GARKANE ENERGY COOPERATIVE INTERCONNECTION MANUAL

AP 2024

TABLE OF CONTENTS

INTERCONNECTION INSTRUCTIONS

An Interconnection Customer who requests a Level 1, 2, or 3 Interconnection Review must submit an Interconnection Request on Garkane's standard forms by hand delivery, mail, e-mail, or fax to GEC designated contact. Interconnection Requests will be administered by Garkane in general accordance with Utah Administrative Code, Rule R746-312, Electrical Interconnection. Applicants should familiarize themselves with Rule R746-312 prior to preparing and submitting an Interconnection Request.

When used in this manual, with capitalization, the terms specified shall have the meanings indicated or the meanings specified in the Utah Administrative Code, Rule R746-312, Electrical Interconnection rule.

GARKANES INTERCONNECTIONS REQUEST DESIGNATED CONTACT

Designated Contact Person: Bryant Shakespear P.E.

Address (U.S. Mail Deliveries):

Attn. Bryant Shakespear
Garkane Energy Cooperative
1802 S Highway 89A
Kanab, UT 84741

Telephone Number: (435) 644-5026

E-Mail Address: bryant.shakespear@garkane.com

AVAIABILITY OF POLICIES AND STANDARD FORMS

Garkane maintains its Interconnection Manuals, Interconnection Request Application and Standard Forms on it's website https://www.garkaneenergy.com/ in the Interconnection Application menu item of the SERVICE APPLICATIONS tab of the page ribbon. Alternatively, if a customer is unable to access the documents on the internet, Garkane will provide copies when requested for pickup or by email within 3 business days of receipt of request. Within 15 business days of receipt of request, Garkane will make reasonable accommodation to meet with a customer for an interconnection review, to assist them in preparation of an Interconnection Application.

REQUIRED INTERCONNECTION REQUEST INFORMATION AND FORMAT

An Interconnection Request is considered complete when it provides all applicable and correct information required below. The interconnection customer must submit for each interconnection request, all associated forms and agreements on the public utility's standard forms and standard form agreements.

1. At a minimum an Interconnection Request shall include the following information to be considered complete:
    a. the name of the applicant and basic customer information;
    b. the type, size, and specifications of the generating facility;
    c. the level of interconnection review sought, e.g., Level 1, Level 2, or Level 3;
    d. the generating facility installer: i.e., for contractor installations, the name of the appropriately licensed contractor, or for self-installations, the name of the homeowner or business;
    e. equipment and/or system certifications;
    f. the anticipated date the generating facility will be operational;
    g. evidence of site control; and/or
    h. other information identified that the Garkane deems is necessary to conduct an evaluation as to whether a generating facility can be safely and reliably connected to the Garkane's electric distribution system in compliance with Utah's Interconnection Rule, Good Utility Practice and Garkane's engineering and operational standards.
2. Each interconnect request submitted must be accompanied by the required processing fee.

An Interconnection Customer shall retain its original Queue Position for an Interconnection Request if the applicant resubmits its application at a higher level of review within 30 business days of denial of the application at a lower level of review.

Any modification to machine data or equipment configuration or to the interconnection site of the generating facility not agreed to in writing by the public utility and the interconnection customer may be deemed a withdrawal of the interconnection request and may require submission of a new interconnection request unless proper notification to each party by the other and a reasonable time to cure the problems created by the changes are undertaken.

NON-DISCLOSURE AND CONFIDENTIAL INFORMATION

Each party receiving confidential information shall hold such information in confidence and shall not disclose it to any third party nor to the public without prior written authorization from the party providing that information, except to fulfill obligations under this rule, or to fulfill legal or regulatory requirements. Each party shall employ at least the same standard of care to protect confidential information obtained from the other party as it employs to protect its own confidential information. For certain information requests and studies Garkane will require the applicant to enter into a formal Non-Disclosure Agreement prior to sharing sensitive system information.

PROCESSING FEE AND STUDY DEPOSITS

Interconnection Request submission should be accompanied by the appropriate fee for the level of Interconnection Review requested. The amounts required are provided in the Fee & Deposit Matrix table below. Fees are used to cover the cost to study an Interconnection Request. Additional deposits will be required prior to Garkane conducting any Feasibility or System Impact or Facilities study for a Level 3 Interconnection Request. Execution of study agreements and payment of study deposits are required before work on studies will begin.

Fee & Deposit Matrix:

Level 1 Engineering Review & System Commissioning Fees	$200 non-refundable Engineering Review Fee, $300 non-refundable System Commissioning Fee
Level 2 Application & Study Fee	$200 plus $1.00 per kilowatt of facility capacity non-refundable
Level 3 Application & Study Fee	$2000 plus $0.50 per kilowatt of facility capacity non-refundable non-refundable
Feasibility Study Deposit	Based on 3rd Party Engineering Feasibility Study Proposal & Estimated Garkane staff time spent on project study billable rates.
System Impact Deposit	Based on 3rd Party Engineering System Impact Study Proposal & Estimated Garkane staff time spent on project study at billable rates.
Facilities Deposit	Based on 3rd Party Engineering Facilities Study Proposal & Estimated Garkane staff time spent on project study at billable rates.
Supplemental Review Deposit	Based on 3rd Party Engineering Supplemental Review Proposal & Estimated Garkane staff time spent on project study at billable rates.

Note: As a certificated Distribution Electrical Cooperative the rates charged for the study of the Interconnection Requests are set by the Garkane's Governing Authority.

Any deposit funds left remaining after completion of a study will be refunded back to the applicant at its completion. If a balance of funds is owed Garkane due to time spent on the project or additional study items required, the funds will be paid by the customer to Garkane before the results of the study will be provided. A summary of Garkane staff and contractor time will be provided to the interconnection customer at the completion of any study.

GARKANE ENERGY COOPERATIVE PURPA REGULATORY STANDING

Garkane Energy Cooperative Inc (GEC) is a certificated Distribution Electrical Cooperative serving south central Utah and northern Arizona. GEC is regulated pursuant to the rules of the Utah Public Services Commission and the Arizona Corporation Commission for Distribution Electrical Cooperatives. In Utah the Governing Authority of GEC is its board of directors as prescribed by Utah Administrative Code, Rule R746-312, Electrical Interconnection rule. In Arizona the Governing Authority is the Arizona Corporation Commission.

GEC is a member of Deseret Power Electrical Cooperative (Deseret Power). Deseret Power provides Garkane with generation and transmission services in accordance with the terms of an All Requirements Contract. Deseret Power also administers a Joint PURPA Implementation Plan for

Garkane's obligations under Section 210 of the Public Utility Regulatory Policies Act. On behalf of itself and GEC, Deseret Power will be the purchaser of capacity and energy from Interconnection Customers. The rate of purchase will be equal to Deseret Power avoided costs taking account of relevant cost-related characteristics of the Generating Facility and the location where such capacity and energy are delivered.

An Interconnection Customers shall pay all costs associated with the purchase, construction and commissioning of all Interconnection Facilities, and any Affected Systems. The scope of the Interconnection Facilities and Affected Systems shall be determined by means of the approved Study Process.

GEC is registered with the Western Electricity Coordinating Council (WECC) and the North American Electric Reliability Cooperation (NERC) as a Distribution Provider. GEC is not a certificated Transmission Service Provider. Interconnection Requests made to Garkane should be confined to Network Resource projects.

INTERCONNECTION REQUESTS AND POWER PURCASE AGREEMENTS

Interconnection Requests for interconnection to Garkane owned facilities will be administered by Garkane as described in this manual pursuant to Utah, Electrical Interconnection Rule R746-312. As administer of a Joint PURPA Implementation Plan for Garkane, Deseret Power will be the purchaser of capacity and energy from Interconnection Customers for the reasons described in the previous section. When an Interconnection Request is made, Garkane will provide Deseret Power with copies of the application documents and facilitate an initial meeting between the parties. Once this is done Deseret Power will be responsible to work with Interconnection Customers directly to provide the terms of a purchase agreement. Deseret Power and the Interconnection Customer will be the contractual entities entering into the purchase agreement. The rate of purchase will be equal to Deseret Power avoided costs taking account of relevant cost-related characteristics of the Generating Facility and the location where such capacity and energy are delivered.

INTERCONNECTION METERING

For generating facilities not subject to the provisions of Net Metering statutes, the interconnection customer shall be responsible for the cost of the purchase and installation of any special metering and data acquisition equipment deemed necessary by the terms of the interconnection agreement and Deseret Power purchase agreement. Garkane must install, maintain, and operate the metering equipment. All parties must mutually grant unrestricted access to such equipment as may be necessary for the purposes of conducting routine business.

INTERCONNECTION REVIEW LEVELS

Based on a projects name plate generation capacity and the operating characteristics of the generating facility one of three review processes will be used to study an interconnection request. Applicants must specify the level of Interconnection Review sought: eg., Level 1, Level 2, or Level 3. The review levels as they are defined by statute are:

Level 1 Interconnection Review

Level 1 Interconnection Review means an interconnection review process applicable to an inverter-based facility having a generation capacity of 25 kilowatts or less.

Level 2 Interconnection Review

Level 2 Interconnection Review means an interconnection review process applicable to a facility having a generation capacity of 2 megawatts or less and that does not qualify for or fails to meet Level 1 interconnection review requirements.

Level 3 Interconnection Review

Level 3 Interconnection Review means an interconnection review process applicable to a facility having a generation capacity of greater than 2 megawatts but no larger than 20 megawatts, or the generating facility is not certified, or the generating facility does not qualify for or fails to meet Level 1 or Level 2 interconnection review requirements.

LEVEL 1 AND 2 INTERCONNECTION REVIEW SCREENS & PROCESS

Note: Most if not all the remaining portion of this manual is the text taken directly from Utah Rule R746-312. In most cases where the phrase "Public Utility" is used it may be interpreted for the purposes of Garkane's Interconnection Manual to mean Garkane Energy Cooperative.

LEVEL 1 AND 2 REVIEW SCREENS

As prescribe by the statute:

1. Garkane shall perform its review of Level 1 and Level 2 interconnection requests using the screens set forth below as applicable.

    a. A generating facility's point of common coupling must be on a portion of the Garkane's distribution system and not be on a transmission line.

    b. For interconnection of a proposed generating facility to a radial distribution circuit, the aggregate generation on the distribution circuit, including the proposed generating facility, must not exceed 15 percent of the distribution circuit's total highest annual peak load, as measured at the substation. For the purposes of this subsection, annual peak load will be based on measurements taken over the 60 months previous to the submittal of the application, measured for the circuit at the nearest applicable substation.

    c. The proposed generating facility, in aggregation with other generation on the distribution circuit to which the proposed generating facility will interconnect, must not contribute more than 10 percent to the distribution circuit's maximum fault current at the point on the high voltage (primary) level nearest the proposed point of common coupling.

    d. If the proposed generating facility is to be connected to a single-phase shared secondary, the aggregate generation capacity connected to the shared secondary, including the proposed generating facility, must not exceed 20 kilowatts.

    e. If a proposed single-phase generating facility is to be connected to a transformer center tap neutral of a 240 volt service, the addition of the proposed generating facility must not create a current imbalance between the two sides of the 240 volt service of more than 20 percent of nameplate rating of the service transformer.

f. No construction of facilities by the public utility on its own system shall be required to accommodate the generating facility. Generator must have a maximum output of less than 10% of the nearest source side primary voltage protective device and must be less than 80% of the installed transformer capacity at the Primary Service.

g. The aggregate generation capacity on the distribution circuit to which the proposed generating facility will interconnect, including the capacity of the proposed generating facility, must not cause any distribution protective equipment (including, but not limited to, substation breakers, fuse cutouts, and line reclosers), or customer equipment on the electric distribution system, to exceed 90 percent of the short circuit interrupting capability of the equipment. In addition, a proposed generating facility must not be connected to a circuit that already exceeds 90 percent of the circuit's short circuit interrupting capability, prior to interconnection of the facility.

h. Interconnection Type Screen:

    i. For a proposed generating facility connecting to a three-phase, three wire primary public utility distribution line, a three-phase or single-phase generator must be connected phase-to-phase.

    ii. For a proposed generating facility connecting to three-phase, four wire primary public utility distribution line, a three-phase or single-phase generator must be connected line-to-neutral and must be effectively grounded.

i. If there are known or posted transient stability limitations to generating units located in the general electrical vicinity of the proposed point of common coupling, including, but not limited to within three or four transmission voltage level busses, the aggregate generation capacity, including the proposed generating facility, connected to the distribution low voltage side of the substation transformer feeding the distribution circuit containing the point of common coupling may not exceed 10 megawatts.

j. If a proposed generating facility's point of common coupling is on a spot network, the proposed generating facility must utilize an inverter-based equipment package and, together with the aggregated other inverter-based

generation must not exceed the smaller of five percent of a spot network's maximum load or 50 kilowatts.

LEVEL 1 INTERCONNECTION REVIEW PROCESS

As prescribed by Utah R746-312, Level 1 Interconnection reviews will in general form follow this process and schedule unless both the applicant and Garkane agree otherwise in a written agreement.

1. A generating facility that meets the following criteria is eligible for Level 1 interconnection review process and timeline,
    a. the facility is inverter based
    b. and has a nameplate capacity of 25 kW or less.
2. Garkane will to the best of its ability based on available staff and resources process, evaluate, and approve, if appropriate, all Level 1 interconnection requests according to this process.
    a. Garkane will date and time stamp each interconnection request on the day it was received.
    b. Within three business days after receipt, the public utility shall acknowledge to the interconnection customer receipt of the interconnection request.
    c. Within 10 business days after receipt, the public utility shall evaluate the interconnection request and notify the interconnection customer whether the interconnection request is complete.
        i. If the interconnection request is not complete the public utility must provide a list detailing all information that must be provided to complete the application.
        ii. Within 10 business days of receipt of this notification, the interconnection customer must submit the missing information to the public utility or request an extension of time to provide such information. If the interconnection customer does not provide the listed information or request an extension of time within the 10-business day deadline, the interconnection request shall be deemed withdrawn.

d. Within 15 business days after issuing a notification of completeness, the public utility shall verify, using screens set forth in Section R746-312-7, whether or not the proposed generating facility can be interconnected safely and reliably, and shall notify the interconnection customer that either:

    i. the generating facility meets all applicable criteria and the interconnection request is approved; or

    ii. the generation facility has failed to meet one or more of the applicable criteria, the reason for the failure, and the interconnection request is denied under the Level 1 interconnection process. If the interconnection request is denied the interconnection customer may resubmit the application under the Level 2 or Level 3 interconnection review procedure, as appropriate.

e. Either along with or within five business days after notifying the interconnection customer that the interconnection request has been approved, a public utility must provide the procedures, requirements, and associated forms, including any required standard form interconnection agreement, for final authorization of the interconnection, as determined applicable by the public utility. These procedures and requirements may include:

    i. completion of any required inspection of the generating facility by the building code official with jurisdiction over the generating facility and transmittal to the public utility of appropriate documentation;

    ii. transmittal to the public utility of any required notice of completion, notice of start-up, and/or interconnection agreement;

    iii. installation of any required meter modification by the public utility;

    iv. completion of any required inspection of the generation facility prior to operation by the public utility; and/or

    v. the requirement that the applicant may not begin parallel operations of the generating facility until receipt of a final approval or authorization of interconnection.

f. The customer and the public utility may mutually agree to terms that vary from the standard form interconnection agreement, but such non-standard agreement shall be subject to commission approval.

3. An interconnection customer must notify the public utility of the anticipated start date for operation of the generating facility at least ten business days prior to starting operation, either through the submittal of the interconnection agreement, a notice of completion, or in a separate notice.

4. Within 10 business days of receipt of all required documentation (e.g., executed interconnection agreement, notice of completion, and/or documentation of satisfactory completion of inspections by non-company personnel), the public utility must, if it has not already done so, conduct any company-required inspection or witness test, set the new meter, if required, approve the interconnection, and provide written notification to the interconnection customer of the final interconnection authorization/approval indicating the generating facility is authorized/approved for parallel operation. If the public utility does not conduct the witness test within 10 business days or by mutual agreement with the interconnection customer, the witness test is deemed waived.

5. Witness Test Not Acceptable. If the witness test is conducted and is not acceptable to the public utility, the interconnection customer must be granted a period of 30 business days to resolve any deficiencies. The public utility and interconnection customer may mutually agree to extend the time period for resolving any deficiencies. If the interconnection customer fails to address and resolve the deficiencies to the satisfaction of the public utility within the agreed upon time, the interconnection request is deemed withdrawn.

LEVEL 2 INTERCONNECTION REVIEW PROCESS

As prescribed by Utah R746-312, Level 1 Interconnection reviews will in general form follow this process and schedule unless both the applicant and Garkane agree otherwise in a written agreement.

1. A generating facility that meets the following criteria is eligible for Level 2 interconnection review by a public utility:

    a. the generating facility has a capacity of two megawatts or less: and

    b. the generating facility does not qualify for or fails to meet applicable Level 1 interconnection review procedures.

2. A public utility must process, evaluate, and approve, if so determined, all Level 2 requests for interconnection according to the following steps.

    a. The public utility shall date, and time stamp each interconnection request on the day it was received by the public utility.

    b. Within three business days after receipt of an interconnection request, the public utility shall acknowledge to the interconnection customer receipt of the interconnection request.

    c. Within 10 business days after receipt of an interconnection request, the public utility shall evaluate the interconnection request and notify the interconnection customer whether or not the interconnection request is complete.

        i. If the interconnection request is not complete the public utility must provide a list detailing all information that must be provided to complete the application.

        ii. Within 10 business days of receipt of this notification, the interconnection customer must submit the missing information to the public utility or request an extension of time to provide such information. If the interconnection customer does not provide the listed information or request an extension of time within the 10-business day deadline, the interconnection request shall be deemed withdrawn.

        iii. An interconnection request shall be deemed complete upon submission of the listed information.

    d. Within 15 business days after issuing a notification of completeness, the public utility shall verify, using the screens set forth in Section R746-312-7, whether or not the proposed generating facility can be interconnected safely and reliably, and shall notify the interconnection customer that either:

        i. the generation facility meets all applicable criteria and the interconnection request is approved;

        ii. although the generating facility fails one or more of the screens, the public utility has determined that the generating facility may nevertheless be interconnected consistent with safety, reliability, and power quality standards and the interconnection request is approved; or

iii. the generation facility has failed to meet one or more of the screens and the reason for the failure(s), the public utility has not or could not determine from the initial reviews that the generating facility may be interconnected consistent with safety, reliability, and power quality standards, or the generating facility cannot be approved without minor modifications at minimal cost and the interconnection request is denied unless the interconnection customer is willing to consider minor modifications or further study.

e. If the interconnection request is denied, the public utility:

i. must offer to provide the interconnection customer with the opportunity to attend an optional customer options meeting to be convened within 10 business days of the notification of denial to discuss the options available under Subsection R746-312-9(2)(e)(ii).

A. During the customer options meeting the public utility shall review possible interconnection customer facility modification or screen analysis and related results to determine what further steps are needed to permit the generating facility to be connected safely and reliably.

ii. shall either at the time of the notification specified in Subsection R746-312-9(2)(d)(iii), or at the customer options meeting:

A. offer to complete minor modifications to the public utility's distribution system and provide a non-binding good faith estimate of the cost and timeframe to make such modifications. If the interconnection customer agrees to such modifications, the interconnection customer shall agree in writing within 15 business days of the offer and submit payment for the estimated costs. The interconnection customer must pay any cost that exceeds the estimated costs within 30 calendar days of receipt of the invoice. If the costs to complete the modifications are less than the estimated costs, the public utility shall return such excess within 30 calendar days of the issuance of the invoice without interest;

B. offer to perform a supplemental review in accordance with Subsection R746-312-9(3) if the public utility concludes that the supplemental review might determine that the generating facility could continue to qualify for interconnection pursuant to the Level 2 process, and provide a non-binding good faith estimate of the costs of such review; or

C. (C) obtain the interconnection customer's agreement to continue evaluating the interconnection request under the Level 3 process.

f. Either along with or within five business days after notifying the interconnection customer that the interconnection request has been approved, a public utility shall provide the procedures, requirements, and associated forms, including any required standard form interconnection agreement, for final authorization of the interconnection, as determined applicable by the public utility. These procedures and requirements may include:

i. an inspection of the generating facility by the building code official with jurisdiction over the generating facility and transmittal to the public utility of appropriate documentation;

ii. transmittal to the public utility of any required notice of completion, notice of start-up, and/or interconnection agreement;

iii. installation of any required meter modification by the public utility;

iv. completion of any required inspection of the generation facility prior to operation by the public utility; and/or

v. the requirement that the applicant may not begin parallel operations of the generating facility until receipt of a final approval or authorization of interconnection.

g. The customer and the public utility may mutually agree to terms that vary from the standard form interconnection agreement, but such non-standard agreement shall be subject to commission approval.

3. Supplemental Review:

a. If the interconnection customer agrees to a supplemental review, the interconnection customer shall agree in writing within 15 business days of the

offer and submit a deposit of the estimated costs. The interconnection customer must pay any supplemental review deposit and any costs that exceed the deposit within 30 calendar days of receipt of the invoice but such payment responsibility shall be limited to and not exceed 125 percent of the public utility's non-binding good faith estimate for such review. If the deposit exceeds the invoiced costs, the public utility shall return such excess within 30 calendar days of the invoice without interest.

b. Within 10 business days following receipt of the supplemental report for supplemental review, the public utility must determine whether the generating facility can or cannot be interconnected safely and reliably and shall notify the interconnection customer that either:

    i. the generation facility can be safely and reliably interconnected, and the interconnection request is approved, and the public utility shall proceed according to Subsection R746-312-9(2)(f);

    ii. interconnection customer facility modifications are required to allow the generating facility to be interconnected consistent with safety, reliability, and power quality standards. Upon receipt of written confirmation that the interconnection customer agrees to make the necessary changes at the interconnection customer's expense, the public utility shall approve the interconnection request and proceed according to Subsection R746-312-9(2)(f);

    iii. minor modification to the public utility's distribution system are required to allow the generating facility to be interconnected consistent with safety, reliability, and power quality standards. After confirmation that the interconnection customer agrees to pay the costs of such system modifications prior to interconnection, the public utility shall approve the interconnection request and proceed according to Subsection R746-312-9(2)(f);

    iv. the results of the supplemental review have not concluded that the generating facility can be interconnected consistent with safety, reliability, and power quality standards and, upon agreement by the

interconnection customer, the interconnection request will continue to be evaluated under the Level 3 interconnection review process.

4. An interconnection customer must notify the public utility of the anticipated testing and inspection date for the generating facility at least ten business days prior to testing, either through the submittal of the interconnection agreement, a notice of completion, or in a separate notice.

5. Within 10 business days of receipt of all required documentation (e.g., executed interconnection agreement, notice of completion, and/or documentation of satisfactory completion of inspections by non-company personnel), the public utility must, if it has not already done so, conduct any company-required inspection, set the new meter, if required, approve the interconnection, and provide written notification to the interconnection customer of the final interconnection authorization/approval and that the generating facility is authorized/approved for parallel operation. If the public utility does not conduct the witness test within 10 business days or by mutual agreement of the public utility and the interconnection customer, the witness test is deemed waived.

6. If an application for Level 2 interconnection review is denied because it does not meet one or more of the requirements in this section, the applicant may resubmit the application under the Level 3 interconnection review procedure.

7. Witness Test Not Acceptable. If the witness test is conducted and is not acceptable to the public utility, the interconnection customer must be granted a period of 45 business days to resolve any deficiencies. The public utility and the interconnection customer may mutually agree to extend the time period for resolving any deficiencies. If the interconnection customer fails to address and resolve the deficiencies to the satisfaction of the public utility within the agreed upon time period, the interconnection request is deemed withdrawn.

LEVEL 3 INTERCONNECTION REVIEW PROCESS

LEVEL 3 INTERCONNECTION REVIEW

As prescribe by the statute:

1) A generating facility that meets the following criteria is eligible for Level 3 interconnection review:

a) the generating facility has a capacity of greater than two megawatts but no larger than 20 megawatts;

b) the generating facility is not certified; or

c) the generating facility does not qualify for or failed to meet Level 1 or Level 2 interconnection review requirements.

2) A public utility must process, evaluate, and approve, if appropriate, all Level 3 requests for interconnection according to the following steps unless the public utility has received approval from the commission for an alternate Level 3 interconnection review method:

a) The public utility shall date, and time stamp each interconnection request on the day it was received by the public utility.

b) Within three business days after receipt of an interconnection request, the public utility shall acknowledge to the interconnection customer receipt of the interconnection request.

c) Within 10 business days after receipt of an interconnection request, the public utility shall evaluate the interconnection request and notify the interconnection customer whether or not the interconnection request is complete.

i) If the interconnection request is not complete the public utility must provide a list detailing all information that must be provided to complete the application.

ii) Within 10 business days of receipt of this notification, the interconnection customer must submit the missing information to the public utility or request an extension of time to provide such information. If the interconnection customer does not provide the listed information or request an extension of time within the 10 business-day deadline, the interconnection request shall be deemed withdrawn.

iii) An interconnection request shall be deemed complete upon submission of the listed information.

d) Scoping Meeting. If requested, a scoping meeting shall be held as follows within 10 business days after the interconnection request is deemed complete, or as otherwise mutually agreed to by the parties:

i) The public utility and the interconnection customer shall bring to the meeting personnel, including system engineers and other resources as may be reasonably required to accomplish the purpose of the meeting;

ii) The purpose of the scoping meeting is to:

A. discuss the interconnection request and review existing studies relevant to the interconnection request; and

B. discuss whether the public utility should perform a feasibility study or proceed directly to a system impact study, a facilities study, or an interconnection agreement;

iii) Scoping meeting follow-up:

A. If the parties **agree** that a feasibility study should be performed, the public utility shall provide the interconnection customer as soon as possible, but no later than five business days after the scoping meeting, a feasibility study agreement including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the study.

B. If the parties **agree** not to perform a feasibility study but rather proceed directly to the system impact study, the public utility shall, no later than five business days after the scoping meeting, provide the interconnection customer with a system impact study agreement including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the study.

iv) The scoping meeting may be omitted by mutual agreement. If the scoping meeting is omitted, the public utility, if requested by the interconnection customer, must provide information pertinent to the interconnection request, such as the available fault current at the proposed interconnection location, the peak loading on the lines in the general vicinity of the generating facility, and the configuration of the distribution lines at the proposed point of common coupling, within 10 business days after the interconnection request is deemed complete.

e) Feasibility Study. A feasibility study shall provide a preliminary evaluation of the system impact that would result from interconnecting the generating facility and the cost of interconnecting the generating facility to the public utility's electric distribution system and shall be completed as follows:

i) For interconnection customers opting to forego a scoping meeting and proceeding directly to the feasibility study, the public utility shall provide the interconnection customer, as soon as possible but no later than 10 business days after receipt of a

completed application, a standard form feasibility study agreement including an outline of the scope of the study, a good faith estimate the cost to perform the study and documentation of the required feasibility study deposit to start work on the study.

ii) In order to remain in consideration for interconnection, an interconnection customer who has requested or requires a feasibility study, either as part of or independent of a scoping meeting, must return the executed feasibility study agreement and feasibility study deposit within 30 business days of receipt.

iii) Within 30 business days of receipt of an executed study agreement and payment of any required deposit, the public utility shall conduct the feasibility study and notify the interconnection customer either:

A. the feasibility study shows no potential for adverse system impacts, no facilities are required, and the interconnection request is approved, in which case the public utility shall send the interconnection customer an executable interconnection agreement within five business days;

B. the feasibility study shows no potential for adverse system impacts however additional facilities may be required and the review process shall proceed to a facilities study. When proceeding to a facilities study, the public utility shall provide the interconnection customer a standard form facilities study agreement, including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the study within five business days; or

C. the feasibility study shows the potential for adverse system impacts, and the review process shall proceed to a system impact study. When proceeding to a system impact study, the public utility shall provide the interconnection customer with a standard form system impact study agreement including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the study within 15 business days of transmittal of the feasibility study report.

iv) Any study fees will be invoiced to the interconnection customer after the feasibility study is completed and delivered and will include a summary of professional time. The interconnection customer must pay any study costs that exceed the deposit without interest within 30 calendar days of receipt of the invoice or resolution of any dispute but such payment responsibility shall be limited to and not exceed 125 percent of the public utility's non-binding good faith estimate for such study. If the

deposit exceeds the invoiced fees, the public utility shall refund such excess within 30 calendar days of the invoice without interest.

f) System Impact Study. Any required system impact study (or studies) must be conducted in accordance with good utility practice and shall be completed as follows:

i) The system impact study shall:

A. provide details on the impacts to the electric distribution system that would result if the generating facility were interconnected without modifications to either the generating facility or to the electric distribution system;

B. identify any modifications to the public utility's electric distribution system necessary to accommodate the proposed interconnection;

C. focus on power flows and utility protective devices, including control requirements; and

D. include the following elements, as applicable:

I. a load flow study;

II. a short-circuit study;

III. a circuit protection and coordination study;

IV. the impact on the operation of the electric distribution system;

V. a stability study, along with the conditions that would justify including this element in the impact study;

VI. a voltage collapse study, along with the conditions that would justify including this element in the impact study; and

VII. additional elements, if justified by the public utility and approved in writing by the public utility and the interconnection customer prior to the impact study.

ii) In order to remain in consideration for interconnection, an interconnection customer who has requested a system impact study, either as part of or independent of a scoping meeting or feasibility study, must return the executed impact study agreement(s) within 30 business days of receipt of the agreement and study deposit.

iii) After the applicant executes the system impact study agreement and pays the required deposit, the public utility shall complete the impact study and distribute the results to the interconnection customer within 30 business days or 45 business days for transmission impact studies, notifying the interconnection customer either:

A. Only minor modifications to the public utility's electric distribution and/or transmission system are necessary to accommodate interconnection. In such a case, the public utility must:

I. provide to the interconnection customer at the same time the detail of the scope of the necessary modifications, a non-binding, good faith estimate of their cost, and an executable interconnection agreement; and

II. approve the interconnection request upon receipt from the interconnection customer the executed interconnection agreement.

B. Modifications to the public utility's electric distribution system and/or transmission system are necessary to accommodate the proposed interconnection in which case the public utility must provide at the same time either:

I. a non-binding, good faith estimate of the cost of the modifications, if known, and

II. a standard form facilities study agreement including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the facilities study.

iv) If the proposed interconnection may affect electric transmission or delivery systems other than those controlled by the public utility, operators of those other systems may require additional studies to determine the potential impact of the interconnection on those systems. If such additional studies are required, the public utility must coordinate the studies but will not be responsible for their timing. The applicant shall be responsible for the costs of any such additional studies required by another affected system. Such studies will be conducted only after the applicant has provided written authorization.

v) Any outstanding study fees beyond the paid deposit will be invoiced to the interconnection customer after the system impact study is completed and delivered and will include a summary of professional time. The interconnection customer must

pay any study costs that exceed the deposit without interest within 30 calendar days of receipt of the invoice or resolution of any dispute but such payment responsibility shall be limited to and not exceed 125 percent of the public utility's non-binding good faith estimate for such study. If the deposit exceeds the invoiced fees, the public utility shall refund such excess within 30 calendar days of the invoice without interest.

g) Facilities Study. The results of the facilities study shall specify a non-binding good faith cost estimate of the equipment, engineering, procurement and construction work (including overheads) needed to implement the conclusion of the system impact study (or studies) in order for the interconnection customer to safely interconnect the generating facility with the public utility's electric distribution system and the time required to build and install those facilities. The following provisions apply to the facilities study:

   i) Garkane will require a deposit of the good faith estimated costs for the facilities study.

   ii) In order to remain under consideration for interconnection, the interconnection customer must return the executed facilities study agreement and any required deposit, or request an extension of time, within 30 business days.

   iii) Design for any required interconnection facilities and/or upgrades shall be performed under the facilities study agreement. Garkane may contract with consultants to perform activities required under the facilities study agreement. The interconnection customer and the public utility **may agree** to allow the interconnection customer to separately arrange for the design of some of the interconnection facilities. In such cases, facilities design will be reviewed and/or modified prior to acceptance by the public utility under the provisions of the facilities study agreement. If the parties agree to separately arrange for design and construction, and provided security and confidentiality requirements can be met, the public utility shall make sufficient information available to the interconnection customer in accordance with confidentiality and critical infrastructure requirements to permit the interconnection customer to obtain an independent design and cost estimate for any necessary facilities.

   iv) In cases where upgrades are required, the facilities study must be completed, and the facilities study report transmitted to the interconnection customers within 45 business

days of the public utilities receipt of the facilities study agreement from the interconnection customer. In cases where no upgrades are necessary, and the required facilities are limited to interconnection facilities, the facilities study must be completed and the facilities study report transmitted to the interconnection customer in 30 business days of the public utilities receipt of the facilities study agreement from the interconnection customer. The report and any ensuing interconnection agreement must list the conditions and facilities necessary for the generating facility to safely interconnect with the public utility's electric distribution system, and must include a non-binding, good faith estimate of the cost of those facilities and the estimated time required to build and install those facilities.

v) Upon completion of the facilities study and receipt of agreement of the interconnection customer to pay for interconnection facilities and upgrades identified in the facilities study, the public utility shall approve the interconnection request.

vi) Any study fees will be invoiced to the interconnection customer after the facilities study is completed and delivered and will include a summary of professional time. The interconnection customer must pay any study costs that exceed the deposit without interest within 30 calendar days of receipt of the invoice or resolution of any dispute but such payment responsibility shall be limited to and not exceed 125 percent of the public utility's non-binding good faith estimate for such study. If the deposit exceeds the invoiced fees, the public utility shall refund such excess within 30 calendar days of the invoice without interest.

h) Either prior to, along with or within five business days after notifying the interconnection customer that the interconnection request has been approved, a public utility must provide the procedures, requirements, and associated forms, for final authorization of the interconnection, as determined applicable by the public utility. These procedures and requirements may include:

i) completion of any required inspection of the generating facility by the building code official with jurisdiction over the generating facility and transmittal to the public utility of appropriate documentation;

ii) transmittal to the public utility of any required notice of completion, notice of start- up, and/or interconnection agreement.

iii) installation of any required meter modification by the public utility;

iv) completion of any required inspection of the generating facility prior to operation by the public utility; and/or

v) the requirement that the applicant may not begin parallel operations of the generating facility until receipt of a final approval or authorization of interconnection.

i) The customer and the public utility may mutually agree to terms that vary from the standard form interconnection agreement, but such non-standard agreement shall be subject to commission approval.

3) An interconnection customer must notify the public utility of the anticipated testing and inspection date of the generating facility at least ten business days prior to testing, either through the submittal of the interconnection agreement, a notice of completion, or in a separate notice.

4) Within 10 business days of receipt of all required documentation (e.g., executed interconnection agreement, notice of completion, and/or documentation of satisfactory completion of inspections by non-company personnel), the public utility must, if it has not already done so, conduct any company-required inspection or witness test, set the new meter, if required, approve the interconnection, and provide written notification to the interconnection customer of the final interconnection authorization/approval and that the generating facility is authorized/approved for parallel operation. If the public utility does not conduct the witness test within 10 business days or by mutual agreement of the parties, the witness test is deemed waived.

5) Witness Test Not Acceptable: If the witness test is conducted and is not acceptable to the public utility, the interconnection customer must be granted a period of 60 business days to resolve any deficiencies. The parties may mutually agree to extend the time period for resolving any deficiencies. If the interconnection customer fails to address and resolve the deficiencies to the satisfaction of the public utility within the agreed upon time period, the interconnection request is deemed withdrawn.

(1) "Adverse system impact" means the negative effects due to technical or operational limits on conductors or equipment being exceeded that may compromise the safety and reliability of the electric distribution system.

(2) "Affected system" means an electric system other than a public utility's electric distribution system that may be affected by the proposed interconnection.

(3) "Building code official" means the city or local official whose responsibility includes inspecting facilities for compliance with the city or local jurisdiction electrical code requirements.

(4) "Business day" means Monday through Friday, excluding Federal holidays.

(5) "Confidential information" means any confidential and/or proprietary information provided by one party to the other party that is clearly marked or otherwise designated "Confidential." For the purposes of this rule, all design, operating specifications, and metering data provided by the interconnection customer shall be deemed confidential information regardless of whether it is clearly marked or otherwise designated as such. Confidential information does not include information previously in the public domain, required to be publicly submitted or divulged by governmental authorities, or necessary to be divulged in an action to enforce these procedures.

(6) "Electric distribution system" means that portion of an electric system that delivers electricity from transformation points on the transmission system to the point or points of connection at a customer's premises.

(7) "Equipment package" means, for certification purposes, a group of components connecting a generating facility's device for the production electricity (i.e., a generator) with an electric distribution system, and includes all interface equipment including switchgear, inverters, or other interface devices. An equipment package may include an integrated generator or electric production source. An equipment package does not include equipment provided by the utility.

(8) "Fault current" means electrical current that flows through a circuit and is produced by an electrical fault, such as to ground, double-phase to ground, three-phase to ground, phase-to-phase, and three-phase. A fault current is several times larger in magnitude than the current that normally flows through a circuit.

(9) "Facilities study" means a study conducted to determine the additional or upgraded distribution system facilities necessary to interconnect a generating facility with a public utility,

the cost of those facilities, and the time schedule required to interconnect the generating facility to the public utility's distribution system.

(10) "Feasibility study" means a preliminary evaluation of the system impact and the cost of interconnecting a generating facility to the public utility's electric distribution system.

(11) "Generating facility" means the interconnection customer's device for the production of electricity and all associated components up to the point of common coupling identified in the interconnection request but shall not include the interconnection customer's interconnection facilities.

(12) "Generation capacity" means the nameplate capacity of the power generating device(s) of a generating facility. Generation capacity does not include the effects caused by inefficiencies of power conversion or plant parasitic loads.

(13) "Good utility practice" means any of the practices, methods and acts engaged in or approved by a significant portion of the electric utility industry during the relevant time period, or any of the practices, methods and acts that, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result of the lowest reasonable cost consistent with good business practices, reliability, safety and expedition. 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 and consistently adhered to by the public utility.

(14) "Governing Authority" means

(a) For a distribution electrical cooperative, its board of directors; and

(b) for each other electrical corporation, the Public Service Commission, otherwise referred to as the commission.

(15) "IEEE standards" means the Institute of Electrical and Electronics Engineers (IEEE) Interconnecting Distributed Resources with Electric Power Systems -- IEEE 1547 Series referenced in Section 54-15-102.

(16) "Interconnection agreement" means a standard form agreement between an interconnection customer and a public utility that governs the connection of a generating facility to the electric distribution system and the ongoing operation of the generating facility after it is connected to the system.

(17) "Interconnection customer" means any entity including a public utility that proposes to interconnect its generating facility with the public utility's distribution system.

(18) "Interconnection Facilities" means the facilities and equipment required by a public utility to accommodate the interconnection of a generating facility to the public utility's electric distribution system and used exclusively for that interconnection. Interconnection Facilities do not include upgrades.

(19) "Interconnection request" means the interconnection customer's request to interconnect a new generating facility, or to increase the capacity of, or make a material modification to the operating characteristics of an existing generating facility that is interconnected with the public utility. The interconnection request includes all required applications, forms, processing fees and/or deposits required by the public utility.

(20) "Inverter" has the same meaning as in Section 54-15-102.

(21) "Level 1 Interconnection Review" means an interconnection review process applicable to an inverter-based facility having a generation capacity of 25 kilowatts or less.

(22) "Level 2 Interconnection Review" means an interconnection review process applicable to a facility having a generation capacity of 2 megawatts or less and that does not qualify for or fails to meet Level 1 interconnection review requirements.

(23) "Level 3 Interconnection Review" means an interconnection review process applicable to a facility having a generation capacity of greater than 2 megawatts but no larger than 20 megawatts, or the generating facility is not certified, or the generating facility does not qualify for or fails to meet Level 1 or Level 2 interconnection review requirements.

(24) "Net metering facility" means a facility eligible for net metering, or an eligible facility as defined in Section 54-15-102.

(25) "Party or parties" means the public utility and/or the interconnection customer.

(26) "Point of common coupling" means the point at which the interconnection between the public utility's system and the interconnection customer's equipment interface occurs. Typically, this is the customer side of the public utility's meter.

(27) "Public utility" has the meaning set forth in Section 54-2-1 and is limited to a public utility that provides electric service.

(28) "Queue position" means the order of a valid interconnection request relative to all other pending valid interconnection requests that is established based upon the date and time of receipt of a completed interconnection request, including application fees, by the public utility.

(29) "Spot network" means a type of electric distribution system that uses two or more inter-tied transformers protected by network protectors to supply an electrical network circuit. A spot network is generally used to supply power to a single customer or a small group of customers.

(30) "Standard form" or "standard form agreement" means a form or agreement that follows that adopted or approved by the Federal Energy Regulatory Commission in its small generator interconnection proceedings and modified to be consistent with these rules unless the governing authority has approved an alternative form or agreement.

(31) "Switchgear" has the same meaning as in Section 54-15-102.

(32) "System Impact study" means an engineering analysis of the probable impact of a generating facility on the safety and reliability of the public utility's electric distribution system.

(33) "Telemetry" means the remote communication from a generator facility to a point on the public utility's communication network where the data can be assimilated into the public utility's grid operations if desired.

(34) "UL1741" means the UL Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources as referenced in Section 54-15- 102.

(35) "Upgrades" means the required additions and modifications to a public utility's distribution system beyond the point of interconnection. Upgrades do not include interconnection facilities.

(36) "Written notice" means a required notice sent by the utility via electronic mail if the interconnection customer has provided an electronic mail address. If the interconnection customer has not provided an electronic mail address, or has requested in writing to be notified by United States mail, or if the utility elects to provide notice by United States mail, then written notices from the utility shall be sent via First Class United States mail. The utility shall be deemed to have fulfilled its duty to respond under this rule on the day it sends the interconnection customer notice via electronic mail or deposits such notice in First Class mail. The interconnection customer shall be responsible for informing the utility of any changes to its notification address.

ATTACHMENT 2 - INTERCONNECTION REQUEST APPLICATION

INTERCONNECTION REQUEST APPLICATION

Level 1, 2, & 3 Interconnection Request Application

Designated Contact Person: Bryant Shakespear P.E.

Address (for U.S. Mail Deliveries):

Attn. Bryant Shakespear P.E.
Garkane Energy
1802 S Highway 89A
Kanab, UT 84741

Telephone Number: (435) 644-5026

E-Mail Address: bryant.shakespear@garkane.com

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

Instructions

An Interconnection Customer who requests a Level 1, 2, or 3 Interconnection Review must submit this Interconnection Request packet by hand delivery, mail, e-mail, or fax to the Cooperative. Interconnection Requests will be administered by Garkane in general accordance with Utah Administrative Code, Rule R746-312, Electrical Interconnection. Applicants should familiarize themselves with Rule R746-312 prior to preparing and submitting an Interconnection Request.

Processing Fee or Study Deposit:

Interconnection Request submission should be accompanied by the appropriate fee for the level of Interconnection Review requested. The amounts required are provided in the Fee Matrix table below. Fees are used to cover the cost to study an Interconnection Request for Levels 1, 2, or 3 Review Screens. Additional deposits will be required prior to Garkane conducting any Feasibility or System Impact or Facilities study for a Level 3 Interconnection Review. Execution of study agreements and payment of study deposits are required before work on studies will begin.

GARKANE ENERGY COOPERATIVE

Level 1, 2, & 3 Interconnection Request Application

Fee & Deposit Matrix:

Level 1 Engineering Review & System Commissioning Fees	$200 non-refundable Engineering Review Fee, $300 non-refundable System Commissioning Fee
Level 2 Application & Study Fee	$200 plus $1.00 per kilowatt of facility capacity non- refundable
Level 3 Application & Study Fee	$2000 plus $0.50 per kilowatt of facility capacity non- refundable
Feasibility Study Deposit	Based on 3rd Party Engineering Feasibility Study Proposal & Estimated Garkane staff time spent on project study billable rates.
System Impact Deposit	Based on 3rd Party Engineering System Impact Study Proposal & Estimated Garkane staff time spent on project study at billable rates.
Facilities Deposit	Based on 3rd Party Engineering Facilities Study Proposal & Estimated Garkane staff time spent on project study at billable rates.
Supplemental Review Deposit	Based on 3rd Party Engineering Supplemental Review Proposal & Estimated Garkane staff time spent on project study at billable rates.

Please note that as a certificated Distribution Electrical Cooperative in Utah the rates charged for the study of the Interconnection Requests are set by the Garkane's Governing Authority.

Any deposit funds left remaining after completion of a study will be refunded back to the applicant at its completion. If a balance of funds is owed Garkane for to time spent by staff or its contractor on the project the funds will be paid by the customer to Garkane before the results of the study will be provided. A summary of staff time will be provided to the interconnection customer at the completion of any study.

Interconnection Levels of Review

Level 1 Interconnection Review" means an interconnection review process applicable to an inverter-based facility having a generation capacity of 25 kilowatts or less.

Level 2 Interconnection Review" means an interconnection review process applicable to a facility having a generation capacity of 2 megawatts or less and that does not qualify for or fails to meet Level 1 interconnection review requirements.

Level 3 Interconnection Review" means an interconnection review process applicable to a facility having a generation capacity of greater than 2 megawatts but no larger than 20 megawatts, or the generating facility is not certified, or the generating facility does not qualify for or fails to meet Level 1 or Level 2 interconnection review requirements.

GARKANE ENERGY COOPERATIVE

Level 1, 2, & 3 Interconnection Request Application

Interconnection Customer Information

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

Name: _____

Contact Person: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Facility Location (if different from above): _____

Telephone (Day): _____ Telephone (Evening): _____

Fax: _____ E-Mail Address: _____

Alternative Contact Information (if different from the Interconnection Customer)

Contact Name: _____

Title: _____

Address: _____

_____

Telephone (Day): _____ Telephone (Evening): _____

Fax: _____ E-Mail Address: _____

Application is for: ____Interconnecting a New Generating Facility
____Capacity addition to a Existing Generating Facility

If capacity addition to existing facility, please describe: _____

_____

Is the Generating Facility to be studied as:

Energy Resource _____ (Supplier of power to entities other than Garkane)

Network Resource _____ (Supplier of power to Garkane's native loads)

GARKANE ENERGY COOPERATIVE

Level 1, 2, & 3 Interconnection Request Application

For installations at locations with existing electric service to which the proposed Generating Facility will interconnect, provide:

_____ _____

(Local Electric Service Provider*) (Existing Account Number*)

[*To be provided by the Interconnection Customer if the local electric service provider is different from the Cooperative]

Contact Name: _____

Title: _____

Address: _____

_____

Telephone (Day):_____ Telephone (Evening): _____

Fax:_____ E-Mail Address: _____

Requested Point of Interconnection: _____

Interconnection Customer's Requested In-Service Date: _____

Small Generating Facility Information

Data apply only to the Small Generating Qualified 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 ___Gas Turb ___Steam Turb
___Microturbine ___PV ___Other

Type of Generator:____Synchronous ____Induction ____Inverter

Generator Nameplate Rating:_____kW (Typical) Generator Nameplate kVAR: _____

Expected Interconnection Customer or Customer-Site Load:_____kW (if none, so state)

Typical Reactive Load (if known): _____

Maximum Nameplate Capability Requested:_____kW

GARKANE ENERGY COOPERATIVE

Level 1, 2, & 3 Interconnection Request Application

List components of the Generating Facility equipment package that are currently certified:

	Equipment Type	Certifying Entity
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____

Is the prime mover compatible with the certified protective relay package? _____ Yes ____ No

Generator (or solar inverter)
Manufacturer, Model Name & Number: _____ Number: _____

Nameplate Output Power Rating in kW: (Summer) _____ (Winter) _____
Nameplate Output Power Rating in kVA: (Summer) _____ (Winter) _____

Individual Generator Power Factor
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 System Simulator for Engineering (PSS/E) data sheet must be supplied with the Interconnection Request.

Generating Facility Characteristic Data (for inverter-based machines)

Max design fault contribution current: _____ Instantaneous _____ or RMS? ____

Harmonics Characteristics: _____

Start-up requirements: _____

GARKANE ENERGY COOPERATIVE

Level 1, 2, & 3 Interconnection Request Application

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, X_0: _____ P.U.
KVA Base: _____ Field
Volts: _____ Field Amperes: _____

Induction Generators:

Motoring Power (kW): _____ I_2^2 t
or K (Heating Time Constant): _____
Rotor Resistance, Rr: _____ 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 Load): _____
Reactive Power Required In Vars (Full Load): _____
Total Rotating Inertia, H: _____ Per Unit on kVA Base

Note: Please contact the Cooperative 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.

GARKANE ENERGY COOPERATIVE

Level 1, 2, & 3 Interconnection Request Application

Interconnection Facilities Information

Will a transformer be used between the generator and the point of interconnection?__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 per inverter
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

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

(Attach copy of fuse manufacturer's Minimum Melt and Total Clearing Time-Current Curves) T B D

Manufacturer:_____Type:_____Size:_____Speed: _____

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. _____	_____	_____
3. _____	_____	_____
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:_____Type: _____
Accuracy Class:_____Proposed Ratio Connection: _____
Manufacturer:_____Type: _____
Accuracy Class:_____Proposed Ratio Connection: _____

Potential Transformer Data (If Applicable):

Manufacturer:_____Type: _____
Accuracy Class: _____ Proposed Ratio Connection: _____

Manufacturer:_____Type: _____
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.**

Enclose copy of any acceptable site control documentation that indicates the precise physical location of the proposed Generating Facility (e.g., USGS topographic map or other diagram or documentation). This is additional to Transmission Provider required Site Control Documentation reasonably demonstrating:(1) ownership of, a leasehold interest in, or a right to develop a site for the purpose of constructing the Generating Facility; (2) an option to purchase or acquire a leasehold site for such purpose; or (3) an exclusivity or other business relationship between Interconnection Customer and the entity having the right to sell, lease or grant Interconnection Customer the right to possess or occupy a site for such purpose.

GARKANE ENERGY COOPERATIVE

Level 1, 2, & 3 Interconnection Request Application

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:_____Date: _____

ATTACHMENT 3
Certification Codes and Standards
(Where multiple versions of a standard exist, the most current version shall be used.)

IEEE1547 (Current Version) Standard for Interconnecting Distributed Resources with Electric Power Systems (including use of IEEE 1547.1 testing protocols to establish conformity)

UL 1741 Inverters, Converters, and Controllers for Use in Independent Power Systems

IEEE Std 929-2000 IEEE Recommended Practice for Utility Interface of Photovoltaic (PV) Systems

NFPA 70 (2002), National Electrical Code

IEEE Std C37.90.1-1989 (R1994), IEEE Standard Surge Withstand Capability (SWC) Tests for Protective Relays and Relay Systems

IEEE Std C37.90.2 (1995), IEEE Standard Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers

IEEE Std C37.108-1989 (R2002), IEEE Guide for the Protection of Network Transformers

IEEE Std C57.12.44-2000, IEEE Standard Requirements for Secondary Network Protectors

IEEE Std C62.41.2-2002, IEEE Recommended Practice on Characterization of Surges in Low Voltage (1000V and Less) AC Power Circuits

IEEE Std C62.45-1992 (R2002), IEEE Recommended Practice on Surge Testing for Equipment Connected to Low-Voltage (1000V and Less) AC Power Circuits

ANSI C84.1-1995 Electric Power Systems and Equipment – Voltage Ratings (60 Hertz)

IEEE Std 100-2000, IEEE Standard Dictionary of Electrical and Electronic Terms

NEMA MG 1-1998, Motors and Small Resources, Revision 3

IEEE Std 519-1992, IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems

NEMA MG 1-2003 (Rev 2004), Motors and Generators, Revision 1

ATTACHMENT 4
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 these small generator interconnection procedures shall be considered certified under these procedures for use in that state.

ATTACHMENT 5
NON-DISCLOSURE AGREEMENT

CONFIDENTIALITY AGREEMENT

This Confidentiality Agreement (this "Agreement") is entered into as of the _____ day of_____, by and between Garkane Energy Cooperative, a Utah non-profit corporation ("Garkane") and each of the undersigned signatories to this Agreement (each a "Party" and together the "Parties").

WHEREAS, one or more Parties have requested information from Garkane (the "Request") related to transmission and distribution power system data which may include certain confidential, sensitive or proprietary information that Garkane wishes to protect from public or other unnecessary dissemination;

WHEREAS, in connection with the Request, the Parties may disclose information to one another in order to effectuate a review of data delivered pursuant to the Request, and require execution of this Agreement as a condition precedent to such exchange of certain confidential information further described herein;

WHEREAS, either Garkane or any of the Parties may designate certain information as confidential, proprietary, sensitive, highly confidential, restricted or critical infrastructure information, as applicable (referred to collectively as "Confidential Information" and further defined in Section 1 below);

NOW THEREFORE, in consideration of and as a condition for furnishing the Confidential Information (as defined below), Garkane and each Party agree to the following, it being understood that they are also agreeing to cause their officers, employees, partners, representatives, advisors, agents, and associates ("Representatives") to comply with the provisions hereof:

1. Confidential Information. For purposes of this Agreement, the term "Confidential Information" means any oral or written information which is made available to a Party or one of its representatives (a "Receiving Party") by another Party or one of its Representatives (a "Disclosing Party") before or after the date of this Agreement in connection with the Request, regardless of the manner in which such information is furnished. Confidential Information also includes the following: all data (including, but not limited to, critical infrastructure information), materials, products, customer information, business plans, compilations, evaluations, analyses, financial information or other information developed or prepared by a Disclosing Party or its Representatives. Unless waived by a Party, the Parties shall require its Representatives, including subcontractors of any tier, to adhere to the requirements of this Agreement.

Notwithstanding anything in this Section 1 to the contrary, the term "Confidential Information" does not include any information which (i) at the time of disclosure by a Disclosing Party, or thereafter, is generally available to and known by the public (other than as a result of a disclosure made directly or indirectly by a Receiving Party or its Representatives), (ii) was available to a Receiving Party or its Representatives on a non-confidential basis from a source other than a Disclosing Party (provided that such source is not or was not bound by a confidentiality agreement with a Disclosing Party or its Representatives or had any other duty of confidentiality to a Disclosing Party or its Representatives known to the Receiving Party), or (iii) information which is already known to the Receiving Party or has been independently acquired or developed by a Receiving Party without violating any of such Receiving Party's obligations under Section 2 hereof.

2. Confidentiality; Disclosure. The Confidential Information will be kept confidential by each Receiving Party and each Receiving Party agrees to protect the Confidential Information using the same degree of care, but no less than a reasonable degree of care, as Receiving Party uses to protect its own confidential information of a like nature. Confidential Information labeled as critical infrastructure information ("CII") shall be protected consistent with the following requirements:

a. CII shall be protected at all times, either by appropriate storage or having it under the personal observation and control of a person authorized to receive it. Each person who works with protected CII is personally responsible for taking proper precautions to ensure that unauthorized persons do not gain access to it.
b. Reasonable steps shall be taken to minimize the risks of access to CII by unauthorized personnel. When not in use, CII shall be secured in a secure container, such as a locked desk, file cabinet or facility where security is provided.
c. Documents or materials containing CII may be reproduced to the minimum extent necessary, consistent with the need to carry out the Work, provided that the reproduced material is marked and protected in the same manner as the original material.
d. Material containing CII information should be disposed of through secured shredding receptacles or other secured document destruction methods.
e. CII shall be transmitted only by the following means:
    i. Hand delivery.
    ii. United States first class, express, certified or registered mail, bonded courier, or through secure electronic means.
    iii. E-mail with encrypted file (such as, WinZip with password). The password should not be included in e-mail, but should be delivered by phone or in an unrelated e-mail not mentioning the document name. Password-protected Microsoft Office documents do not meet the encryption requirements.

Any material derived by a Party from CII shall be considered CII, labeled by such Party as such, and protected consistent with the foregoing requirements.

Consistent with the preceding provisions, a Receiving Party may disclose the Confidential Information or portions thereof to those of such Receiving Party's Representatives (which shall cause them to become a Receiving Party hereunder) who need to know such information for the purpose of analysis or performing an obligation related to the Request. Notwithstanding the foregoing, each Party and its Representatives are not authorized to disclose such Confidential Information to any representative without (i) informing such Representative of the confidential nature of the Confidential Information and (ii) securing the agreement of such Representative to a similar confidentiality obligation. The Receiving Party agrees to be responsible for any breach of this Section 2 by Receiving Party or Receiving Party's Representative.

In the event that a Receiving Party or one of its Representatives becomes legally compelled (by law, rule, regulation, order, deposition, interrogatory, request for documents, subpoena, civil investigative demand or similar process) to disclose any of the Confidential Information, such Receiving Party shall provide the Disclosing Party with prompt prior written notice of such requirement, to the extent legally permitted, so that the Disclosing Party may seek a protective order or other appropriate remedy and/or waive compliance with the terms of this Section 2. In the event that such protective order or other remedy is not obtained, or that the Disclosing Party waives compliance with the provisions hereof, the Receiving Party compelled to disclose shall (i) furnish only that portion of the Confidential Information which, in accordance with the advice of its own counsel (which may include internal counsel), is legally required to be furnished, and (ii) exercise reasonable efforts to cooperate with the Disclosing Party at the Disclosing Party's expense to the extent permitted by Applicable Law with respect to obtaining assurances that confidential treatment will be accorded the Confidential Information so furnished.

Notwithstanding the foregoing, the Parties acknowledge that Garkane is required by law or regulation to report certain information that could embody Confidential Information from time to time, and may do so from time to time without providing prior notice. Such reports include models, filings, and reports of Deseret's net power costs, general rate case filings, power cost adjustment mechanisms, FERC-required reporting, annual state reports that include resources and loads, integrated resource planning reports, reports to entities such as the North American

Electric Reliability Corporation, Western Electricity Coordinating Council, or similar or successor organizations, or similar or successor documentation. Additionally, in regulatory proceedings in all state and federal jurisdictions in which it does business, Garkane will from time to time be required to produce Confidential Information and may do so without prior notice and use its business judgment in its compliance with all of the foregoing and the appropriate level of confidentiality it seeks for such disclosures.

4. **Return.** Upon request from a Disclosing Party, each Receiving Party promptly will return or destroy, at Receiving Party's option, all copies of the Confidential Information in each Receiving Party's possession in any form. If the Confidential Information is CII, the Party will promptly return all CII, including all material derived from CII by Each Party, and all copies, extracts, and other objects or items in which CII may be contained or embedded, to the other Party upon completion of Work. Each Receiving Party will keep confidential any Confidential Information contained in all copies of any analyses, compilations, studies or other documents prepared by or for a Receiving Party which contain or reflect any Confidential Information. Upon notice that the Disclosing Party requests the return of its Confidential Information, the Receiving Party shall not be permitted to use it for any purpose.

5. **Intellectual Property Rights.** Nothing contained in this Agreement shall be construed as or imply any right granted to either Party with respect to any intellectual property of either Party (whether or not copyrighted, trademarked or patented), including any uses related thereto, and all Confidential Information shall be the sole property of the Disclosing Party. The analysis and work product hereunder is to be prepared for the exclusive use of the Parties and their designated agents. The Parties agree that all work prepared by them or their employees, agents and subcontractors of any tier (including their respective employees, agents and subcontractor(s)) in connection with Compliance which is subject to protection under copyright laws constitute "work for hire", all copyrights to which belong to the Parties. Furthermore, such work products may not be reproduced or used for any other purpose without the express written consent of the Parties.

6. **Entire Agreement; Amendment; Waiver.** This Agreement constitutes the entire agreement of the Parties hereto relating to the subject matter hereof, and this Agreement supersedes all prior communications, representations, or agreements, verbal or written, among the Parties relating to the subject matter hereof. No provision in this Agreement may be waived or amended except by written consent of Garkane and each Party. It is further understood and agreed that no failure or delay by either Garkane or any Party in exercising any right, power or privilege preclude any other or further exercise thereof.

7. **Jury Waiver**. To the fullest extent permitted by law, each of the parties hereto waives any right it may have to a trial by jury in respect of litigation directly or indirectly arising out of, under or in connection with this agreement. Each party further waives any right to consolidate any action in which a jury trial has been waived with any other action in which a jury trial cannot be or has not been waived.

8. **Remedies.** The Parties shall be entitled to equitable relief, including injunction and specific performance, in the event of any breach of the provisions of this Agreement, in addition to all other remedies available to them at law or in equity. If Receiving Party commits a breach, or threatens to commit a breach of, of any material terms or conditions in this Agreement, Disclosing Party shall have the right to seek and obtain all judicial relief (including but not limited to specific monetary damages and interest) as may be ordered or awarded by a court of competent jurisdiction. Receiving Party hereby acknowledges that legal remedies would be inadequate to fully compensate Disclosing Party for a breach of this Agreement. Receiving Party therefore agrees that prior to and in addition to any legal remedies obtained by Disclosing Party for a breach of this Agreement by Receiving Party or its Representatives, Disclosing Party may seek and obtain immediate entry of appropriate equitable relief against Receiving Party or its Representatives. Receiving Party waives any requirement of Disclosing Party's posting of bond in connection with obtaining such equitable relief. Neither party hereto shall be liable for incidental, special, or consequential, indirect and punitive damages that may arise out of or relate to this Agreement, including but not limited to loss of use, cost of money, loss of profits, loss of services of employees, loss of reputation and loss of financing.

9. **Notices.** Notices under this Agreement shall be in writing and shall be effective when actually delivered. If mailed, a notice shall be deemed effective on the second day after deposited as registered or certified mail, postage prepaid, directed to the other Party at the address shown below:

If to	If to Each Party:
Garkane Energy Cooperative	Name
1802 S. HWY 89A	Address
Kanab, Utah 84741	

Any party may change its address for notices by written notice to the other parties in accordance with this Agreement.

10. **Beneficiary; Assignment; Governing Law.** This Agreement is for the benefit of each Party and will be governed by and construed in accordance with the laws of the state of Utah. Neither Party may assign or otherwise transfer its rights or delegate its duties under this Agreement, except to an affiliate, without prior written consent, and any attempt to do so without consent is void.

11. **Term.** This Agreement shall expire on the earlier of: (i) two (2) years from the date of this Agreement, or (ii) the date upon which any of the Parties terminate this Agreement by written notice to the other Party; provided, however, such termination shall not affect any obligation with respect to Confidential Information received by the Parties prior to such termination, which obligation shall continue indefinitely.

12. **No Warranty.** With respect to any information, including but not limited to the Confidential Information, which a Party furnishes or otherwise discloses to another Party for the purpose of evaluating Compliance, it is understood and agreed that the Disclosing Party does not make any representations or warranties as to the accuracy, completeness or fitness for a particular purpose thereof. It is further understood and agreed that no Party or its Representatives shall have any liability or responsibility to another Party or to any other person or entity resulting from the use of any information so furnished or otherwise provided pursuant to this Agreement.

IN WITNESS WHEREOF, the undersigned parties have executed this Confidentiality Agreement as of the date first written above.

GARKANE	**[EACH PARTY]**
_____	_____
Signature	Signature
Name: _____	Name: _____
Title: _____	Title: _____

ATTACHMENT 6 – FEASIBILITY STUDY AGREEMENT

Facilities Study Agreement

THIS AGREEMENT is made and entered into this_____day of _____ 20___by and_____,a _____organized and existing under the laws of the State of _____, ("Interconnection Customer,") and Garkane Energy Cooperative, Inc. a Distribution Electric Cooperative existing under the laws of the State of Utah and Arizona, ("Garkane"). Interconnection Customer and Garkane each may be referred to as a "Party," or collectively as the "Parties."

RECITALS

WHEREAS, Interconnection Customer is proposing to develop a _____ kW generating facility (the "Facility") consistent with the Application completed by Interconnection Customer on_____ ____; and

WHEREAS, Interconnection Customer desires to interconnect the Facility with Garkane's Distribution System; and

WHEREAS, the Parties have agreed to perform a Facilities Study to assess the feasibility of interconnecting the customers proposed Generation Facility with Garkane's Distribution System.

NOW, THEREFORE, in consideration of and subject to the mutual covenants contained herein the Parties agreed as follows:

1. When used in this Agreement, with initial capitalization, the terms specified shall have the meanings indicated or the meanings specified in the standard Utah Electrical Interconnection Rule R746-312 and FERC SGIP.
2. The Interconnection Customer elects and Garkane shall cause to be performed an interconnection Facilities Study consistent to the standard of care described in Utah Electrical Interconnection Rule R746-312, FERC's Small Generator Interconnection Procedures and Good Utility Practice.
3. The scope of the Facilities Study shall be subject to the assumptions set forth in Attachment A to this Agreement.
4. The Facilities Study shall be based on the technical information provided by the Interconnection Customer in the Interconnection Request, as may be modified as the result of the scoping meeting. Garkane reserves the right to request additional technical information from the Interconnection Customer as may reasonably become necessary consistent with Good Utility Practice during the course of the study. If the Interconnection Customer modifies its Interconnection Request, the time to complete the Facilities Study may be extended by agreement of the Parties.

5. In performing the study, Garkane shall rely, to the extent reasonably practicable, on existing studies of recent vintage. The Interconnection Customer shall not be charged for such existing studies; however, the Interconnection Customer shall be responsible for charges associated with any new study or modifications to existing studies that are reasonably necessary to perform the feasibility study.

6. The Facilities Study report shall provide the following analyses for the purpose of identifying any potential adverse system impacts that would result from the interconnection of the Small Generating Facility as proposed:

    a. Initial identification of any circuit breaker short circuit capability limits exceeded as a result of the interconnection;

    b. Initial identification of any thermal overload or voltage limit violations resulting from the interconnection;

    c. Initial review of grounding requirements and electric system protection; and

    d. Description and non-binding estimated cost of facilities required to interconnect the proposed Small Generating Facility and to address the identified short circuit and power flow issues.

7. Once the study is completed, Garkane will provide an study report to the Interconnection Customer. Barring unusual circumstances, Garkane expects to have the study report completed and transmitted to Interconnection Customer within 30 Business Days of Interconnection Customer's execution of this Agreement.

8. Interconnection Customer will pay for Garkane's actual costs incurred for preparing the study, which will consist solely of (i) the complete cost incurred by Garkane for its third-party engineering contract (included herein as Attachment A) and (ii) time spent by Garkane's technical staff (at Garkane's typical rates) on the Facilities Study (e.g., assisting the third-party consultant, plus reviewing and confirming the accuracy of the study report).

9. Garkane's good faith cost estimate to conduct the Facilities Study is_____ (included herein as Attachment B). A deposit equal to the estimate is due prior to work starting on the Feasibility Study. Any deposit funds left after completion of a study will be refunded back to the applicant. If a balance of funds is owed Garkane for time spent working on the study the customer will be invoiced. A summary of Garkane staff and contractor time will be provided to the interconnection customer at the completion of any study. Payment of the invoice shall be made prior to Garkane releasing the report to the customer.

10. Governing Law, Regulatory Authority, and Rules

    The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by the laws of the state of Utah without regard to its conflicts of law principles. This Agreement is subject to all Applicable Laws and Regulations. Each Party expressly reserves the

right to seek changes in, appeal, or otherwise contest any laws, orders, or regulations of a Governmental Authority.

11. Amendment

The Parties may amend this Agreement by a written instrument duly executed by both Parties.

12. No Third-Party Beneficiaries

This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and where permitted, their assigns.

13. Waiver

13.1 The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such Party.

13.2 Any waiver at any time by either Party of its rights with respect to this Agreement shall not be deemed a continuing waiver or a waiver with respect to any other failure to comply with any other obligation, right, duty of this Agreement. Termination or default of this Agreement for any reason by Interconnection Customer shall not constitute a waiver of the Interconnection Customer's legal rights to obtain an interconnection from Garkane, subject to any appropriate studies to assess and to address the impact of the interconnection on Garkane's system and any Affected Systems. Any waiver of this Agreement shall, if requested, be provided in writing.

14. Multiple Counterparts

This Agreement may be executed in two or more counterparts, each of which is deemed an original, but all constitute one and the same instrument.

15. No Partnership

This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties or to impose any partnership obligation or partnership liability upon either Party. Neither 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, the other Party.

16. Severability

If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction or other Governmental Authority, (1) such portion or provision shall be deemed separate and independent, (2) the Parties shall negotiate in good faith to restore insofar as practicable the benefits to each Party that were affected by such ruling, and (3) the remainder of this Agreement shall remain in full force and

effect.

17. Subcontractors

Nothing in this Agreement shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement; provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing such services and each Party shall remain primarily liable to the other Party for the performance of such subcontractor.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

Garkane Energy Cooperative Inc.	[Insert name of Interconnection Customer]
_____	_____
Signed: _____	Signed: _____
Name (Printed):	Name (Printed):
_____	_____
Title: _____	Title: _____

ATTACHMENT 7 – SYSTEM IMPACT STUDY AGREEMENT

System Impact Study Agreement

THIS AGREEMENT is made and entered into this_____day of _____

20___by and_____,

a_____organized and existing under the laws of the State of

_____, ("Interconnection Customer,") and

Garkane Energy Cooperative, Inc. a Distribution Electric Cooperative existing under the laws of the State of Utah and Arizona, ("Garkane"). Interconnection Customer and Garkane each may be referred to as a "Party," or collectively as the "Parties."

RECITALS

WHEREAS, Interconnection Customer is proposing to develop a _____ kW generating facility (the "Facility") consistent with the Application completed by Interconnection Customer on_____; and

WHEREAS, Interconnection Customer desires to interconnect the Facility with Garkane's Distribution System; and

WHEREAS, the Parties have agreed to perform a System Impact Study to assess the feasibility of interconnecting the customers proposed Generation Facility with Garkane's Distribution System.

NOW, THEREFORE, in consideration of and subject to the mutual covenants contained herein the Parties agreed as follows:

18. When used in this Agreement, with initial capitalization, the terms specified shall have the meanings indicated or the meanings specified in the standard Utah Electrical Interconnection Rule R746-312 and FERC SGIP.
19. The Interconnection Customer elects and Garkane shall cause to be performed an interconnection System Impact Study consistent to the standard of care described in Utah Electrical Interconnection Rule R746-312, FERC's Small Generator Interconnection Procedures and Good Utility Practice.
20. The scope of the System Impact Study shall be subject to the assumptions set forth in Attachment A to this Agreement.
21. The System Impact Study shall be based on the technical information provided by the Interconnection Customer in the Interconnection Request, as may be modified as the result of the scoping meeting. Garkane reserves the right to request additional technical information from the Interconnection Customer as may reasonably become necessary

consistent with Good Utility Practice during the course of the study. If the Interconnection Customer modifies its Interconnection Request, the time to complete the System Impact Study may be extended by agreement of the Parties.

22. In performing the study, Garkane shall rely, to the extent reasonably practicable, on existing studies of recent vintage. The Interconnection Customer shall not be charged for such existing studies; however, the Interconnection Customer shall be responsible for charges associated with any new study or modifications to existing studies that are reasonably necessary to perform the feasibility study.

23. The System Impact Study report shall provide the following analyses for the purpose of identifying any potential adverse system impacts that would result from the interconnection of the Small Generating Facility as proposed:

    a. Initial identification of any circuit breaker short circuit capability limits exceeded as a result of the interconnection;

    b. Initial identification of any thermal overload or voltage limit violations resulting from the interconnection;

    c. Initial review of grounding requirements and electric system protection; and

    d. Description and non-binding estimated cost of facilities required to interconnect the proposed Small Generating Facility and to address the identified short circuit and power flow issues.

24. Once the study is completed, Garkane will provide an study report to the Interconnection Customer. Barring unusual circumstances, Garkane expects to have the study report completed and transmitted to Interconnection Customer within 30 Business Days of Interconnection Customer's execution of this Agreement.

25. Interconnection Customer will pay for Garkane's actual costs incurred for preparing the study, which will consist solely of (i) the complete cost incurred by Garkane for its third-party engineering contract (included herein as Attachment A) and (ii) time spent by Garkane's technical staff (at Garkane's typical rates) on the System Impact Study(e.g., assisting the third-party consultant, plus reviewing and confirming the accuracy of the study report).

26. Garkane's good faith cost estimate to conduct the System Impact Study is_____ (included herein as Attachment B). A deposit equal to the estimate is due prior to work starting on the Feasibility Study. Any deposit funds left after completion of a study will be refunded back to the applicant. If a balance of funds is owed Garkane for time spent working on the study the customer will be invoiced. A summary of Garkane staff and contractor time will be provided to the interconnection customer at the completion of any study. Payment of the invoice shall be made prior to Garkane releasing the report to the

customer.

27. Governing Law, Regulatory Authority, and Rules

The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by the laws of the state of Utah without regard to its conflicts of law principles. This Agreement is subject to all Applicable Laws and Regulations. Each Party expressly reserves the right to seek changes in, appeal, or otherwise contest any laws, orders, or regulations of a Governmental Authority.

28. Amendment

The Parties may amend this Agreement by a written instrument duly executed by both Parties.

29. No Third-Party Beneficiaries

This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and where permitted, their assigns.

30. Waiver

13.1 The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such Party.

13.2 Any waiver at any time by either Party of its rights with respect to this Agreement shall not be deemed a continuing waiver or a waiver with respect to any other failure to comply with any other obligation, right, duty of this Agreement. Termination or default of this Agreement for any reason by Interconnection Customer shall not constitute a waiver of the Interconnection Customer's legal rights to obtain an interconnection from Garkane, subject to any appropriate studies to assess and to address the impact of the interconnection on Garkane’s system and any Affected Systems. Any waiver of this Agreement shall, if requested, be provided in writing.

31. Multiple Counterparts

This Agreement may be executed in two or more counterparts, each of which is deemed an original, but all constitute one and the same instrument.

32. No Partnership

This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties or to impose any

partnership obligation or partnership liability upon either Party. Neither 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, the other Party.

33. Severability

If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction or other Governmental Authority, (1) such portion or provision shall be deemed separate and independent, (2) the Parties shall negotiate in good faith to restore insofar as practicable the benefits to each Party that were affected by such ruling, and (3) the remainder of this Agreement shall remain in full force and effect.

34. Subcontractors

Nothing in this Agreement shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement; provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing such services and each Party shall remain primarily liable to the other Party for the performance of such subcontractor.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

Garkane Energy Cooperative Inc.	[Insert name of Interconnection Customer]
_____	_____
Signed:_____	Signed: _____
Name (Printed):	Name (Printed):
_____	_____
Title:_____	Title: _____

ATTACHMENT 8 – FACILITIES STUDY AGREEMENT

Facilities Study Agreement

THIS AGREEMENT is made and entered into this_____day of _____

20___by and_____,a

_____organized and existing under the laws of the State of

_____, ("Interconnection Customer,") and

Garkane Energy Cooperative, Inc. a Distribution Electric Cooperative existing under the laws of the State of Utah and Arizona, ("Garkane"). Interconnection Customer and Garkane each may be referred to as a "Party," or collectively as the "Parties."

RECITALS

WHEREAS, Interconnection Customer is proposing to develop a _____ kW generating facility (the "Facility") consistent with the Application completed by Interconnection Customer on_____ ____; and

WHEREAS, Interconnection Customer desires to interconnect the Facility with Garkane's Distribution System; and

WHEREAS, the Parties have agreed to perform a Facilities Study to assess the feasibility of interconnecting the customers proposed Generation Facility with Garkane's Distribution System.

NOW, THEREFORE, in consideration of and subject to the mutual covenants contained herein the Parties agreed as follows:

35. When used in this Agreement, with initial capitalization, the terms specified shall have the meanings indicated or the meanings specified in the standard Utah Electrical Interconnection Rule R746-312 and FERC SGIP.
36. The Interconnection Customer elects and Garkane shall cause to be performed an interconnection Facilities Study consistent to the standard of care described in Utah Electrical Interconnection Rule R746-312, FERC's Small Generator Interconnection Procedures and Good Utility Practice.
37. The scope of the Facilities Study shall be subject to the assumptions set forth in Attachment A to this Agreement.
38. The Facilities Study shall be based on the technical information provided by the Interconnection Customer in the Interconnection Request, as may be modified as the result of the scoping meeting. Garkane reserves the right to request additional technical information from the Interconnection Customer as may reasonably become necessary consistent with Good Utility Practice during the course of the study. If the Interconnection Customer modifies its Interconnection Request, the time to complete the Facilities Study may be extended by agreement of the Parties.

39. In performing the study, Garkane shall rely, to the extent reasonably practicable, on existing studies of recent vintage. The Interconnection Customer shall not be charged for such existing studies; however, the Interconnection Customer shall be responsible for charges associated with any new study or modifications to existing studies that are reasonably necessary to perform the feasibility study.

40. The Facilities Study report shall provide the following analyses for the purpose of identifying any potential adverse system impacts that would result from the interconnection of the Small Generating Facility as proposed:

    a. Initial identification of any circuit breaker short circuit capability limits exceeded as a result of the interconnection;

    b. Initial identification of any thermal overload or voltage limit violations resulting from the interconnection;

    c. Initial review of grounding requirements and electric system protection; and

    d. Description and non-binding estimated cost of facilities required to interconnect the proposed Small Generating Facility and to address the identified short circuit and power flow issues.

41. Once the study is completed, Garkane will provide an study report to the Interconnection Customer. Barring unusual circumstances, Garkane expects to have the study report completed and transmitted to Interconnection Customer within 30 Business Days of Interconnection Customer's execution of this Agreement.

42. Interconnection Customer will pay for Garkane's actual costs incurred for preparing the study, which will consist solely of (i) the complete cost incurred by Garkane for its third-party engineering contract (included herein as Attachment A) and (ii) time spent by Garkane's technical staff (at Garkane's typical rates) on the Facilities Study (e.g., assisting the third-party consultant, plus reviewing and confirming the accuracy of the study report).

43. Garkane's good faith cost estimate to conduct the Facilities Study is_____ (included herein as Attachment B). A deposit equal to the estimate is due prior to work starting on the Feasibility Study. Any deposit funds left after completion of a study will be refunded back to the applicant. If a balance of funds is owed Garkane for time spent working on the study the customer will be invoiced. A summary of Garkane staff and contractor time will be provided to the interconnection customer at the completion of any study. Payment of the invoice shall be made prior to Garkane releasing the report to the customer.

44. <u>Governing Law, Regulatory Authority, and Rules</u>

    The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by the laws of the state of Utah without regard to its conflicts of law principles. This Agreement is subject to all Applicable Laws and Regulations. Each Party expressly reserves the

right to seek changes in, appeal, or otherwise contest any laws, orders, or regulations of a Governmental Authority.

45. Amendment

The Parties may amend this Agreement by a written instrument duly executed by both Parties.

46. No Third-Party Beneficiaries

This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and where permitted, their assigns.

47. Waiver

13.1 The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such Party.

13.2 Any waiver at any time by either Party of its rights with respect to this Agreement shall not be deemed a continuing waiver or a waiver with respect to any other failure to comply with any other obligation, right, duty of this Agreement. Termination or default of this Agreement for any reason by Interconnection Customer shall not constitute a waiver of the Interconnection Customer's legal rights to obtain an interconnection from Garkane, subject to any appropriate studies to assess and to address the impact of the interconnection on Garkane's system and any Affected Systems. Any waiver of this Agreement shall, if requested, be provided in writing.

48. Multiple Counterparts

This Agreement may be executed in two or more counterparts, each of which is deemed an original, but all constitute one and the same instrument.

49. No Partnership

This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties or to impose any partnership obligation or partnership liability upon either Party. Neither 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, the other Party.

50. Severability

If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction or other Governmental Authority, (1) such portion or provision shall be deemed separate and independent, (2) the Parties shall negotiate in good faith to restore insofar as practicable the benefits to each Party that were affected by such ruling, and (3) the remainder of this Agreement shall remain in full force and

effect.

51. Subcontractors

Nothing in this Agreement shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement; provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing such services and each Party shall remain primarily liable to the other Party for the performance of such subcontractor.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

Garkane Energy Cooperative Inc.	[Insert name of Interconnection Customer]
Signed:	Signed:
Name (Printed):	Name (Printed):
Title:	Title: