

## Application for a new/ augmented connection

### Suitable for;

- new domestic connections
- new business connections
- augmentations to existing domestic and business premises.

If you have any queries about your application or require a copy of this form in large print, braille, on audiotape, in Welsh, in another language, or in any other format, please contact us.

On receipt of your application and all relevant information, we will provide you with a quotation for the works which will include costs for



### Installation of the electrical equipment

We will provide the connection from our existing network up to your meter position.

### Excavation

You have the option to dig on your own land if you wish. We will carry out any excavations on the public highway.

### Traffic management

Local Authority and set up fees if we need to dig in the public highway.

### Meter cabinet

We can supply this. Your builder will need to install it before we carry out the connection works.

### Other services you may need to budget for



### Meter installation

Fee from your energy supplier to provide and fit a new meter.

### Electrician

You will need to arrange for a suitably qualified electrician to carry out any internal wiring.

### On site excavation

If you have chosen to carry this out yourself.

### Builder

To install your meter cabinet.

### Typical costs and timescales

Each application is individually assessed and costs are determined in line with our connection charging methodology statements. The table below provides an indication of the typical cost and timescales for connection.

Connection type	When will I receive my quotation?	Typical cost	Typical time to get a connection from payment
1 standard domestic connection	Within 5 days	£2,000	4 weeks
Up to 4 standard domestic connections	Within 15 days	£5,000	5 weeks
Typical small business connection (up to 69kVA)	Within 15 days	£4,000 + VAT	5 weeks
5 or more domestic connections*	Within 25 days	£15,000	6 weeks
Multiple small business connections**	Within 25 days	£12,000 + VAT	6 weeks
Typical large business connection (HV)	Within 35 days	£65,000 + VAT	14 weeks
Extra high voltage connection	Within 65 days	POA	2 years

\* (Based on typical 5 connections with service works only) \*\* (Based on 2 connections with LV service works only)

For further information regarding the potential cost of your connection, please consult the Guide Prices section of our website at [nationalgrid.co.uk/get-a-guide-price](https://www.nationalgrid.co.uk/get-a-guide-price)

# Application for a new/augmented connection

(If you have any questions regarding how to complete this Application Form please contact us for assistance.)

## Section A – Your details (See section 1)

### 1. Customer address details

Please provide details of the customer who will be responsible for accepting and paying for any connection offer issued.

<b>Title:</b>	<b>First name:</b>	<b>Last name:</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Company (if applicable):</b>		<b>Company registered number (if applicable):</b>
<input type="text"/>		<input type="text"/>
<b>House/flat number:</b>	<b>Building name:</b>	<b>Street:</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Town:</b>	<b>City:</b>	<b>Postcode:</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Daytime telephone:</b>	<b>Mobile:</b>	<b>Email:</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>

### 2. Site address details

The location of the new connection(s)

<b>Site name/plot numbers:</b>		
<input type="text"/>		
<b>House/flat number:</b>	<b>Building name:</b>	<b>Street:</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Town:</b>	<b>City:</b>	<b>Postcode:</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>To help us locate your site please include the address of any adjacent properties:</b>		
<input type="text"/>		

### 3. Representative details

With your consent we can liaise with a contractor, supplier or agent acting on your behalf. If you want to nominate a representative please complete the details below

<b>Title:</b>	<b>First name:</b>	<b>Last name:</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Company (if applicable):</b>		<b>Company registered number (if applicable):</b>
<input type="text"/>		<input type="text"/>
<b>House/flat number:</b>	<b>Building name:</b>	<b>Street:</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Town:</b>	<b>City:</b>	<b>Postcode:</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Daytime telephone:</b>	<b>Mobile:</b>	<b>Email:</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>

# Application for a new/augmented connection

## 4. Letter of Authority

Where the applicant is acting as an agent of the customer or is not the existing owner/occupier of the land to be developed, a letter of authority is required. This should be provided together with your completed application form.

Further details on what should be included can be found here: <https://connections.nationalgrid.co.uk/letter-of-authority>

Proceed to section B

## Section B – Type of connection offer required (See section 2)

### Do you require an indicative Budget Estimate or a firm Connection Offer?

**Connection offer:** a connection offer is a quotation which will set out detailed terms and conditions and once accepted will be binding on both parties.

**Feasibility study:** if you are not ready for a connection offer, we can provide a detailed assessment and engineering design solution for the site requirements, including reinforcement. Charges apply, please see Section 7 – Part B of our connection charging methodology statements.

**Budget estimate:** a budget estimate is non-binding for indicative purposes only. This is useful at the early stages of a project, if you have not got final plans in place or a firm date in mind for the works.

**Draw down connection offer:** a connection offer which seeks to draw down from capacity which has previously been reserved for the development area. If you are not the capacity customer, please provide a letter of authority giving their consent for this application to utilise the reserved capacity.

Please provide the National Grid Electricity Distribution reference for the reservation of capacity agreement:

### When would you like us to provide the connection(s)?

Once you accept the connection offer we will contact you to agree dates which take account of team availability and Local Authority streetworks requirements:

DD/MM/YY

Proceed to section C

## Section C – Type of connections required (See section 3)

### Temporary supply

#### Will a temporary supply be required?

Yes  No

#### Power requirement

Please enter your maximum power requirement of the temporary supply

#### kVA

#### Type of temporary supply

Single phase  Three phase

### New Connections

#### Confirm the type of property requiring a new connection:

Domestic dwellings proceed to Section D

Business premises proceed to Section E

Mixed development of domestic and business premises complete both sections D and E

# Application for a new/augmented connection

## Section D – Domestic Connections (See section 4)

How many connections are required?

**Power requirement**

The normal maximum capacity for individual domestic properties is 18.4kVA. If you require a different maximum power for each property please enter the kVA value here.

kVA

**Landlord supplies:**

Will any landlord's supplies be required?

Yes  No

Number of landlord supplies

**Power requirement**

Please enter your maximum power requirement for each landlords supply in kVA

kVA

Do you require your connection to accommodate motors, welders, electric vehicles or other disturbing equipment?

Yes (Proceed to section F)  No (Proceed to section G)

## Section E – Business premises (See section 5)

How many connections are required?

Maximum power requirement for each connection

kVA

**If power requirements differ significantly between supplies please provide more details in Section O – Additional information**

Please enter your maximum power requirement, after diversity is applied

kVA

If your enquiry is for an increase in power, please state the existing load

kVA

Power guidelines: an 80 amp single phase supply can provide up to 18kVA. A 100 amp three phase supply can provide up to 69kVA.

### Earthing

Protective Multiple Earthing (PME) is normally provided for each supply. However, some methods of building do not allow this means of earthing, in particular multi-occupancy steel framed buildings. In such cases alternative earthing solutions can be provided by your electrical contractor.

Is your building steel framed and subdivided into units?

Yes  No

Do you require your connection to accommodate motors, welders, electric vehicles or other disturbing equipment?

Yes (proceed to section F)  No (proceed to section G)

# Application for a new/augmented connection

## Section F – Disturbing loads (See section 6)

If you are connecting any electrical equipment which may cause a disturbance on the electricity system (e.g. motors, welders), please provide us with details. **Note:** upon assessment we may need more detailed information. If required, we will send you the appropriate data collection form for completion.

### Motors

<input type="checkbox"/> Single phase	<input type="checkbox"/> Three phase	<input type="checkbox"/> Direct Online	<input type="checkbox"/> Star delta	Starting current (amps)	Number of starts per hour
				<input type="text"/>	<input type="text"/>

### Welders

<input type="checkbox"/> Single phase	<input type="checkbox"/> Three phase	Input voltage	Rating	Number of welds per minute
		<input type="text"/>	<input type="text"/>	<input type="text"/>

### Do you require electric vehicle charging or heat pump installation?

No  Yes

Please enclose with this application a completed ENA Application for the installation of low carbon technologies, available to download at [nationalgrid.co.uk/evhp](https://nationalgrid.co.uk/evhp)

### Other potentially disturbing equipment (please provide details)

Proceed to **section G**

## Section G – Details of electrical load (See section 7)

### Space heating:

to help plan for your connection, please indicate below the fuel type to be used:

Gas  Electric (storage & direct)  Ground/air source heat pump  Electric boiler  Other (please specify)

**For electric boilers and heat pumps, please include the manufacturer's specification sheet.**

\*Off-peak means the heating that can only operate during a pre-arranged time (usually 7 hours) in the range of hours 23:00-07:00 and is usually controlled by a time-switch.

	<b>kW</b>		<b>kW</b>
For electric storage heating, total off-peak* load is:	<input type="text"/>	For electric direct heating, total load is:	<input type="text"/>

### Water heating:

to help plan for your connection, please indicate below the fuel type to be used:

Gas  Electric (storage & direct)  Ground/air source heat pump  Electric boiler  Other (please specify)

### Electric showers:

<b>Number of instantaneous showers</b>	<b>Shower size (kW each)</b>
<input type="text"/>	<input type="text"/>

Proceed to **section H**

# Application for a new/augmented connection

## Section H – Meter box/excavation (See section 8 & 9)

**What type of meter box do you want National Grid Electricity Distribution to provide?**  
We can provide the meter boxes but you will need to arrange for your builder to install them prior to National Grid Electricity Distribution attending site for completion of the connections.

Flush fit    Surface mounted    None required

**Do you want us to carry out the on site excavation?**

Yes    No

Proceed to **section I**

## Section I – Generation (See section 10)

**Will there be any on site electricity generation?**

For ER G99 compliant installations, please enclose the relevant G99 application form with this application

Yes (please provide details below)

No (proceed to Section J)

**Please indicate the type of generation you are installing**

Solar panels    Wind    Battery storage

Other  
(please specify)

Please provide the proposed generation capacity

**kW**

**Will the generators be capable of operating in parallel with National Grid Electricity Distribution's system?**

Yes    No

Please visit our website for more information on connecting electricity generation  
[nationalgrid.co.uk/connections/generation](http://nationalgrid.co.uk/connections/generation)

Proceed to **section J**

## Section J – Build out programme (See section 11)

**To assist with the planning of the connection works, it would be useful to understand how the site will be built out. Please provide your indicative build programme, where available.**

Note: if your development is proposed to take longer than 5 years to construct, please provide details in Section O: Additional information.

	Number of domestic premises	Number of business premises	Annual capacity requirement (kVA)
Year 1	<input type="text"/>	<input type="text"/>	<input type="text"/>
Year 2	<input type="text"/>	<input type="text"/>	<input type="text"/>
Year 3	<input type="text"/>	<input type="text"/>	<input type="text"/>
Year 4	<input type="text"/>	<input type="text"/>	<input type="text"/>
Year 5	<input type="text"/>	<input type="text"/>	<input type="text"/>

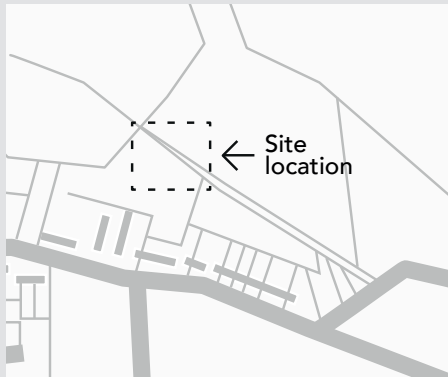
Should you wish to provide any further information regarding your build out programme, please enter below.

Proceed to **section K**

# Application for a new/augmented connection

## Section K – Site Plans (See section 12)

In order to provide a connection offer, we require one copy of the location plan and one copy of the site layout plan, together with your application form.



### Location plan

The Location Plan shows where to find the proposed site for the new connection.

All applications should have one location plan enclosed. Please highlight the site location on the plan.

Location plans can be obtained by using A-Z street maps or via the internet, which is now available in most public libraries.

### The following sites offer instant location plans:

- [www.multimap.com](http://www.multimap.com)
- [www.ordsvy.gov.uk](http://www.ordsvy.gov.uk)

### Site layout plan

#### Site layout plan

1. In the absence of an architect's drawing, please draw on a separate sheet a layout showing the layout of buildings and roads, and where the customer expects, or the proposed location of, a substation(s).
2. The proposed meter position(s) should be marked onto the plan with an X
3. Indicate the site boundary, typically outlined with a red line.

Please review Sections L, M and N and complete any that apply to your application. If none of these sections apply, please proceed to Section O.

## Section L – Heads of Terms (HoT)

### Applicable to applications for a demand of 5MVA or above, or generation of 1MW or above.

In order to provide a connection offer, an appropriately signed agreement of Heads of Terms for the land indicated on the site plan must be provided alongside your completed application form where the applicant is not the existing owner/leaseholder of the site.

The HoT must be provided as a single PDF document and include the following:

**Parties:** names and where applicable, company numbers and contact details of the parties involved. As a minimum, this must include:

- the landowner (or leaseholder);
- the Applicant/Customer; and
- any associated organisations acting on their behalf e.g. 'Primary

Contractor to the Applicant / Customer / Independent Connection Provider (ICP) / 'Agent for the Applicant / Customer')

A brief description of each party's relationship to the landowner and/or the Applicant should be provided, and the details must align with the accompanying LoA.

**Description of the Land:** detailed description of location of the site. The HoT must include a red line boundary plan of the site.

**Term:** length of the term of any lease.

**Use:** permitted use of the land.

**Conditions:** any conditions that the transaction is subject to, such as board approval or obtaining planning consent.

Proceed to section M

## Section M – Single Line Diagram (SLD)

### Applicable to applications for a demand of 5MVA or above where there is customer owned equipment likely to cause disturbance to the electricity supply, or generation of 1MW or above irrespective of presence of disturbing load.

In order to provide a connection offer, we require a single line diagram alongside your completed application form, capturing the following details as a minimum.

#### This should include, as a minimum:

- The Supply Point clearly indicating how you would like your system to be connected to the DNO's network.
- The disturbing load equipment showing all the equipment.
- The protection devices including details of all protection devices and the switchgear that it will operate.
- The location and type of meters used for measuring electricity imported from and exported to the DNO's network.
- An outline of the cabling between all units and the associated plant and equipment, including their ratings.
- The earthing arrangements showing the earthing system to ensure safety and compliance with regulations.
- The switchgear including switchgear used to control the flow of electricity within the system.
- Any transformers including their impedances and ratings.
- Load Details: Provide information on the loads connected to the system, if applicable.

Proceed to section N

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## Preliminary project timeline

### Section N – Preliminary project timeline

Applicable to applications for a demand of 5MVA or above, or generation of 1MW or above.

Please provide a preliminary project timeline alongside your completed application form, identifying when key activities are expected to be completed to meet the requested connection date.

Note: NGED will not hold you to the dates in the plan.

The timeline should provide clear and realistic dates that reflect:

- Type of planning process the Applicant expects to follow.
- The need for Environmental Impact Assessments.
- The need for third party land rights.
- Assumptions on equipment lead times.
- The anticipated offer acceptance date.
- The anticipated planning consent submittal date / approval date.
- The date by which the Applicant expects to provide full instruction to the DNO/ICP to proceed with detailed design and construction works.
- The date the Applicant expects to place the order for the main plant.
- The date the Applicant expects to start / complete site construction works.
- The date the Applicant expects to commence commissioning works.

[Proceed to section O](#)

## Additional information

### Section O – Additional information

Please provide any additional information you feel may be relevant to your connection application:

Please send your completed application form with supporting information to the below address.

National Grid Electricity Distribution  
Records Team  
6th Floor  
Toll End Road  
Tipton  
DY4 0HH

T: 0121 623 9007  
(Lines are open Mon to Fri 08:00-17:00)

[nged.newsupplies@nationalgrid.co.uk](mailto:nged.newsupplies@nationalgrid.co.uk)

# Application for a new/augmented connection

## Important

To prevent your application from being delayed, please ensure you have enclosed all required information. This may include:

- **Completed application form**
- **Location plan**
- **Site layout plan**, with the site boundary clearly marked in red
- **Manufacturer's specification sheet**, (if you are installing electric boilers, heat pumps, generation, or similar electrical equipment)
- **Letter of Authority**, where required
- **Heads of Terms**, where required
- **Single Line Diagram**, where required
- **Preliminary project timeline**, where required

## What happens next?

### National Grid Electricity Distribution:

**1**  
Assess the information you have provided, contact you to provide details of the local team responsible for the connection and, if required, request any additional information.



**2**  
Send you a Connection Offer which is valid for 90 days.



**3**  
On receipt of acceptance and payment, contact you to agree the dates for the works or discuss any pre-requisite matters, such as obtaining legal consents.



**4**  
If required, enter into a legal process to obtain permissions for access to install and maintain our equipment.



**5**  
Send you a Meter Point Administration Number (MPAN).



**6**  
Complete all works to make the connection as stated in the Connection Offer.



### Customer:

Provide additional information where requested.

To accept the Connection Offer, sign and return the Letter of Acceptance together with any payment due.

Prepare your site for our arrival in accordance with the requirements set out in your Connection Offer. This may include meter box installation and onsite excavation.

To ensure the legal process runs smoothly, provide any information possible about the land on which the site is based. More information and a guidance document is available on our website: [nationalgrid.co.uk/connections/new-connections/legal-permissions-and-consents.aspx](https://nationalgrid.co.uk/connections/new-connections/legal-permissions-and-consents.aspx)

Register your MPAN with a supplier and enter into a supply contract.

Appoint a suitably qualified electrician to carry out any internal wiring and connect this to your supply.

Arrange with your supplier or meter operator a date to install your new meter. Please note, the meter can only be installed after we have completed the connection works.

## **Any questions?**

### **Call our Contact Centre**

**on: 0800 096 3080**

(8am to 6pm Monday–Friday)

## **Did you know?**

You can get a quotation from an Independent Connection Provider (ICP) or Independent Distribution Network Operator (IDNO) for your electricity connection.

We can provide you with a complete connection service but you may also ask an ICP or IDNO to undertake some of the works (known as the 'contestable works').

## **Find out more:**

[nationalgrid.co.uk/connections/competition-in-connections](https://nationalgrid.co.uk/connections/competition-in-connections)

National Grid Electricity Distribution (East Midlands) plc  
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National Grid Electricity Distribution (South Wales) plc  
Registered in England and Wales No. 2366985

National Grid Electricity Distribution (South West) plc  
Registered in England and Wales No. 2366894

Registered Office: Avonbank, Feeder Road, Bristol BS2 0TB