

Dawson Public Power District

Net Metering Generation Application for Interconnection

Applies to systems 25 KW AC or less, according to Nebraska Statute 70-2001 to 70-2005

Dawson PPD Account Number _____ Date of application onset _____

Dawson PPD Account Owner's Name _____

Mailing address _____

Legal land mapping description of installation _____

Installation address, if different from mailing address _____

Phone number _____ Cell phone number _____

Email address _____

Acknowledgement of Responsibility

I hereby acknowledge that it is the Customer-Generator's responsibility to meet all federal, state and local laws and statutes; all applicable codes and standards, including but not limited to: IEEE 1547, NFPA 70, NESC, UL, IBC, Life Safety Code and Dawson Public Power District policies and procedures.

In addition to these standards, I understand that Dawson PPD requires an AC disconnect adjacent to or within 3 ft. of Dawson PPD's meter for utility worker safety. The AC disconnect is defined in NEC 705.20 to 705.22 and must meet the requirements of NEC 110.25, lockable in the open position.

I also understand that this entire application form must be completed and returned before Dawson PPD can approve the project. I will not proceed with the installation of equipment based upon parallel operation with Dawson PPD until I have received written approval from an authorized Dawson PPD representative.

Account holder's signature _____ Date _____

(signed and dated upon completion and submission of application)

Please note the following

- As per Nebraska Statute 70-2004 Section 2, the customer-generator is responsible for notifying Dawson PPD of their intent to install a net metering Qualified Facility at least 60 days prior to its installation and is responsible for all costs associated with the Qualified Facility.
- This application will be reviewed by Dawson PPD's engineering department. A modeling study will be conducted to determine what, if any, changes will need to be made to Dawson PPD's electrical system. If changes are required, the Customer-Generator is responsible for those costs as outlined in Nebraska Statute 70-2003 Section 1 prior to bringing the generation on-line.
- Net metering will not be activated until all documentation is completed and provided to Dawson PPD. It is the Customer-Generator's responsibility to submit all required documentation.

Required documents for Approval of Interconnection

- ☐ Net Metering Generation Application for Interconnection
- ☐ Specification sheets for Renewable Generator, showing technical information
- ☐ Specification sheets for Inverter, showing technical information (if applicable)
- ☐ Specification sheets for Renewable Generator step-up transformer (if applicable)
- ☐ One-line diagram of system electrical components including interconnection to Dawson PPD
 - ☐ Diagram includes the location of a lockable disconnect no more than 3 ft. from the DPPD meter
- ☐ Site plan showing buildings, equipment locations, and Dawson PPD equipment (meters, transformers)
- ☐ Dawson PPD Engineering Analysis approval

Required documents to begin Net Metering upon completion of installation

- ☐ Approved State Electrical Inspection, copy to Dawson PPD
- ☐ Dawson PPD Interconnection and Service Agreement

Facility Designer or Consultant _____

Contact person _____

Phone number _____

Cell phone number _____

Email address _____

Mailing address _____
City State Zip**System Installer** _____

Contact person _____

Phone number _____

Cell phone number _____

Email address _____

Mailing address _____
City State Zip**Licensed Electrical Contractor** _____

Contact person _____

Phone number _____

Cell phone number _____

Email address _____

Mailing address _____
City State Zip**Site information**Is this electrical service site constructed for a seasonal use such as an irrigation or stock well? ☐ No ☐ Yes

Customer-Generator's proposed date for construction completion, ready for interconnection _____

1. Renewable Generation Type (check one)

☐ Solar ☐ Wind ☐ Hybrid ☐ Hydro ☐ Biomass ☐ Geothermal ☐ Methane

2. Renewable Generator Identification

Unit Manufacturer _____

Model number, reference number, style or type _____

3. Renewable Generator Interconnect Characteristics

(With submittal of specification sheets, please include transformer ratings, if installed)

Type: ☐ Synchronous ☐ Induction ☐ Inverter/Converter

Phase: ☐ Single ☐ Three

Frequency _____ Hz

Information below is: ☐ Per unit ☐ Combined units (if Solar, Number of Panels _____)

Maximum System Output Power _____ KW ☐ AC ☐ DC

Nominal System Output Voltage _____ V ☐ AC ☐ DC

4. Photovoltaic (PV) Facility Orientation ☐ Check if not applicable

If the system is fixed orientation, you may select multiple direction boxes.

☐ Fixed orientation ☐ South ☐ West ☐ East ☐ North

☐ Tracking

5. Inverter Characteristics ☐ Check if not applicable

Unit Manufacturer _____

Model number, reference number, style or type _____

☐ Central Inverter(s): Quantity _____

☐ Microinverter(s): Quantity _____

☐ Meets UL 1741 (required)

☐ Meets IEEE 1547 (required)

Rated Output Power Capacity (per unit) _____ KW AC

Total Output Power Capacity (if multiple inverters) _____ KW AC

Nominal Input Operating Voltage (per unit) _____ VDC

6. Renewable Generator step transformer Nameplate Ratings ☐ Check if not applicable

Rated KVA _____ OA Rating

Impedance _____ % Z

Resistance _____ % R

No Load Loss _____ KW

High side KV _____ KV (Winding rating for single phase, KV line-to-line for 3 phase)

High side connection (3 phase only) ☐ Wye-Gnd ☐ Wye ☐ Delta

Low side KV _____ KV (Winding rating for single phase, KV line-to-line for 3 phase)

Low side connection (3 phase only) ☐ Wye-Gnd ☐ Wye ☐ Delta

Dawson PPD will contact you if additional information is needed.

Review of Net Metering Application by Dawson PPD

All information on this page to be completed by Dawson PPD Personnel

Demand/Consumption History, to be completed prior to application onset by Dawson PPD Energy Services

Customer average billing period demand (minimum 1 year lookback) _____ KW

Monthly maximum demand _____ KW Monthly minimum demand _____ KW

Customer average monthly consumption (minimum 1 year lookback) _____ kWh

Monthly maximum consumption _____ kWh Monthly minimum consumption _____ kWh

Time period for data _____ to _____

Notes: _____

Dawson PPD Engineering Analysis, to be completed after this application form is returned by the customer

☐ Yes, this generation project meets the guidelines for net metering as of _____. Upgrades to the Dawson PPD electrical system will NOT be required at this time. The generator can begin operation when the required documents are completed and filed with Dawson PPD.

Substation _____ Circuit _____ Phase _____

☐ No, this generation project does not currently meet the guidelines for net metering as of _____. A letter, which explains why the project does not meet the guidelines for net metering, has been mailed to the customer on _____.

If Dawson PPD's system needs to be upgraded before a generation system can be brought on-line, the customer may request an estimate of cost. The estimate of cost is valid for 30 days from the date of issue.

Dawson PPD electrical engineer signature _____

Additional Dawson PPD Review Process, to be completed prior to signing Interconnection Agreement

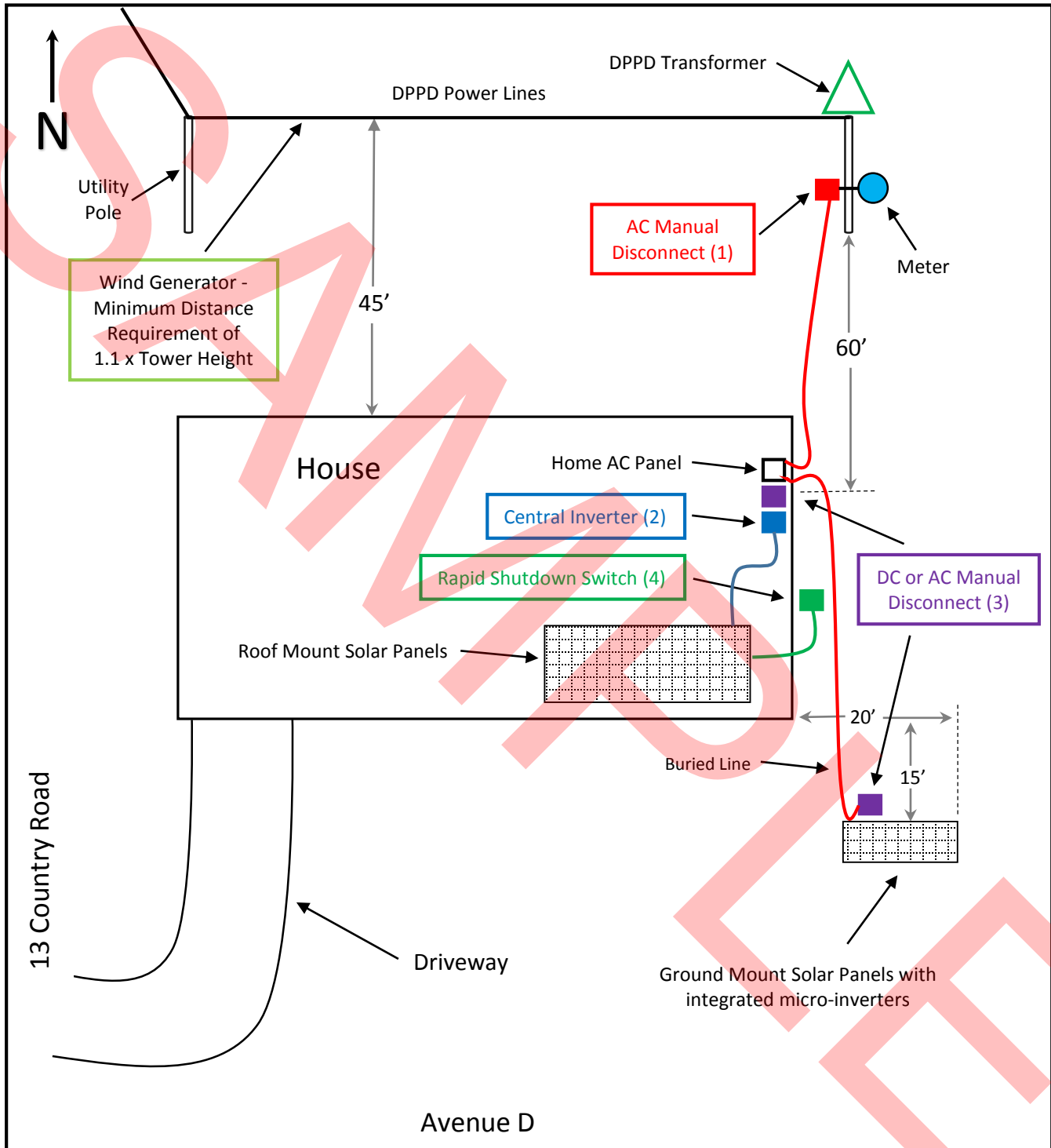
☐ Metering changed for net metering

☐ Rate updated to reflect NMRR with billing

☐ Dawson PPD GIS mapping updated

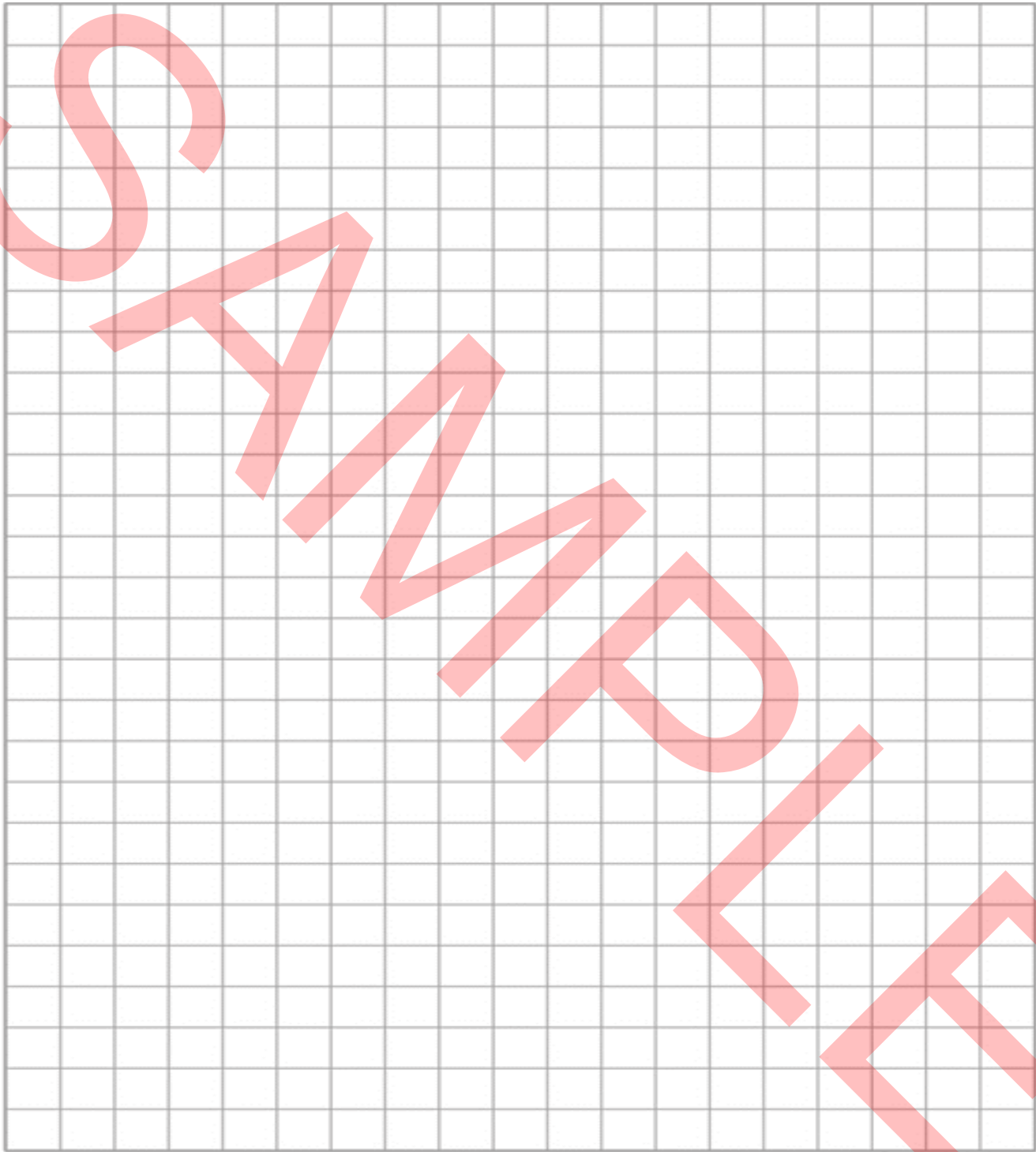
☐ Energy services reviewed, filed information

Net Metering Application Sample Site Plan



- | | | | |
|--|---|--|--|
| (1) Required AC Manual Disconnect within 3 ft of meter | (2) Inverter with Automatic DC Disconnect | (3) DC Manual Disconnect within 10 ft of solar array | (4) Rapid Shutdown Switch per NEC 690.12 |
|--|---|--|--|

Net Metering Application
Site Plan



(1) Required AC
Manual Disconnect
within 3 ft of meter

(2) Inverter with
Automatic DC
Disconnect

(3) DC Manual
Disconnect within
10 ft of solar array

(4) Rapid Shutdown
Switch per
NEC 690.12

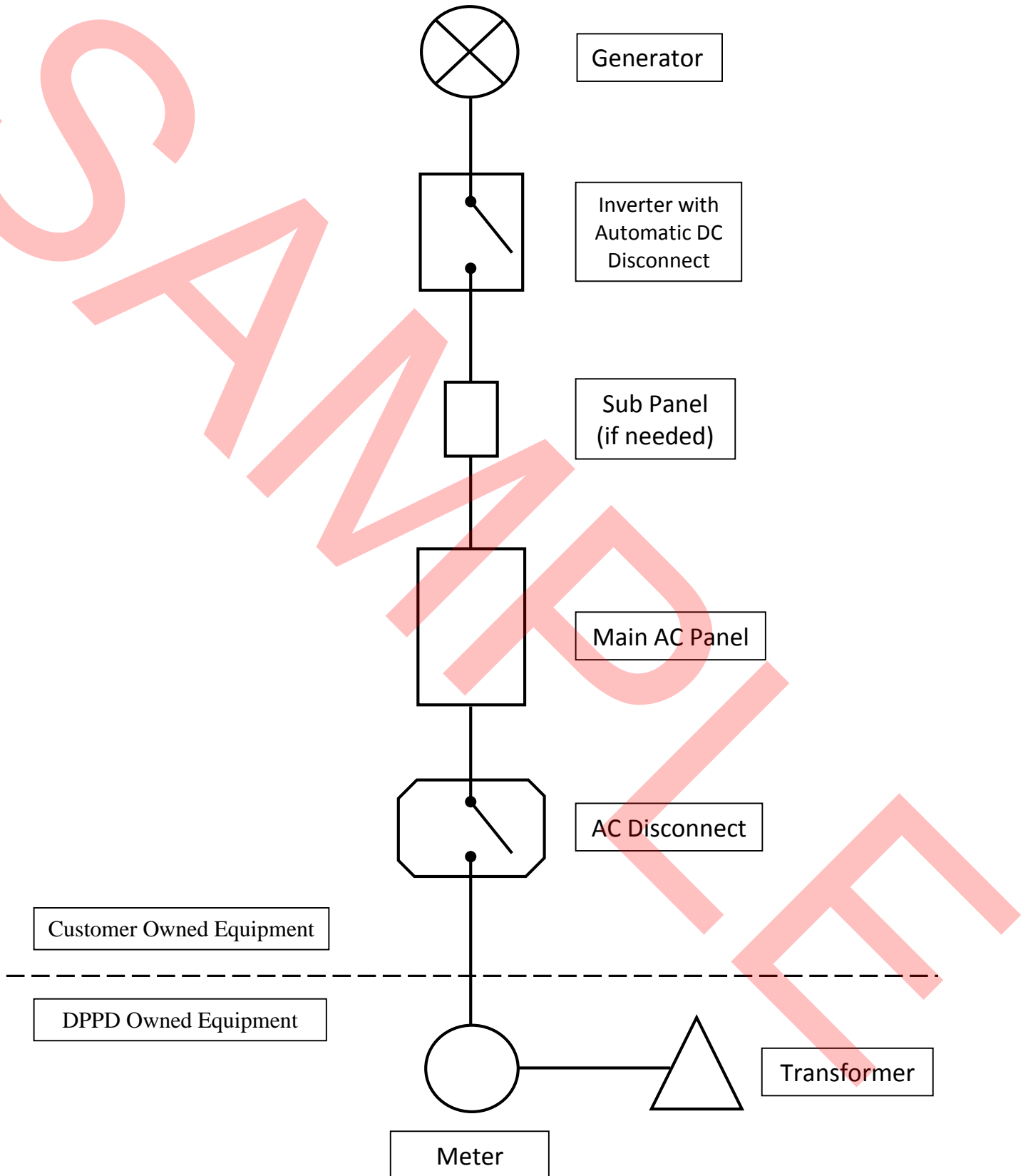
Net Metering Application Site Plan Checklist

- ☐ Location and labeling of all building structures
- ☐ Location and labeling of nearby roads and driveways
- ☐ Location of Generator(s)
Roof mount, ground mount, tower?
- ☐ Location of DPPD meter, power lines and poles
Clearance requirement for Wind Generator
- ☐ Location of AC disconnect
Within 3 ft of DPPD meter
- ☐ Location of Rapid Shutdown Switch (*if installed*)
Per NEC 690.12 for Solar Installations
- ☐ Location of Inverter(s) (*if installed*)
On roof, next to electrical main, behind solar panels?
- ☐ Location of DC disconnect (*if installed*)
- ☐ Location of backup batteries (*if installed*)
- ☐ Location of other functional and safety equipment as listed below

- ☐ _____
- ☐ _____
- ☐ _____

Notes _____

Net Metering Application Sample One-Line Diagram



Net Metering Application
One-Line Diagram

