

JEMEZ MOUNTAINS ELECTRICAL COOPERATIVE, INC.  
ORIGINAL FORM NO. 18

APPLICATION FOR INTERCONNECTION  
BY A QUALIFYING FACILITY

x  
x

Page 1 of 1

Attached to this sheet is the 8 page "Application for Interconnection by a Qualifying Facility".

~~SUBSTITUTE~~  
Advice Notice No. 30

Robert Garcia

Robert Garcia

General Manager

**APPROVED**

DEC 7 1987

NEW MEXICO PUBLIC SERVICE COMMISSION

By Commission Order # 2191

JEMEZ MOUNTAINS 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

Four horizontal lines for business address information.

LOCATION OF QUALIFYING FACILITY;
(provide legal description)

Four horizontal lines for location of qualifying facility.

SERVICE POINT LOCATION:
(JMEC Map Designation)

Four horizontal lines for service point location.

ELEVATION AT QUALIFYING FACILITY: \_\_\_\_\_ FEET above MSL.

CONTACT PERSON: NAME

Horizontal line for contact person name.

TITLE

Horizontal line for contact person 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):

Four horizontal lines for description of cogeneration facility.

APPROVED

DEC 7 1987

JEMEZ MOUNTAINS ELECTRIC COOPERATIVE, INC.

APPLICATION FOR INTERCONNECTION

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

Four horizontal lines for providing 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 CFR 292.207 (a) \_\_\_\_\_ or 18 CFR 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? \_\_\_\_\_

APPROVED

DEC 7 1987

NEW MEXICO PUBLIC SERVICE COMMISSION

By Commission Order # 2101

JEMEZ MOUNTAINS ELECTRIC COOPERATIVE, INC.

APPLICATION for INTERCONNECTION

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

**APPROVED**

DEC 7 1987

NEW MEXICO PUBLIC SERVICE COMMISSION

By Commission Order # 2101

JEMEZ MOUNTAINS 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 NO. 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 \_\_\_\_\_

**APPROVED**

DEC 7 1987

JEMEZ MOUNTAINS ELECTRIC COOPERATIVE, INC.

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 INTERACE 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,

- Output voltage to system \_\_\_\_\_ kw \_\_\_\_\_ kVA  
\_\_\_\_\_ kV, 60 hertz  
Indicate whether single phase \_\_\_\_\_ or three phase \_\_\_\_\_.

APPROVED

DEC 7 1987

JEMEZ MOUNTAINS ELECTRIC COOPERATIVE, INC.

APPLICATION for INTERCONNECTION

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. These 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 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 electrical 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.

**APPROVED**

DEC 7 1987

NEW MEXICO PUBLIC SERVICE COMMISSION

By Commission Order # 2101

JEMEZ MOUNTAINS 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 CUSTOMERS OF THE QUALIFYING FACILITY?
- IF YES, PLEASE IDENTIFY ALL ANTICIPATED THIRD PARTY CUSTOMERS? \_\_\_\_\_
- WHAT ARE THE LEGAL/FINANCIAL ARRANGEMENTS BETWEEN THE QUALIFYING FACILITY AND THIRD PARTY CUSTOMERS? \_\_\_\_\_
- SPECIFY THE CONTRACTUAL ARRANGEMENTS ANTICIPATED BETWEEN THE QUALIFYING FACILITY AND THIRD PARTY CUSTOMERS FOR:
  - INSURANCE: \_\_\_\_\_
  - SURETY: \_\_\_\_\_
  - SECURITY: \_\_\_\_\_

APPROVED

DEC 7 1987

NEW MEXICO PUBLIC SERVICE COMMISSION

By Commission Order # 2181



JEMEZ MOUNTAINS 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: \_\_\_\_\_ )  
COUNTY OF: \_\_\_\_\_ ) ss.

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\_\_\_\_  
\*\*\*\*\*

**APPROVED**

DEC 7 1987

NEW MEXICO PUBLIC SERVICE COMMISSION  
By Commission Order # 2121