

OWCD GUIDELINES FOR CUSTOMER OWNED DISTRIBUTED GENERATION

REVISION NO.: 0

EFFECTIVE: 08/1/2023

INTRODUCTION

OWCD has created a policy to allow the safe connection of customer owned distributed energy to the OWCD distribution system. At this time, OWCD will only accept applications for the addition of distributed Solar Photovoltaic (PV) Generation Systems of a maximum of no more than 125% of Customer load and which are located on the Customer premises, with appropriate integral voltage conversion, synchronization, power quality, and protection circuitry.

All Distributed Generation ("DG") Systems coupled with or without energy storage must meet certain electrical criteria to be approved for connection to the OWCD distribution system.

You must work with your contractor to ensure that your generation equipment is installed in a proper and safe manner, and in accordance with all applicable codes, standards, regulations, laws and insurance requirements. In many cases, you will also need to coordinate the installation and approval of your System with the local code inspection authority (City of Chandler or Maricopa County).

DG System interconnections may require a System Engineering Analysis, the cost of which will be borne by the Customer. An initial System Engineering Analysis Fee of \$500 (five hundred dollars) will be required to begin the study. Any additional analysis costs will be billed to the Customer in advance and any unused amounts will be returned upon completion of the analysis.

Please note that OWCD has contracted with ED3 to review and process its applications and to provide any technical analysis, and engineering and inspection services as determined by ED3.

APPLICATION PROCESS

To be Interconnected

If you are planning to interconnect your generator with the OWCD electric power distribution system, you will need to complete the OWCD "Application for Operation of Customer Owned Distributed Generation" form and submit it to ED3 for approval. You will also need to sign the OWCD "Agreement for Interconnection of Customer Owned Distributed Generation" form.

NOT to be Interconnected

If your small DG System is NOT to be interconnected with OWCD's electric power system, you will need to contact ED3 and provide information including the electrical capacity, manufacturer and name of your electrical installer. ED3 may require you to send a copy of your manufacturer information and installation plans. There is no formal application or fee required, but you may use the OWCD "Application for Operation of Customer Owned Distributed Generation" form to provide information to ED3.

The System must be completely isolated from the OWCD electric distribution system under all circumstances.

INTERCONNECTING TO THE OWCD DISTRIBUTION SYSTEM

ED3 will process, review and approve your application to ensure that OWCD and ED3 personnel safety and OWCD electric system reliability will not be compromised. As part of ED3's review of your "Application for Operation of Customer Owned Distributed Generation," ED3 may request additional information regarding your planned installation and may require special steps to be taken during the installation process.

You may contact ED3's office at any time during this review process to find out the status of your application. If your application is not approved, OWCD and ED3 will explain the reason or be available to discuss your plans.

As part of its application review process, ED3 will examine the ability of the OWCD electric distribution system to accept your new power generation unit. On certain parts of our system, ED3 may need to replace existing equipment or add some new equipment in order to accommodate your System's generation.

If additional hardware is required, OWCD will not incur costs beyond what is normally required to operate and maintain its electrical system. Therefore, to be fair to other customers, you will be charged for any electrical system upgrades that will be needed to support the addition of your planned System.

If this is the case for your System installation, OWCD will advise you of the additional cost and seek your agreement before approving your application. You will also be asked to sign the "System Upgrade Estimate" and the "Agreement for Interconnection of Customer Owned Distributed Generation".

Technical Requirements

All DG Systems that will be interconnected with OWCD electric distribution system must meet the following requirements:

- Hardware should be UL approved (when available)
- System design for interconnection should meet the applicable standards set forth in Institute of Electrical and Electronics Engineers (IEEE) 1547 "Standard for Interconnecting Distributed Resources with Electric Power Systems"
- National Electrical Code (NEC)
- National Electric Safety Code (NESC)

Power Export to OWCD

If you interconnect your DG system to OWCD's electrical grid, any excess power that your system generates will belong to OWCD without compensation. Our current Program does **not** provide for the purchase of power from residential customers or Small General Service customers. OWCD is not willing to wheel excess power for you to sell to other utilities.

OWCD retains the right to refuse generation interconnection by any customer.

Inspections Required

- City of Chandler or Maricopa County – when the system passes, the City or County will issue a Clearance for Connection of Solar System.
- ED3 Commissioning Inspection – Upon receipt by ED3 of the City or County Clearance, a Commissioning Inspection will be conducted by ED3 solely to verify the size of the system which was installed by the Customer's installation contractor. This is required by ED3 and upon verification of the system size; the ED3 electrical meter will be installed. This is the FINAL step required PRIOR to connecting the DG System to OWCD's electrical grid.
- If the DG System is coupled with an energy storage system and both systems were installed at the same time, ED3 will allow for one City or County clearance covering both; however, there may be circumstances in which ED3 must require additional clearances for added systems.

PLEASE NOTE: OWCD and ED3 are **not** responsible for the workmanship or materials of the Customer's installation contractor.

OWCD and ED3 do **not** inspect the installation of the system on your roof.

ED3 inspects solely to verify the system size.

PLEASE NOTE: CUSTOMER APPLICATIONS THAT ARE PLACED IN THE QUEUE ARE SUBJECT TO ALL REVISIONS AND CHANGES TO THIS PROGRAM DURING THEIR TIME IN THE QUEUE.

Submit your application to the ED3:

Address: Electrical District No. 3 of Pinal County (ED3)
41630 W. Louis Johnson Drive
Maricopa, AZ 85138-5402

Phone: (520) 424-9021

Fax: (520) 423-4949

E-mail: dg@ed-3.org

AGREED TO BY DG OWNER/OPERATOR:

Name: _____

Address: _____

Email Address (Required): _____

Signature: _____

Date: _____