

Los Alamos County Utilities

Application for Operation of Customer-Owned Generation

NOTE: This application should be completed and returned to the Utility to commence the process request. The information in this application will be used by the Utility to determine the electrical requirements for the utility and generator interface.

OWNER/APPLICANT INFORMATION

Company: _____

Mailing Address: _____

City: _____ County: _____ State: _____ Zip Code: _____

Phone Number: _____ Representative: _____

PROJECT DESIGN ENGINEER (as applicable)

Company: _____

Mailing Address: _____

City: _____ County: _____ State: _____ Zip Code: _____

Phone Number: _____ Representative: _____

ELECTRICAL CONTRACTOR (if different than project design engineer)

Company: _____

Mailing Address: _____

City: _____ County: _____ State: _____ Zip Code: _____

Phone Number: _____ Representative: _____

TYPE OF GENERATOR

Photovoltaic _____ Wind _____

EST. LOAD, GEN. RATING AND MODE OF OPERATION

The following information will be used to design the Utility customer interconnection. This information is not intended as a commitment or contract for billing purposes.

Total Site Load _____ (kW)

Type: Residential _____ Commercial _____ Industrial _____

Generator Rating _____ (kW) Estimated Annual Generation _____ (kWh)

Mode of Operation (at customer delivery point)

Parallel (standard) _____ Isolated (non-standard) _____

DESCRIPTION OF PROPOSED INSTALLATION AND OPERATION

Give a general description of the proposed installation and when you plan to operate the generator. **Separately, provide a site map** of the generator installation relative to the electrical service entrance (utility meter location).

INVERTER DATA (if available)

Manufacturer: _____ Model: _____
 Rated Power Factor (%): _____ Rated Voltage (Volts): _____ Rated Amperes: _____
 Inverter Type (ferroresonant, step mod., pulse wm, etc): _____

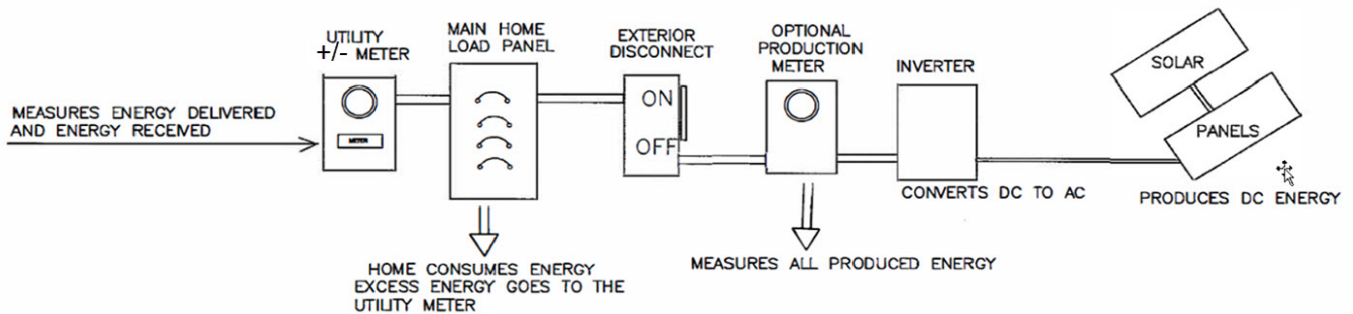
CIRCUIT BREAKER (if available)

Manufacturer: _____ Model: _____
 Rated Voltage and Phase (1PH or 3PH): _____ Rated ampacity (*Amps*) _____
 Short Circuit Interrupting rating (*Amperes*): _____ BIL Rating: _____

ADDITIONAL INFORMATION

Separately and for your PV system, please provide a detailed one-line diagram for the equipment illustrated in the diagram below. Also, refer to the LAC typical PV system installation diagram for additional detail requirements.

TYPICAL PHOTOVOLTAIC INSTALLATION



SIGN OFF AREA

The customer agrees to provide the Utility with the generator interconnection requirements called for in this application. Note: Failure to comply with these requirements may delay the processing of this application. In addition, the customer agrees to comply with the requirements called for in the Standard Interconnection Agreement and in the Utility's Electric Rule E-5. The customer understands that rates and rate structures are not guaranteed to any point in the future.

Applicant

Date

ELECTRIC UTILITY CONTACT FOR APPLICATION SUBMISSION AND FOR MORE INFORMATION:

Utility contacts: Mariano Montoya, Engineering Associate

Address: 1000 Central Avenue, Suite 130
 Los Alamos, New Mexico 87544

Phone: (505) 663-1828

e-mail: mariano.montoya@lacnm.us

No.

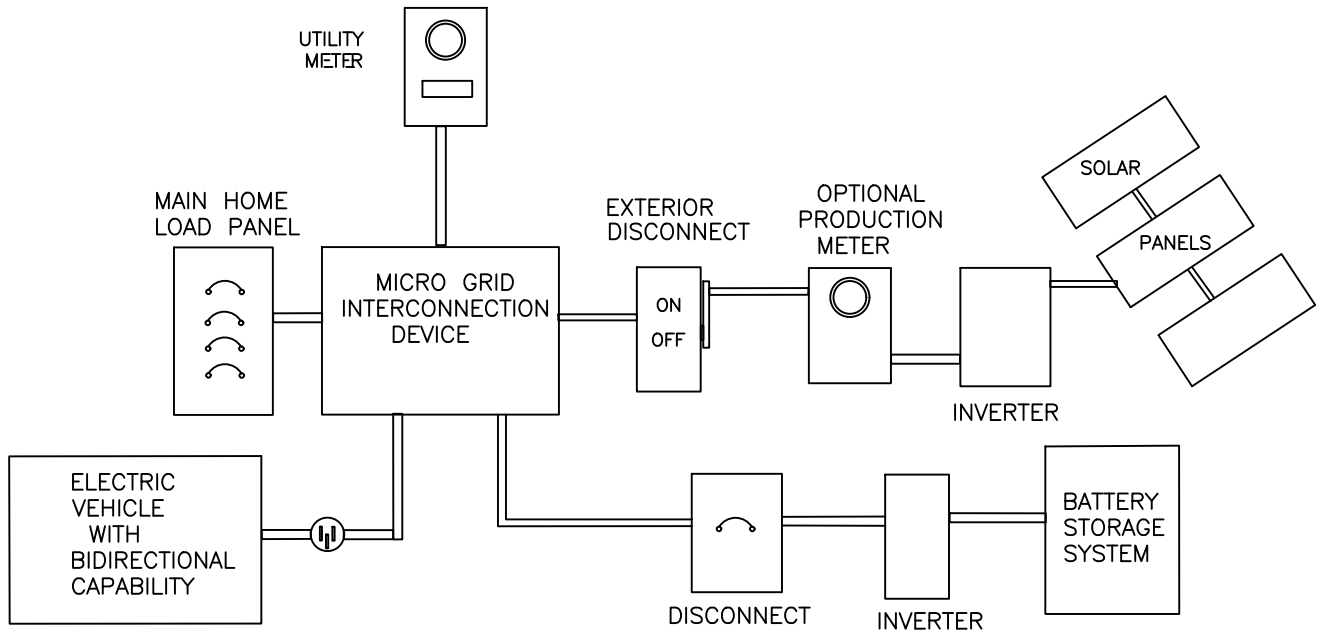
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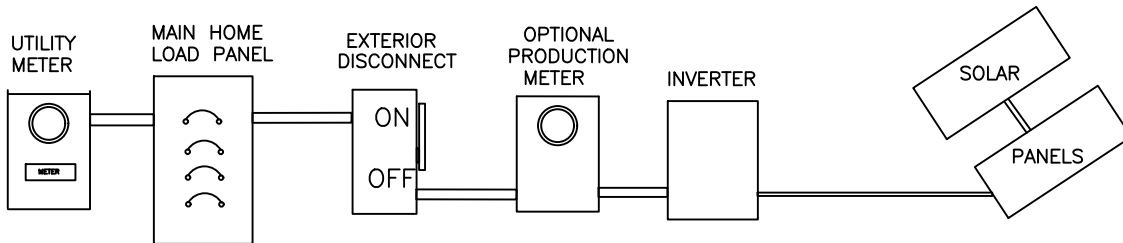
APPROVED BY: STEPHEN MAREZ

DATE: MARCH 2024

PHOTOVOLTAIC INSTALLATION WITH BATTERY BACKUP AND VEHICLE TO HOME (V2H) CHARGING CAPABILITY



TYPICAL PHOTOVOLTAIC INSTALLATION



NOTES

- 1.) ALL ELECTRIC INSTALLATIONS SHALL FOLLOW NATIONAL ELECTRIC CODE, NATIONAL ELECTRIC SAFETY CODE, LOS ALAMOS COUNTY COMMUNITY DEVELOPMENT AND NM CONSTRUCTION INDUSTRIES STANDARDS.
- 2.) THE SERVICE METER SHALL BE CLEAR AND ACCESSIBLE TO UTILITY PERSONNEL AT ALL TIMES.
- 3.) THE AC DISCONNECT SWITCH SHALL BE FOR UTILITY USE ONLY AND MOUNTED NEXT TO THE UTILITY METER.
- 4.) THE CUSTOMER PV METER FOR MEASURING ENERGY PRODUCED BY THE PV SOURCE SHALL BE LABELED "PV METER". THE CUSTOMER PV (REC) METER IS OPTIONAL IF THE INVERTER INCLUDES A METER. PV METER IS PROVIDED AND OWNED BY THE CUSTOMER.
- 5.) THE UTILITY METER IS PROVIDED AND OWNED BY THE UTILITY. IT IS USED TO MEASURE THE AMOUNT OF ENERGY DELIVERED BY THE UTILITY TO THE CUSTOMER AND THE ENERGY PRODUCED BY THE QUALIFYING PRODUCTION FACILITY AND DELIVERED TO THE UTILITY.
- 6.) ALL SERVICE ENTRANCE EQUIPMENT SHALL BE GROUPED TOGETHER : CLEAR AND ACCESSIBLE TO UTILITY AT ALL TIMES.