

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

DOCKET NO. EMP-119, SUB 0
DOCKET NO. EMP-119, SUB 1

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

Application of Macadamia Solar, LLC for a)
 Certificate of Public Convenience and)
 Necessity to Construct a Merchant Plant)
 Solar Energy Facility in Washington)
 County, North Carolina)
) ANNUAL PROGRESS REPORT

Application of Macadamia Solar, LLC for a)
 Certificate of Environmental Compatibility)
 and Public Convenience and Necessity to)
 Construct Transmission Line in)
 Washington County, North Carolina)

Macadamia Solar LLC (“Macadamia”) hereby provides the following information required by the Order Requiring Filing of Additional Information issued in this docket on April 4, 2024 (“April 4 Order”). The information provided herein relates to: (1) the estimated cost of the generating plant, interconnection facilities, upgrades, and affected system upgrades required for the facility; (2) LCOT calculations for affected system upgrades; and (3) the date on which the Facility was placed into service or is anticipated to be placed in service.

1. Cost of Generating Plant

The estimated cost of constructing the Macadamia Solar facility (“the Facility”) is approximately \$ [REDACTED].

2. Cost of Interconnection Facilities

Based on the most recent estimate provided by PJM, the estimated cost of Interconnection Facilities required for the Facility is \$ [REDACTED].

3. Cost of Network Upgrades

Based on the most recent estimate provided by PJM, the estimated cost of Upgrades required for the Facility is \$[REDACTED]. Macadamia Solar will not receive reimbursement for any Upgrade costs.

4. Cost of Affected System Upgrades

No Affected System Upgrade costs have been allocated to Macadamia. However, as previously discussed in testimony provided in this docket, DEP has determined that Macadamia and other facilities in the PJM AD1 cluster trigger the need for an Upgrade on DEP's Everetts – Greenville transmission line. Sumac Solar LLC ("Sumac Solar") has entered into an Affected System Operating Agreement for the construction of this upgrade, at an estimated cost of \$150,000.

5. Updated LCOT Calculation for Affected System Upgrades

The April 4 Order directs Macadamia Solar to:

provide an updated LCOT calculation assuming that the Facility is responsible for all affected system costs necessitated by the facilities in its cluster, regardless of whether any of those costs presently are assigned or allocated to the Facility or to any other facility in the cluster, or whether any facility has a signed ASOA, and using the expected annual generator output in MWh of only the Facility;

The Macadamia Facility has a queue position in PJM's AD1 cluster. It is not possible for Macadamia to calculate an LCOT for all facilities in the PJM AD1 cluster, which includes projects throughout the PJM territory. However, using only the expected annual output of the Facility, Macadamia has calculated an LCOT of \$[REDACTED]/MWh for the Everetts-Greenville project discussed above, which to the best of Macadamia's knowledge is the only Upgrade on DEP's system assigned to projects in the AD1 cluster.

6. When the Facility May Be Placed in Service

At this time, Macadamia expects to place the Facility into service in December of 2028, subject to project development milestones and transmission facilities construction.

Respectfully submitted, this the 6th day of May, 2024.

FOX ROTHSCHILD LLP



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