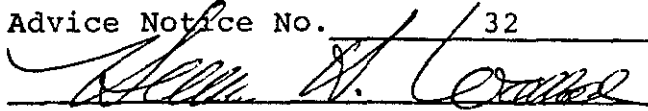


ROOSEVELT COUNTY ELECTRIC COOPERATIVE, INC.
ORIGINAL FORM NO. 12

APPLICATION FOR INTERCONNECTION BY A QUALIFYING FACILITY

~~SUBSTITUTE~~

Advice Notice No. 32



Herman H. Wallace

General Manager

APPROVED

DEC 7 1987

NEW MEXICO PUBLIC SERVICE COMMISSION
By Commission Case # 2102

ROOSEVELT COUNTY ELECTRIC COOPERATIVE, INC.

APPLICATION FOR INTERCONNECTION

by a QUALIFYING FACILITY
PURSUANT TO GENERAL ORDER NO. 37
of the NEW MEXICO PUBLIC SERVICE COMMISSION

Date of Application _____, 19__

IDENTIFYING INFORMATION:

CORPORATE/BUSINESS/OWNER-OPERATOR
BUSINESS ADDRESS

LOCATION OF QUALIFYING FACILITY;
(provide legal description)

SERVICE POINT LOCATION:

ELEVATION AT QUALIFYING FACILITY: _____ FEET above MSL.

CONTACT PERSON: NAME
TITLE
TELEPHONE NO. () -

NATURE OF APPLICANT:

CHECK ONE: COGENERATION FACILITY A.
SMALL POWER PRODUCTION FACILITY B.

IF A. IS CHECKED: Provide a general description of the
COGENERATION FACILITY & process:
(ie: how does the FACILITY meet the
COGENERATION operating and efficiency
standards of 18 CFR 292.205):

ROVED

7.1987

REG. COMMISSION

Case # 2102

ROOSEVELT COUNTY ELECTRIC COOPERATIVE, INC.

APPLICATION FOR INTERCONNECTION

IF B. IS CHECKED: Provide a general description of the SMALL POWER PRODUCTION FACILITY: _____

QUALIFYING FACILITY STATUS:

IN WHAT MANNER HAS THE APPLICANT ESTABLISHED QUALIFYING FACILITY STATUS UNDER 18 CFR 292 (please identify applicable section)?

18 CRF 292.207 (a) _____ or 18 CRF 292.207 (B) _____

IF QUALIFYING FACILITIES STATUS HAS NOT YET BEEN ESTABLISHED, WHEN IS IT ANTICIPATED TO BE ESTABLISHED? _____, 19____

IS QUALIFYING FACILITY STATUS EXPECTED TO BE ESTABLISHED UNDER 18 CFR 292.207(a) _____ or 18 CFR 292.207(b) _____?

PLEASE INDICATE THE MANNER IN WHICH THE FOLLOWING 18 CFR 292 CRITERIA IS, OR WILL BE, MET:

-IF A SMALL POWER PRODUCTION FACILITY:

292.204(a) SIZE: _____

292.204(b) FUEL USE: _____

-IF A COGENERATION FACILITY:

292.205(a) TOPPING CYCLE: _____

292.205(b) BOTTOMING CYCLE: _____

-292.206 OWNERSHIP CRITERIA: _____

HAVE THERE BEEN, OR WILL THERE BE, ANY WAIVERS REQUESTED? _____
IF YES, FOR WHAT PURPOSE AND WHAT IS THE CURRENT STATUS OF THE REQUEST? _____

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NEW MEXICO PUBLIC SERVICE COMMISSION

By *Commissioner Case* *2192

ROOSEVELT COUNTY ELECTRIC COOPERATIVE, INC.

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HAS QUALIFYING FACILITY STATUS BEEN CHALLENGED BY ANYONE AT THE FEDERAL ENERGY COMMISSION? _____ IF SO, BY WHOM? _____

WHAT IS THE CURRENT STATUS OF THE CHALLENGE? _____

GENERAL INFORMATION:

- IS THE APPLICANT FAMILIAR WITH THE REQUIREMENT OF GENERAL ORDER NO. 37 REGARDING THE SECURITY OBLIGATIONS OF QUALIFYING FACILITIES? _____
- IS THE APPLICANT FAMILIAR WITH THE REQUIREMENT OF GENERAL ORDER NO. 37 THAT THE APPLICANT IS OBLIGED TO PAY FOR REQUIRED INTERCONNECTION FACILITIES? _____
- IS THE APPLICANT FAMILIAR WITH THE REQUIREMENT OF GENERAL ORDER NO. 37 THAT THE QUALIFYING FACILITY MUST MEET INTERCONNECTION AND SAFETY STANDARDS? _____
- IS THE APPLICANT FAMILIAR WITH THE REQUIREMENT OF GENERAL ORDER NO. 37 THAT THE QUALIFYING FACILITY MUST PROVIDE ALL NECESSARY EASEMENTS AND RIGHTS OF WAY AT NO COST TO THE UTILITY? _____

- LIST THE EASEMENTS & R.O.W. THAT ARE REQUIRED:

- INDICATE THE CURRENT STATUS OF EACH EASEMENT & R.O.W.:

- PLEASE PROVIDE THE FOLLOWING INFORMATION REGARDING THE LICENSED PROFESSIONAL ENGINEER WHO WILL BE RESPONSIBLE FOR THE QUALIFYING FACILITY INSTALLATION:

NAME _____

ADDRESS _____

NEW MEXICO PE NUMBER _____

TELEPHONE NUMBER () - _____

- WHAT CONTRACT TERM DOES THE APPLICANT ANTICIPATE? _____ YEARS.

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By Commissioner # 2103

ROOSEVELT COUNTY ELECTRIC COOPERATIVE, INC.

APPLICATION FOR INTERCONNECTION

- WHAT IS THE CURRENTLY ANTICIPATED DATE OF INTERCONNECTION _____, 19_____
- WHAT IS THE CURRENTLY ANTICIPATED CONTRACT CAPACITY? _____ kW
- WHAT IS THE CURRENTLY ANTICIPATED NAMEPLATE RATING OF THE QUALIFYING FACILITY (adjusted pursuant to GENERAL ORDER N. 37)? _____ kW
- IS THE QUALIFYING FACILITY CURRENTLY RECEIVING ELECTRIC SERVICE? _____ IF SO, FROM WHAT UTILITY? _____
- WHAT IS THE ANTICIPATED MAINTENANCE SCHEDULE FOR THE QUALIFYING FACILITY? _____
- WHAT IS THE ANTICIPATED FORCED OUTAGE RATE OF THE QUALIFYING FACILITY? _____
- WHAT IS THE CURRENTLY ANTICIPATED ANNUAL ENERGY TO BE SOLD TO THE UTILITY? _____ kW

TECHNICAL INFORMATION:

GENERATOR:

STATION NAME _____
 UNIT NUMBER _____
 MANUFACTURER _____
 TYPE (Synchronous induction, d.c., photovoltaic, etc.) _____
 SERIAL NUMBER(s) _____
 KILOWATT RATING _____
 KILOWATT-AMPERE RATING _____
 RATED POWER FACTOR (%) _____
 RATED TERMINAL VOLTAGE (kv) _____
 RATED LINE CURRENT (AMPERES) _____
 NUMBER OF PHASES & FREQUENCY _____
 SPEED (RPM) _____

FOR SYNCHRONOUS GENERATORS:

FIELD AMPERES _____
 FIELD VOLTS _____
 SYNCHRONOUS REACTANCE _____ % on _____ kVA Base
 TRANSIENT REACTANCE _____ % on _____ kVA Base
 SUBTRANSIENT REACTANCE _____ % on _____ kVA Base
 ZERO SEQUENCE REACTANCE _____ % on _____ kVA Base
 NEGATIVE SEQUENCE REACTANCE _____ % on _____ kVA Base
 MOTORING POWER _____

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APPLICATION FOR INTERCONNECTION

PRIME MOVER:

MANUFACTURER _____
TYPE (turbine, collector, etc.) _____
DESCRIPTION OF FUEL OR ENERGY SOURCE (wind, solar, hydro, cogeneration or other): _____

CAN THE PRIME MOVER BE FUELED BY AN ALTERNATE FUEL OR ENERGY SOURCE? _____ IF SO, PLEASE DESCRIBE: _____

- IF YES, LIST ALTERNATE SOURCES: _____

IF HYDRO, INDICATE NATURE OF WATER POWER SOURCE & FLOW CHARACTERISTICS (run of river, etc.) _____

- PROVIDE COPIES OF ALL HISTORICAL DATA ON THE WATER SOURCE AS IT MAY AFFECT THE OPERATION AND DAILY AND SEASONAL OUTPUT OF THE FACILITY.

INTERFACE CIRCUIT:

DESCRIBE THE TYPE OF INTERFACE ENERGY CONVERSION PROCESS (battery/inverter) _____

MANUFACTURER _____
TYPE _____
SERIAL NUMBER _____

UNIT CHARACTERISTICS (Combined generator & interface circuit):

- Maximum generated electric power at the interface output point, ie, the maximum net capacity that can be delivered into the network at the nominal operating voltage,
 kW kVA
- Output voltage to system _____ kV, 60 hertz
 Indicate whether single phase _____ or three phase _____.

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The following items apply to inverter installations only: PROVIDE

- An oscillographic print showing the wave shape at the interface terminals (output current). Also show an oscillographic print of the utility voltage. (Indicate on the print the wind velocity at the time of the test and the output capacity supplied to the system, if applicable to a wind energy source.) If actual data is not available, oscillograms of like installations will be acceptable.
- Measured or estimated power factor at the interface output terminals at the equipment maximum output. There should be certified test reports or calculations.
- Measured or estimated wave-shape distortion, at the interface output terminals, at the equipment's maximum output. Provide a list of percent harmonic distortion for each harmonic. These should be certified test reports or calculations.

PROTECTION EQUIPMENT:

MANUFACTURER

TYPE OR STYLE

-
- Provide an operational description and diagram (including protection device settings) for the tripping of the interface or generator circuit breaker for both:
 - a. Outage of the utility voltage, and
 - b. short circuits on utility;
 - 1. three phase
 - 2. single phase - ground.
 - The name of the individual or New Mexico licensed electrical contractor or licensed electrician responsible for maintenance of the circuit breaker (if the circuit breaker is owned by the Qualifying Facility):
-

If the above person is later changed, the applicant shall provide notification in writing of the firm or individual who is then responsible for the described maintenance.

ADDITIONAL REQUIREMENTS:

- Please attach a detailed one line electrical diagram showing generating equipment, protective features and interface point with the utility grid.

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NEW MEXICO PUBLIC SERVICE COMMISSION

By Commissioner *2102

ROOSEVELT COUNTY ELECTRIC COOPERATIVE, INC.

APPLICATION FOR INTERCONNECTION

APPROVALS, PERMITS AND LICENSES:

- PROVIDE A COMPLETE LIST OF ALL APPROVALS, PERMITS AND LICENSES THAT ARE OR WILL BE REQUIRED FROM ANY AND ALL GOVERNMENT AGENCIES, FEDERAL, STATE AND LOCAL, THAT ARE OR WILL BE IN ANY WAY AND FOR ANY PURPOSE ASSOCIATED WITH THE DESIGN, CONSTRUCTION, OPERATION AND MAINTENANCE OF THE QUALIFYING FACILITY. INDICATE THE DATE EACH SUCH APPROVAL, PERMIT AND LICENSE WAS (OR WILL BE) APPLIED FOR AND THE DATE EACH WAS (OR IS ANTICIPATED TO BE) APPROVED.

THIRD PARTY CUSTOMERS OF QUALIFYING FACILITY:

- DOES THE APPLICANT ANTICIPATE THAT THERE WILL BE ANY THIRD PARTY CONSUMERS OF THE QUALIFYING FACILITY?
- IF YES, PLEASE IDENTIFY ALL ANTICIPATED THIRD PARTY CONSUMERS?

- WHAT ARE THE LEGAL/FINANCIAL ARRANGEMENTS BETWEEN THE QUALIFYING FACILITY AND THIRD PARTY CONSUMERS?

- SPECIFY THE CONTRACTUAL ARRANGEMENTS ANTICIPATED BETWEEN THE QUALIFYING FACILITY AND THIRD PARTY CONSUMERS FOR:

INSURANCE: _____
 SURETY: _____
 SECURITY: _____

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ROOSEVELT COUNTY ELECTRIC COOPERATIVE, INC.

APPLICATION FOR INTERCONNECTION

ATTESTATION:

THE FOLLOWING SIGNATURE IS THAT OF A PERSON/CORPORATE OFFICER OR OWNER RESPONSIBLE FOR AND HEREBY ATTESTING TO THE COMPLETENESS AND ACCURACY OF THAT DATA AND INFORMATION PROVIDED IN THE APPLICATION:

Signature _____
Type Name _____
Title _____

THIS APPLICATION SHALL BE ACKNOWLEDGED BELOW BY THE PERSON SIGNING ABOVE:

STATE OF: _____)
_____) ss.
COUNTY OF: _____)
This application was acknowledged before me on this _____
_____ day of _____, 19 ____ by _____
_____ of
_____, a _____.

NOTARY PUBLIC
My Commission Expires _____, 19 ____

PLEASE NOTE: AN EXECUTED COPY OF THIS APPLICATION SHALL BE CONCURRENTLY SENT BY THE APPLICANT TO THE WHOLESALE SUPPLIER WITH WHICH THE APPLICANT INTENDS TO ARRANGE TO SELL THE ENERGY GENERATED BY THE QUALIFYING FACILITY.

IF THERE IS INADEQUATE SPACE ON THIS FORM TO RESPOND TO ANY QUESTION OR TO PROVIDE ANY REQUESTED INFORMATION, PLEASE ATTACH SUPPLEMENTAL SHEETS HERETO PROVIDING SUCH RESPONSES AND INFORMATION.

TO BE ENTERED BY THE COOPERATIVE:
DATE APPLICATION RECEIVED _____, 19 ____

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DEC 7 1987

NEW MEXICO PUBLIC SERVICE COMMISSION
By *Commissioner* *See 2102*