, 22nd day of March, 2016 |
| | If a partnership, the name and address of each general partner (add additional sheets if necessary) | n/a |
| | Owner's agent for purposes of this application, if applicable: | O2 emc, LLC |
| | Agent's business address | PO Box 1395, Cornelius, NC 28031 |
| | Agent's e-mail address | adam.foodman@o2emc.com |
| | Agent's telephone number | (704) 288-1160 |
| (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 | SFLand, LLC has an option to purchase the land from Dixie Finance, Inc and Margaret C. Martin. O2 emc is the 100% owner of SFLand, LLC and Wadesboro Solar, LLC. |

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| (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 http://gis.ncdcr.gov/hpweb/) is preferred. | |
| (ii) | E911 street address of the proposed facility | 275 Allen Pond Road, Wadesboro, NC 28170 |
| | County in which the proposed facility will be physically located | Anson |
| | GPS coordinates of the approximate center of the proposed facility site to the nearest second or one thousandth of a degree | 34.9721, -80.0284 Directions: From the T interchange of Highway 52 and 74, travel east on 74 for 1.47 miles. Turn left onto Allen Pond Rd. Follow Allen Pond Rod for .3 miles and site location will be on your left. |
| (3)(i) | The nature of the facility, including its technology, and the source of its power and fuel(s) | The facility is a 20MW AC solar photo-voltaic power plant. The source of power is sunlight. |
| (ii) | A description of the buildings, structures and equipment comprising the generating facility and the manner of its operation | The plant will consist of roughly 83,520 solar modules wired in series and parallel, feeding to a combiner box that reroutes electricity into eight 2750KW inverters where electricity is transformed form DC to AC. |
| (iii) | The gross and net projected maximum dependable capacity of the facility in megawatts – Alternating Current | Solar is an intermittent energy source, therefore the facility is projected to have a maximum dependable capacity is zero (0) MW. |
| | The facility's nameplate capacity in megawatts – Alternating Current | 20MW AC |
| (iv) | The projected date on which the facility will come on line | 09/30/2016 |
| (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 | The applicant plans to sell the electricity to Duke Energy Progress under a bilateral power purchase agreement. |
| (vi) | Any provisions for wheeling of the electricity, if applicable | There are no provisions for wheeling of electricity. |
| (vii) | Arrangements for firm, non-firm, or emergency generation, if applicable | There are no arrangements for firm, non-firm or emergency generation. |

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| (viii) | The service life of the project | 25-30 years is expected |
| (ix) | The projected annual sales in kilowatt-hours | 41,998,816 |
| (x) | 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| (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 | FERC form 556 accepted under docket # QF16-782-000. An interconnection request was submitted to Duke Energy Progress on 4/22/16. Wadesboro Solar, LLC will obtain any and all state and federal licenses, permits or exemptions required for the facility once they are received. |
| (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 | \$ \$ 60,000,000.00 |
| (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: | | |
| (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 | |

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| 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>Confidentiality 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> | |

VERIFICATION

STATE OF North Carolina COUNTY OF Mecklenburg

[Signature]
Signature of Owner's Representative or Agent

Executive Assistant
Title of Representative or Agent

Kelly Hendley
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 application and any exhibits, documents, and statements thereto attached are true as he or she believes.

WITNESS my hand and notarial seal, this 3rd day of May, 20 16.

My Commission Expires: May 27th, 2019

[Signature]
Signature of Notary Public

Logan Stephens
Name of Notary Public – Typed or Printed



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

Wadesboro Solar
275 Allen Pine Lane
Wadesboro, NC 28170
Arson County

Legend
Wadesboro Airport Parcel

