

**RESIDENTIAL AND SMALL COMMERCIAL
STANDARD INTERCONNECTION AGREEMENT
FOR
WAKE ELECTRIC MEMBERSHIP CORPORATION**

Interconnection Submittal Requirements Checklist

- 1. Signed "Residential Standard Interconnection Agreement for Wake Electric Membership Corporation"

- 2. Proof of insurance, as noted in Section 9.(a) of the Agreement

- 3. Copy of Report of Proposed Construction (RPC) under North Carolina Utilities Commission (NCUC) Rule R8-65

- 4. All applicable drawings including, but not limited to:
 - Engineering one-line connectivity
 - Equipment layout

- 5. Equipment Specifications (inverter and generator)

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Version updated 12/5/2022

This RESIDENTIAL AND SMALL COMMERCIAL STANDARD INTERCONNECTION AGREEMENT, (the "Agreement"), is entered into as of _____, 20____, (the "Effective Date"), by and between _____, hereinafter called "Member", and Wake Electric Membership Corporation, hereinafter called "Company". Member and Company are hereinafter collectively referred to as the "Parties" or "Party." In consideration of the mutual covenants set forth herein, the Parties agree as follows:

1. SCOPE OF AGREEMENT:

- (a) This Agreement is for New Generating Facility
 Capacity Change to Existing Generating Facility
 Transfer of Ownership of Existing Generating Facility

If capacity addition to existing Generating Facility, please describe:

- (b) This Agreement relates solely to the conditions under which Company and Member agree that Member's generation system and equipment, hereinafter the "Generator", and located at or near (*address*) _____

_____ may be interconnected to and operated in parallel with Company's electric system. This Agreement does not authorize Member to export power or constitute an agreement to purchase or wheel Member's power. Other services that Member may require from Company shall be covered under separate agreements.

- (c) Company will supply the electrical requirements of Member that are not supplied by Member's Generator. Such electric service shall be supplied to Member under Company's rates schedules, and service regulations applicable to Member's class of service.

2. INTERCONNECTION:

(a) Company hereby authorizes Member to interconnect and commence operation under the terms of this Agreement once the appropriate County has delivered a “passed” inspection notice to Wake Electric and Wake Electric has installed the appropriate meter, subject to Member having received Company's written acceptance specified in 2.(g).

(b) Member's Generator must be manufactured, installed and operated in accordance with governmental and industry standards, including, but not necessarily limited to, standards referenced in Appendix A.

(c) Generator Information:

Manufacturer, Model Name and Number: a. _____

Individual Solar Panel Wattage: b. _____ W/each

Number of Proposed Panels: c. _____

Maximum Generation Capacity: d. _____ kW
$$\frac{(b. \times c.)}{1000}$$

Maximum Inverter Rating: e. _____ kW

Maximum System Capacity Rating: f. _____ kW
Lesser of d. and e.

(d) Battery Storage:

Brand Name, Model Name and Number _____

Number of Battery Units _____

Capacity of Each Unit _____ kWh

Stationary Mobile (e.g., electric vehicle)

(e) The point of interconnection between Member and Company hereunder will be:

the utility meter, or other, describe: _____

- (f) Generating Facility Rate: (*Choose one*)
- Net Metering / Renewable Generation Credit (Rider NM-RGC-1)
Single meter installation; member intends to utilize generation within the home; any excess generation will be paid at published rate; excess energy may also qualify for NC GreenPower credits
 - Qualifying Facilities (Rider QF) (Not Typical for Residential)
Designated for accounts above 10kW and selling all generation to the utility; account may also qualify for NC GreenPower credits
- (g) Member shall not interconnect Member's Generator with Company's electric system nor commence parallel operation of Member's Generator until both Parties have accepted this Agreement and the requirements for interconnection stated in the Interconnection Standard have been met. Company shall have the right and opportunity to have representatives present at the initial testing of Member's protective apparatus. Member shall notify Company 5 (five) business days prior to the initial testing. In the event Member has interconnected Member's Generator without Company's acceptance of this Agreement, or the Generator has not met the requirements of the Interconnection Standard, Company shall have the right to immediately isolate Member's premises and/or Generator from Company's system until Company's acceptance is granted and the requirements of the Interconnection Standard have been met.
- (h) Member shall not make any changes to the Generator output capacity and/or modification to the protection system required to meet the Interconnection Standard without notice to and written acceptance from Company prior to making the changes to the Generator.
- (i) Isolation Device: Member shall install a manual load-break disconnect switch with a clear visible indication of switch position between Company's electric system and Member's Generator. It is preferred the Isolation Device be within five feet (5') of the meter base; otherwise there shall be signage clearly referencing location of the Isolation Device. The Isolation Device shall be installed as specified in the Interconnection Standard.

(j) Warning Label: Member will install a permanent warning label in a conspicuous place in close proximity to the electric meter or on the meter base to notify Company personnel that there is a generator installed on the load side of the meter. The warning label shall not be placed in a location that would interfere with the ability of Company personnel to read the electric meter. Member shall also place a warning label on the Isolation Device. The warning labels must be in place before the Generator can be interconnected with Company's system.

3. INTERCONNECTION COST: The cost to Member for all Company owned and maintained facilities constructed and/or installed by Company to accommodate the interconnection and safe operation of Member's Generator in parallel with Company's electric system shall be determined in accordance with Company's applicable Service Regulations.

4. RIGHT OF ACCESS AND EQUIPMENT INSTALLATION:

(a) Access To Premises: The duly authorized agents of Company shall have the right of ingress and egress to the premises of Member at all reasonable hours, over the same general route as Member utilizes, for the purpose of reading meters, inspecting Company's wiring and apparatus, changing, exchanging, or repairing its property on the premises of Member and to remove such property at the time of or at any time after the suspension of interconnection of the Generator or termination of this Agreement. Company shall have access to Member's Isolation Device at all times.

(b) Company's obligation to provide the interconnection as covered in this Agreement on the agreed upon Effective Date is contingent upon Company receiving the rights-of-way and necessary equipment in sufficient time to install it on or before that date.

5. MAINTENANCE OF INTERCONNECTION FACILITIES: Member shall maintain Member's Generator and all related Member-owned protective equipment and facilities in a safe and prudent manner, conforming to all applicable laws and regulations. Member shall reimburse Company for any and all losses, damages, claims, penalties or liability Company incurs as a result of Member's failure to maintain the Generator, equipment, and facilities in a safe and

prudent manner and/or failure to obtain and maintain any governmental authorizations or permits required for construction and operation of Member's facility.

6. DISCONNECTION OF GENERATOR: Company may isolate Member's premises and/or Generator from Company's system when necessary in order to construct, install, repair, replace, remove, investigate, or inspect any of Company's equipment or part of Company's system; or if Company determines that isolation of Member's premises and/or Generator from Company's system is necessary because of emergencies, forced outages, Force Majeure or compliance with prudent electrical practices. Whenever feasible, Company shall give Member reasonable notice of the possible isolation of Member's premises and/or Generator from Company's system. Notwithstanding any other provision of this Agreement, if at any time Company determines that either the Generator may endanger Company's personnel or other persons or property, or the continued operation of Member's Generator may endanger the integrity or safety of Company's electric system, Company shall have the right to isolate Member's premises and/or Generator from Company's system. It is agreed that Company shall have no liability for any loss of sales or other damages, including all punitive and consequential damages for the loss of business opportunity, profits, or other losses, regardless of whether such damages were foreseeable, for the isolation of Member's premises and/or Generator from Company's system per this Agreement. Company shall expend reasonable effort to reconnect the Member's premises and/or Generator with the Company's system in a timely manner.

7. PERMITS AND APPROVALS: Member shall obtain all environmental and other permits required by governmental authorities prior to construction, installation, and interconnection of the Generator. Member shall also maintain these applicable permits and compliance with these permits during the term of this Agreement. Company will not allow operation of the Generator until approved inspections are received and recorded by the Company.

8. INDEMNITY AND LIABILITY:

(a) Limitation of Liability: Each party's liability to the other party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising

from any act or omission hereunder, shall be limited to the amount of direct damage actually incurred. In no event shall either party be liable to the other party for any indirect, special, incidental, consequential, or punitive damages of any kind.

- (b) Indemnification: The parties shall at all times indemnify, defend and save the other party harmless from any and all damages, losses, claims, including claims and actions relating to injury or death of any person or damage to property, demand, suits, recoveries, costs and expenses, court costs, attorney's fees, and all other obligations by or to third parties, arising out of or resulting from the other party's action or inaction of its obligations hereunder on behalf of the indemnifying party, except in cases of gross negligence or intentional wrongdoing by the indemnified party.
- (c) The provisions of Section 8.(a) shall not be construed to relieve any insurer of its obligations to pay any claims in accordance with the provision of any valid insurance policy.
- (d) If Member at any time fails to comply with the insurance provisions of this Agreement, Member shall, at its own cost, defend, save harmless and indemnify Company, its directors, officers, employees, agents, assignees, and successors in interest from and against any and all loss, liability, damage, claim, cost, charge, demand, or expense of any kind or nature (including attorneys fees and other costs of litigation) resulting from the death or injury to any person or damage to any property, including the personnel and property of Company, its contractors, its customers, and/or the public to the extent that Company would have been protected had Member complied with all such insurance provisions. The inclusion of this Section 8.(d) is not intended to create any express or implied right of Member to elect not to provide any such required insurance.
- (e) Member shall be responsible for installing and maintaining devices adequately to protect against damages caused by irregularities or outages on Company's system, regardless of the cause or fault, including devices to protect against voltage fluctuations and single phasing.

9. INSURANCE:

- (a) Member shall obtain and retain, for as long as its Generator is interconnected with the Company's system, liability insurance which protects Member from claims for bodily injury and/or property damage. For a non-residential Member the minimum coverage shall be comprehensive general liability insurance with coverage at least \$300,000 per occurrence and for a residential Member the minimum coverage shall be a standard homeowner's insurance policy with liability coverage in the amount of at least \$100,000 per occurrence. Prior to interconnection of the Generator with Company's system, Member shall furnish a properly executed certificate of insurance to Company clearly evidencing the required coverage and any exclusions applicable to such coverage. The certificate shall provide that the insurance coverage shall not be canceled or modified unless and until Company receives at least thirty (30) days prior written notice. Member shall further replace such certificates for policies expiring during the period its Generator is interconnected with Company's system. Company has the right to refuse to establish or continue the interconnection of Member's generation facility to Company's system if such insurance is not in effect.
- (b) Insurance coverage for the premises where the Member's Generator is located shall, by endorsement to the policy or policies, provide for thirty (30) days of written notice to Company prior to cancellation, termination, alteration, or material change of such insurance.

- 10. FORCE MAJEURE:** For purposes of this Agreement, Force Majeure shall mean any act of God, labor disturbance, act of the public enemy, war, terrorism, insurrection, riot, fire, storm, flood or other extreme weather condition, explosion, breakage or accident to machinery or equipment, any order, regulation or restriction imposed by governmental, military or lawfully established civilian authority, or any other event caused beyond a Party's control. A Force Majeure event does not include an act of negligence or intentional wrongdoing.

11. **NON-WARRANTY:** Company's approvals given pursuant to this Agreement or actions taken hereunder shall not be construed as any warranty or representation to Member or any third party regarding the safety, durability, reliability, performance or fitness of Member's generation and service facilities, its control or protective devices or the design, construction, installation or operation thereof.
12. **EFFECTIVE TERM AND TERMINATION RIGHTS:** This Agreement becomes effective when executed by both parties and shall continue in effect until terminated. The Agreement may be terminated in accordance with the following:
- (a) If Member desires to terminate the Agreement, Company will agree to such termination if Company is satisfied that Member no longer can operate Member's Generator in parallel with Company's system at the premises and all bills for services previously rendered to Member, plus any applicable termination charges, have been paid. Company may waive the termination charges if Company has secured or expects to secure from a new occupant or operator of the premises an Agreement satisfactory to Company for the interconnection to Company for a term not less than the unexpired portion of Member's Agreement.
 - (b) Company, in addition to all other legal remedies, may either terminate the Agreement or suspend interconnection with Member (1) for any default or breach of Agreement by Member, (2) for failure to pay any applicable bills when due and payable, (3) for a condition on Member's side of the point of interconnection actually known by Company to be, or which Company reasonably anticipates may be, dangerous to life or property, (4) if Member either fails to energize the Generator within 12 months of the Effective Date of this Agreement or permanently abandons the Generator, or (5) by giving the Member at least sixty days notice in the event that there is a material change in an applicable rule or statute concerning interconnection and parallel operation of the Generator, unless the Member's installation is exempted from the change or the Member complies with the change in a timely manner. No such termination or suspension,

however, will be made by Company without written notice delivered to Member, personally or by mail, stating what, in particular, in the Agreement has been violated, except that no notice need be given in instances set forth in 12.(b)(3) above. Failure to operate the Generator for any consecutive 12 month period after the Effective Date shall constitute permanent abandonment unless otherwise agreed to in writing between the Parties.

13. GENERAL:

- (a) This Agreement and any other applicable documents are subject to changes or substitutions, either in whole or in part, as may be necessary to conform to applicable law. Unless specified otherwise, any such changes or substitutions shall become effective immediately and shall nullify all prior provisions in conflict therewith.
- (b) Headings: The descriptive headings of the various sections of this Agreement have been inserted for convenience of reference only and are to be afforded no significance in the interpretation or construction of this Agreement.

14. ENTIRE AGREEMENT: This Agreement and the documents attached hereto constitute the entire Agreement between the Parties relating to the subject matter hereof, there being no other agreements or understandings, written or oral, other than those contained in this Agreement and the attachments hereto. This Agreement does not modify, change or impact any other agreement between the Parties relating to the supply of electric service, or the sale of, or purchase of, electric power.

15. AMENDMENTS: The Parties may amend this Agreement, but such amendment may only be effective and enforceable if it is set forth in a written instrument signed by both Parties.

16. ASSIGNMENT: Member shall not assign its rights nor delegate its duties under this Agreement without Company's written consent. Any assignment or delegation Member makes without Company's written consent shall not be valid. Company shall not unreasonably withhold its consent to Member's assignment of this Agreement. An assignee or new customer must obtain Company's written approval before any assignment shall occur. Member assumes the

responsibility of ensuring a new customer or assignee is aware the new customer or assignee must obtain Company's written acceptance or the equipment must be removed or disabled to prevent future interconnection and/or operation.

17. **THIRD PARTIES:** This Agreement is intended solely for the benefit of the parties hereto. Nothing in this Agreement shall be construed to create any duty to, or standard of care with reference to, or any liability to, any person not a party of this Agreement.
18. **GOVERNING LAW:** This Agreement shall be governed under laws of the State of North Carolina.
19. **SEVERABILITY:** If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction, such portion or provision shall be deemed separate and independent, and the remainder of this Agreement shall remain in full force and effect.
20. **WAIVER:** No delay or omission in the exercise of any right under this Agreement shall impair any such right or shall be taken, construed or considered as a waiver or relinquishment thereof, but any such right may be exercised from time to time and as often as may be deemed expedient. In the event that any agreement or covenant herein shall be breached and thereafter waived, such waiver shall be limited to the particular breach so waived and shall not be deemed to waive any other breach hereunder.
21. **CUSTOMER CERTIFICATION:** By signing this Agreement below, Member hereby certifies that, to the best of Member's knowledge, all of the information provided to the Company in connection with electric service, interconnection and/or sale pursuant to this Agreement is true and correct, and that Member has received and reviewed this Agreement.
22. **ACCEPTANCE AND SIGNATURES:** Upon the acceptance hereof by Company, evidenced by the signature of its authorized representative appearing below, this document shall be an Agreement for the interconnection of Member's Generator to Company's system.

Solar Company:

Company Name: _____
Contact Person: _____
Contact Phone Number: _____
Installer Name: _____

Member Signature:

By: (Signature) _____
Name: (Please Print) _____
Phone Number: _____
Account Number: _____
Date: _____

Accepted:

Wake Electric Membership Corporation

By: (Signature) _____
Name: (Please Print) _____
Title: _____
Date: _____

Appendix A

List of Applicable Standards

1. IEEE 929 – Recommended Practice for Utility Interface of Photovoltaic (PV) Systems, latest published edition
2. IEEE 1547 – Standard for Interconnecting Distributed Resources with Electric Power Systems, latest published edition
3. IEEE 1547.1 – 2005 Standard Conformance Test Procedures for Interconnection Distributed Energy Resources with Electric Power Systems
4. IEEE P1547.3 – Draft: Guide for Monitoring, Information Exchange, and Control of Distributed Resources Interconnected with Electric Power Systems
5. UL 1741 – Inverters, Converters and Controllers for use in Independent Power Systems, latest published edition
6. NFPA 70 – National Electrical Code, latest published edition