


PROJECT NUMBER:

CERTIFICATION NUMBER

Rev. 02-2023CL



**CERTIFICATION OF ELECTRICAL INSTALLATION  
DISTRIBUTED ENERGY RESOURCE (RED)**

Account Owner/Holder with LUMA

(Number) \_\_\_\_\_

(Physical Installation Address: Street, No., Apt., Neighborhood, Urbanization)

Phone: \_\_\_\_\_

Account Number \_\_\_\_\_ Locality ID \_\_\_\_\_

Client Type:

Industrial  Commercial  Residential

Non-Profit Entity  Government

Measuring base: \_\_\_\_\_ Amps  Recertification

Number of meters: \_\_\_\_\_

Existing meter number: \_\_\_\_\_

Supply Side:  YES  NO

Designer: \_\_\_\_\_

Engineer License: \_\_\_\_\_

License expiration date: \_\_\_\_\_

**CERTIFICATION**

I, \_\_\_\_\_, hereby certify that I am at least 18 years old,  married  single, and resident of \_\_\_\_\_, Puerto Rico, that I'm a licensed collegiate electrical engineer or electrician expert, authorized to work in Puerto Rico, license number \_\_\_\_\_, that I'm not an employee of the Puerto Rico Electric Power Authority or LUMA Energy ServCo, LLC or its subsidiaries, and that I have been contracted by \_\_\_\_\_ for the installation of the Distributed Energy Resource (RED) described herein. I certify that I performed the electrical installation described in accordance with applicable laws; that it complies with LUMA standards and regulations, endorsed drawings or illustrative diagrams (as applicable), the National Electrical Code (NEC), National Electrical Safety Code (NESC) and other applicable building codes in force; and that it is free of electrical hazards. In addition, I certify that the aggregate capacity of RED, including that proposed, does not exceed the capacity of the service transformer or the ampacity of the secondary conductor of this transformer. I will not provide any economic benefit to employees of the Authority and/or LUMA related to this certification.

**I. DESCRIPTION OF DISTRIBUTED ENERGY RESOURCE (NETWORK)**

<p>Technology Type: _____ Location Within Premises: _____</p> <p><input type="checkbox"/> Photovoltaic <input type="checkbox"/> Existing Roof</p> <p><input type="checkbox"/> Wind <input type="checkbox"/> Other: _____</p> <p><input type="checkbox"/> Other (please specify) _____</p> <p>_____ OGPe Permission Number: _____</p>	<p>Generator data (photovoltaic modules, wind turbine, microturbine, etc.): <input type="checkbox"/> AC <input type="checkbox"/> DC</p> <p>Existing capacity, if applicable (kW): _____ Total capacity (includes existing) (kW): _____</p> <p>1. Manufacturer: _____ 2. Manufacturer: _____</p> <p>Model: _____ Model: _____</p> <p>Quantity: _____ Quantity: _____</p> <p>Capacity (W): _____ Capacity (W): _____</p> <p align="right">Total capacity (kW): _____</p>
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<p><b>Inverter Data:</b> Connection: <input type="checkbox"/> Single-phase <input type="checkbox"/> Three-phase</p> <p>Existing capacity, if applicable (kW AC) _____ Total capacity (includes existing) (kW AC): _____</p>	<p><b>Storage System Data:</b> <input type="checkbox"/> Installed <input type="checkbox"/> Not Installed</p> <p>Existing capacity kWh _____ <input type="checkbox"/> AC <input type="checkbox"/> DC Total capacity (includes existing if applicable) kWh _____</p>
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<p><b>Batteries</b></p> <p>1. Manufacturer: _____ 2. Manufacturer: _____</p> <p>Model: _____ Model: _____</p> <p>Quantity: _____ Quantity: _____</p> <p>Maximum Capacity (kW AC): _____ Maximum Capacity (kW AC): _____</p> <p>Quantity: _____ Quantity: _____</p> <p>Interconnect voltage: _____ Interconnect voltage: _____</p> <p>Nominal current: _____ Nominal current: _____</p> <p>LUMA Approved <input type="checkbox"/> Yes <input type="checkbox"/> No LUMA Approved <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p align="center">Maximum total capacity (kW AC): _____</p>	<p><b>Storage Inverter</b></p> <p>Manufacturer: _____</p> <p>Model: _____</p> <p>Quantity: _____</p> <p>Technology (Lithium, AGM, etc): _____</p> <p>Total Bank Capacity (kWh): _____</p> <p>Type: <input type="checkbox"/> AC <input type="checkbox"/> DC</p>
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**II. EXISTING ELECTRICAL INFRASTRUCTURE FOR GRID INTERCONNECTION**

<p>Service transformer capacity (kVA): _____</p> <p>Aggregate capacity of RED connected to transformer (kW): _____</p> <p>Transformer number (if visible): _____</p> <p>Occupation of pre-existing easement in the property: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Security clearances: <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Supply number: _____ Voltage: _____ (kV)</p> <p>Caliber primary conductor (<input type="checkbox"/> Aerial <input type="checkbox"/> Underground): _____</p> <p>Secondary driver gauge ((<input type="checkbox"/> Aerial <input type="checkbox"/> Underground): _____</p> <p>RED invades existing PREPA easement: <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
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**III. FEEDBACK:**

This certification, and its respective annexes, is received and accepted based on the information provided by the electrical engineer or electrical expert who signs it, and is conditioned on the installed distributed energy resource complying with the technical requirements established in the applicable laws and regulations and that the existing electrical infrastructure of the Authority has the capacity for its interconnection. The owner's copy will be submitted to LUMA<sup>2</sup> to request interconnection with its electrical network.

<p><b>Certified by:</b></p> <p>Signature of the Electrical Engineer, Licensed and Collegiate _____</p> <p>Signature of the Electrician Expert _____</p> <p>_____</p> <p align="center">Name in print</p> <p>_____</p> <p align="center">Street, Number, km, Neighborhood</p> <p>City _____ Telephone _____</p> <p>Engineer/Expert _____ Installer _____</p> <p>Expiration _____ Expiration _____</p> <p>Date: _____</p>	<p><b>Approved by:</b></p> <p>Signature of the LUMA Representative _____</p> <p>(Supervising Engineer Inspections)</p> <p>_____</p> <p align="center">Name in print</p> <p>_____</p> <p align="center">Title</p> <p>LUMA Office _____ Telephone _____</p> <p>Date: _____</p>	<p align="center"><b>ORIGINAL</b></p> <p align="center"><b>LUMA ENERGY SERVCO, LLC</b></p> <p align="center"><b>1st Copy-Owner</b></p> <p align="center"><b>2<sup>of</sup> Copy-Engineer/Electrical Expert</b></p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>THIS CERTIFICATION EXPIRES TWO YEARS AFTER ACCEPTANCE IF THE SYSTEM IS NOT ENERGIZED</p> </div>
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1. LUMA Energy ServCo, LLC ("LUMA") as an agent of the Puerto Rico Electric Power Authority ("Authority") and pursuant to the terms of the Puerto Rico Electric Power Transmission and Distribution System Operation and Maintenance Agreement.