POWER PURCHASE AND INTERCONNECTION AGREEMENT (FROM A QUALIFYING FACILITY WITH A DESIGN CAPACITY UNDER 100kW)

This Agreement is made and entered into and effective this 1th day of April, 2016, among East Kentucky Power Cooperative, Inc. (a Kentucky corporation with its principal office at 4775 Lexington Road, Winchester, Kentucky 40391) ("EKPC"), Fleming-Mason Energy Cooperative ("Member") and COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET, DEPARTMENT FOR FACILITIES MANAGEMENT, DIVISION OF ENGINEERING, FRANKFORT, KENTUCKY ("Seller").

WITNESSETH:

WHEREAS, The Seller owns or will own a Qualifying Facility, as defined by 807 KAR 5:054, Section 1(8) and the Seller desires to produce electric power and energy for its own use and that of EKPC.

WHEREAS, EKPC is engaged in the generation, transmission and sale of electric power in the Commonwealth of Kentucky, EKPC is the wholesale power supplier for Member, and EKPC desires to purchase electric power and energy from the Seller pursuant to 807 KAR 5:054;

WHEREAS, EKPC and Member are willing to permit the Seller to be interconnected and operated in parallel with Member's System, so that the Seller will be able to deliver to EKPC through Member's System such power and energy produced by the QF as will be sold to EKPC; and

WHEREAS, the parties wish to specify in this Agreement their relative rights and responsibilities regarding the sale and purchase of QF electric power and energy;

NOW, THEREFORE, the parties agree as follows:

ARTICLE I - DEFINITIONS

1.01 "Agreement" shall mean this Power Purchase and Interconnection Agreement and all Schedules hereto.

1.02 "Applicable Laws and Regulations" shall mean all duly enacted applicable federal, state and local laws, regulations, rules, ordinances, codes, decrees, judgments, directives, or judicial or administrative orders, permits and other duly authorized actions of any Governmental Authority.

1.03 "Authorization" shall mean any license, permit, approval, filing, waiver, exemption, variance, clearance, entitlement, allowance, franchise, or other authorization from or by a Governmental Authority.

1.04 "Authorization Date" shall mean the date that the last Authorization <u>Talina R. Mathews</u> in order for the Parties to perform this Agreement is granted by the Ker junit Burger of the Rural Utilities Service or Explanation able Governmental Authority.

> 9/22/2016 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

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1.05 "Delivery Point" shall mean the meter at the point of connection of the 12,470 volt facilities of Member and the 12,470 volt facilities of the Seller.

1.06 "Dispute" shall have the meaning given in Section 9.06(a).

1.07 "Early Termination Date" shall have the meaning given in Section 9.03(a).

1.08 "Environmental Attributes" shall mean: 1) production tax credits applicable to electricity produced from certain renewable resources pursuant to 26 U.S.C. § 45, or any successor thereto or equivalent thereof; 2) any other federal or state tax deductions, credits or incentives for which the Qualifying Facility is eligible based upon its generation of electricity from renewable resources; 3) any grants or other payments from a Governmental Authority or non-profit entity (other than a cooperative corporation formed under KRS Chapter 279 and to the extent permitted by law) for which the Qualifying Facility is eligible based upon its generation of electricity from renewable resources; 4) environmental air quality credits, off-sets, emission reductions, allowance or other benefits related to the generation of electricity from the Qualifying Facility in a manner which reduces, displaces or off-sets emissions resulting from fuel combustion at another location pursuant to any law; and 5) credits, off-sets, environmental and other certificates, green pricing programs, renewable energy credit trading programs or any similar program.

1.09 "Event of Default" shall have the meaning given in Section 9.01 and Section 9.02.

1.10 "Force Majeure" shall have the meaning given in Section 7.01.

1.11 "Good Utility Practice" shall mean any of the practices, methods and acts employed by owners and/or lessors, operators or maintainers of electric generation, transmission or distribution facilities similar in size and operational characteristics to the Qualifying Facility, Interconnection Facilities, Member's System and EKPC's transmission system which, in the exercise of reasonable judgment in the light of the facts known or that reasonably should have been known at the time that a decision was made, could reasonably have been expected to accomplish the desired result at the lowest reasonable cost, consistent with licensing and regulatory considerations, environmental considerations, reliability, safety, protection of lives and property, expedition, the technical specifications and manufacturer's maintenance requirements, and the applicable requirements of any Governmental Authority. Good Utility Practice is not intended to be limited to the optimum practice, method or act, to the exclusion of all others, but rather to be a spectrum of possible practices, methods or acts generally accepted in the region.

1.12 "Governmental Authority" shall mean the federal government of the United States, and any state, county or local government, and any regulatory department, body, political subdivision, commission (including the Kentucky Public Service Commission and Federal Energy Regulatory Commission), agency, instrumentality, ministry, court, judicial or administrative body, taxing authority, or other authority of any of the foregoing (including any corporative Network) entity owned or controlled by any of the foregoing), any regional transmission organization or independent system operator, any national or regional reliability organization and Network NERC) or any reliability coordinator, in each case, having jurisdiction or authority of the Agreement (or any portion thereof), the Seller, EKPC, Member, the Qualuta R. Matheware, the Interconnection Facilities, the Member's System or EKPC's transmission system, whether acting under actual or assumed authority. **9/22/2016**

1.13 "Initial Term" shall mean the period commencing on the effective date of this Agreement, written above, and concluding on a date five years following the Authorization Date.

1.14 "Interconnection Costs" shall mean all reasonable costs of connection, switching, metering, transmission, distribution, safety provisions and administrative costs incurred by EKPC or the Member directly related to the installation and maintenance of physical facilities necessary to permit interconnected operations with the Qualifying Facility, to the extent those costs are in excess of corresponding costs which EKPC or the Member would have incurred if either had not engaged in interconnected operations with the Qualifying Facility but instead had generated an equivalent amount of electric energy itself or purchased an equivalent amount of electric energy or capacity or both from other sources. Interconnection costs shall not include any costs included in the calculation of EKPC's or Member's avoided costs.

1.15 "Interconnection Facilities" shall mean all facilities, lines, equipment, appurtenances and meters, as identified and designated on Schedule A, between the Qualifying Facility and the Member's System that are necessary to physically and electrically interconnect the Qualifying Facility to the Member's System, regardless of whether owned by EKPC, Member or Seller.

1.16 "Interconnection Manual" shall mean the document titled "Manual for Small Generator Interconnection Requirements for Direct Interconnection with EKPC Member Cooperative Distribution Systems (For Generating Facilities of 10 MW or Less)," which is adopted and incorporated herein as Schedule B.

1.17 "Member's System" shall mean the Member's facilities and equipment used to distribute electricity to end users directly from nearby generators or from interconnection with EKPC's transmission system which support bulk power.

1.18 "Notice of Early Termination" shall have the meaning given in Section 9.03(a).

1.19 "Operating Requirements" shall mean any operating and technical requirements that may be imposed by a regional transmission organization, independent system operator, control area coordinator, balancing authority, Member or EKPC.

1.20 "Proprietary Information" shall have the meaning set forth in 12.05(f)(i).

1.21 "Qualifying Facility" shall mean the small power producing facility satisfying the definition of same as set forth in 807 KAR 5:054, Section 1(8) that is located at Seller's facilities at 4911 KY-801, Morehead, KY 40351, in Rowan County, Kentucky, within the service territory of Member; having a nameplate rating of 89.67 kWdc; using solar power as a fuel or energy source; and, unless the context requires otherwise, including all interconnection and safety equipment owned by the Seller (as designated on Schedule A) and used in connection KENTUGKY lectric PUBLIC SERVICE COMMISSION Talina R. Mathews

1.22 "Seller's System" shall mean the Qualifying Facility and any Interconnection Facilities owned by Seller.

ARTICLE II – SALE OF CAPACITY AND ENERGY

2.01 <u>Sale of Capacity and Energy</u>. As soon as is reasonably practicable after all requirements set forth herein are met following the Authorization Date of this Agreement, the Seller will sell, and EKPC will purchase, electric capacity and energy from the Seller's Qualifying Facility at the Delivery Point, on a non-dispatchable basis for periods when power and energy generated by the Seller is in excess of the Seller's own needs. The electric power delivered by the Seller and purchased by EKPC shall be metered and paid for as set forth on the attached Schedule C.

2.02 <u>Exclusivity</u>. The Seller agrees that its Qualifying Facility will be installed and, except for sales of power and energy to EKPC, will be used at all times for the sole purpose of the Seller's benefit, and energy generated by said Qualifying Facility shall not be otherwise transmitted, shared, or resold by the Seller to any person other than EKPC, throughout the term(s) of this Agreement.

2.03 <u>Delivery of Electricity</u>. Seller shall interconnect with the Member's System and shall deliver electricity to the Member's side of the Delivery Point consistent with the terms of the Interconnection Manual, which is adopted and incorporated herein in full by reference. As set forth hereinafter, Seller must provide good quality electric power within a reasonable range of voltage, frequency, flicker, harmonic currents, and power factor, including, but not limited to:

a. The electricity delivered hereunder shall be in the form of three-phase phase, at a frequency of 60-hertz, alternating current and within three percent (3%) above or below a nominal voltage of 12,470 volts or a nominal operating voltage to be determined by Member from actual operating experience.

b. Seller shall provide for proper synchronization of the Qualifying Facility with Member's System such that synchronism is accomplished without causing undesirable harmful currents, surges, or voltage dips on Member's System or the transmission system owned by EKPC or other interconnected utilities.

c. The electricity delivered by Seller shall not cause unusual fluctuations or disturbances on the Member's System or the transmission system owned by EKPC or other interconnected utilities. Accordingly, the Seller shall provide, at Seller's expense, suitable apparatus which will keep such fluctuations or disturbances within reasonable limits established by Member and EKPC in accordance with IEEE Standard 519 and/or applicable standards.

d. The Seller shall install a safety switch that will fully disconnect the generation circuit of its Qualifying Facility from Member's System. The switch shall be of the visible break type which can be secured by a padlock by Member. The disconnect switch shall be accessible to Member and EKPC personnel at all times.

2.04 <u>Environmental Attributes</u>. The Seller shall own, and may assign or sell at its sole discretion, all right, title and interest associated with or resulting from any Environmental Attributes associated with the Qualifying Facility and associated power and shall have j the formation of the claim that Seller is responsible for: (i) generating electricity from a renewative method. (ii) the reductions in emissions of pollution and greenhouse gases resulting from the power produced give a result of the power power power produced give a result of the power po

ARTICLE III – RIGHTS AND OBLIGATIONS

3.01 Rights and Obligations of Seller.

Design and Construction of the Qualifying Facility. The Seller shall design, a. construct and interconnect the Qualifying Facility at its own expense and in accordance with the Interconnection Manual, Good Utility Practices, Operating Requirements and all Applicable Laws and Regulations. Plans, specifications, and operating characteristics for the Qualifying Facility must be approved by EKPC and Member before the Qualifying Facility is connected to the Member System, and may not be materially revised or modified without EKPC's and Member's approval. Prior to completion and energization of the interconnection between the Qualifying Facility and the Member System, EKPC and Member shall have the right to inspect the Qualifying Facility and Interconnection Facilities to determine that the Qualifying Facility and Interconnection Facilities are in compliance with the Interconnection Manual, Operating Requirements, Good Utility Practice and all Applicable Laws and Regulations, and to comply with Article IV of the Interconnection Manual. Any deficiencies noted must be corrected prior to energization. The Seller shall not, after energization, modify or change in any way the design or operating characteristics of the Qualifying Facility without EKPC's and Member's express approval.

b. <u>Design and Construction of the Interconnection Facilities</u>. The Interconnection Facilities shall be designed, acquired, constructed and interconnected at Seller's expense and shall be respectively owned by EKPC, Member and Seller as designated in Schedule A. The Interconnection Facilities shall be constructed in accordance with the Interconnection Manual, Operating Requirements, Good Utility Practices, and all Applicable Laws and Regulations. The Seller shall not, after energization, modify or change in any way the design or operating characteristics of the Interconnection Facilities without EKPC's and Member's express approval.

i. Estimated Payment for Interconnection Costs. EKPC and Member shall be reimbursed for their respective Interconnection Costs associated with designing, acquiring, constructing and installing the Interconnection Facilities as follows: Seller shall pay estimated Interconnection Cost payments of \$4,300 to EKPC and \$0 to Member. Said payments shall be made no later than thirty (30) days after the Authorization Date. Unless expressly waived in writing by both EKPC and Member, Seller shall provide security to EKPC and Member for the payment of such costs and expenses of the Interconnection Facilities by the furnishing of an irrevocable letter of credit or other form of security that satisfies the criteria set forth in Section 7.04 of the Interconnection Manual.

ii. <u>Final Payment for Interconnection Costs</u>. The final Interconnection Costs payments shall be adjusted to reflect the actual amounts of said Interconnection Costs through an additional payment by the Seller, or partial refund by EKPC and /or Member with ENTLYCKM) days after completion of the Interconnection Facilities. EKPC and Member will invoice Seller for the final and actual Interconnection Costs within thirty (30) days after the Entry of the date of said invoice(s). Any refunds due to Seller shall be paid within sixt (60) days a dama R. Mathews the Interconnection Facilities.

c. <u>Operation and Maintenance of the Qualifying Facility</u>. At all times during the Initial Term of this Agreement and any subsequent term(s), the Seller has the sole duty and responsibility for operation and maintenance of the Seller's System, and neither EKPC nor Member shall furnish service personnel or material and equipment to the Seller for the maintenance or operation of the Seller's System, unless separately agreed to and invoiced by EKPC or Member. Seller shall operate and maintain the Qualifying Facility in accordance with the Interconnection Manual, Operating Requirements, Good Utility Practices, and all Applicable Laws and Regulations.

i. <u>Protection of the Qualifying Facility</u>. The Seller shall protect the Qualifying Facility from disturbances occurring on the Member's System or the transmission system owned by EKPC or other interconnected utilities and shall have the sole responsibility for the safety and electrical protection of its facilities, irrespective of the condition of Member's or EKPC's Interconnection Facilities. This protection shall include automatic sensing and immediate disconnection from a faulted or de-energized Member line, and shall prevent the Seller from energizing a de-energized Member line.

ii. <u>Parallel Operation</u>. Switching to place the generator in Seller's Qualifying Facility in or out of service and parallel operation with EKPC's or Member's system shall be coordinated with the EKPC system operator and designated Member operating personnel as set forth in Article IV and Article VI of the Interconnection Manual.

d. <u>Operation and Maintenance of the Interconnection Facilities</u>. Each part of the Interconnection Facilities owned by the Seller, as designated in Schedule A, shall be maintained by Seller or by owner's agent or representative in accordance with the Interconnection Manual, Operating Requirements, Good Utility Practices, and all Applicable Laws and Regulations. Seller shall pay a Monthly Interconnection Service Charge as specified in Schedule E in order to reimburse EKPC and Member for any transmission, operational, maintenance and administrative costs related to the ongoing usage, operation and maintenance of the Interconnection Facilities that would not have been incurred by either of them if EKPC and Member did not engage in interconnected operation with the Seller. These monthly charges shall be determined on the basis of utility cost recovery concepts and may be adjusted by EKPC and Member on an annual basis.

e. <u>Modifications and Upgrades of Interconnection Facilities</u>. Seller is responsible for all costs in relation to changes in its interconnection and protective equipment as may be required from time to time to meet changing conditions and requirements on the Member's System or the transmission system owned by EKPC or other interconnected utilities. In the event that load growth or other needs on the EKPC's transmission system or Member's Systems require the construction of new facilities in the future to replace or supplement the Interconnection Facilities identified in Schedule A, EKPC or Member, as applicable, shall give Seller six (6) months advance notice, including a cost estimate for the new facilities and a date when costs for said facilities are anticipated to be incurred. Seller shall pay such estimated costs or provide EKPENIAC Wember with acceptable security for payment, as described hereinabove, by the date specified in such notice. Consistent with Section 3.01(b), Seller shall pay all actual costs in Such at the Construction interconnection facilities prior to the in-service date for such facilities.

Jalina R. Mathews

f. <u>Records Retention</u>. The Seller shall maintain records regarding all maintenance of the QF and Interconnection Facilities, and upon reasonable prior notice, Seller shall make those records available for inspection by EKPC and Member during regular business hours.

g. <u>Laws and Authorizations</u>. Seller shall comply with all Applicable Laws and Regulations and Authorizations applicable to its performance of its obligations under this Agreement, except where non-compliance will not have an adverse effect on EKPC, Member, their rights under this Agreement or Seller's ability to perform its obligations under this Agreement.

h. <u>Relationship to Interconnection Manual</u>. The Parties acknowledge and agree that the cost recovery provisions set forth in Section 7.01 through Section 7.03 and Section 8.01 through Section 8.04 of the Interconnection Manual are either inapplicable or are superseded by the cost recovery provisions set forth in this Section 3.01. EKPC's and Member's recovery of Interconnection Costs shall be governed exclusively by the terms of this Section 3.01 and not by the terms of the Interconnection Manual.

3.02 Rights and Obligations of EKPC and Member.

a. <u>Design and Construction of Interconnection Facilities</u>. EKPC and Member shall design, construct and install the Interconnection Facilities that they respectively own in accordance with the Interconnection Manual, Operating Requirements, Good Utility Practices, and all Applicable Laws and Regulations. EKPC and Member shall be under no obligation to design, order or install equipment or incur any other costs or expenses relating to the subject Interconnection Facilities until payment of the estimated Interconnection Costs has been received, or security for said payment, in a form acceptable to EKPC and Member, is provided by Seller.

b. <u>Operation and Maintenance of the Interconnection Facilities</u>. EKPC and Member shall operate and maintain the Interconnection Facilities that they respectively own, as set forth in Schedule A, in accordance with the Interconnection Manual, Operating Requirements, Good Utility Practices, and all Applicable Laws and Regulations.

c. <u>Disconnection</u>. EKPC shall have the same rights and obligations regarding disconnection of the Qualifying Facility as already granted to Member in Section 6.02 of the Interconnection Manual.

d. <u>Laws and Authorizations</u>. EKPC and Member shall comply with all Applicable Laws and Regulations and Authorizations applicable to their respective performance of obligations under this Agreement, except where non-compliance will not have an adverse effect on any other Party, any other Party's rights under this Agreement or, as applicable, EKPC's or Member's ability to perform its obligations under this Agreement.

3.03 <u>Disclaimer</u>. EKPC's and Member's acceptance of the plans specification thereof, and EKPC's and characteristics for the Seller's System, or any revisions or modification thereof, and EKPC's and Member's inspection of the Seller's System and subsequent authorization thereof, and EKPC's and interconnection, or later consent to any change or modification of the join or operating characteristics of the Seller's System, shall not be construed as confirming or aline R. Mathuwign, or as warranting the safety, durability, or reliability of the Seller's System. Neither EKPC nor EFFECTIVE Member assumes any duty to review or inspect the Seller's System to assess its safety, durability, 9/22/2016

or reliability. EKPC and Member shall not, by reason of any review, acceptance, inspection, or failure to review or inspect, be responsible for any aspect of the Seller's System, including, but not limited to its safety, details of design, adequacy, or capacity thereof, nor shall EKPC's or Member's acceptance or approval be deemed to be an endorsement of the safe condition of the Seller's System.

ARTICLE IV – METERS

4.01 <u>Meters</u>. EKPC and Member shall specify, own, install, operate and maintain the metering equipment, which is specified in Schedule A and which EKPC and Member deem appropriate, based on the size and other characteristics of the Qualifying Facility. EKPC and Member shall use such metering equipment to measure the power and energy sold by the Seller to EKPC, measure backup service provided to the Seller by Member, and monitor voltage and reactive power flows on the interconnection. The metering equipment for Member and the metering equipment for EKPC are designated by the reference "utility meter".

4.02 <u>Readings</u>. EKPC shall read the meter at the Delivery Point following the end of each month. The amount of power delivered to EKPC during the preceding month shall be determined from such readings, as such readings may be adjusted pursuant to Section 4.05. Member shall read its meter in accordance with its normal business practice and the regulations of the Kentucky Public Service Commission.

4.03 <u>Metering Modifications</u>. Any modifications that the Seller may request with respect to the metering equipment may be made at the sole discretion of EKPC or Member, as applicable. Any additional costs incurred in making such modifications shall be borne by the Seller.

4.04 <u>Inspection and Testing</u>. EKPC and Member shall each inspect and test its respective meter as frequently as deemed appropriate by EKPC and Member, or at the request of the Seller, and shall, at a minimum, comply with requirements as set forth by the Kentucky Public Service Commission.

Accuracy. In addition to the obligations set forth in Section 5.02 of the Interconnection 4.05 Manual, EKPC and Member shall each calibrate its meter to maintain accuracy within plus or minus one (1) percent as far as is reasonably practical and in accordance with Good Utility Practice. EKPC and Member will give Seller notice of all meter tests at least forty-eight (48) hours in advance thereof and Seller may have its representative present for such tests. If, at any test, a meter shall be found to be inaccurate by more than one (1) percent, fast or slow, an adjustment shall be made through mutual agreement among EKPC, Member, and the Seller to compensate for the effects of such inaccuracy over the period of inaccuracy that may be established. Any corrections in billings resulting from inaccurate metering shall be made in the next monthly bill rendered, and such corrections, when made, shall constitute full adjustment. Notwithstanding the provisions of Section 5.01(b) of the Interconnection Manual, if at any time a KENTUGKYfail to register, EKPC and Seller or Member and Seller, as applicable, shall determine through MULS ION agreement the meter registrations to be used for billing purposes by Lalina R. Mathe methodology.

Jalina R. Mathews

ARTICLE V – PURCHASES AND BILLING

5.01 <u>Power Purchases</u>. Any power and energy purchased by EKPC from Seller shall be metered and accounted for separately from power and energy delivered and sold hereunder to Seller by Member and shall be purchased in accordance with the tariffs, rules, and regulations established by EKPC and approved by the Kentucky Public Service Commission for qualifying cogeneration and small power production facilities.

5.02 Billing.

a. An accounting for amounts due hereunder shall be rendered by EKPC as soon as is reasonably practicable following the meter reading, and shall incorporate such information as may reasonably be necessary or desirable to determine the payments for power delivered to the Delivery Point during the preceding month, and other amounts due hereunder.

b. In the event of the termination or expiration of this Agreement, EKPC shall, within five (5) business days of the date of termination or expiration, provide a final statement to Seller..

5.03 Payment and Interest.

a. <u>Payments</u>. All payments shown to be due to Seller by EKPC on a billing statement shall be tendered to Seller along with the billing statement no later than the fifteenth day of each month. If the paying party, in good faith, disputes a portion of any billing statement, the paying party shall render payment for the undisputed portion of such bill to the billing party. Upon resolution of the dispute, any amount found to be due and payable to the billing party shall be paid to the billing party. The paying party shall render payment by wire transfer, or such other payment method as the Parties mutually agree.

b. <u>Interest</u>. If the paying party fails to pay all or a portion of the undisputed amounts billed within the time stated in the preceding paragraph, the paying party shall owe interest on the unpaid portion of the bill, which interest shall accrue daily at the lesser of: (i) the Prime Rate (as published in the Wall Street Journal) plus two percent (2%); or (ii) the maximum rate permitted by applicable law, from and including the due date of such amount, but excluding the date the delinquent amount is paid. If any portion of a disputed amount is ultimately determined to be due to the billing party, such amount shall be due and payable not later than ten (10) days after resolution of the Dispute, and the paying party shall owe interest on such portion of such disputed amount to the extent that such portion is determined to be due and owing to the billing party, which interest shall accrue daily at the lesser of: (i) the Prime Rate (as published in the Wall Street Journal) plus two percent (2%); or (ii) the maximum rate permitted by applicable law, from and including the original due date of such amount, but excluding the date the disputed amount is paid.

c. <u>Offsets</u>. Any Party may at any time offset any amounts owed by **MENTINGPA** and all amounts that may be due and owed to another Party under this Agreement. 5.04 <u>Member's Services</u>. Any delivery of electric power and energy supplied to the Seller by Member shall be metered and accounted for separately from the power and Jalma R. Mathuma and

sold hereunder by the Seller to EKPC and shall be provided in accordance with the Schedules attached hereto or the rates, rules and regulations established by Member and approved by the 9/22/2016

Kentucky Public Service Commission for Supplementary, Backup, Maintenance or Interruptible power, as applicable, and any changes in such Schedules rates, rules and regulations as may become effective in the future.

ARTICLE VI – PROPERTY RIGHTS AND ACCESS

6.01 <u>Communications and Data Logging Systems</u>. Seller shall provide EKPC with adequate space within the centralized control house or similar structure of the Qualifying Facility to accommodate a reasonable remote terminal owned by EKPC. Seller shall also provide EKPC with access to the Qualifying Facility, upon reasonable advance notice and during normal business hours, as may be necessary and appropriate to enable EKPC to install and maintain such remote terminal in a manner consistent with Good Utility Practice, provided that such access shall not unreasonably interfere with Seller's normal business operations. While at the Qualifying Facility, EKPC personnel shall observe such safety precautions as may be reasonably required by Seller and communicated to EKPC in writing.

6.02 <u>Right of Access</u>. EKPC shall have the same right of access to Seller's Qualifying Facility, Seller's Interconnection Facilities and EKPC's meter as set forth in Section 4.03 of the Interconnection Manual. Such inspections shall not relieve the Seller from its obligations to maintain the facilities in satisfactory operating conditions and shall, in no way, be deemed an endorsement of the safe condition of the Qualifying Facility. While present on the property of Seller, EKPC personnel shall observe such safety precautions as may be reasonably required by Seller and communicated to EKPC in writing.

6.03 <u>Removal of Equipment</u>. Upon termination of this Agreement for any reason, any part or all of the Interconnection Facilities then owned by EKPC or the Member may be removed by such owner at such owner's cost and expense. Any portion of the Interconnection Facilities owned by the Seller at the termination of this Agreement shall remain the Seller's property.

ARTICLE VII – FORCE MAJEURE

Force Majeure Defined. "Force Majeure" shall mean an event or circumstance beyond the 7.01 reasonable control of and without the fault or negligence of the Party claiming Force Majeure, which, despite the exercise of reasonable diligence, cannot be or be caused to be prevented, avoided or removed by such Party. Force Majeure shall include, to the extent consistent with the preceding sentence: an act of God; war (declared or undeclared); sabotage; riot; insurrection; civil unrest or disturbance; military or guerilla action; banditry; terrorist activity or a threat of terrorist activity which, under the circumstances, would be considered a precursor to actual terrorist activity; economic sanction or embargo; civil strike, work stoppage, slow-down, or lock-out that are of an industry or sector-wide nature and that are not directed solely or specifically at the affected Party; explosion; fire; earthquake or seaquake; abnormal weather content of furticane; ION flood; lightning; high winds; drought; peril of the sea; the binding order of any Governmental Authority (provided that the affected Party has in good faith considered reasonable of the Directory of the Directo order); the failure to act on the part of any Governmental Authority (provided that such action has been timely requested and diligently pursued); unavailability of equipment, Jalina R. Mathuma Icts, but only to the extent caused by an event of circumstance of Force Majeure; and failure of equipment. With respect to the Seller, Force Majeure shall also include (to the extent beyond the 9/22/2016

reasonable control of and without the fault or negligence of Seller) any interruption in distribution service on Member's side of the Delivery Point. No Party shall be deemed to have suffered an event of Force Majeure due to the failure of equipment which that Party is responsible for operating or maintaining unless the equipment has been operated and maintained in accordance with Good Utility Practice. Neither the lack of money nor changes in market conditions shall constitute an event of Force Majeure.

7.02 <u>Effect of Force Majeure</u>. If any Party is rendered wholly or partly unable to perform its obligations under this Agreement or its performance is delayed because of Force Majeure, that Party shall be excused from whatever performance it is unable to perform or delayed in performing due to the Force Majeure to the extent so affected, provided that: a) the Party affected by such Force Majeure, as soon as reasonably practical after the commencement of such affect, gives the other Parties prompt oral notice, followed by a written notice within forty-eight (48) hours after such oral notice, fully describing the particulars of the occurrence; b) the suspension of performance is of no greater scope and of no longer duration than is required by the Force Majeure event; and c) the Party whose performance is affected by such Force Majeure uses its commercially reasonable efforts to overcome and remedy its inability to perform as soon as possible.

7.03 <u>Affect on Payment Obligations</u>. Notwithstanding any other provision of this Agreement, a Party suffering a Force Majeure event is not relieved from tendering payment(s) that are obligated to be paid pursuant to this Agreement. Force Majeure shall not be a defense to any payment that is lawfully owed.

7.04 <u>Deadlines Extended; Termination</u>. Whenever a Party is required to commence or complete any action within a specified period and is prevented or delayed by Force Majeure from commencing or completing such action within the specified period, such period shall be extended by an amount equal to the duration of such event of Force Majeure occurring or continuing during such period except as otherwise specifically provided in this Agreement; provided, however, that in no event shall a Force Majeure extend any term of this Agreement. If any Force Majeure prevents the Seller from delivering power for more than thirty (30) consecutive days, then EKPC may terminate this Agreement upon written notice to Seller and no Party shall have any liability arising out of such termination.

ARTICLE VIII - RISK OF LOSS AND INDEMNIFICATION

8.01 <u>Risk of Loss</u>.

a. <u>Seller</u>. As between EKPC and Seller, Seller shall be responsible for and shall bear the full risk of loss: (i) with respect to any loss of or damage to any property located on Seller's side of the Delivery Point; and (ii) with respect to any personal injury or death, or loss of or damage to any other property arising out of the ownership or leasing, operation or maintenance of any property of Seller on Seller's side of the Delivery Point; provided, however, the Service commission be responsible for any loss, damage, or injury to the extent that such loss, damage, or injury arises out of the negligence or willful misconduct of EKPC or Member. Talina R. Mathews EXECUTIVE DIRECTOR

b. <u>EKPC</u>. As between EKPC and Seller, EKPC shall be responded in R. Mathematic bear the full risk of loss: (i) with respect to any loss of or damage to any property located on EKPC's side of the Delivery Point, and (ii) with respect to any personal injury or death, or loss of or damage 9/22/2016

to any other property arising out of the ownership, operation or maintenance of any property of EKPC on EKPC's side of the Delivery Point, provided, however, that EKPC shall not be responsible for any loss, damage, or injury to the extent that such loss, damage, or injury arises out of the negligence or willful misconduct of Seller or Member.

8.02 <u>Environmental Claims</u>. The Seller assumes liability for any and all claims, demands, actions, violations, notices or causes of action of any kind arising from or relating to the design, construction, installation, operation, maintenance or dismantling of the Qualifying Facility that arise from or relate to violations of any environmental statutes, regulations, rules or orders whether federal, state or local in nature.

8.03 Indemnification.

a. <u>By Seller</u>. Seller shall indemnify, defend and hold EKPC and Member and their respective employees, directors, officers, managers, members and agents, harmless from and against any and all third party claims, suits, damages, losses, liabilities, expenses and costs (including reasonable attorneys' fees) including, but not limited to, those arising out of property damage to the property of EKPC, Member or others, environmental claims, and personal injury and bodily injury (including death, sickness and disease) to the extent caused by Seller's: (i) material breach of any obligation, representation or warranty contained in this Agreement; or (ii) negligence or willful misconduct.

b. <u>By EKPC</u>. EKPC shall indemnify, defend and hold Seller and Member and their respective employees, directors, officers, managers, members, shareholders and agents, harmless from and against any and all third party claims, suits, damages, losses, liabilities, expenses and costs (including reasonable attorneys' fees) including, but not limited to, those arising out of property damage, environmental claims, and personal injury and bodily injury (including death, sickness and disease) to the extent caused by EKPC's: (i) material breach of any obligation, representation or warranty contained in this Agreement; or (ii) negligence or willful misconduct.

c. <u>By Member</u>. Member shall indemnify, defend and hold Seller and EKPC and their respective employees, directors, officers, managers, members, shareholders and agents, harmless from and against any and all third party claims, suits, damages, losses, liabilities, expenses and costs (including reasonable attorneys' fees) including, but not limited to, those arising out of property damage, environmental claims, and personal injury and bodily injury (including death, sickness and disease) to the extent caused by Member's: (i) material breach of any obligation, representation or warranty contained in this Agreement; or (ii) negligence or willful misconduct.

d. <u>Apportionment</u>. If, due to the joint, concurring, comparative or contributory negligence or willful misconduct of the Parties, any Party incurs any cost or expense arising out of any claim, cause or demand, such cost or expense shall be allocated between the Parties in proportion to their respective degrees of negligence or willful misconduct contributing to such claim, cause or demand. Talina R. Mathews

e. <u>Employees</u>. No Party shall be deemed an employee of the ther Party No Party shall bring any claim against another Party with respect to any liability for Jalina R. Mathum ider any applicable state or federal worker's compensation act, including worker's compensation and/or

employer's liability claims of employees. Each Party shall be liable for all claims of the Party's own employees arising out of any provision of any workers' compensation law.

f. <u>Notice and Participation</u>.

i. If any Party entitled to indemnification hereunder (the "Indemnified Party") intends to seek indemnification under this Article from another Party (the "Indemnifying Party") with respect to any claim, cause or demand, the Indemnified Party shall give the Indemnifying Party notice of such claim, cause or demand upon the receipt of actual knowledge or information by the Indemnified Party of any possible claim, cause or demand or of the commencement of such claim, which notice shall in no event be later than the later of: (A) fifteen (15) business days prior to the last day for responding to such claim, cause or demand; or (B) one-half of the period allowed for responding to such claim, cause or demand for which such notice is not provided, but only to the extent that the failure to give such notice materially impairs the ability of the Indemnifying Party to respond to or to defend the claim, cause or demand.

ii. The Indemnifying Party shall have the right to assume the defense of any claim, cause or demand, at its sole cost and expense, with counsel designated by the Indemnifying Party and reasonably satisfactory to the Indemnified Party; provided, however, that if the defendants in any such proceeding include both the Indemnified Party and the Indemnifying Party, and the Indemnified Party shall have reasonably concluded that there may be legal defenses available to it which are different from or additional to those available to the Indemnifying Party, the Indemnified Party shall have the right to select separate counsel, at the Indemnifying Party's expense, to assert such legal defenses and to otherwise participate in the defense of such claim, cause or demand on behalf of such Indemnified Party, and the Indemnifying Party shall be responsible for the reasonable fees and expenses of such separate counsel.

iii. Should any Indemnified Party be entitled to indemnification under this Section as a result of a claim, cause or demand by a third party, and should the Indemnifying Party fail to assume the defense of such claim, cause or demand within a reasonable period of time, the Indemnified Party may, at the expense of the Indemnifying Party, contest (or, with or without the prior consent of the Indemnifying Party), settle such claim, cause or demand.

iv. Except to the extent expressly provided herein, no Indemnified Party shall settle any claim, cause or demand with respect to which it has sought or is entitled to seek indemnification pursuant to this Section unless: (A) it has obtained the prior written consent of the Indemnifying Party; or (B) the Indemnifying Party has failed to provide, within a reasonable period of time, security, in a form reasonably satisfactory to the Indemnified Party, securing the payment of any cost or expense, up to the amount of the proposed settlement.

v. Except to the extent expressly provided otherwise herein R The R if ying Party shall settle any claim, cause or demand with respect to which it may be hable to provide indemnification pursuant to this Section without the prior written consent of the line R mathews by, provided, however, that if the Indemnifying Party has reached a bona fide settlement agreement with the plaintiff(s) in any such proceeding, which settlement includes stillement agreement Indemnified Party for any and all liability with respect to such claim, cause or demand, and the Indemnified Party does not consent to such settlement agreement, then the dollar amount specified 9/22/2016

in the settlement agreement, plus the Indemnified Party's reasonable legal fees and other costs related to the defense of the claim, cause or demand paid or incurred prior to the date of such settlement agreement, shall act as an absolute maximum limit on the indemnification obligation of the Indemnifying Party with respect to the claim, cause or demand, or portion thereof, that is the subject of such settlement agreement.

g. <u>Net Amount</u>. In the event that an Indemnifying Party is obligated to indemnify and hold any Indemnified Party harmless under this Article, the amount owing to the Indemnified Party shall be the amount of such Indemnified Party's actual cost and expense, net of any insurance or other recovery actually received by the Indemnified Party.

h. <u>Assertion of Claims</u>. No claim, cause or demand of any kind shall be asserted against any Party, whether arising out of contract, tort (including negligence), strict liability, or any other cause of or form of action, unless it is filed in a court of competent jurisdiction, or a demand for arbitration is made, within the applicable statute of limitations period for such claim, cause or demand.

i. <u>No Release of Insurers</u>. The provisions of this Article shall not be deemed or construed to release any insurer from its obligation to pay any insurance proceeds in accordance with the terms and conditions of valid and collectible insurance policies.

j. <u>Survival of Obligation</u>. The duty to indemnify under this Article shall continue in full force and effect notwithstanding the expiration or termination of this Agreement, with respect to any cost or expense arising out of an event or condition which occurred or existed prior to such expiration or termination.

Limitation of Liability. For a breach of any provision of this Agreement for which an 8.04 express remedy or measure of damages is provided, such express remedy or measure of damages shall be the sole and exclusive remedy. Unless expressly herein provided, no Party shall be liable for consequential, incidental, punitive exemplary or indirect damages, lost profits or other business interruption damages, by statute (to the extent permitted by law), in tort or contract or otherwise (except to the extent that an Indemnifying Party is obligated under Section 8.02 to indemnify against third party claims for consequential, incidental, punitive, exemplary or indirect damages or lost profits or business interruption damages). The limitations herein imposed on remedies and the measure of damages is without regard to the cause or causes related thereto, including the negligence of any Party, whether such negligence be sole, joint or concurrent, or active or passive. To the extent any damages required to be paid hereunder for a breach are liquidated, the Parties acknowledge that the liquidated damages are reasonable in light of the anticipated harm that would be caused by the breach, the difficulties of proof of loss, and the inconvenience or non-feasibility of otherwise obtaining an adequate remedy. EXCEPT AS SET FORTH IN THIS AGREEMENT, THERE ARE NO REPRESENTATIONS OR WARRANTIES EXPRESS OR IMPLIED INCLUDING WARRANTIES OF MERCHANTABILITY OF FITNESS FOR KENTRCKULAR PURPOSE, WITH RESPECT TO THE SUBJECT MATTER OF THE PLORE FOR MISSION

Talina R. Mathews EXECUTIVE DIRECTOR

Jalina R. Mathews

ARTICLE IX - EVENTS OF DEFAULT AND REMEDIES

9.01 <u>Events of Default by EKPC or Member</u>. EKPC or Member, respectively, shall be in default under this Agreement upon the happening or occurrence of any of the following events or conditions, each of which shall be an "Event of Default" for purposes of this Agreement:

a. EKPC or Member breaches or fails to observe or perform any of its material obligations under this Agreement, other than the obligations described in Section 9.01(c), unless within thirty (30) days after written notice from Seller specifying the nature of such breach or failure, EKPC or Member either cures such breach or failure or, if such cure cannot reasonably be effected by the payment of money and cannot reasonably be completed within thirty (30) days, commences such cure during the initial thirty (30) day period and thereafter diligently pursues such cure during such additional period of time as is reasonably necessary to cure such breach or failure.

b. EKPC or Member is dissolved, or its existence is terminated or its business is discontinued, unless: (i) this Agreement is assigned to a successor pursuant to Article XI; or (ii) it is merged into a successor corporation which continues substantially all of its business activities.

c. EKPC or Member fails to pay, when due, any amount due hereunder, and such failure continues for a period of seven (7) business says following the receipt by it of a written notice of such failure from Seller.

d. Any representation or warranty of EKPC or Member set forth in this Agreement was false or misleading in any material respect when made, unless: (i) the fact, circumstance or condition that is the subject of such representation or warranty is made true within thirty (30) days after Seller has given notice thereof to it; provided, however, that if the fact, circumstance or condition that is the subject of such representation or warranty cannot be corrected within such thirty (30) day period and if it commences to correct the fact, circumstance or condition that is the subject of such representation during the initial thirty (30) day period, and thereafter proceeds with all due diligence, to correct the fact, circumstance or condition that is the subject of such representation or warranty, such period shall be extended for such further period as shall be reasonably necessary for it to correct the same with all due diligence; and (ii) such cure removes any adverse effect on Seller of such fact, circumstance or condition being otherwise than as first represented, or such fact, circumstance or condition being otherwise than as first represented does not materially adversely affect Seller.

e. EKPC or Member shall: (i) file a voluntary petition in bankruptcy or file a voluntary petition or otherwise commence any action or proceeding seeking reorganization, liquidation, arrangement or readjustment of its debts or for any other relief under the any Bankruptcy Law, or consent to, approve of, or acquiesce in, any such petition, action or proceeding; (ii) apply for or acquiesce in the appointment of a receiver, liquidator, sequestrator, custodian. KENTLOCK similar officer for it or for all or any part of its property; (iii) make an assignment of this Agreement for the benefit of creditors; or (iv) be insolvent or be unable generally to pay its Televan that here are due.

f. A proceeding or case is commenced, without the application or consent of EKPC or Member, in any court of competent jurisdiction, seeking: (i) the liquidation, 9/22/2016

dissolution, winding-up, or composition or adjustment of its debts; (ii) the appointment of a trustee, receiver, custodian, liquidator or the like, of it or of all or any substantial part of its assets; or (iii) similar relief in respect of it under any bankruptcy law, and such proceeding or case shall continue un-dismissed, or an order, judgment or decree approving or ordering any of the foregoing shall be entered and continue un-stayed and in effect, for a period of ninety (90) days from commencement of such proceeding or case or the date of such order, judgment or decree.

g. EKPC or Member makes an assignment of this Agreement in violation of Article XI.

h. In no circumstance shall EKPC be liable for an Event of Default by Member nor shall Member be liable for an Event of Default by EKPC.

9.02 <u>Events of Default By Seller</u>. Seller shall be in default under this Agreement upon the happening or occurrence of any of the following events or conditions, each of which shall be an "Event of Default" for purposes of this Agreement:

a. Seller breaches or fails to observe or perform any of Seller's material obligations under this Agreement, other than the obligations described in Section 9.02(c), (g) and (i), unless within thirty (30) days after written notice from EKPC specifying the nature of such breach or failure, Seller either cures such breach or failure or, if such cure cannot reasonably be effected by the payment of money and cannot reasonably be completed within thirty (30) days, commences such cure during the initial thirty (30) day period and thereafter diligently pursues such cure during such additional period of time as is reasonably necessary to cure such breach or failure.

b. Seller is dissolved, or Seller's existence is terminated or its business is discontinued, unless this Agreement is assigned to a successor pursuant to Article XI.

c. Seller fails to pay, when due, any amount due hereunder, and such failure continues for a period of seven (7) business days following the receipt by Seller of a written notice of such failure from EKPC.

Any representation or warranty of Seller set forth in this Agreement was false or d. misleading in any material respect when made, unless: (i) the fact, circumstance or condition that is the subject of such representation or warranty is made true within thirty (30) days after EKPC has given notice thereof to Seller; provided, however, that if the fact, circumstance or condition that is the subject of such representation or warranty cannot be corrected within such thirty (30) day period and if Seller commences to correct the fact, circumstance or condition that is the subject of such representation during the initial thirty (30) day period, and thereafter proceeds with all due diligence, to correct the fact, circumstance or condition that is the subject of such representation or warranty, such period shall be extended for such further period as shall be reasonably necessary for Seller to correct the same with all due diligence; and (ii) such cure removes an Null State effect ION on EKPC of such fact, circumstance or condition being otherwise than as first represented, or such fact, circumstance or condition being otherwise than as first represented align Remainly adversely affect EKPC. Jalina R. Mathews

e. Seller shall: (i) file a voluntary petition in bankruptcy or file a voluntary petition or otherwise commence any action or proceeding seeking reorganization, liquidation, arrangement or 9/22/2016

PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

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readjustment of its debts or for any other relief under any Bankruptcy Law, or consent to, approve of, or acquiesce in, any such petition, action or proceeding; (ii) apply for or acquiesce in the appointment of a receiver, liquidator, sequestrator, custodian, trustee or similar officer for it or for all or any part of its property; (iii) make an assignment of this Agreement for the benefit of creditors; or (iv) be insolvent or be unable generally to pay its debts as they become due.

f. A proceeding or case is commenced, without the application or consent of Seller in any court of competent jurisdiction, seeking: (i) the liquidation, reorganization, dissolution, winding-up, or composition or adjustment of debts of Seller; (ii) the appointment of a trustee, receiver, custodian, liquidator or the like, of Seller or of all or any substantial part of its assets; or (iii) similar relief in respect of Seller under any bankruptcy law, and such proceeding or case shall continue un-dismissed, or an order, judgment or decree approving or ordering any of the foregoing shall be entered and continue un-stayed and in effect, for a period of ninety (90) Days from commencement of such proceeding or case or the date of such order, judgment or decree.

g. Any letter of credit provided by Seller pursuant to Section 3.01(b)(i) lapses or defaults.

h. Seller shall sell, assign, transfer or otherwise divert to a third party all or any portion of the power produced from the Qualifying Facility.

i. Seller shall relinquish all possession and control of the Qualifying Facility, except for as permitted pursuant to Article XI or to a contractor of Seller in accordance with Good Utility Practice, if such relinquishment of possession and control is not cured within thirty (30) days following the receipt by Seller of a written notice thereof from EKPC.

j. Seller makes an assignment of this Agreement in violation of Article XI.

9.03 <u>Remedies</u>.

a. <u>General</u>. Upon an Event of Default by a Party, another Party shall have the right, but not the obligation, to terminate this Agreement with respect to all obligations arising after the date a notice identifying the applicable Event(s) of Default and terminating the Agreement is delivered to the defaulting Party ("Notice of Early Termination"). A Notice of Early Termination is effective on the date it is delivered to the defaulting Party ("Early Termination Date"). Delivery of a Notice of Early Termination shall not relieve the non-defaulting Party of making timely payment for any amounts owed relating to obligations arising prior to the delivery of the Notice of Early Termination. If an Event of Default by a Party under this Agreement leads to termination of this Agreement, the non-defaulting Party may pursue all remedies available to it in law or equity and the defaulting Party's liability hereunder shall be determined as follows:

i. For a termination arising from an Event of Default by SelFFTLCENEr shall be liable for a Termination Payment equal to the sum of: (A) all Interconnection Costs actually expended by EKPC or Member from the effective date of the Agreement and the sum of the Agreement of the Agreement

Member arising from or in any way relating to the terms of this Agreement, whether incurred in the planning, designing, permitting, seeking of regulatory approval, development, construction or interconnection of the Qualifying Facility and associated power and energy.

ii. For a termination arising from an Event of Default by EKPC, EKPC shall be liable for a Termination Payment equal to the sum of: (A) the amount of all unpaid billing statements for power delivered by Seller; and (B) any refund due to Seller for overpayment of Interconnection Costs.

iii. For a termination arising from an Event of Default by Member, Member shall be liable for a Termination Payment equal to the amount of any refund due to Seller for overpayment of Interconnection Costs.

b. <u>No Waiver</u>. Any waiver at any time by any Party of its rights with respect to an Event of Default under this Agreement, or with respect to any other matters arising in connection with this Agreement, shall not be deemed to be a waiver with respect to any subsequent Event of Default or other matter. Any waiver under this Agreement must be in writing.

c. <u>Costs, Expenses and Attorneys' Fees</u>. In pursuing and collecting any damages pursuant to this Section 9.03, the non-defaulting Parties shall also be entitled to recover any reasonable costs, expenses or attorneys' fees arising from or relating to the pursuit of remedies set forth above.

9.04 <u>Suspension of Performance</u>. Notwithstanding any other provision of this Agreement, if an Event of Default shall have occurred and be continuing, the non-defaulting Parties, upon notice to the defaulting Party, shall have the right, but not the obligation: (i) to suspend performance under this Agreement with respect to such defaulting Party pending the exercise of other remedies provided hereunder (provided, however, that Seller may suspend performance immediately upon the delivery of a notice to EKPC when EKPC has committed an Event of Default pursuant to Section 9.01(e)), which suspension may continue for a period not to exceed sixty (60) days; and (ii) to exercise any remedy available at law or in equity; provided, however, that the collection of the Termination Payment shall be the non-defaulting Party's sole and exclusive remedy for any damages due hereunder.

9.05 Election of Remedies

a. Except as specifically limited in this Agreement, each and every right, power and remedy of a Party, whether specifically stated in this Agreement, or otherwise existing, may be exercised concurrently or separately, from time to time, and so often and in such order as may be deemed expedient by the exercising Party, and the exercise or the beginning of the exercise of any such right, power or remedy shall not be deemed a waiver of the right to exercise, at the same time or thereafter, any other right, power or remedy. No delay or on ission of a Party **FENTUCE** is of any right, power or remedy shall impair or operate as a waiver of the right of a Party **FENTUCE** is of the exercise of any other right, power or remedy shall impair or operate as a waiver of the right of the exercise of the right of the exercise of the right. **PUBLICE** is a substant of the exercise of the right of the exercise of the right. **PUBLICE** is a substant of the exercise of the right of the exercise of the right. **PUBLICE** is a substant of the exercise of the right of the exercise of the right. **PUBLICE** is a substant of the exercise of the right of the exercise of the right. **PUBLICE** is a substant of the right of the exercise of the right of the exercise of the right. **PUBLICE** is a substant of the exercise of the right of the exercise of the ex

b. Notwithstanding any other provision of this Article, neither Jaline R. Mathewinate this Agreement following the occurrence of an Event of Default by another Party if, prior to the defaulting Party's receipt of a notice of such termination, and notwithstanding the expiration or 9/22/2016

unavailability of any cure period provided under this Agreement, the defaulting Party shall have cured the Event of Default.

c. Each Party agrees that it has a duty to mitigate damages and covenants that it will use commercially reasonable efforts to minimize damages it may incur as a result of another Party's performance or non-performance of this Agreement.

9.06 Dispute Resolution.

a. <u>General Provisions</u>. Every dispute of any kind or nature between EKPC, Member and Seller arising out of or in connection with this Agreement (each a "Dispute") shall be resolved in accordance with this Section, to the extent permitted by law.

b. <u>Referral to Senior Management</u>.

i. Upon the occurrence of a Dispute, any Party may deliver a notice to the other Parties requesting that the Dispute be referred to the senior management of the Parties. Any such notice shall include the names of the senior management of the Party nominated to attempt to resolve the Dispute, and a schedule of their availability during the thirty (30) day period following the date of the notice. Any such notice shall be delivered within a reasonable time after the Dispute arises, but in no event shall it be delivered less than thirty (30) days before the institution of legal or equitable proceedings based on such Dispute would be barred by any applicable statute of limitations.

ii. Within seven (7) days after receipt of a notice pursuant to the preceding paragraph, the other Parties shall provide a notice to the requesting Party indicating the names of the senior management of the Party nominated to attempt to resolve the Dispute, and a schedule of their availability during the remainder of the thirty (30) day period following the date of the notice.

iii. During the remainder of the thirty (30) day period following delivery of the original notice, the nominated members of the senior management of the Parties shall meet as frequently as possible, and shall attempt in good faith to resolve the Dispute. Unless the Parties agree otherwise in writing prior to the commencement of such thirty (30) day period, neither Party shall be entitled to invoke or rely on any admissions, settlement offers or other statements made during the course of such discussions in any subsequent arbitration or legal proceedings.

c. <u>Commission Proceeding</u>. Any Dispute that has not been resolved within thirty (30) days of the delivery of a notice in accordance with Section 9.06(b) shall be resolved by: (i) the filing of an appropriate pleading before the Kentucky Public Service Commission to the extent that the subject matter of the Dispute is within the jurisdiction of the Commission; or (ii) the filing of an appropriate action in the Circuit Court of Clark County, Kentucky. KENTUCKY PUBLIC SERVICE COMMISSION

d. <u>Continued Performance</u>. During the conduct of Dispute Falina iBn Mathews responses pursuant to this Section: (i) the Parties shall continue to perform their respective obligations under this Agreement; and (ii) no Party shall exercise any other remedies hereund Jalma R. Mathews e of the matters in dispute; provided, however, that nothing in this Section shall be construed: (A) to prevent Seller from suspending performance in the event that EKPC has not FARTUME isputed

amounts due and owing to Seller under this Agreement; or (B) to prevent EKPC from suspending performance hereunder (other than payments for power previously provided to EKPC) in the event that Seller ceases providing power hereunder.

9.07 <u>Effect of Termination</u>. No termination of this Agreement following an Event of Default shall relieve the defaulting Party of its liability and obligations hereunder, and a non-defaulting Party may take whatever action at law or in equity may appear necessary or desirable to enforce performance and observance of any obligations under this Agreement, and the rights given hereunder shall be in addition to all other remedies available to the Parties, either, at law, in equity, or otherwise, for the breach of this Agreement, provided, however, that any damages for the termination of this Agreement shall be as provided in Section 9.03.

ARTICLE X – INSURANCE

10.01 <u>Coverage and Amounts</u>. Seller, and all contractors and subcontractors performing any services in connection with the operation or maintenance of the Seller's System, shall obtain and maintain in force commercial general liability and umbrella or excess liability insurance, public liability coverage and property insurance for injury to persons and property, automobile liability insurance and workman's compensation insurance, all in amounts and under terms which are generally carried by owners or lessees, operators or maintainers of projects similar to the Qualifying Facility, but in no case less than \$1,000,000.00 for public liability for bodily injury and \$500,000.00 for property damage. Seller's liability under this Agreement is not limited to the amount of insurance coverage required herein.

10.02 Evidence of Insurance. Upon request made on or after the Authorization Date, Seller shall provide EKPC and Member with insurance certificates reasonably acceptable to EKPC and Member evidencing that insurance coverages for the Qualifying Facility are in compliance with the specifications for insurance coverage set forth in this Article X. Such insurance and certificates shall: (a) include EKPC and Member as additional insured beneficiaries under the commercial general liability and umbrella liability policies; (b) provide a waiver of any rights of subrogation against EKPC, its affiliates and subsidiaries; and (c) indicate that the commercial general liability and umbrella liability policies have been extended as described above. All policies shall be written with insurers with A.M. Best Company ratings of at least A-. All policies shall be written on an occurrence basis, except as provided in Section 10.04. The commercial general liability and umbrella liability policies shall: (i) provide that Seller's policy shall be primary in all instances regardless of like coverages, if any, carried by EKPC or Member; and (ii) provide for claims by one insured against another such that, except for the limits of insurance, the insurance shall apply separately to each insured against whom a claim is made or suit is brought.

10.03 <u>Modification of Insurance</u>. If any insurance required to be maintained by Seller hereunder ceases to be available on commercially reasonable terms in the commercial insurance market. Seller shall provide written notice of such fact to EKPC and Member, accompan**KENYUGKY** if icate from an independent insurance advisor of recognized national standing. SERV/AE GAMMISSION insurance is not available on commercially reasonable terms in the commercial insurance **KENYUGKY** for electric generating plants of similar type, geographic location and design. Unon delivery of such notice, Seller shall be relieved of the affected obligation, and Seller slading. *R. Mathemal* ally reasonable efforts to obtain other insurance that would provide comparable protection against the risk to be insured.

10.04 <u>Term Insurance</u>. All insurance required under this Agreement shall cover occurrences during the term(s) of this Agreement. In the event that any insurance as required herein is commercially available only on a "claims-made" basis, such insurance shall provide for a retroactive date not later than the Authorization Date and such insurance shall be maintained by Seller, with a retroactive date not later than the retroactive date required above, for a minimum of three (3) years after the expiration of the final term of this Agreement.

ARTICLE XI - SALE, TRANSFER OR ASSIGNMENT

11.01 <u>Assignment to Non-Affiliates</u>. This Agreement may not be assigned, in whole or in part, by any Party without the prior written consent of the other Parties. Such consent may require that: (i) the assignee agrees in writing, in form and substance satisfactory to the non-assigning Parties, to assume and to perform each and every obligation of the assignor under this Agreement; (ii) the assignment does not impair any security given by the assigning Party hereunder unless the assignee posts replacement security which meets the requirements of this Agreement; and (iii) the assignee has obtained, prior to the assignment, such Authorizations as may be required by Applicable Law and Regulations. Any assignment in violation hereof shall be null and void and shall constitute an Event of Default by the assigning Party.

11.02 <u>Assignment to Affiliates</u>. Notwithstanding Section 11.01, any Party may assign this Agreement to an affiliate of such Party without the consent of the other Parties, provided, however, that the assigning Party shall remain liable for all of its obligations under this Agreement unless and until the consent of the non-assigning Parties is secured in accordance with Section 11.01. The assigning Party shall notify the other Parties of the occurrence of any event described in this paragraph.

ARTICLE XII - MISCELLANEOUS

12.01 Representations and Warranties.

a. <u>Representations and Warranties of EKPC and Member</u>. EKPC and Member, solely as applied to each of them in their individual capacity, make the following representations and warranties to Seller:

i. It is a corporation duly organized and in good standing under the laws of the Commonwealth of Kentucky, and is duly qualified to conduct business in Kentucky.

ii. It possesses all requisite legal power and authority to enter into and perform its obligations under this Agreement and to carry out the transaction(s) contemplated herein. It has all legal power and authority to transact the business in which it engages or proposes to engage, and holds or reasonably expects to obtain all Authorizations necessary and require **NTLEGY**.

iii. Its execution, delivery and performance of this Agree **Taling Ry Mathems**ly authorized by, and are in accordance with, its articles of incorporation or other organization documents; this Agreement has been duly executed and delivered for it Jaline R. Mathems's so authorized; and this Agreement constitutes its legal, valid ard binding obligation, enforceable against it in accordance with the terms thereof.

iv. Its execution and delivery of this Agreement: (A) will not result in a material breach or violation of, or constitute a material default under, any applicable law or Authorization, or any contract, lease or other agreement or instrument to which it is a party, or by which it or its properties may be bound or affected; and (B) does not require any Authorization, or the consent, authorization or notification of any other person, or any other action by or with respect to any other person.

v. Its performance of this Agreement: (A) will not result in a material breach or violation of, or constitute a material default under, any applicable law or Authorization, or any contract, lease or other agreement or instrument to which it is a party, or by which it or its properties may be bound or affected; and (B) does not require any Authorization, or the consent, authorization or notification of any other person, or any other actions by or with respect to any other person, other than: (I) Kentucky Public Service Commission approval; (II) such Authorizations, consents, authorizations, notifications, and other actions as have already been obtained, made, or taken, as applicable; and (III) such Authorizations, consents, approvals, notifications, or other actions which are not required to have been obtained, made, or taken, as applicable, prior to the date on which the representation and warranty is made, and which are reasonably expected to be obtained, made or taken on a timely basis and in due course.

vi. No suit, action or arbitration, or legal, administrative or other proceeding is pending, or to its knowledge, has been threatened against it that would affect the validity or enforceability of this Agreement or the ability of such buyer to perform its obligations hereunder in any material respect, or that would, if adversely determined, have a material adverse effect on its business or financial condition. There are no bankruptcy, insolvency, reorganization, receivership or other arrangements proceedings, pending against or being contemplated by it, or, to its knowledge, threatened against it.

vii. It is not in breach of, in default under, or in violation of, any applicable law, or the provisions of any Authorization, or in breach of, in default under, or in violation of, any provision of any promissory note, indenture or any evidence of indebtedness or security therefore, lease, contract or other agreement by which it is bound, except for any such breaches, defaults or violations which, individually or in the aggregate, could not reasonably be expected to have a material adverse effect on its business or financial condition or its ability to perform any obligations hereunder.

b. <u>Representations and Warranties of Seller</u>. Seller makes the following representations and warranties to EKPC and Member:

i. Seller is a corporation duly organized and in good standing under the laws of the Commonwealth of Kentucky, and is duly qualified to conduct business in Kentucky KENTUCKY

ii. Seller possesses all requisite legal power and authority EDVICE COMMISSION perform its obligations under this Agreement and to carry out the transactating Remathemed herein. Seller has all legal power and authority to transact the business in which it engages or proposes to engage, and holds or reasonably expects to obtain all Authori Jalina R. Mathema and required therefore.

iii. Seller's execution, delivery and performance of this Agreement have been duly authorized by, and are in accordance with, its articles of incorporation or other organization documents; this Agreement has been duly executed and delivered for it by the signatories so authorized; and this Agreement constitutes its legal, valid and binding obligation, enforceable against it in accordance with the terms thereof.

iv. Seller's execution and delivery of this Agreement: (A) will not result in a material breach or violation of, or constitute a material default under, any applicable law or Authorization, or any contract, lease or other agreement or instrument to which it is a party, or by which it or its properties may be bound or affected; and (B) does not require any Authorization, or the consent, authorization or notification of any other person, or any other action by or with respect to any other person.

v. Seller's performance of this Agreement: (A) will not result in a material breach or violation of, or constitute a material default under, any applicable law or Authorization, or any contract, lease or other agreement or instrument to which it is a party, or by which it or its properties may be bound or affected; and (B) does not require any Authorization, or the consent, authorization or notification of any other person, or any other actions by or with respect to any other person, other than: (I) such Authorizations, consents, authorizations, notifications, and other actions as have already been obtained, made, or taken, as applicable; and (II) such Authorizations, consents, approvals, notifications, or other actions which are not required to have been obtained, made, or taken, as applicable, prior to the date on e which the representation and warranty is made, and which are reasonably expected to be obtained, made or taken on a timely basis and in due course.

vi. No suit, action or arbitration, or legal, administrative or other proceeding is pending, or to Seller's knowledge, has been threatened against Seller that would affect the validity or enforceability of this Agreement or the ability of such buyer to perform its obligations hereunder in any material respect, or that would, if adversely determined, have a material adverse effect on the business or financial condition of Seller. There are no bankruptcy, insolvency, reorganization, receivership or other arrangements proceedings, pending against or being contemplated by Seller, or, to Seller's knowledge, threatened against it.

vii. Seller is not in breach of, in default under, or in violation of, any applicable law, or the provisions of any Authorization, or in breach of, in default under, or in violation of, any provision of any promissory note, indenture or any evidence of indebtedness or security therefore, lease, contract or other agreement by which it is bound, except for any such breaches, defaults or violations which, individually or in the aggregate, could not reasonably be expected to have a material adverse effect on the business or financial condition of Seller or its ability to perform its obligations hereunder.

12.02 <u>Term</u>. This Agreement, and any amendments hereto, shall have **KENTHEKY** Term commencing on the effective date and expiring five (5) years after the date that the last frequencies for the fast frequencies of the formation was granted by the Kentucky Public Service Commission, the **Jalinai Ris Mathews** he Rural Utilities Service or any other applicable Governmental Authority ("Authorization Date"). Upon the expiration of the Initial Term, the Agreement shall au comatically relation *R*. Mathews year basis until terminated, unless terminated as provided in Section 9.03(a) or Section 12.03. EFFECTIVE

12.03 <u>Termination</u>. In addition to an early termination pursuant to Section 9.03, any party may terminate this Agreement at the expiration of the Initial Term or during any subsequent one year term thereafter by giving the other parties at least ninety (90) days advance notice in writing prior to the end of such Initial Term or any subsequent one year term. Termination shall not affect any obligation accrued prior to such termination or any other obligation which, pursuant to the terms of this Agreement, survives termination.

12.04 <u>Notices</u>. Any notice required by this Agreement to be given in writing shall be deemed properly given if and when delivered in person, or sent by registered or certified mail, postage prepaid to the person specified below:

If to EKPC:

President & Chief Executive Officer East Kentucky Power Cooperative, Inc. 4775 Lexington Road P.O. Box 707 Winchester, Kentucky 40392-0707

If to Member:

President & Chief Executive Officer Fleming-Mason Energy Cooperative 1449 Elizaville Road P.O. Drawer 328 Flemingsburg, KY 41041

If to Seller:

KYARNG Energy Mange Will S. Phillips 100 Minuteman Pankway Bldg162 Frankfort, KY 40601

Notice may also be delivered to such other person or address as a Party may have been designated in a written notice given by or on behalf of the Party entitled to receive notice to the other Parties.

12.05 Confidentiality.

a. <u>Duty of Confidentiality</u>. Any Proprietary Information of a Party (the "Transferor") which is disclosed to or otherwise received or obtained by another Party (the "Transferee") incident to this Agreement is disclosed, and shall be held, in confidence, and the Transferee shall not (subject to paragraphs (b) and (c) below) publish or otherwise disclose any Proprietary Information of the Transferor to any person for any reason or purpose whatsoeyee or uservice to the provide the provident of the Transferor, which approval may be granted or with the prior written approval of the Transferor, which approval may be granted or with percentive of the transferor of the generality of the foregoing, each "The the the prior" in its sole discretion. Without limiting the generality of the foregoing, each "The the transferor" tary Information which such Party observes with respect to its own information of the same or similar EFFECTIVE kind.

b. <u>Disclosures to Employees, Contractors and Affiliates</u>. Each Party agrees that it will make available Proprietary Information received from another Party to its employees, contractors and affiliates only on a need-to-know basis, and that all persons to whom such Proprietary Information is made available will be made aware of the confidential nature of such Proprietary Information, and will be required to agree to hold such Proprietary Information in confidence under terms substantially identical to the terms hereof.

c. <u>Disclosures to Governmental Authorities</u>. Notwithstanding the foregoing:

i. A Transferee may provide any Proprietary Information to any Governmental Authority having jurisdiction over or asserting a right to obtain such information, provided that: (A) such Governmental Authority orders that such Proprietary Information be provided; and (B) unless prohibited from so doing by applicable law, the Transferee promptly advises the Transferor of any request for such information by such Governmental Authority and cooperates in giving the Transferor an opportunity to present objections, requests for limitation, and/or requests for confidentiality or other restrictions on disclosure or access, to such Governmental Authority.

ii. Each Party may, to the extent required, disclose Proprietary Information to any Governmental Authority in connection with the application for any required Authorization, provided that, unless prohibited from so doing by applicable law, the Transferee shall advise the Transferor of any Proprietary Information that Transferee will disclose to the Governmental Authority prior thereto and shall cooperate in giving the Transferor an opportunity to present objections, requests for limitation, and/or requests for confidentiality or other restrictions on disclosure or access, to such Governmental Authority.

iii. Either Party may disclose such Proprietary Information regarding the terms of this Agreement as such Party deems necessary to enable it to comply with the Securities Exchange Act of 1934, or the rules, regulations and forms of the Securities and Exchange Commission, issued thereunder or the applicable rules of any stock exchange.

d. <u>Injunctive Relief</u>. In the event of a breach or threatened breach of the provisions of paragraph (a) above by any Transferee, the Transferor shall be entitled to an injunction restraining such Party from such breach. Nothing contained herein shall be construed as prohibiting the Transferor from pursuing any other remedies available at law or equity for such breach or threatened breach of this Agreement.

e. <u>Continuing Obligation</u>. The obligation to retain Proprietary Information in confidence shall continue in full force and effect during the term of the Agreement and for a period of two (2) years thereafter, notwithstanding the expiration or termination of this Agreement, with respect to any information obtained by any Party prior to such expiration or terMENTUCKY PUBLIC SERVICE COMMISSION

f. <u>Definition of Proprietary Information</u>:

Talina R. Mathews EXECUTIVE DIRECTOR

i. The term "Proprietary Information" means all inform Jaline R. Mathematical which has been or is disclosed by the Transferor, or by any person on behalf of the Transferor, or which otherwise becomes known to the Transferee, or to any person associated with such 9/22/2016

Transferee, or any other person in a confidential relationship with, the Transferee, and which: (A) relates to matters such as patents, trade secrets, research and development activities, draft or final contracts or other business arrangements, books and records, resource data and analysis, generation data and analysis, budgets, cost estimates, pro forma calculations, engineering work product, environmental compliance, vendor lists, suppliers, manufacturing processes, energy consumption, pricing information, private processes, and other similar information, as they may exist from time to time; (B) relates to the existence or the terms, including pricing, of this Agreement; or (C) the Transferor expressly designates in writing to be confidential.

ii. Notwithstanding anything to the contrary in the preceding paragraph, Proprietary Information shall exclude information falling into any of the following categories: A) information that, at the time of disclosure hereunder, is in the public domain, other than information that entered the public domain by breach of this Agreement by Transferee; B) information that, after disclosure hereunder, enters the public domain, other than information that enters the public domain by breach of this Agreement by Transferee; C) information, other than that obtained from third parties, that prior to disclosure hereunder, was already in Transferee's possession, either without limitation on disclosure to others or subsequently becoming free of such limitation; D) information obtained by Transferee from a third party having an independent right to disclose the information; or E) information that is available through independent research without use of or access to the Proprietary Information.

12.06 <u>No Partnership</u>. Notwithstanding any provision of this Agreement to the contrary, Seller, EKPC and Member do not intend to create hereby any lease, joint venture, partnership, association taxable as a corporation, or other entity for the conduct of any business for profit. No Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, another Party. The Parties agree to take, on a timely basis, all voluntary action as may be necessary to be excluded from treatment as a partnership under the Internal Revenue Code, and, if it should appear that one or more changes to this Agreement would be required in order to prevent the creation of such a business entity, the Parties agree to negotiate promptly in good faith with respect to such changes.

12.07 <u>No Duty To Third Parties</u>. Except as provided in Article X and Article XI, this Agreement is for the sole benefit of the Parties hereto, and nothing in this Agreement nor any action taken hereunder shall be construed to create any duty, liability or standard of care to any person not a party to this Agreement. Except as specifically provided herein, no person shall have any rights or interest, direct or indirect, in this Agreement or the services to be provided hereunder, or both, except the Parties hereto. Except as provided in Article X and Article XI, the Parties specifically disclaim any intent to create any rights in any person as a third-party beneficiary to this Agreement or the services to be provided hereunder, or both.

12.08 <u>Dedication</u>. No undertaking by one Party to the other under this Agreement shall constitute the dedication of that Party's system or any portion thereof to another Party **KENTLCKU** blic or affect the status of Seller as an independent entity and not company. **Talina R. Mathews** EXECUTIVE DIRECTOR

12.09 <u>Duplicative Terms</u>. The Parties acknowledge and agree that the fol Jalina R. Mathuman⁶ the Interconnection Manual are superseded by the corresponding provisions set forth herein above:

Section 9.01 (Assignment), Section 9.02 (Indemnification), Section 9.03 (Limitation of Liability and Damages), Section 9.04 (Force Majeure) and Section 9.06 (Confidentiality).

12.10 <u>Entire Agreement</u>. This Agreement contains the entire agreement among the Parties hereto with respect to the subject matter hereof and supersedes all prior agreements and understandings relating to such subject matter. Except for any modification which this Agreement expressly authorizes a party to make unilaterally, no modification or waiver of any term or provision of this Agreement shall be effective unless it is in writing and signed by all of the Parties.

12.11 <u>Interpretation</u>. The headings of the Articles in this Agreement have been inserted for convenience only and shall in no way affect the interpretation of any of the terms or provisions hereof.

12.12 <u>Applicable Law and Venue</u>. This Agreement shall be construed and interpreted in accordance with the laws of the Commonwealth of Kentucky except to the extent federal law is applicable. Any action, case, proceeding, matter or dispute shall be filed in the Circuit Court of Clark County, Kentucky.

12.13 <u>Severability</u>. Whenever possible, each provision of this Agreement shall be interpreted in such manner as to be effective and valid, but if any provision of this Agreement or the application thereof shall be prohibited or held invalid, such prohibition or invalidity shall not affect any other provisions or the application of any other provision which can be given without the invalid provision or application, and to this end the provisions of this Agreement are declared to be severable.

12.14 <u>Counterparts</u>. This Agreement may be executed simultaneously in three (3) or more counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

[The remainder of this page intentionally left blank.]

KENTUCKY PUBLIC SERVICE COMMISSION
Talina R. Mathews EXECUTIVE DIRECTOR
Jalina R. Mathews
EFFECTIVE
9/22/2016
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers and have caused their seals to be affixed as of the date first written above.

EAST KENTUCKY POWER COOPERATIVE, INC.

BY:

Tresident and Chief Executive Officer ITS:

FLEMING-MASON ENERGY COOPERATIVE

Haselrugg BY: President + CEO ITS:

SELLER BY: With Mille 27 April 2016 ITS: ENERGY MANAGER, KYARNO, PMA-CFILD



Schedule A – Interconnection Facilities

KENTUCKY PUBLIC SERVICE COMMISSION
Talina R. Mathews EXECUTIVE DIRECTOR
Jalina R. Mathema
EFFECTIVE
9/22/2016
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)



THREE PHASE PANEL SCHEDULE

		MOUNTING		VOLTAGE	PHASE	WIRE	GND	AMPS	MAIN	POLES	INTERRUPTING RATING (AIC)	ENCLOS	SURE			
		SURFACE		480	3	4	YES	400	MCB	42	35,000	NEM	A 1			
CKT	NOTES	CIRCUITING	CB	LOAD SERVED				LOAD			LOAD SERVED		CB	CIRCUITING	NOTES	Ck
NO			TRIP/P			KVA	A	В	С	KVA			TRIP/P			N
1		4#4, 1#6 GND, 1 1/4"C	60/3	SOLECTRIA 36TL480V INVERTER		12.00	24.0			12.00	SOLECTRIA 36TL480V INVERTER		60/3	4#4, 1#6 GND, 1 1/4"C		2
3						12.00		24.0		12.00						4
5						12.00			24.0	12.00						6
7		3#12, 1#12G, 3/4"C	15/3	EGAUGE BACKNET CONTROLLER	र	0.70	1.4			0.70	POWER SUPPLY 480 TO 48V DC		15/3	3#12, 1#12G, 3/4"C		8
9						0.70		1.4		0.70						10
11						0.70			1.4	0.70						12
13							0.0									14
15								0.0								16
17									0.0							18
19							0.0									20
21								0.0								22
23									0.0							24
					TOTALS:		25.4	25.4	25.4		PANELBOARD TOTAL:	76.2	KVA			-

1 PROVIDE SHUNT TRIP CIRCUIT BREAKER

2 PROVIDE GFI CIRCUIT BREAKER

3 PROVIDE HACR CIRCUIT BREAKER

4 PROVIDE HID RATED BREAKER

MOREHEAD PHOTOVOLTAIC

9/11/2015

Project Number : Date Computed : Computed by :

Project Title :

Computed by : PBJ Checked by : PBJ

PANELBOARD - PS-1

PHOTOVOLTAIC SYSTEM GENERAL NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NEC AND LOCAL CODES.
- 2. ALL EQUIPMENT SHALL BE LISTED AND LABELED PER UL AND INSTALLED PER THE LISTING REQUIREMENTS AND THE MANUFACTUR'S INSTRUCTIONS.
- 3. INVERTERS SHALL BE IEEE 1547 AND UL 1741 COMPLIANT.
- 4. ALL EQUIPMENT SHALL BE PROPERLY GROUNDED PER NEC 250 AND NEC 690.
- ALL CIRCUITS CONNECTED TO MORE THAN ONE SOURCE SHALL HAVE OVERCURRENT DEVICES LOCATED SO AS TO PROVIDE OVERCURRENT PROTECTION FROM ALL SOURCES REFERENCE NEC 690.9(A).
- 6. EACH INVERTER DC SHUTOFF SHALL BE LABELED WITH "SOLAR PHOTOVOLTAIC POWER SYSTEM EMERGENCY DC SHUTOFF" REFERENCE NEC 690.14.
- AC SWITCHBOARD SHALL BE LABELED WITH "WARNING!- ELECTRICAL SHOCK HAZARD-DO NOT TOUCH TERMINALS. TERMINALS ON BOTH LINE AND LOAD SIDE MAY BE ENERGIZED IN THE OPEN POSITION".
- AC PANELBOARD PS-1 SHALL BE LABELED WITH "PHOTOVOLTAIC SYSTEM AC DISCONNECT".
- 9. INSTALLATION OF PV PANELS SHALL COMPLY WITH ASCE 7-05.
- 10. SOLAR PANELS SHALL BE GROUNDED WITH A BARE CONTINUOUS COPPER EQUIPMENT GROUNDING CONDUCTOR WITH LUGS AND GROUNDING SYSTEM.
- SOLAR PANEL CONNECTORS AND WIRING SHALL BE SUPPORTED REFERENCE NEC 338.10(B)(4)(B) AND NEC 334.30.
 COMBINER BOXES AND INVERTERS SHALL BE LABELED IN ACCORDANCE WITH NEC 690.53.
- ALL CONDUCTORS SHALL BE TESTED WITH A SEAWARD SOLAR IV TRACER AND RESISTANCE TESTER OR EQUAL AND RESULTS SHALL BE SUBMITTED TO OWNER AND ENGINEER.

FEEDER SCHEDULE

- A. USE #10 PV WIRE IN FREE AIR.
- B. 2" EMT WITH (2) #10 USE-2 PER STRING, (1) #10 GND.
- C. (4) #6 THHN, (1) #6 GND IN 1" EMT.
- D. (4) 1 THHN IN 2" GRC.
- E. WIRES TO 3 POLE 15A BREAKER IN PS-1 (3)#12, (1) #12 GND IN 3/4" CONDUIT.
- F. ETHERNET CONNECTION TO DSL/CABLE MODEM MINIMUM CAT 5 CABLE.
 G. DATA CABLE MINIMUM CAT 5 CABLE WITH A 50A CT TO OUTPUT OF EACH INVERTER.
- H. LOW VOLTAGE WIRING PER 4063 RAPID DISCONNECT DWG REQUIREMENTS.

	REVISIONS	DATE		MOREHE	AD						
1 2			MOREHEAD, KENTUCKY								
3 4			RECORD DATE	ONE-LINE DIAG	RAM	DRAWING NO.					
4 5 6			SHEET DRAWN BY YNR	COMMONWEALTH OF KE FINANCE AND ADMINISTRAT	TION CABINET	E1.1					
7 8			CHECKED BY PBJ	DEPARTMENT FOR FACILITIES DIVISION OF ENGINE FRANKFORT, KENTU	ERING						
9			A&E FILE NO.	Magr	na	REVIEWED DIV. OF ENGR.					
			XXX-XX-XXX	Electrical- Andreaded - Instrumentation							
			DATE XX-XX-XXXX	Solar Ener <mark>g</mark>	y Solutions	. Mathews File NO. E DIRECTORX					
			AGENCY AUTHORIZED AGENT		Jalina R. DAT						
			DIVISION OF	APPROVED FOR PROGRAM CONCEPT (9/22	естіvе 2/2016					
			ENGINEERING	APPROVED FOR PROGRAM CONCEPT (PURSUANT TO 807 K ONLY	AR 5.011 SECTION 9 (1)					

Schedule B – Interconnection Manual

KENTUCKY PUBLIC SERVICE COMMISSION
Talina R. Mathews EXECUTIVE DIRECTOR
Jalina R. Matheus
EFFECTIVE
9/22/2016 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

Manual of Small Generator Interconnection Requirements for Direct Interconnection with EKPC Member Cooperative **Distribution Systems**

(For Generating Facilities of 10 MW or Less)

Cooperative Name

KENTUCKY PUBLIC SERVICE COMMISSION
Talina R. Mathews EXECUTIVE DIRECTOR
Jalina R. Mathema
EFFECTIVE
9/22/2016
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

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KENTUCKY PUBLIC SERVICE COMMISSION
Talina R. Mathews EXECUTIVE DIRECTOR
Jalina R. Matheurs
EFFECTIVE
9/22/2016
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

PREAMBLE

The Manual of Small Generator Interconnection Requirements for Direct Interconnection with Member Distribution Systems (For Generating Facilities of 10 MW or Less) (the "Manual") is a compendium of the technical, legal and financial requirements which must be satisfied in order for an electric generation facility with a rated capacity of 10 MW or less to directly interconnect and operate in parallel with the electric distribution system of a distribution cooperative within the East Kentucky Power Cooperative, Inc. ("EKPC") system. The purpose of these requirements is to provide reasonable protection and minimize the risks to the personnel and property of the Member Distribution System ("Member"), EKPC, and the Interconnection Customer arising from the construction and operations of unaffiliated generation sources that will potentially impact the value, safety and reliability of the Member's Distribution System, as required by the Member's co-generation tariff on file with the Kentucky Public Service Commission.

ARTICLE I - DEFINITIONS

1.01 "Affected System" shall mean an electric transmission or distribution system other than the Member's Distribution System that may be affected by the proposed interconnection, including, but not limited to the EKPC Transmission System.

1.02 "Applicable Laws and Regulations" shall mean all duly enacted applicable federal, state and local laws, regulations, rules, ordinances, codes, decrees, judgments, directives, or judicial or administrative orders, permits and other duly authorized actions of any Governmental Authority.

1.03 "Business Day" shall mean each day of the week, Monday through Friday inclusive, but shall not include Federal Reserve bank holidays.

"Confidential Information" shall mean all information, written or oral, which has 1.04 been or is disclosed by the Member, EKPC, or the Interconnection Customer, or by any Person on behalf of the Member, EKPC, or the Interconnection Customer, or which otherwise becomes known to the Member, EKPC, or the Interconnection Customer, or to any Person associated with the Member, EKPC, or the Interconnection Customer, or any other Person in a confidential relationship with the Member, EKPC, or the Interconnection Customer, and which: a) relates to matters such as patents, trade secrets, research and development activities, draft or final contracts or other business arrangements, books and records, solar data and analysis, generation data and analysis, budgets, cost estimates, pro forma calculations, engineering work product, environmental compliance, vendor lists, suppliers, manufacturing processes, energy consumption, pricing information, private processes, and other similar information, as they may exist from time to time; b) relates to the existence or the terms of this Manuaer VICE COMMISSION EKPC, or the Interconnection Customer expressly designates in writing to be confidential. Confidential Information shall exclude information falling into any of the tofforeing categories: a) information that, at the time of disclosure hereunder or thereafter, i Jalina R. Mathuna Jomain, other than information that entered the public domain by breach of the dury or confidentiality by the Member, EKPC, or the Interconnection Customer; b) in formation, other-than-that obtained
from third parties, that prior to disclosure hereunder, was already in the Member's, EKPC's, or the Interconnection Customer's possession, either without limitation on disclosure to others or subsequently becoming free of such limitation; c) information obtained by the Member, EKPC, or the Interconnection Customer from a third party having an independent right to disclose the information; or d) information that is available through independent research without use of or access to the Confidential Information.

1.05 "Delivery Meter" shall have the meaning given in Section 5.01(a).

1.06 "Delivery Point" shall mean the Delivery Meter.

1.07 "Distribution System" shall mean the Member's facilities and equipment used to distribute electricity to end users directly from nearby generators or from interconnections with EKPC's Transmission System which transports bulk power.

1.08 "Distribution Upgrades" shall mean any and all additions, modifications or upgrades to the Member's Distribution System required at or beyond the Delivery Point at which the Small Generating Facility interconnects with the Member's Distribution System to accommodate the interconnection of the Small Generating Facility with the Member's Distribution System. "Distribution Upgrades" shall exclude Interconnection Facilities.

1.09 "Emergency Condition" shall mean a condition or situation: a) that in the judgment of the party making the claim is imminently likely to endanger life or property; or b) that, in the case of the Member, is imminently likely (as determined in a non-discriminatory manner) to cause a material adverse effect on the security of, or damage to the Member's Distribution System, the Member's Interconnection Facilities or the EKPC Transmission System; or c) that, in the case of the Interconnection Customer, is imminently likely (as determined in a non-discriminatory manner) to cause a material adverse effect on the security of, or damage to, the Small Generating Facility or the Interconnection Customer's Interconnection Facilities.

1.10 "Energy" shall mean three-phase, 60 hertz, alternating current energy generated at the Small Generating Facility.

1.11 "Force Majeure" shall mean an event or circumstance beyond the reasonable control of and without the fault or negligence of the party claiming Force Majeure, which, despite the exercise of reasonable diligence, cannot be or be caused to be prevented, avoided or removed by such party. Force Majeure shall include, to the extent consistent with the preceding sentence: an act of God; war (declared or undeclared); sabotage; riot; insurrection; civil unrest or disturbance; military or guerilla action; banditry; terrorist activity or a threat of terrorist activity which, under the circumstances, would be considered a precursor to actual terrorist activity; economic sanction or embargo; civil strike, work stoppage, slow-dpwn or loce the affected party; explosion; fire; earthquake or seaquake; abnormal weather consubert, manneys, ithority (provided that the affected party has in good faith considered reasonably of any *Consetting* such order); the failure to act on the part of any Governmental Authority (provided that such action has been

9/22/2016 PURSUANT TO 807 KAR 5:011 SECTION 9 (1) timely requested and diligently pursued); unavailability of equipment, supplies or products, but only to the extent caused by an event of circumstance of Force Majeure; and failure of equipment. With respect to the Interconnection Customer, Force Majeure shall also include (to the extent beyond the reasonable control of and without the fault or negligence of the Interconnection Customer) any interruption in distribution service on Member's side of the Delivery Point. No party shall be deemed to have suffered an event of Force Majeure due to the failure of equipment which that party is responsible for operating or maintaining unless the equipment has been operated and maintained in accordance with Good Utility Practice. Neither the lack of money nor changes in market conditions shall constitute an event of Force Majeure.

1.12 "Good Utility Practice" shall mean any of the practices, methods and acts employed by owners and/or lessors, operators or maintainers of electric generation, transmission or distribution facilities similar in size and operational characteristics to the Small Generating Facility, Interconnection Facilities, Distribution System and Transmission System which, in the exercise of reasonable judgment in the light of the facts known or that reasonably should have been known at the time that a decision was made, could reasonably have been expected to accomplish the desired result at the lowest reasonable cost, consistent with licensing and regulatory considerations, environmental considerations, reliability, safety, protection of lives and property, expedition, the technical specifications and manufacturer's maintenance requirements, and the applicable requirements of any Governmental Authority. Good Utility Practice is not intended to be limited to the optimum practice, method, or act to the exclusion of all others, but rather to be acceptable practices, methods, or acts generally accepted in the region.

1.13 "Governmental Authority" shall mean the federal government of the United States, and any state, county or local government, and any regulatory department, body, political subdivision, commission (including the Kentucky Public Service Commission and FERC), agency, instrumentality, ministry, court, judicial or administrative body, taxing authority, or other authority of any of the foregoing (including any corporation or other entity owned or controlled by any of the foregoing), any regional transmission organization or independent system operator, any national or regional reliability organization or council (including NERC) or any reliability coordinator, in each case, having jurisdiction or authority over the Manual (or any portion thereof), the Member, the Interconnection Customer, the Facility or the Buyer's Distribution System, whether acting under actual or assumed authority.

1.14 "Independent Party" shall mean a party not affiliated with the Member, EKPC, or the Interconnection Customer.

1.15 "Interconnection Customer" shall mean any Person that proposes to interconnect its Small Generating Facility with the Member's Distribution System.

1.16 "Interconnection Facilities" shall mean al facilities line KENTUCKY ent and appurtenances between the Small Generating Facility and ine Member's Distribution System, are necessary unpublication, additions or upgrades that electrically interconnect the Small Generating Facility to the Member's Distribution System. Interconnection Facilities are sole use facilities and shall not include Distribution Opgrades or Transmission Upgrades.

9/22/2016 PURSUANT TO 807 KAR 5:011 SECTION 9 (1) 1.17 "Letter of Credit" shall mean an irrevocable, transferable, standby letter of credit, issued by a major U.S. commercial bank or a financial institution with a Credit Rating of at least: a) "A-" by Standard and Poor's or "A3" by Moody's Investment Services; and b) assets of at least \$1,000,000,000.

1.18 "Member" shall mean a Kentucky cooperative corporation: a) formed under Chapter 279 of the Kentucky Revised Statutes for the primary purpose of distributing electricity to end users; b) that has been granted a certified service territory by the Kentucky Public Service Commission; and c) has entered into a membership agreement with EKPC.

1.19 "Operating Requirements" shall mean any operating and technical requirements that may be imposed by a regional transmission organization, independent system operator, control area coordinator, balancing authority, Member or EKPC.

1.20 "Person" shall mean any legal or natural person, including any individual, corporation, partnership, limited liability company, joint stock company, association, joint venture, trust, governmental or international body or agency, or other entity.

1.21 "Reasonable Efforts" shall mean efforts that are timely and consistent with Good Utility Practice and are otherwise substantially equivalent to those a Person would use to protect its own interests.

1.22 "Small Generating Facility" shall mean the Interconnection Customer's device for the production of electricity, but shall not include the Interconnection Customer's Interconnection Facilities.

1.23 "Tariff" shall mean the Member's or Affected System's Tariff through which transmission service or interconnection service are offered, as filed with the Kentucky Public Service Commission or FERC, and as amended or supplemented from time to time, or any successor tariff.

1.24 "Transmission System" shall mean the facilities owned, controlled or operated by EKPC that are used to transmit electric power to the Member and to or from Affected Systems.

1.25 "Transmission Upgrades" shall mean any and all additions, modifications or upgrades to EKPC's Transmission System to accommodate the interconnection of the Small Generating Facility with the Member's Distribution System or to allow wheeling of power across EKPC's transmission system.

ARTICLE 2 – SCOPE

2.01 <u>Scope</u>. The Manual and all attachments hereto, shall seven the former and conditions under which the Interconnection Customer's Small Generating and Line Line Manual shall remain in full force and effect throughout the term of any power purchase agreement

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entered into between the Member and the Interconnection Customer or the period of actual interconnection, whichever is longer.

2.02 <u>Power Purchases</u>. The Manual does not constitute an agreement to purchase or deliver the Interconnection Customer's power by either the Member or EKPC. The purchase or delivery of power and other services that the Interconnection Customer may require must be set forth in a separate power purchase agreement(s) between the Member and the Interconnection Customer.

ARTICLE 3 – INTERCONNECTION OBLIGATIONS

3.01 <u>Obligations of the Member, the Interconnection Customer, and EKPC</u>. The Member, the Interconnection Customer, and EKPC shall perform all obligations set forth herein in accordance with all Applicable Laws and Regulations, Operating Requirements, and Good Utility Practice. The Member, the Interconnection Customer, and EKPC shall respectively, construct, operate, maintain, repair, inspect, and be fully responsible for the Interconnection Facilities that each currently or subsequently may own unless otherwise specified in the Attachments incorporated herein. The Interconnection Facilities shall adequately protect the personnel and property of the Member, The Interconnection Customer, and EKPC and other Persons from damage and injury. The allocation of responsibility for the design, installation, operation, maintenance and ownership of Interconnection Facilities shall be delineated in the Attachments to this Manual.

3.02 Obligations of the Interconnection Customer.

a. <u>General</u>. The Interconnection Customer shall design, construct, interconnect, operate and maintain its Small Generating Facility and construct, operate, and maintain its Interconnection Facilities as set forth herein and in accordance with all Applicable Laws and Regulations, Operating Requirements, Good Utility Practice and shall reasonably minimize the likelihood of a disturbance adversely affecting or impairing the Member's Distribution System, EKPC's Transmission System, or any other Affected Systems.

b. <u>Standards</u>. Without limiting the obligations owed by the Interconnection Customer, the Small Generating Facility and Interconnection Customer's Interconnection Facilities shall meet or exceed: 1) specifications provided by the National Electrical Safety Code, the American National Standards Institute, IEEE and Underwriter's Laboratory that are in effect at the time of construction; 2) the technical and functional interconnection requirements set forth in Attachment 4; and 3) any other applicable federal, state or local codes or standards.

c. <u>Manufacturer's Maintenance Schedules</u>. The Interconnection Customershall adhere to the recommended maintenance schedule of the applicable service commission component of the Small Generating Facility and Interconnection Facilities. Talina R. Mathews

3.03 Obligations of the Member and EKPC.

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EFFECTIVE 9/22/2016 PURSUANT TO 807 KAR 5:011 SECTION 9 (1) a. <u>General</u>. The Member shall design, construct, operate, and maintain its Distribution System and Interconnection Facilities as set forth herein and in accordance with all Applicable Laws and Regulations, Operating Requirements and Good Utility Practice. EKPC shall design, construct, operate, and maintain its Transmission System and Interconnection Facilities as set forth herein and in accordance with all Applicable Laws and Regulations, Operating Requirements and Good Utility Practice.

b. <u>Coordination</u>. EKPC shall coordinate with the Member to support the interconnection of the Small Generating Facility into the Member's Distribution System. When applicable, the Member shall inform EKPC of activities relating to the engineering studies and commissioning tests set forth in Attachment 4.

3.04 <u>Milestones</u>. The Member and Interconnection Customer shall agree on milestones for which each is responsible and list them in Attachment 3 of this Manual. A deadline for performance of the obligations under this provision may be extended by agreement. If the Member or Interconnection Customer anticipates that it will be unable to meet a milestone for any reason other than a Force Majeure Event, it shall: a) immediately notify the other party of the reason(s) for not meeting the milestone; b) propose the earliest reasonable alternate date by which it can attain this and future milestones, and c) request appropriate amendments to Attachment 3. The party affected by the failure to meet a milestone shall not unreasonably withhold agreement to such an amendment unless: a) it will suffer significant uncompensated economic or operational harm from the delay; b) attainment of the same milestone has previously been delayed; or c) it has reason to believe that the delay in meeting the milestone is intentional or unwarranted. EKPC shall be provided with a copy of Attachment 3 and all amendments thereto.

3.05 <u>Infrastructure Protection</u>. Infrastructure security of electric system equipment and operations and control hardware and software is essential to ensure day-to-day reliability and operational security. The Member and Interconnection Customer shall, to the greatest extent possible, comply with Good Utility Practice regarding infrastructure protection, including satisfaction of basic standards for system infrastructure and operational security, including physical, operational, and cyber-security practices.

ARTICLE 4 – AUTHORIZATION, TESTING AND RIGHT OF ACCESS

4.01 <u>Authorization Required Prior to Parallel Operation</u>. The Interconnection Customer shall not operate its Small Generating Facility in parallel with the Member's Distribution System without prior written authorization of the Member. The Member will provide such authorization once the Member receives notification that the Interconnection Customer has complied with all applicable parallel operation and testing requirements. Such authorization shall not be unreasonably withheld, conditioned, or delayed SERVICE Coher shall use Reasonable Efforts to list any applicable parallel operation requirements other than those set forth in the Attachments hereto. Additionally, the Member shall not set that the Mathews customer of any changes to these requirements as soon as they are known and the forther shall make Reasonable Efforts to cooperate with the Interconnection Customer of an under the forther to cooperate with the Interconnection for the set in the interconnection for the set in the interconnection for the set in the interconnection for the interconnection for the set in the interconnection for the interconnection fo requirements necessary for the Interconnection Customer to commence parallel operations by the in-service date.

4.02 Initial Testing and Inspection. The Interconnection Customer shall test and inspect its Small Generating Facility prior to interconnection. Such testing shall, at a minimum, comply with the requirements of Attachment 4. The Interconnection Customer shall notify the Member of such activities no fewer than five (5) Business Days (or as may otherwise be mutually agreed) prior to such testing and inspection. Testing and inspection shall occur on a Business Day. The Member and EKPC may, at its own expense, send properly accredited representatives to the Small Generating Facility site to inspect the Small Generating Facility and observe the testing. If requested at the time of testing, the Interconnection Customer shall provide the Member with a written test report within five (5) business days when such testing and inspection is completed. The Member shall acknowledge that it has received the Interconnection Customer's written test report, however, such written acknowledgment shall not be deemed to be or construed as any representation, assurance, guarantee, or warranty by the Member as to the safety, durability, suitability, or reliability of the Small Generating Facility or any associated control, protective, and safety devices owned or controlled by the Interconnection Customer or the quality of power produced by the Small Generating Facility.

4.03 <u>Right of Access</u>. Following the initial inspection process described above, the Interconnection Customer shall allow properly accredited representatives of the Member to have access to the Facility, upon advance notice and during any Business Day, to observe the operation and maintenance of the Small Generating Facility or Interconnection Customer's Interconnection Facilities. Such representatives shall observe such safety precautions as may be required by the Interconnection Customer and communicated to the Member in writing and shall conduct themselves in a manner that will not interfere with the operation or maintenance of the Small Generating Facility or Interconnection Facilities.

ARTICLE 5 – METERING

5.01 <u>Installation</u>.

a. <u>Location</u>. Energy delivered by the Interconnection Customer to the Member pursuant to a power purchase agreement shall be measured by a meter ("Delivery Meter") located at the Delivery Point, and shall have the metering instrument transformers, which measure the output of the Small Generating Facility, located on the Member's side of any transformer of the Interconnection Facilities. Should the Interconnection Customer require an express feeder to deliver energy directly to a Member substation, the Delivery Meter shall be located within the Member substation.

b. <u>Cost and Installation</u>. The Member shall specify, in**KENTUGKY**, operate, and maintain the Delivery Meter. All Delivery Metering equipment, installation, mathematical and operating costs will be borne by the Interconnection Customer. The Talina Ry Mathematical to determine the billing hereunder shall be sealed, and such seals shall be the Delivery Meter is to be inspected as described in Section 5.02 and Section 5.03. If applicable, the Interconnection Customer shall provide access, per 807 KRS 5:006 Section 19, for the Member to the Delivery

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Meter at all reasonable times for the purposes of inspecting, testing, adjusting and calibrating the same, provided that such access shall not unreasonably interfere with Interconnection Customer's normal business operations. In the event that the Delivery Meter fails to register during any period of time, the Member shall estimate the amount of Energy delivered during such period using an appropriate methodology.

5.02 <u>Meter Testing</u>. The accuracy of the Delivery Meter shall be tested and verified by the Member, at the Interconnection Customer's expense, prior to commercial operation of the facility. The Delivery Meter shall be tested by the Member, at the Interconnection Customer's expense, per 807 KRS 5:006 General Rules Sections 16 and 17, and 807 KAR 5:041 Electric. The Interconnection Customer may, at its own expense, at any time, per 807 KAR 5:006 Section 18, request the Member to test the Delivery Meter. Upon receiving written notice, the Member shall have forty-five (45) days to perform such test. All tests shall be coordinated to minimize the impact on Small Generating Facility operations.

5.03 <u>Corrections and Maintenance</u>. If, upon testing, the Delivery Meter is found to be inaccurate, the Delivery Meter shall be promptly adjusted or replaced by the Member to record correctly. The Interconnection Customer shall have the right to have a representative present whenever the Delivery Meter is, replaced, repaired, tested, calibrated, or adjusted.

ARTICLE 6 – SMALL GENERATING FACILITY OPERATIONS

6.01 <u>Reactive Power</u>. The Interconnection Customer shall design the Small Generating Facility to maintain a composite power delivery at continuous rated power output at the Point of Delivery at a power factor within the range specified in Attachment 4 of this document unless the Member has established different requirements that apply to all similarly situated generators in the control area on a comparable basis. The requirements of this paragraph shall not apply to wind generators.

6.02 Disconnection.

a. <u>Expiration/Termination of a Power Purchase Agreement</u>. The Small Generating Facility shall be disconnected from the Member's Distribution System upon the expiration or termination of any purchase power agreement in effect between the Interconnection Customer and the Member. All costs required to effectuate such disconnection shall be borne by the Interconnection Customer unless the disconnection is the result of a default under an applicable power purchase agreement or a violation of any term of this Manual by the Member.

b. <u>Temporary Disconnections</u>. Temporary disconnections shall continue only for so long as reasonably necessary under Good Utility Practice. Permissible temporary disconnections shall include:

(i) <u>Emergency Conditions</u>. Under Emergency Conditions Under Emergency Conditions the Member may immediately suspend interconnection service and temporarily **Extisuon Member** temporarily

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Customer shall notify the Member promptly when it becomes aware of an Emergency Condition that may reasonably be expected to affect the Member's Distribution System or any Affected Systems, including EKPC's Transmission System. To the extent information is known, the notification shall describe the Emergency Condition, the extent of the damage or deficiency, the expected effect on the operation of the facilities and operations of both the Member and Interconnection Customer, its anticipated duration, and the necessary corrective action.

(ii) <u>Routine Maintenance, Construction, and Repair</u>. Either the Member or the Interconnection Customer may interrupt interconnection service or curtail the output of the Small Generating Facility and temporarily disconnect the Small Generating Facility from the Member's Distribution System when necessary for routine maintenance, construction, and repairs on the Member's Distribution System or the Small Generating Facility. Both the Member and the Interconnection Customer shall use Reasonable Efforts to provide the other with five (5) Business Days notice prior to any such interruption. The Member and Interconnection with each other.

(iii) <u>Forced Outages</u>. During any forced outage affecting either the Small Generating Facility or the Member's Distribution System, the affected party may suspend interconnection service to effect immediate repairs. The affected party shall use Reasonable Efforts to provide the other party with prior notice. If prior notice is not given, written documentation explaining the circumstances of the disconnection shall be provided after the fact upon request.

c. <u>Reconnection</u>. The Interconnection Customer and Member shall cooperate with each other to restore the Small Generating Facility, Interconnection Facilities, and the Member's Distribution System to their normal operating state as soon as reasonably practicable following a temporary disconnection.

6.03 <u>Adverse Operating Effects</u>. The Member shall notify the Interconnection Customer as soon as practicable if, based on Good Utility Practice, operation of the Small Generating Facility may cause disruption or deterioration of service to other customers served by the Member, or if operating the Small Generating Facility could cause damage to the Member's Distribution System or Affected Systems, including EKPC's Transmission System. Supporting documentation used to reach the decision to disconnect shall be provided to the Interconnection Customer upon request. If, after notice, the Interconnection Customer fails to remedy the adverse operating effect within a reasonable time, the Member may disconnect the Small Generating Facility. Except to the extent that an Emergency Condition exists, the Member shall provide the Interconnection Customer with five (5) Business Days notice of such disconnection.

6.04 <u>Modification of the Small Generating Facility</u>. The Interceptive Construction from the Member before making any change to the Small Generating Facility that may have a material impact on the safety or reliable of the Small Be done in accordance with Good Utility Practice. If the Interconnection Customer makes such modification without the Member's prior written authorization, the latter shall have the modification of the Member's prior written authorization, the latter shall have the modification of the Member's prior written authorization, the latter shall have the modification of the Member's prior written authorization, the latter shall have the modification without the Member's prior written authorization, the latter shall have the modification without the Member's prior written authorization in the latter shall have the modification without the Member's prior written authorization, the latter shall have the modification without the Member's prior written authorization written

temporarily disconnect the Small Generating Facility. The Member shall notify EKPC prior to authorizing any such modification to the Small Generating Facility.

6.05 <u>Environmental Releases</u>. The Interconnection Customer-shall notify the Member, first orally and then in writing, of the release of any hazardous substances, any asbestos or lead abatement activities, or any type of remediation activities related to the Small Generating Facility or the Interconnection Facilities, each of which may reasonably be expected to affect the Member. The notifying party shall: a) provide the notice as soon as practicable, provided such party makes a good faith effort to provide the notice no later than twenty-four (24) hours after such party becomes aware of the occurrence; and b) promptly furnish the Member with copies of any publicly available reports filed with any Governmental Authorities addressing such events.

6.06 <u>Wheeling</u>. Unless otherwise required by law or tariff, the Distribution System may allow for any excess Energy produced by the Small Generating Facility to be wheeled across its distribution system for delivery to the EKPC Transmission System or other Affected Systems. Unless otherwise required by law or tariff, wheeling fees shall be calculated in accordance with Attachment 6. The Interconnection Customer may wheel power across EKPC's Transmission System in accordance with EKPC's Open Access Transmission Tariff.

ARTICLE 7 – COST ALLOCATION FOR INTERCONNECTION FACILITIES AND DISTRIBUTION UPGRADES

7.01 <u>Interconnection Facilities</u>. The Interconnection Customer shall pay for the capital, operations and maintenance costs of the Interconnection Facilities itemized in Attachment 1. The Member shall provide a best estimate cost for the purchase and construction of its Interconnection Facilities and shall provide a detailed itemization of such costs. Costs associated with Interconnection Facilities may be shared with other entities that may benefit from such facilities by agreement of the Interconnection Customer, such other entities, and the Member. The Interconnection Customer shall pay all reasonable expenses associated with a) owning, operating, maintaining, repairing, and replacing its own Interconnection Facilities; and b) operating, maintaining, repairing, and replacing the Member's Interconnection Facilities.

7.02 <u>Distribution Upgrades</u>. The Member shall design, procure, construct, install, and own the Distribution Upgrades described in Attachment 5 of this Manual. If the Member and the Interconnection Customer agree, the Interconnection Customer may construct Distribution Upgrades that are located on land owned by the Interconnection Customer. The capital, operations and maintenance costs of the Distribution Upgrades shall be paid to the Member by the Interconnection Customer.

7.03 Billing and Payment Procedures; Audits.

a. <u>Billing and Payment</u>. The Member shall bill the Interconnection Customer for the costs of Member's Interconnection Facilities, Distribution Upgrades, described in Attachments 1 and 5, and actually incurred, on Jalina R. Mathews, or as otherwise agreed by them. The Interconnection Customer shall pay each off within 30 calendar

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days of receipt, or as otherwise agreed to by Interconnection Customer and Member. Billings and payments shall be addressed as follows:

If to the I	Member:			
	Member:			
	Attention:			
	Address:			
	City:		State:	Zip:
	Phone: H	Fax:		
If to the l	nterconnection Customer:			
	Interconnection Customer:			
	Attention:			
	Address:			
	City:		State:	Zip:
	Phone: H			-

b. <u>Final Accounting</u>. Within three months of completing the construction and installation of the Member's Interconnection Facilities, Distribution Upgrades and Transmission Upgrades described in Attachments 1 and 5, the Member shall provide the Interconnection Customer with a final accounting report. If the Interconnection Customer's cost responsibility exceeds its previous aggregate payments, the Member shall invoice the Interconnection Customer for the amount due and the Interconnection Customer shall make payment to the Member within 30 calendar days. If the Interconnection Customer's previous aggregate payments exceed its cost responsibility, the Member shall refund to the Interconnection Customer an amount equal to the difference within 30 calendar days of the final accounting report.

7.04 Interconnection Customer's Credit Support. Within five (5) Business Days of entering into any power purchase agreement to which this Manual shall apply, the Interconnection Customer shall deliver to the Member a Letter of Credit in the amount of _____ to secure the Interconnection Customer's obligations as set forth in Article 7 and \$___ Article 8 herein. The Letter of Credit shall remain in place for at least six (6) months, and any outstanding Letter of Credit shall be renewed or replaced prior to its expiration by a replacement Letter of Credit in the same amount and for a term of at least six (6) months (provided, however, that the last such Letter of Credit shall have an expiration date that is no earlier than ninety (90) days following the date of the Member's issuance of the final accounting report required by Section 7.03(b)), which Letter of Credit shall be delivered to Buyer no later than twenty (20) days before the expiration of the replaced Letter of Credit, and which process shall be repeated as necessary until the Member has been paid for the costs of all Interconnection Facilities, Distribution System Upgrades and Transmission Upgrades. The Letter of Service Completion provision for at least thirty (30) days advance notice to Member of any expiration or early termination of the Letter of Credit so as to allow Member sufficient time do reversing of the rights under the Letter of Credit if the Interconnection Customer fails to renew Jalina R. Mathemater of Credit prior to such expiration or early termination.

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ARTICLE 8 – COST ALLOCATION FOR EKPC TRANSMISSION SYSTEM UPGRADES

8.01 <u>Applicability</u>. Article 8 shall apply in the event that: a) the Interconnection Customer anticipates using the EKPC Transmission System to wheel power to other Affected Systems; or b) the Interconnection Customer or the Member anticipates that, under normal operating conditions, the Small Generating Facility may cause a backflow of power onto the EKPC Transmission System.

8.02 <u>Consultations</u>. Prior to the Member authorizing the Interconnection Customer to begin operation of the Small Generating Facility in parallel to the Member's Distribution System, the Member and EKPC shall consult regarding the anticipated and foreseeable affects of the Small Generating Facility on the EKPC Transmission System.

8.03 <u>Transmission Upgrades</u>. In the event that EKPC determines, in its sole discretion, that upgrades will be reasonably necessary to facilitate wheeling of power from the Small Generating Facility across the EKPC Transmission System or to protect the EKPC Transmission System from any backflow of power from the Small Generating Facility, EKPC shall provide a best estimate cost for the purchase and construction of the Network Upgrades and shall provide a detailed itemization of such costs in Attachment 5. Upon execution of any power purchase agreement between a Member and an Interconnection Customer and the posting of the Interconnection Customer's Credit Support set forth in Section 7.04, EKPC shall construct the Transmission Upgrades in accordance with Good Utility Practice.

8.04 <u>Billing and Payment</u>. The capital cost of the Transmission Upgrades shall be paid by the Member as a one-time payment due prior to the commencement of construction or installation of the Transmission Upgrades. The Member shall be reimbursed for the cost of the Transmission Upgrades by the Interconnection Customer in accordance with Section 7.03. Payments to EKPC shall be addressed as follows:

> East Kentucky Power Cooperative, Inc. Attention: CFO P.O. Box 707 Winchester, KY 40392-0707 Tel. (859) 744-4812 Fax. (859) 744-6008

ARTICLE 9 - ASSIGNMENT, INDEMNITY, LIABILITY AND DAMAGES, FORCE MAJEURE, INSURANCE AND CONFIDENTIALITY

9.01 <u>Assignment</u>.

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a. <u>Assignment to Non-Affiliates</u>. No rights, obligations of poligations of the non-assigning party. Talina R. Mathews from this Manual may be assigned, in whole or in part, by either the Me jalina R. Mathews nection Customer without the prior written consent of the non-assigning party. Such consent may require that: i) the assignee agrees in writing, in form and substance satistantees the non-

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assigning party, to assume and to perform each and every obligation of the assignor under this Manual; ii) the assignment does not impair any security given by the assigning party hereunder unless the assignee posts replacement security which meets the requirements of Section 7.04; and iii) the assignee has obtained, prior to the assignment, such authorizations as may be required by applicable law. Any assignment in violation hereof shall be null and void and shall constitute a breach of this Manual by the assigning party.

b. <u>Assignment to Affiliates</u>. Notwithstanding Section 9.01(a), either the Interconnection Customer or Member may assign this Manual to an affiliate of such party without the consent of the non-assigning party, provided, however, that the assigning party shall remain liable for all of its obligations under this Manual unless and until the consent of the non-assigning party is secured in accordance with Section 9.01(a). The assigning party shall notify the other party of the occurrence of any event described in this paragraph.

9.02 <u>Indemnity</u>.

a. <u>Duty to Indemnify</u>. The Interconnection Customer shall indemnify, defend and hold the Member and EKPC and its employees, directors, officers, managers, members and agents, harmless from and against any and all third party claims, suits, damages, losses, liabilities, expenses and costs (including reasonable attorneys' fees) including, but not limited to, those arising out of property damage to the property of the Member and EKPC, environmental claims, and personal injury and bodily injury (including death, sickness and disease) to the extent caused by a material breach of any obligation contained in this Manual, negligence or willful misconduct of the Interconnection Customer. The duty to indemnify under this paragraph shall continue in full force and effect notwithstanding the expiration or termination of any power purchase agreement between the Interconnection Customer and the Member with respect to any cost or expense arising out of an event or condition which occurred or existed prior to such expiration or termination, or during the period of interconnection, whichever is longer.

b. <u>Employees</u>. The Interconnection Customer shall not be deemed an employee of the Member or EKPC nor shall it bring any claim against the Member or EKPC with respect to any liability for compensation under any applicable state or federal worker's compensation act, including worker's compensation and/or employer's liability claims of employees. The Interconnection Customer shall be liable for all claims of their employees arising out of any provision of any workers' compensation law.

9.03 <u>Limitation of Liability and Damages</u>. The Member or EKPC shall not be liable for consequential, incidental, punitive exemplary or indirect damages, lost profits or other business interruption damages, by statute (to the extent permitted by law), in tort or contract or otherwise (except to the extent that an Indemnifying Party is obligated under Section 9.02 to indemnify against third party claims for consequential, incidental, punitive, excepted continues of damages or lost profits or business interruption damages). The limitations herein imposed on remedies and the measure of damages is without regard to the cause excepted on the cause excepted on including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence, including the negligence of the Member or EKPC, whether such negligence of the Member or EKPC or the execution of the term of the execution of the term of the execution of the term of WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE SUBJECT MATTER OF THIS MANUAL.

9.04 <u>Force Majeure</u>. If a Force Majeure event prevents the Member, EKPC, or the Interconnection Customer from fulfilling any obligations under this Manual, the party affected by the Force Majeure event ("Affected Party") shall promptly notify the others, either in writing or via the telephone, of the existence of the Force Majeure event. The notification must specify in reasonable detail the circumstances of the Force Majeure event, its expected duration, and the steps that the Affected Party is taking to mitigate the effects of the event on its performance. The Affected Party shall keep the others informed on a continuing basis of developments relating to the Force Majeure event until the event ends. The Affected Party will be entitled to suspend or modify its performance of obligations under this Manual (other than the obligation to make payments) only to the extent that the effect of the Force Majeure event cannot be mitigated by the use of Reasonable Efforts. The Affected Party will use Reasonable Efforts to resume its performance as soon as possible.

9.05 <u>Insurance</u>. In addition to, or as a part of, any insurance required by a power purchase agreement, the Interconnection Customer shall, at its own expense, maintain in force general liability insurance without any exclusion for liabilities related to the interconnection. The amount of such insurance shall be sufficient to insure against all reasonably foreseeable direct liabilities given the size and nature of the generating equipment being interconnected, the interconnection itself, and the characteristics of the system to which the interconnection is made, but in no event shall be less than \$______. Such insurance shall be obtained from an insurance provider authorized to do business in Kentucky and certification that such insurance is in effect shall be provided upon request of the Member, except that the Interconnection Customer shall show proof of insurance to the Member no later than ten (10) Business Days prior to the anticipated commercial operation date.

9.06 <u>Confidentiality</u>.

a. <u>Duty of Confidentiality</u>. Any Confidential Information of the Member or EKPC which is disclosed to or otherwise received or obtained by the Interconnection Customer incident to an interconnection shall be held, in confidence, and the Interconnection Customer (subject to paragraphs (b) and (c) below) may not publish or otherwise disclose any Confidential Information of the Member or EKPC to any Person for any reason or purpose whatsoever, or use any Confidential Information for any purpose other than to effectuate the interconnection, without the prior written approval of the Member (or EKPC), which approval may be granted or withheld by the Member (or EKPC) in its sole discretion. Without limiting the generality of the foregoing, the Interconnection Customer shall observe at a minimum the same safeguards and precautions with regard to the Member's or EKPC's Confidential Information which such party observes with respect to its own information of the same or s milar kind. KENTUCKY

Any Confidential Information of the Interconnection Customer Windows Mathews to or otherwise received or obtained by the Member or EKPC incident to be held, in confidence, and the Member and EKPC (subject to paragraphs (b) and (c) below) may not publish or otherwise disclose any Confidential Information of the Interconnection Customer to any Person for any reason whatsoever, or use any Confidential Information for any purpose other than to effectuate the interconnection, without prior written approval of the Interconnection Customer, which approval may be granted or withheld by the Interconnection Customer in its sole discretion. Without limiting the generality of the foregoing, the Member and EKPC shall observe at a minimum the same safeguards and precautions with regard to the Interconnection Customer's Confidential Information which such party observes with respect to its own information of the same or similar kind.

b. <u>Disclosures to Employees, Contractors and Affiliates</u>. The Interconnection Customer will make available Confidential Information received from the Member or EKPC to its employees, contractors and affiliates only on a need-to-know basis, and all Persons to whom such Confidential Information is made available will be made aware of the confidential nature of such Confidential Information, and will be required to agree to hold such Confidential Information in confidence under terms substantially identical to the terms hereof. The Member and EKPC shall observe the same conduct towards the Interconnection Customer's Confidential Information disclosures.

c. <u>Disclosures to Governmental Authorities</u>. Notwithstanding the foregoing, the Interconnection Customer may provide any Confidential Information to any Governmental Authority having jurisdiction over or asserting a right to obtain such information, provided that: i) such Governmental Authority: A) orders that such Confidential Information be provided; or B) such Governmental Authority requires disclosure of the Confidential Information in connection with the application for any required authorization; and ii) unless prohibited from so doing by applicable law, the Interconnection Customer promptly advises the Member (or EKPC) of any request for such information by such Governmental Authority and cooperates in giving the Member (or EKPC) an opportunity to present objections, requests for limitation, and/or requests for confidentiality or other restrictions on disclosure or access, to such Governmental Authority. The Member and EKPC shall observe the same conduct towards the Interconnection Customer's Confidential Information Customers.

d. <u>Injunctive Relief</u>. In the event of a breach or threatened breach of the provisions of paragraph (a) above by the Interconnection Customer, the Member (or EKPC) shall be entitled, without limitation, to an injunction restraining such party from such breach, or likewise, in the event of a breach or threatened breach of the provisions of paragraph (a) above by the Member or EKPC, the Interconnection Customer shall be entitled, without limitation, to an injunction restraining such party(s) from such breach

e. <u>Continuing Obligation</u>. The obligation to retain the Member's, EKPC's, or the Interconnection Customer's Confidential Information in confidence shall continue in full force and effect throughout the period of interconnection and for a period of two (2) years thereafter, notwithstanding the expiration or termination between the Member and the Interconnection Customer.

ARTICLE 10 – MISCELLANEOUS

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10.01 <u>Waiver</u>. The failure of the Member or the Interconnection Customer to insist, on any occasion, upon strict performance of any provision of this Manual will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such party. Any waiver of this Manual shall, if requested, be provided in writing.

10.02 <u>No Partnership</u>. This Manual shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties with respect to the interconnection or to impose any partnership obligation or partnership liability upon the Member, EKPC, or the Interconnection Customer. No Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind any other Party.

10.03 <u>Subcontractors</u>. Any Party may utilize the services of any subcontractor(s) deemed appropriate to perform the obligations set forth herein; provided, however, that subcontractors comply with all applicable terms and conditions of this Manual in providing such services. The creation of any subcontract relationship shall not relieve any Party of any of its respective obligations hereunder. Each Party shall be fully responsible to any other Party for the acts or omissions of any subcontractor hired as if no subcontract had been made. Any applicable obligation imposed herein upon any Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of such party. The obligations under this paragraph will not be limited in any way by any limitation of subcontractor's insurance.

10.04 <u>Notices</u>. Any written notice, demand, or request required or authorized herein shall be deemed properly given if delivered in person, via overnight U.S. mail or courier service or facsimile. Any notice or request required or permitted to be given and not required herein to be given in writing may be so given by telephone. All notices shall be delivered to the designated representative specified below:

If to the Interconnection Customer:

Interconnection Customer:		
Attention:		
Address:		
City:	State:	Zip:
Phone: Fax:		
If to the Member:		
Member:		
Attention:		
Address:		
City:	State:	
Phone: Fax:		Talina R. Mathews
		EXECUTIVE DIRECTOR
If to East Kentucky Power Cooperative, Inc.		Jalina R. Mathema
East Kentucky Power Cooperative,	Inc.	EFFECTIVE
		9/22/2016
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Attention: CEO Address: PO Box 707 City: Winchester State: KY Zip: 40392-0707 Phone: 859-744-4812 Fax: 859-744-6008

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Description and Costs of the Interconnection Facilities and Metering Equipment

Equipment, including the Interconnection Facilities, and metering equipment shall be itemized and identified as being owned by the Interconnection Customer, the Member, or EKPC. The Member will provide a best estimate itemized cost of its Interconnection Facilities and metering equipment, and a best estimate itemized cost of the annual operation and maintenance expenses associated with its Interconnection Facilities and metering equipment.

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One-line Diagram Depicting the Small Generating Facility, Interconnection Facilities, Metering Equipment, and Distribution Upgrades. Operating Procedures

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Milestones

In-Service Date: _____

Critical milestones and responsibility as agreed to by the Parties:

Milestone/Date Responsible Party

(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
Agreed to by:	
For the Member	Date

For the Transmission Owner (If Applicable)	Date
--	------

For the Interconnection Customer_____ Date_____

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Technical and Functional Requirements for Interconnecting the Interconnection Customer's Small Generating Facility with the Member's Distribution System

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Description of Distribution Upgrades and Transmission Upgrades and Best Estimate of Such Costs

The Member and EKPC shall describe Distribution Upgrades and Transmission Upgrades and provide an itemized best estimate of the cost of the Distribution Upgrades and Transmission Upgrades and annual operation and maintenance expenses associated with each. The costs and annual expenses shall be functionalized as either distribution or transmission related.

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Calculation for Wheeling Energy Across a Member Distribution System to the EKPC Transmission System

Distribution Wheeling Rate

The Distribution Wheeling Rate shall be calculated by applying an Annual Fixed Charge Rate to the Net Distribution Line Investment. The result of this calculation will be divided by the 12-month sum of the monthly wholesale coincident peak demands for the EKPC Member Cooperative. The resulting Distribution Wheeling Rate per kW shall be multiplied by the capacity wheeled by the third party or EKPC. The Distribution Wheeling Rate shall be based on the financial information filed in the EKPC Member Cooperative's annual report to the Kentucky Public Service Commission (Commission). The Distribution Wheeling Rate shall be recalculated every June 1st to reflect the most current financial information.

<u>Annual Fixed Charge Rate</u>. The Annual Fixed Charge Rate shall allow for the recovery of depreciation expense, operation and maintenance (O&M) expense, and administrative and general (A&G) expenses associated with EKPC Member Cooperative's distribution system. The Annual Fixed Charge Rate shall also include a return on the investment in the distribution facilities of EKPC Member Cooperative. The components of the Annual Fixed Charge Rate shall be calculated in the following manner:

- a. Depreciation Expense. The annual depreciation expense associated with the distribution plant shall be divided by the calendar year-end total distribution plant to calculate the depreciation portion of the Annual Fixed Charge Rate. The annual depreciation expense associated with the distribution plant shall be calculated by multiplying the total annual depreciation expense by the percentage of the calendar year-end total distribution plant to the calendar year-end total electric plant in service.
- b. O&M Expense. The annual distribution O&M expense shall be divided by the calendar year-end total distribution plant to calculate the O&M portion of the Annual Fixed Charge Rate.
- c. A&G Expense. The annual A&G expense associated with the distribution plant shall be divided by the calendar year-end total distribution plant to calculate the A&G portion of the Annual Fixed Charge Rate. The annual A&G expense associated with the distribution plant shall be calculated by multiplying the total annual A&G expense by the percentage of the calendar year end total electric plant in service Commission plant to the calendar year-end total electric plant in service Talina R. Mathews

d. Return on Investment. The return on investment reflects a Jahna R. Mathana capital approach. The debt portion of capitalization is based on the Calendar yearend balance of all long-term debt. The equity portion of capitalization is based on

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the calendar year-end balance in the Patronage Capital account minus EKPC generation and transmission capital credits (G&TCCs). The cost of debt is calculated by dividing the calendar year-end balance for interest on long-term debt by the calendar year-end balance of all long-term debt. The cost of equity is based on the Times Interest Earned Ratio (TIER) authorized by the Commission in the EKPC Member Cooperative's last base rate case. The cost of equity is calculated by dividing the amount of margins required to achieve the authorized TIER by the calendar year-end balance in the Patronage Capital account minus EKPC G&TCCs.

<u>Net Distribution Line Investment</u>. The Net Distribution Line Investment is the net book value for two distribution plant accounts: Poles, Towers and Fixtures – Account 364, and Overhead Conductors and Devices – Account 365. The net book value for each account is determined by taking the calendar year-end balance for the account minus the corresponding accumulated depreciation at calendar year-end. The corresponding accumulated depreciation is calculated by multiplying the total accumulated depreciation balance for distribution plant at calendar year-end balances for either Account 364 or 365 to the total calendar year-end balances for either Account 364 or 365 to the total calendar year-end total distribution plant.

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SMALL GENERATOR INTERCONNECTION REQUEST APPLICATION FORM

Member:
Designated Contact Person:
Address:
Telephone Number:
Fax:
E-Mail Address:

An Interconnection Request is considered complete when it provides all applicable and correct information required below.

Preamble and Instructions

An Interconnection Customer who requests an interconnection must submit this Interconnection Request by hand delivery, mail, e-mail, or fax to the Member.

Processing Fee or Deposit:

The Interconnection Customer shall submit to the Member a deposit not to exceed \$1,000 towards the cost of the feasibility study.

Interconnection Customer Information

Legal Name of the Interconnection Customer (or, if an individual, individual's name)

Name:	
Contact Person:	
Mailing Address:	
City: State: Zip:	KENTUCKY
Facility Location (if different from above):	PUBLIC SERVICE COMMISSION Talina R. Mathews
Telephone (Day): Telephone (EXECUTIVE DIRECTOR
Fax: E-Mail Addres	s:
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Alternative Contact Information (if different from the Interco	onnection Customer)			
Contact Name:				
Title:				
Address:				
Telephone (Day): Telephone (Ev				
Fax: E-Mail A	Address:			
Application is for: New Small Generating Facility Capacity addition to Existing Small Generating Facility				
If capacity addition to existing facility, please describe:				
Will the Small Generating Facility be used for any of the following the following the state of t	owing?			
To Supply Power to the Interconnection Customer? Yes	_ No _ No _ No			
For installations at locations with existing electric service to Generating Facility will interconnect, provide:	which the proposed Small			
(Local Electric Service Provider*)	Existing Account Number*)			
[*To be provided by the Interconnection Customer if the local electric service provider is different from the Member]				
Contact Name:				
Title:				
Address:				
	KENTUCKY PUBLIC SERVICE COMMISSION			
Telephone (Day):Telephone (Eveni Fax:E-Mail Address:	ng):Jalina R. Mathews Jalina R. Mathews			
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Requested Point of Interconnection:

Interconnection Customer's Requested In-Service Date:

Small Generating Facility Information

Data apply only to the Small Generating Facility, not the Interconnection Facilities.

Energy Source: Solar Wind Hydro	
Hydro Type (e.g. Run-of-River): Diesel Natural Gas Fuel Oil Other (state type)	
Prime Mover: Fuel Cell Recip Engine Ga	as Turb PV Other
Type of Generator:SynchronousInduction Inv	verter
Generator Nameplate Rating: kW	
Generator Nameplate Rating: kVAr	
Interconnection Customer or Customer-Site Load:	kW (if none, so state)
Typical Reactive Load (if known):	
Maximum Physical Export Capability Requested:	kW
List components of the Small Generating Facility equipment p Equipment Type Certifying Entity 1	
2	
4	
5	
Is the prime mover compatible with the certified protective rel	lay package?YesNo
Generator (or solar collector)	
Manufacturer, Model Name & Number:	KENTUCKY
Version Number:	PUBLIC SERVICE COMMISSION Talina R. Mathews
Nameplate Output Power Rating in kW: (Summer)	EXECUTIVE DIRECTOR (Win Jalina R. Mathema
Nameplate Output Power Rating in kVA: (Summer)	(Winter) _{EFFECTIVE}
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Individual Generator Power Fa

Rated Power Factor: Leading: _____Lagging: _____

Total Number of Generators in wind farm to be interconnected pursuant to this

Interconnection Request: _____ Elevation: _____ Single phase ____ Three phase _____

Inverter Manufacturer, Model Name & Number (if used):

List of adjustable set points for the protective equipment or software:

Note: A completed Power Systems Load Flow data sheet must be supplied with the Interconnection Request.

Small Generating Facility Characteristic Data (for inverter-based machines)

Max design fault contribution current: _	Instantaneous or RMS?	
-		

Harmonics Characteristics: _____

Start-up requirements:	

Small Generating Facility Characteristic Data (for rotating machines)

RPM Frequency: _____

(*) Neutral Grounding Resistor (If Applicable):

Synchronous Generators:

Direct Axis Synchronous Reactance, Xd:	P.U.
Direct Axis Transient Reactance, X' d:	P.U.
Direct Axis Subtransient Reactance, X" d:	P.U.
Negative Sequence Reactance, X ₂ :	P.U.
Zero Sequence Reactance, Xo:	P.U.
KVA Base:	
Field Volts:	

Field Amperes: _____

Induction	Generators:

Motoring Power (kW): I₂ ₂t or K (Heating Time Constant): Rotor Resistance, Rr:

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Stator Resistance, Rs:	
Stator Reactance, Xs:	
Rotor Reactance, Xr:	
Magnetizing Reactance, Xm:	
Short Circuit Reactance, Xd":	
Exciting Current:	
Temperature Rise:	
Frame Size:	
Design Letter:	
Reactive Power Required In Vars (No Loa	ud):
Reactive Power Required In Vars (Full Lo	ad):
Total Rotating Inertia, H:	Per Unit on kVA Base

Note: Please contact the Member prior to submitting the Interconnection Request to determine if the specified information above is required.

Excitation and Governor System Data for Synchronous Generators Only:

Provide appropriate IEEE model block diagram of excitation system, governor system and power system stabilizer (PSS) in accordance with the regional reliability council criteria. A PSS may be determined to be required by applicable studies. A copy of the manufacturer's block diagram may not be substituted.

Interconnection Facilities Information

Will a transformer be used between the generator and the point of common coupling? __Yes ___No

Will the transformer be provided by the Interconnection Customer? _____Yes _____No

Transformer Data (If Applicable, for Interconnection Customer-Owned Transformer):

Is the transformer: _____ single phase _____ three phase? Size: ______ kVA Transformer Impedance: _____ % on _____ kVA Base

If Three Phase:

Transformer Primary:	Volts	_ Delta	_Wye	_ Wye Grounded
Transformer Secondary:	Volts	_ Delta	_Wye	_ Wye Grounded
Transformer Tertiary:	Volts	_ Delta	Wye	Wye Grounded
			PUBL	KENTUCKY IC SERVICE COMMISSION
Transformer Fuse Data (If Ap	pplicable, for interc	onnection Ci	istomer-Ov	Talina R. Mathews
		6 1. I.T.		EXECUTIVE DIRECTOR
(Attach copy of fuse manufacturer's Minimum Melt and Tota			I Clearing	T Jalina R. Mathews Ves)
Manufacturer:	Type:		Size:	EPERONIE
				9/22/2016
	3	33	PURSU.	ANT TO 807 KAR 5:011 SECTION 9 (1)
	0			

Interconnecting Circuit Breaker (if applicable):

Manufacturer: _____ Type: _____

Load Rating (Amps): _____ Interrupting Rating (Amps): _____ Trip Speed (Cycles): _____

Interconnection Protective Relays (If Applicable):

If Microprocessor-Controlled:

List of Functions and Adjustable Setpoints for the protective equipment or software:

	Setpoint Function	Minimum	Maximum
1			
2. <u> </u>			
4			
5			
6.			

If Discrete Components:

(Enclose Copy of any Proposed Time-Overcurrent Coordination Curves)

Manufacturer: Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer: Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer: Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer: Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer: Type:	Style/Catalog No.:	Proposed Setting:

Current Transformer Data (If Applicable):

(Enclose Copy of Manufacturer's Excitation and Ratio Correction Curves)

Manufacturer:		
Туре:	_ Accuracy Class:	Proposed Ratio Connection:
Manufacturer:		
Туре:	_ Accuracy Class:	Proposed Ratio Connection: KENTUCKY
Potential Transformer Data (If	Applicable).	ENTUCKY PUBLIC SERVICE COMMISSION
Potential Transformer Data (If Applicable):		Talina R. Mathews EXECUTIVE DIRECTOR
Manufacturer:		l.a. P. H.H
Туре:	_ Accuracy Class:	Froposed Ratio Connection.
		EFFECTIVE
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Manufacturer:			
Туре:	Accuracy Class:	Proposed Ratio Connection:	

General Information

Enclose copy of site electrical one-line diagram showing the configuration of all Small Generating Facility equipment, current and potential circuits, and protection and control schemes. This one-line diagram must be signed and stamped by a licensed Professional Engineer if the Small Generating Facility is larger than 50 kW. Is One-Line Diagram Enclosed?

____Yes ____No

Enclose copy of any site documentation that indicates the precise physical location of the proposed Small Generating Facility (e.g., USGS topographic map or other diagram or documentation). Proposed location of protective interface equipment on property (include address if different from the Interconnection Customer's address)

Enclose copy of any site documentation that describes and details the operation of the protection and control schemes.

Is Available Documentation Enclosed? ____Yes ____No

Enclose copies of schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits (if applicable).

Are Schematic Drawings Enclosed? __Yes ____No

Applicant Signature

I hereby certify that, to the best of my knowledge, all the information provided in this Interconnection Request is true and correct.

For Interconnection Customer:	Dotor	
	KENTUCKY PUBLIC SERVICE COMMISSION	
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	Jalina R. Mathews	
	EFFECTIVE	
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Certification of Small Generator Equipment Packages

- 1.0 Small Generating Facility equipment proposed for use separately or packaged with other equipment in an interconnection system shall be considered certified for interconnected operation if (1) it has been tested in accordance with industry standards for continuous utility interactive operation in compliance with the appropriate codes and standards referenced below by any Nationally Recognized Testing Laboratory (NRTL) recognized by the United States Occupational Safety and Health Administration to test and certify interconnection equipment pursuant to the relevant codes and standards listed in SGIP Attachment 3, (2) it has been labeled and is publicly listed by such NRTL at the time of the interconnection application, and (3) such NRTL makes readily available for verification all test standards and procedures it utilized in performing such equipment certification, and, with consumer approval, the test data itself. The NRTL may make such information available on its website and by encouraging such information to be included in the manufacturer's literature accompanying the equipment.
- 2.0 The Interconnection Customer must verify that the intended use of the equipment falls within the use or uses for which the equipment was tested, labeled, and listed by the NRTL.
- 3.0 Certified equipment shall not require further type-test review, testing, or additional equipment to meet the requirements of this interconnection procedure; however, nothing herein shall preclude the need for an on-site commissioning test by the parties to the interconnection nor follow-up production testing by the NRTL.
- 4.0 If the certified equipment package includes only interface components (switchgear, inverters, or other interface devices), then an Interconnection Customer must show that the generator or other electric source being utilized with the equipment package is compatible with the equipment package and is consistent with the testing and listing specified for this type of interconnection equipment.
- 5.0 Provided the generator or electric source, when combined with the equipment package, is within the range of capabilities for which it was tested by the NRTL, and does not violate the interface components' labeling and listing performed by the NRTL, no further design review, testing or additional equipment on the customer side of the point of common coupling shall be required to meet the requirements of this interconnection procedure.
- 6.0 An equipment package does not include equipment provided by the utility.
- 7.0 Any equipment package approved and listed in a state by that state's regulatory body for interconnected operation in that state prior to the effective date of the service contractory interconnection procedures shall be considered certified under these procedures for use in that state.

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Data to Be Provided by the Interconnection Customer with the Facilities Study Agreement

Provide location plan and simplified one-line diagram of the plant and station facilities. For staged projects, please indicate future generation, distribution circuits, etc.

On the one-line diagram, indicate the generation capacity attached at each metering location. (Maximum load on CT/PT)

On the one-line diagram, indicate the location of auxiliary power. (Minimum load on CT/PT) Amps

One set of metering is required for each generation connection to the new ring bus or existing Member station. Number of generation connections: _____

Will an alternate source of auxiliary power be available during CT/PT maintenance? Yes _____ No _____

Will a transfer bus on the generation side of the metering require that each meter set be designed for the total plant generation? Yes _____ No _____ (Please indicate on the one-line diagram).

What type of control system or PLC will be located at the Small Generating Facility?

What protocol does the control system or PLC use?

Please provide a 7.5-minute quadrangle map of the site. Indicate the plant, station, distribution line, and property lines.

Physical dimensions of the proposed interconnection station:

Des landt former and in the internetion station	KENTUCKY PUBLIC SERVICE COMMISSION
Bus length from generation to interconnection station:	Talina R. Mathews EXECUTIVE DIRECTOR
	Jalina R. Mathews
Line length from interconnection station to Member's Distrib	
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Tower number observed in the field. (Painted on tower leg)*:

Number of third party easements required for distribution lines*:

* To be completed in coordination with Member.

Is the Small Generating Facility located in Member's service area?

Yes _____ No _____

If No, please provide name of local provider:

Please provide the following proposed schedule dates:

Begin Construction Date: _____

Generator step-up transformers receive back feed power Date:

Generation Testing Date: _____

Commercial Operation Date: _____

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Schedule C – Power Purchase Rates

- I. Initial Rates
 - A. Capacity must be based upon EKPC's non-dispatchable rate
 - B. Energy must be at either EKPC's time differentiated rate or its non-time differentiated rate.
- II. Subsequent Rate Changes

Upon the one year anniversary date of the Authorization Date of the Agreement, and on each anniversary date thereafter, the rates for Capacity and Energy set forth above shall be reset based upon the rates set forth in EKPC's Cogeneration and Small Power Production Power Purchase Rate Schedule Under 100 kW as it is then in effect on each such anniversary date that the Agreement remains in effect.

Schedule D Members Applicable Tariff

See FMRECC tariff for this facility,

KENTUCKY PUBLIC SERVICE COMMISSION
Talina R. Mathews EXECUTIVE DIRECTOR Jalina R. Mathema
EFFECTIVE

9/22/2016 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

Schedule E- Interconnection Service Charges

I. Monthly Interconnection Service Charge

NOT APPLICABLE

II. Distribution Cooperative Transmission Service Charges

Member charges for providing transmission service shall be recovered in accordance with Section 6.06 of the Interconnection Manual and Attachment 6 thereto.

NOT APPLICABLE