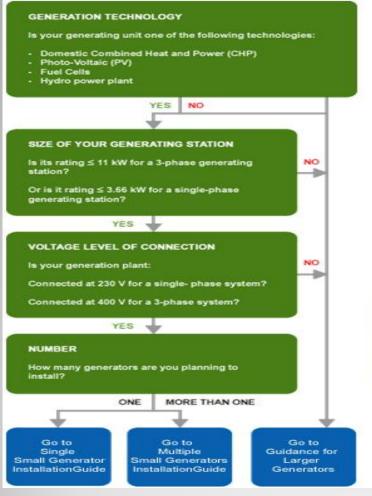


## **Applications Process**

**Breakout Sessions** 

#### Which Application Should I Complete?



#### EXAMPLES

Examples of 3-phase DG with a rating < 11 kW, and of single-phase DG with a rating < 3.66 kW (< 16 Amps per phase)

PV SYSTEM size < 30 m2 or < 15 large panels or < 20 small to medium PV panels



#### NOTE FOR SMALL-SCALE WIND

If you are planning on installing wind generation, even if it meets the size requirements described (left), it does not fall under G83/1-1. Instead, you will have to refer to the G59/2 connection process. Following a discussion with your DNO you may be permitted to follow the G83/1-1 process-your DNO will indicate which process you will follow. In this case, the G83/1-1 Guides may be more appropriate for you.







### **Type of Application**

- G83 Stage 1 Single Application Legal Obligation for installers to notify the DNO within 28 days of commissioning
- G83 Stage 2 Multiple Applications The application for connection sheet below must be completed, along with the associated equipment test certification in line with G83/1-1, and forwarded to the appropriate address. We will consider the application and advise of any work, cost and associated timescales. There may be a charge for the work associated with evaluating this connection.
- G59 Larger Applications In general for generators in excess of 16A per phase (3.68kW)
- There may be a charge for the work associated with evaluating this connection.

#### **Process Overview**

CUSTOMER



**ENQUIRY** 



**DESIGN & QUOTE** 



**DESIGN & OUOTE** 



**ACCEPTANCE** 



**DELIVERY** 

- Visit Website
- Provide accurate completed application, if applicable, precise POC and exact location of meter position within building, requested drawings.
- Contact Team focussed on:
- Initial customer queries
- Accurately register application(s) upon receipt (same day registration).
- G83/1 Single
   Applications recorded onto database & issue weekly report
- G83/2 or G59/2 recorded onto QAS. Contact the customer to request any missing information and record specific details. Liaise with Technical Support for additional guidance and arrange site visit with customer and update diary. Produce monitoring reports for the purpose of Guaranteed Standards

- Ownership of Customer following registration of enquiry until Customer acceptance
- Interaction with Customer to: Understand requirements
- Undertake required design
- Build quotation
   Responsible for a safe and lowest cost option design resulting in the output of customer quotations in line of minimum requirements to meet Guaranteed Standards.
- Project Co-ordinator-Currently carrying out circuit measurements and trapped load assessment. Recently trained technical clerical to measure circuits to assist with the current backloa.
- Engineer responsible for protecting the integrity of the electrical network. Provision of a Point of Connection (POC) onto the network within an agreed timescale. In order to provide this a Windebut / Digisilent assessment is required to be carried out. A safe and lowest cost option design
- Ownership of Customer from Acceptance until handover to Delivery
   Dedicated Acceptance
- Team responsible for:

  Facilitation of handover from design to delivery with defined targets
- Controlling Master
   Data requests and
   provision of income
   and cost plans
- Reservation of long lead cable / plant
- Initiation of Wayleaves process
- Update of workpacks
- Fixed price project builds
- Purchase Orders
   Refunds

- Ownership of Customer following handover from Acceptance until job closure
- · Responsible for:
- Creation of Work Instruction
- Material reservations
- Resource scheduling
- Project Management activities
- Witness TestingDelivery of jobs
- Job closure

#### **Competent Application**

For an application to be deemed valid the following information will be required:

- •Completed standard application form containing all appropriate technical details
- •A detailed one-line schematic diagram of the proposed installation.
- •A schematic drawing showing the protection systems associated with the automatic disconnecting devices for additional sources of electrical energy including loss-of-mains protection and trip-circuit supervision.
- •A clear narrative description of the scheme that describes the scheme operation for Normal Mains Healthy, Loss of Mains, Returns of Mains and Paralleling (where applicable)
- •A scale drawing detailing the layout of the earth electrode system(s) associated with each source of energy.
- •A location drawing and a (1:500 preferred) scale development site plan indicating the location of the proposed generator(s) clearly identifying six figure X,Y co-ordinates of the proposed generator(s), inverter and controls plus an indication of proposed connection point
- •For wind turbine developments, a detailed dimension drawing of the tower and turbine assembly

### And once you have accepted your Offer...

- We will start to progress your works...acceptance is a commitment to construction for both parties.
- Should you then wish to vary the location, number or capacity of your connection a re-quote will need to take account of the network at that time, including any other connections applied for or accepted.
- Remember though that you can terminate your construction contract right up to energisation and we will return any sums that are either unspent or uncommitted at the point of termination.

# Questions?