

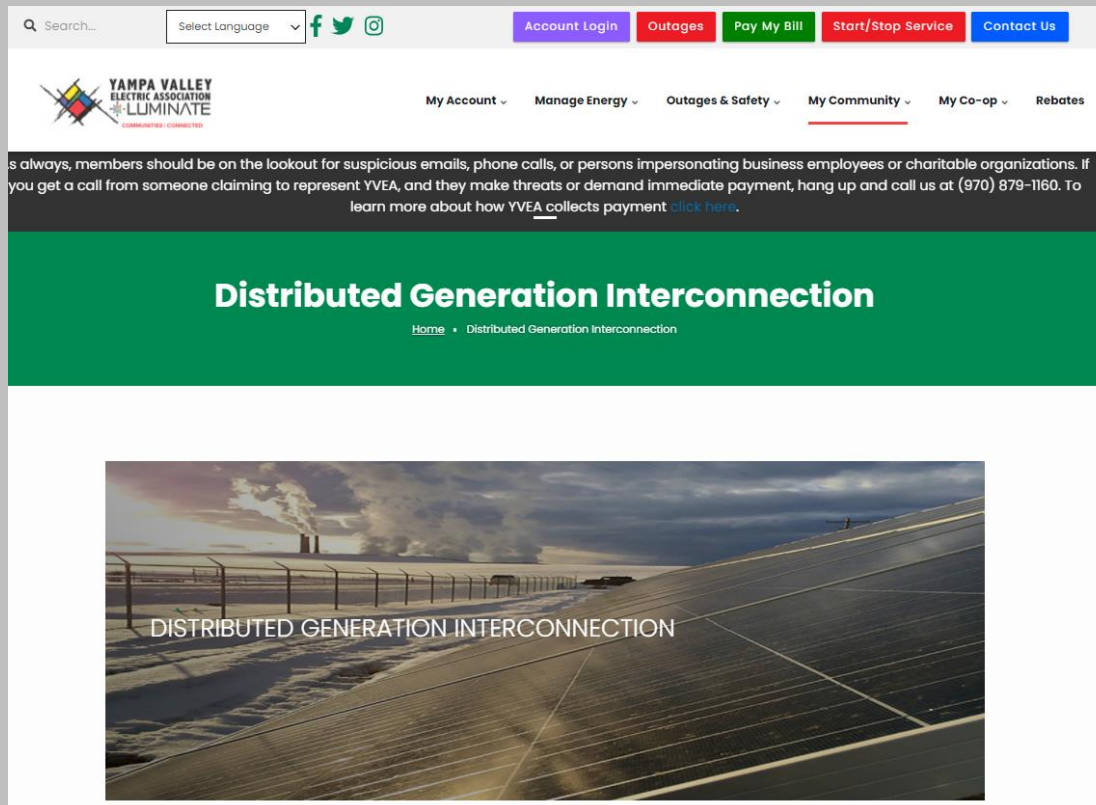
YVEA GENERATOR INTERCONNECTION

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Distributed Generation Interconnection

- Visit the website at
 - <https://www.yvea.com/distributed-generation-interconnection>
 - Found under the “My Community” drop down



The screenshot displays the website's header with a search bar, language selector, social media icons, and navigation buttons for Account Login, Outages, Pay My Bill, Start/Stop Service, and Contact Us. The main navigation menu includes My Account, Manage Energy, Outages & Safety, My Community (highlighted), My Co-op, and Rebates. A security notice is visible below the navigation. The main content area features a green banner with the title "Distributed Generation Interconnection" and a breadcrumb trail: Home > Distributed Generation Interconnection. Below the banner is a large image of a solar farm with the text "DISTRIBUTED GENERATION INTERCONNECTION" overlaid.

Information on the Webpage

- **Generator Interconnection Policy (55 PAGES OF FUN)**
 - Document describes all types of generation interconnection policies for all sizes of interconnections.
 - Document is continually being refined so you should always check the web site for new revisions.
- **Interconnection Application**
 - Submitted initially to YVEA to start your process of interconnection. This document should be viewed PRIOR to design of any system to see what data YVEA requires for interconnection.
 - All applications require a non-refundable \$250 processing fee to cover engineering and inspection costs (This is a deal by the way).
- **Distributed Generation FAQ's**
 - The frequently asked questions lower on the web page is a useful tool to use to gain more information

Determining System Size

- Size Limitations
 - Qualifying facilities can have a maximum of 25kW (Residential) and 150kW (Commercial/Industrial)
 - This level is above the current Colorado requirements of 10kW and 25kW respectively.
 - Size (AC) is also limited by location demand. A member can only have up to 120% of peak demand of their load for the last year. This means that if your system load is 10kW peak a member can only install a 12kW solar installation.
- Determining your system size
 - Use the manual on web page: “Obtaining Historical Kilowatt Usage Instructions”

Distributed Generation Interconnection:

For all new generator interconnection information where generators will be parallel to the YVEA system, please email interconnections@yvea.com

- For existing construction in the YVEA system please have your service order number available.
- All new interconnections require the following documentation prior to an engineer being assigned to an applicant's project:

Interconnection Application Application Certificate of Completion

Interconnection Agreement Document Checklist **Obtaining Historical Kilowatt Usage Instructions**

Rates

- Net Meter Rate Code 50
 - Solar installations are to be used to offset load at a site however they can generate onto the distribution system during times of low member load. All installations require a “Net Meter” to be placed at the site which analyzed power flow in two directions instead of just one.
 - Excess generation onto the system is “Banked” which means that you may see zero Energy charge on your bill and the banked generation is moved to a month in the future.
 - Once a year there is a true up process which determines if the site had excess “Banked” usage for the year. The excess “Banked” usage (Generation) is paid out to the member. YVEA pays our avoided cost of this generation which is currently 3.3 cents per kWh. Current “True Up” time is in April.
 - YVEA only pays for energy. Distributed Generation does not pay for system access or demand charges.

Your Bill Described

- System Access Cost
 - System Access Cost pays for YVEA infrastructure. It is the cost incurred by the cooperative to have transformers, meters, distribution lines, substations. All the equipment to feed your meter.
 - This cost is always going to be charged on your bill
- Electric, Energy Charge – Kilowatt hours (kWh)
 - This is the energy you use at site. The energy charge is the cost of power from YVEA's power supplier plus a rate of return.
- Demand, Kilowatts (kW)
 - Some larger members have a Demand charge. This is a charge based on your peak demand measured in kW for the month. This charge offsets a portion of power supplier demand charges that the energy charge does not cover for larger facilities.

Typical Net Metering Bills

Pres Read	Prev Read	Mult	KWH Used	Rate Schedule/Reference
615	162	1.00	453	01/SMALL GENERAL SERVICE
108	19	1.00	89	G/Generation
			364	NET/USAGE AFTER BANKED KWH

BILL WITH CONSUMPTION
EXCEEDING GENERATION

Current Bill Information	\$ Amount
ELECTRIC	33.96
SYSTEM ACCESS COST	32.25
STEAMBOAT FRANCHISE FEE	2.65
STEAMBOAT CITY TAX	3.10
TOTAL CURRENT BILL	71.96

Pres Read	Prev Read	Mult	KWH Used	Rate Schedule/Reference
1722	1534	1.00	188	01/SMALL GENERAL SERVICE
2401	1761	1.00	640	G/Generation
			-452	NET/USAGE AFTER BANKED KWH

BILL WITH GENERATION
EXCEEDING CONSUMPTION

Current Bill Information	\$ Amount
SYSTEM ACCESS COST	34.75
STEAMBOAT FRANCHISE FEE	1.39
STEAMBOAT CITY TAX	1.63
TOTAL CURRENT BILL	37.77

IF THE LOWER BILL WAS A TRUE UP MONTH THE
MEMBER WOULD RECEIVE A CHECK FOR \$14.92
(452KWH*0.033=\$14.92)

Qualified Installer Program

- Due to continued issues with installers YVEA will be launching a qualified installer program in 2021.
 - Qualified installer must go through a screening process.
 - Qualified installers will be listed on the YVEA web site.
- Installer issues
 - Not licensed to do business in the State of Colorado.
 - Have not read YVEA policies and have not produced adequate information on the application form or have sized a system that YVEA will not allow to interconnect.
 - Promised a pay back of system that is not accurate.
 - Promised future utility rates that have no justification.
 - Did not have adequate insurance coverage.
 - **Did not get a county electrical permit for the installation.**

Going On-line

- Every installation requires the following:
 - County Electrical Permit and Inspection and approval required prior to scheduling YVEA inspection.
 - Proper insurance coverage
 - Inspection by YVEA
 - Schedule of YVEA inspection at least 2 weeks prior to energization onto the grid.
- What to expect from YVEA Inspection
 - Qualified YVEA personnel will be placing the new Net Meter and inspecting the operability of the system disconnection switch.
 - Islanding testing will be performed to ensure the system disconnects from the electrical system during a power outage.
 - Cancelled inspections are subject to additional fees.

QUESTIONS?

