A Budget Estimates

7.12 If you are unable to make a formal Application because certain information that we require to make a Connection Offer is not available or if you are not in a position to progress to the construction phase, we can provide an indication of the charge for making the connection by means of a Budget Estimate (see paragraph 2.8 for further details). Our charges associated with the provision of Budget Estimates in advance of a formal Application are set out in the table below:-

Category	**Charge**
Demand	
Single LV Service Demand Connection[A]	Zero
2 to 4 services single phase LV, no extension to LV network[B]	Zero
1-4 Premises, single phase LV, extension to the LV network[C] required	Zero
1 three phase LV service with whole current metering to a single Premises[D]	Zero
Other LV connection(s) with a total load up to 100kVA LV	Zero
Other LV connection(s) with a total load greater than 100kVA and up to 250kVA LV not covered by the above	Zero
Connection greater than 250kVA and up to 1MVA at LV	Zero
Connection up to 250kVA at HV	Zero
Connection greater than 250kVA and up to 1MVA at HV	Zero
Connection greater than 1MVA and up to 3MVA at HV	Zero
Connection greater than 3MVA and up to 10MVA at HV	Zero
Connection greater than 3MVA and up to 10MVA at EHV	Zero
Connection greater than 10MVA and up to 50MVA	Zero
Connection greater than 50MVA	Zero
Generation	

Connection of a single Small Scale Embedded Generator	Zero
Connection of other generation at LV up to 20kVA not covered by the above	Zero
Connection of other generation at LV greater than 20kVA and up to 50kVA	Zero
Connection of other generation at LV greater than 50kVA	Zero
Connection of generation at HV up to 250kVA	Zero
Connection of generation at HV greater than 250kVA and up to 1MVA	Zero
Connection of generation at HV greater than 1MVA	Zero
Connection of generation at EHV up to 10MVA	Zero
Connection of generation at EHV greater than 10MVA	Zero
Connection of generation greater than 50MVA	Zero
A Refer to 7.6 above for detailed definition. B Refer to 7.6 above, Small Project Demand Connection (a) for detailed definition. C Refer to 7.6 above, Small Project Demand Connection (b) for detailed definition. D Refer to 7.6 above, Small Project Demand Connection (c) for detailed definition.	

Note 1: "LV", "HV", or "EHV" in the table above denotes the highest voltage of assets installed including any associated Reinforcement or diversionary works.

Note 2; "Small Scale Embedded Generator" as defined in 2.30

B Feasibility Studies

7.13 Prior to making a formal Application for a Connection Offer you may request we undertake a Feasibility Study to establish the viability of making a connection to our Distribution System. We will carry out preliminary network analysis and provide an indicative connection assessment which will include the results of the network analysis and an outline of the engineering scheme to allow the connection. We will require payment in advance of the study being made and will notify you of the relevant study charges prior to commencing work.

7.14 Our charges associated with the provision of Feasibility Studies involving design in advance of a formal Connection Application are set out in the table below. Charges for any other activities, such as excavation works will be individually assessed and agreed with you before these are undertaken. The Minimum Charge will always apply. Additional charges will only be applicable where the Applicant amends their connection requirements which necessitates us to carry out further analysis or assessment:-

Category	**Minimum Charge**	**Additional Charge per hour**
Demand		
Single LV Service Demand Connection[A]	Zero	Zero
2 to 4 services single phase LV, no extension to LV network[B]	Zero	Zero
1-4 Premises, single phase LV, extension to the LV network[C] required	Zero	Zero
1 three phase LV service with whole current metering to a single Premises[D]	Zero	Zero
Other LV connection(s) with a total load up to 100kVA LV	£240	£40
Other LV connection(s) with a total load up to greater than 100kVA and up to 250kVA LV not covered by the above	£240	£40
Connection greater than 250kVA and up to 1MVA at LV	£270	£45
Connection greater up to 250kVA at HV	£360	£45
Connection greater than 250kVA and up to 1MVA at HV	£360	£45
Connection greater than 1MVA and up to 3MVA at HV	£360	£45
Connection greater than 3MVA and up to 10MVA at HV	£540	£45

Connection greater than 3MVA and up to 10MVA at EHV	POA	POA
Connection greater than 10MVA and up to 50MVA	POA	POA
Connection greater than 50MVA	POA	POA
Generation		
Connection of a single Small Scale Embedded Generator	Zero	Zero
Connection of other generation at LV up to 250kVA not covered by the above	£160	£40
Connection of other generation at LV greater than 20kVA and up to 50kVA	£160	£40
Connection of other generation at LV greater than 50kVA	£360	£45
Connection of generation at HV up to 250kVA	£540	£45
Connection of generation at HV greater than 250kVA and up to 1MVA	£540	£45
Connection of generation at HV greater than 1MVA	£720	£45
Connection of generation at EHV up to 10MVA	POA	POA
Connection of generation at EHV greater than 10MVA	POA	POA
Connection of generation greater than 50MVA	POA	POA
A Refer to 7.6 above for detailed definition. B Refer to 7.6 above, Small Project Demand Connection (a) for detailed definition. C Refer to 7.6 above, Small Project Demand Connection (b) for detailed definition. D Refer to 7.6 above, Small Project Demand Connection (c) for detailed definition.		

Note 1: "LV", "HV", or "EHV" in the table above denotes the highest voltage of assets installed including any associated Reinforcement or diversionary works.

Note 2; "Small Scale Embedded Generator" as defined in 2.30

C Assessment and Design for all relevant work

7.15 For applications received in accordance with Section 2 of this Statement, our charges associated with the identification of the most appropriate point on the existing Distribution System for connection and the design of any Extension Assets and/ or Reinforcement are set out in the table below. For categories above 3MVA we may levy additional assessment and design charges where the work undertaken exceeds the costs included in the minimum charge:-

Category	**Minimum Charge**	**Additional Charge per hour**
Demand		
Single LV Service Demand Connection[A]	£50	N/A
2 to 4 services single phase LV, no extension to LV network[B]	£50	N/A
1-4 Premises, single phase LV, extension to the LV network[C] required	£240	N/A
1 three phase LV service with whole current metering to a single Premises[D]	£50	N/A
Other LV connection(s) with a total load up to 100kVA LV	£480	£40
Other LV connection(s) with a total load greater than 100kVA and up to 250kVA LV not covered by the above	£480	£40
Connection greater than 250kVA and up to 1MVA at LV	£540	£45
Connection up to 250kVA at HV	£630	£45
Connection greater than 250kVA and up to 1MVA at HV	£810	£45
Connection greater than 1MVA and up to 3MVA at HV	£810	£45
Connection greater than 3MVA and up to 10MVA at HV	£1080	£45
Connection greater than 3MVA and up to 10MVA at EHV	POA	POA
Connection greater than 10MVA and up to 50MVA	POA	POA
Connection greater than 50MVA	POA	POA

Generation		
Connection of a single Small Scale Embedded Generator	Zero	N/A
Connection of other generation at LV up to 20kVA not covered by the above	£400	N/A
Connection of other generation at LV greater than 20kVA and up to 50kVA	£560	N/A
Connection of other generation at LV greater than 50kVA	£560	N/A
Connection of generation at HV up to 250kVA	£1080	£45
Connection of generation at HV greater than 250 and up to 1MVA	£1080	£45
Connection of generation at HV greater than 1MVA	£1350	£45
Connection of generation at EHV up to 10MVA	POA	POA
Connection of generation at EHV greater than 10MVA	POA	POA
Connection of generation greater than 50MVA	POA	POA
A Refer to 7.6 above for detailed definition. B Refer to 7.6 above, Small Project Demand Connection (a) for detailed definition. C Refer to 7.6 above, Small Project Demand Connection (b) for detailed definition. D Refer to 7.6 above, Small Project Demand Connection (c) for detailed definition.		

Note 1: "LV", "HV", or "EHV" in the table above denotes the highest voltage of assets installed including any associated Reinforcement or diversionary works.

Note 2: "Small Scale Embedded Generator" as defined in 2.30

D CIC Assessment and Design of the Non-Contestable Work

7.16 For application received in accordance with Section 3 of this Statement, our charges associated with the identification of the most appropriate point on the existing Distribution System for connection of the Extension Assets and the design of any Network Reinforcement are set out in the Table below:-

Category	**Minimum Charge**	**Additional Charge per hour**
Demand		
Single LV Service Demand Connection[A]	£50	N/A
2 to 4 services single phase LV, no extension to LV network[B]	£50	N/A
1-4 Premises, single phase LV, extension to the LV network[C] required	£160	N/A
1 three phase LV service with whole current metering to a single Premises[D]	£50	N/A
Other LV connection(s) with a total load up to 100kVA LV	£400	£40
Other LV connection(s) with a total load greater than 100kVA and up to 250kVA LV not covered by the above	£400	£40
Connection greater than 250kVA and up to 1MVA at LV	£450	£45
Connection up to 250kVA at HV	£540	£45
Connection greater than 250kVA and up to 1MVA at HV	£720	£45
Connection greater than 1MVA and up to 3MVA at HV	£720	£45
Connection greater than 3MVA and up to 10MVA at HV	£990	£45
Connection greater than 3MVA and up to 10MVA at EHV	POA	POA
Connection greater than 10MVA and up to 50MVA	POA	POA
Connection greater than 50MVA	POA	POA
Generation		

Connection of a single Small Scale Embedded Generator	Zero	N/A
Connection of other generation at LV up to 20kVA not covered by the above	£320	N/A
Connection of other generation at LV greater than 20kVA and up to 50kVA	£480	N/A
Connection of generation at LV greater than 50kVA	£540	N/A
Connection of generation at HV up to 250kVA	£810	£45
Connection of generation at HV up to 1MVA	£990	£45
Connection of generation at HV greater than 1MVA	£1540	£45
Connection of generation at EHV up to 10MVA	POA	POA
Connection of generation at EHV greater than 10MVA	POA	POA
Connection of generation greater than 50MVA	POA	POA
A Refer to 7.6 above for detailed definition. B Refer to 7.6 above, Small Project Demand Connection (a) for detailed definition. C Refer to 7.6 above, Small Project Demand Connection (b) for detailed definition. D Refer to 7.6 above, Small Project Demand Connection (c) for detailed definition.		

Note 1: "LV", "HV", or "EHV" in the table above denotes the highest voltage of assets installed including any associated Reinforcement or diversionary works.

Note 2: "Small Scale Embedded Generator" as defined in 2.30

E CIC Design Approval of the Contestable Work

7.17 For application received in accordance with Section 3 of this Statement, our charges associated with the approval of an Extension Asset design produced by an ICP are set out in the Table below:-

Category	Charge
Demand	
Single LV Service Demand Connection[A]	£50
2 to 4 services single phase LV, no extension to LV network[B]	£50
1-4 Premises, single phase LV, extension to the LV network[C] required	£80
1 three phase LV service with whole current metering to a single Premises[D]	£50
Other LV connection(s) with a total load up to 100kVA LV	£240
Other LV connection(s) with a total load greater than 100kVA and up to 250kVA LV not covered by the above	£240
Connection greater than 250kVA and up to 1MVA at LV	£270
Connection up to 250kVA at HV	£360
Connection greater than 250kVA and up to 1MVA at HV	£360
Connection greater than 1MVA and up to 3MVA at HV	£450
Connection greater than 3MVA and up to 10MVA at HV	£720
Connection greater than 3MVA and up to 10MVA at EHV	POA
Connection greater than 10MVA and up to 50MVA	POA
Connection greater than 50MVA	POA
Generation	
Connection of a single Small Scale Embedded Generator	Zero
Connection of other generation at LV up to 20kVA not covered by the above	£240

Connection of other generation at LV greater than 20kVA and up to 50kVA	£240
Connection of other generation at LV greater than 50kVA	£360
Connection of generation at HV up to 250kVA	£360
Connection of generation at HV greater than 250kVA and up to 1MVA	£360
Connection of generation at HV greater than 1MVA	£720
Connection of generation at EHV up to 10MVA	POA
Connection of generation at EHV greater than 10MVA	POA
Connection of generation greater than 50MVA	POA
A Refer to 7.6 above for detailed definition. B Refer to 7.6 above, Small Project Demand Connection (a) for detailed definition. C Refer to 7.6 above, Small Project Demand Connection (b) for detailed definition. D Refer to 7.6 above, Small Project Demand Connection (c) for detailed definition.	

Note 1: "LV", "HV", or "EHV" in the table above denotes the highest voltage of assets installed including any associated Reinforcement or diversionary works.

Note 2: "Small Scale Embedded Generator" as defined in 2.30

F Construction

F1 Small Services covered by the Quotation Accuracy Scheme

7.18 Our charges associated with the construction of small services (1-4 single phase connections or a single three phase connection up to [60kVA] are set out in the table below:-

7.19 Charges below cover both the Contestable Work and Non-Contestable Work, however these will be identified separately on your Connection Offer. Note that your Connection Offer will also include charges for Assessment and Design as outlined in paragraph 7.15 and may include other charges.

7.20 The charges in the table below are inclusive of liaison with highway authorities, sending street works notices and signing, lighting and guarding. These charges exclude traffic management costs eg temporary traffic lights, road closures etc and Traffic Management Act costs. Where these additional charges are relevant, these will be included in your connection charge.

7.21 These charges exclude charges for any easement, wayleaves or land transfers that are required and these are detailed in Table I Land Rights.

7.22 These charges are covered by the Quotation Accuracy Scheme outlined under paragraphs 7.7 to 7.11 of this Section.

			Area	Northern Powergrid (Northeast)					
Activity	Description	Factors	Unit	Min	Max	Min	Max	Min	Max
Single phase service	Single phase service, from a passing main, including cable, mains service joint, excavate and backfill joint hole, (excavate to site boundary*), and termination. Service cable length up to 5 metres. Duct within site boundary installed by third party.	Same side service in typical tarmac footpath.	#	£765	£920				
		Same side service in typical grass verge.	#	£645	£780				
		Cross road service in typical carriageway	#	£2320	£3790				

	Additional metres of service cable	In typical tarmac footpath.	m	£75	£95				
		In typical grass verge	m	£40	£55				
		In typical carriageway	m	£155	£290				
	Duct laid by ourselves		m	N/A	N/A				
Three phase service (60kVA)	Three phase service, from a passing main, including service cable, mains service joint, excavate and backfill joint hole, (excavate to site boundary*) and termination. Service cable length up to 5 metres. Duct installed by third party.	Same side service in typical tarmac footpath.	#	£835	£1010				
		Same side service in typical grass verge.	#	£685	£825				
		Cross road service in typical carriageway	#	£2410	£3900				
	Additional metres of three phase service cable	In typical tarmac footpath.	m	£80	£100				
		In typical grass verge	m	£45	£60				
		In typical carriageway	m	£155	£290				
	Duct laid by ourselves		m	N/A	N/A				
Extension of low voltage mains	Low voltage mains cable. Excavate 10 metres of ground and install LV mains cable and re-instate to match existing surface, includes straight joint onto main and bottle end.	Trench or duct by others (including backfill & reinstatement)	#	£1255	£2245				
		In typical tarmac footpath.	#	£2010	£3420				
		In typical grass verge	#	£1385	£2380				

		In typical carriageway	#	£3300	£5690				
	Additional metres of LV mains cable	Trench or duct by others (including backfill & reinstatement)	m	£20	£50				
		In typical tarmac footpath.	m	£70	£110				
		In typical grass verge	m	£35	£75				
		In typical carriageway	m	£165	£190				
	Duct laid by ourselves		m	N/A	N/A				
Overhead service	Overhead connection to existing overhead line including installation of new overhead service with pole termination to connect to overhead network, up to 10 metres. Pole at site boundary and assumes no additional poles installed.	Single phase		£505	£610				
		Three phase		£565	£680				

Note 1: Reinstatement costs for cobbles, granite sets, large flag stones etc. will be higher and will be reflected in the Connection Charge

F2 Service Alterations

7.23 Our charges associated with changes of service positions for single services (single phase connections or three phase connections up to 60kVA) are set out in the table below.

7.24 The charges in the table below are inclusive of liaison with highway authorities, sending street works notices and signing, lighting and guarding. These charges exclude traffic management costs eg temporary traffic lights, road closures etc and Traffic Management Act costs. Where these additional charges are relevant, these will be included in your connection charge.

7.25 These charges exclude charges for any easement, wayleaves or land transfers that are required and these are detailed in Table I Land Rights.

7.26 These charges are covered by the Quotation Accuracy Scheme outlined under paragraphs 7.7 to 7.11 of this Section.

			Area						
Activity	Description	Factors	Unit	Min	Max	Min	Max	Min	Max
Single phase service alteration	Single phase service, including service cable, joint, and termination. Service cable length up to 5 metres.	Service alteration in customer land.	#	£580	£700				
		Same side service alteration in typical grass verge including excavation, backfill and reinstatement to site boundary and joint hole	#	£755	£915				
		Same side service alteration in typical tarmac footpath including excavation, backfill and reinstatement to site boundary and joint hole	#	£890	£1075				
		Cross road service alteration in typical carriageway including excavation, backfill and reinstatement to site boundary and joint hole	#	£2970	£4015				
	Additional metres of service cable	Customer's land	m	£10	£20				
		In typical grass verge (including excavation, installation, backfilling and reinstatement)	m	£45	£60				

		In typical tarmac footpath(including excavation, installation, backfilling and reinstatement)	m	£80	£105				
		In typical carriageway (including excavation, installation, backfilling and reinstatement)	m	£205	£295				
Three phase service alteration (60kVA)	Three phase service, including service cable, joint and termination. Service cable length up to 5 metres. Duct installed by third party.	Service alteration in customer land.	#	£710	£860				
		Same side service alteration in typical grass verge including excavation, backfill and reinstatement to site boundary and joint hole	#	£865	£1040				
		Same side service alteration in typical tarmac footpath including excavation, backfill and reinstatement to site boundary and joint hole	#	£1055	£1270				
		Cross road service alteration in typical carriageway including excavation, backfill and reinstatement to site boundary and joint hole	#	£3140	£4215				
	Additional metres of three phase service cable	Customer's land	m	£15	£25				
		In typical grass verge (including excavation, installation, backfilling and reinstatement)	m	£45	£60				

		In typical tarmac footpath(including excavation, installation, backfilling and reinstatement)	m	£80	£105				
		In typical carriageway (including excavation, installation, backfilling and reinstatement)	m	£205	£295				
Overhead service alteration	Overhead service alteration including overhead line, connection up to 10 metres. Assumes no additional pole required.	Single phase	#	£690	£835				
		Three phase	#	N/A	N/A				
	Overhead to underground service alteration, including removal of overhead service and installation of new underground service with pole termination to connect to overhead network, up to 5 metres* underground service. On site excavation and duct within site boundary installed by third party. Pole at site boundary and assumes no additional poles installed or any removed.	Single phase	#	£1150	£1390				
		Three phase	#	£1205	£1450				

Note 1: Reinstatement costs for cobbles, granite setts, large flag stones etc. will be higher and will be reflected in the Connection Charge

F3 Other LV Services not covered by the QAS

7.27 Our charges associated with construction of services to the Entry/ Exit Point that are not covered by the Quotation Accuracy Scheme are given in Table below. These charges are for the connection of the service cable only.

7.28 Charges below cover both the Contestable and Non-Contestable Work, however these will be identified separately on your Connection Offer/ POC Offer. Note that your Connection Offer will also include charges for Assessment and Design as outlined in paragraph 7.15 and may include other charges.

7.29 The charges in the table below are inclusive of liaison with highway authorities, sending street works notices and signing, lighting and guarding. These charges exclude traffic management costs eg temporary traffic lights, road closures etc and Traffic Management Act costs. Where these additional charges are relevant, these will be included in your connection charge.

7.30 These charges exclude charges for any easement, wayleaves or land transfers that are required and these are detailed in Table I Land Rights.

		Area	Northern Powergrid (Northeast)					
Activity	Description	Unit	Min	Max	Min	Max	Min	Max
Single phase service, up to 100A [20kVA]	One single phase service, from a passing or extended main, including service cable, mains service joint, and termination. Service cable length up to 5 metres per service. Duct installation, excavation and backfill joint hole undertaken by third party.	#	£590	£990				
	Multiple single phase services, from an extended main, including service cable, mains service joints, and termination. Service cable length up to 5 metres per service. Duct installation, excavation and backfill joint hole undertaken by third party.	#	£1060	£1570				
	Excavation and backfill of joint hole	#	£150	£345				
	Additional metres of service cable	m	£10	£30				

Three phase service up to 100A per phase [60kVA]	A single three phase service, from a passing main, including service cable, mains service joint, and termination. Service cable length up to 5 metres per service. Duct installation, excavation and backfill joint hole undertaken by third party.	#	£650	£1055				
	Excavation and backfill of joint hole	#	£150	£355				
	Additional metres of three phase service cable	m	£10	£30				
Three phase service up to 200A per phase [120kVA]	A single three phase service, from a passing main, including service cable, mains service joint, and termination. Service cable length up to 5 metres per service. Duct installation, excavation and backfill joint hole undertaken by third party.	#	£2085	£3155				
	Excavation and backfill of joint hole	#	£245	£1110				
	Additional metres of three phase service cable	m	£15	£35				
Three phase service up to 300A per phase [180kVA]	A single three phase service, from a passing main, including service cable, mains service joint, and termination. Service cable length up to 5 metres per service. Duct installation, excavation and backfill joint hole undertaken by third party.	#	£2140	£3155				
	Excavation and backfill of joint hole	#	£245	£1110				
	Additional metres of three phase service cable	m	£25	£35				
Three phase service up to 300A per phase [240kVA]	A single three phase service, from a passing main, including service cable, mains service joint, and termination. Service cable length up to 5 metres per service. Duct installation, excavation and backfill joint hole undertaken by third party.	#	£2140	£3155				
	Excavation and backfill of joint hole	#	£245	£1110				
	Additional metres of three phase service cable	m	£25	£35				

Three phase service over [240 kVA]	A single three phase service, from a suitable source, including mains or service cable terminations in heavy duty cut-out. Service cable length up to 5 metres per service. Duct installation, excavation and backfill joint hole undertaken by third party.	#	£2185	£3155				
	Excavation and backfill of joint hole		£245	£1110				
	Additional metres of three phase service cable	m	£30	£35				
Services to Multi-occupied Premises	Installation of a multi-way cut-out up to 10 way from a passing or extended main, including cables for adjacent communal metering, mains service joint, and termination. Service cable length up to 5 metres per service. Duct installation, excavation and backfill joint hole undertaken by third party.	#	£2290	£2880				
	Installation of a multi-way cut-out of greater than 10 way from a passing or extended main, including cables for adjacent communal metering, mains service joint, and termination. Service cable length up to 5 metres per service. Duct installation, excavation and backfill joint hole undertaken by third party.	#	N/A	N/A				
	Installation of rising mains and laterals excluding civils and containment work.	M	N/A	N/A				
	Excavation and backfill of joint hole	#	£245	£1110				
	Additional metres of three phase service cable	m	£15	£35				

Note 1: Reinstatement costs for cobbles, granite setts, large flag stones etc. will be higher and will be reflected in the Connection Charge

F4 Unmetered Supplies

7.31 Our charges associated with construction activities in respect of unmetered supplies.

7.32 Charges below cover both the Contestable and Non-Contestable Work, however these will be identified separately on your Connection Offer/ POC Offer. Note that your Connection Offer will also include charges for Assessment and Design as out lined in paragraph 7.14 and may include other charges.

7.33 The charges in the table below are inclusive of liaison with highway authorities, sending street works notices and signing, lighting and guarding. These charges exclude traffic management costs eg temporary traffic lights, road closures etc and Traffic Management Act costs. Where these additional charges are relevant, these will be included in your connection charge.

7.34 These charges exclude charges for any easement, wayleaves or land transfers that are required and these are detailed in Table I Land Rights.

		Area						
Activity	Description	Unit	Min	Max	Min	Max	Min	Max
Unmetered Supplies	New connection up to 5 metres excluding excavation and reinstatement	#	POA	POA				
	Disconnection excluding excavation and reinstatement	#	POA	POA				
	Transfer or reconnection up to 5 metres excluding excavation and reinstatement	#	POA	POA				
	Additional metres of services cable excluding excavation and reinstatement	m	£3	£10				
Unmetered Supplies	New connection up to 5 metres on same side of road including excavation and reinstatement	#	£615	£820				
	New connections up to 10m on other side of road including excavation and reinstatement	#	£2260	£3330				
	Disconnection including excavation and reinstatement	#	£3400	£495				
	Transfer or reconnection up to 5 metres including excavation and reinstatement	#	£435	£585				
	Additional metres of services cable including excavation and reinstatement	m	£70	£85				

Unmetered Supplies	Rent-a-Jointer team (excluding materials)	day	POA	POA				
Unmetered Supplies	Administrative charge for ICP work	#	POA	POA				

Note 1: Reinstatement costs for cobbles, granite setts, large flag stones etc. will be higher and will be reflected in the Connection Charge

F5 Mains Cables

7.35 Our charges associated with cables are set out in the table below:-

7.36 Charges below cover both the Contestable and Non-Contestable Work, however these will be identified separately on your Connection Offer/ POC Offer. Note that your Connection Offer will also include charges for Assessment and Design as outlined in paragraph 7.15 and may include other charges.

7.37 The charges in the table below are inclusive of liaison with highway authorities, sending street works notices and signing, lighting and guarding. These charges exclude traffic management costs eg temporary traffic lights, road closures etc and Traffic Management Act costs. Where these additional charges are relevant, these will be included in your connection charge.

7.38 These charges exclude charges for any easement, wayleaves or land transfers that are required and these are detailed in Table I Land Rights.

7.39 Where the cable charges are associated with the connection there will be an additional charge for the Final Connection to our existing Distribution System and these charges are identified in 7.50.

7.40

		Area						
Activity	Description	Unit	Min	Max	Min	Max	Min	Max
Extension of LV mains cable of 95mm^2 or less	Lay 10m cable or less including jointing onto existing main in prepared trench or pulling through duct installed by others. All backfill and reinstatement by others.	#	£1445	£1965				
	Additional metres of mains cable	m	£10	£20				

	Lay 10m cable or less in typical* footpath or carriageway, including excavation and reinstate to match the existing surface	#	£2620	£5700				
	Additional metres of mains cable	m	£75	£190				
	Lay 10m cable or less in unmade ground, including excavation and reinstate to match the existing surface	#	£1720	£2240				
	Additional metres of mains cable	m	£40	£80				
Extension of LV mains cable of between 95mm^2 and 185mm^2	Lay 10m cable or less in prepared trench or pulling through duct installed by others. All backfill and reinstatement by others including jointing onto existing main.	#	£1555	£2045				
	Additional metres of mains cable	m	£15	£30				
	Lay 10m cable or less in typical* footpath or carriageway, including excavation and reinstate to match the existing surface	#	£650	£5910				
	Additional metres of mains cable	m	£85	£195				
	Lay 10m cable or less in unmade ground, including excavation and reinstate to match the existing surface	#	£1750	£2320				
	Additional metres of mains cable	m	£50	£55				
Extension of LV mains cable of greater than 185mm^2	Lay 10m cable or less in prepared trench or pulling through duct installed by others. All backfill and reinstatement by others including jointing onto existing main.	#	£1615	£2110				
	Additional metres of mains cable	m	£20	£35				
	Lay 10m cable or less in typical* footpath or carriageway, including excavation and reinstate to match the existing surface	#	£2790	£5980				
	Additional metres of mains cable	m	£90	£200				

	Lay 10m cable or less in unmade ground, including excavation and reinstate to match the existing surface	#	£1890	£2380				
	Additional metres of mains cable	m	£55	£60				
Extension of HV mains cable	Lay 20m cable or less in prepared trench or pulling through duct installed by others. All backfill and reinstatement by others including jointing onto existing main.	#	£4190	£6420				
	Additional metres of mains cable	m	£20	£40				
	Lay 20m cable or less in typical* footpath or carriageway, including excavation and reinstate to match the existing surface	#	£6080	£11740				
	Additional metres of mains cable	m	£90	£210				
	Lay 20m cable or less in unmade ground, including excavation and reinstate to match the existing surface	#	£4730	£6960				
	Additional metres of mains cable	m	£55	£65				
Extension of 33kV mains cable	Lay 30m cable or less in prepared trench or pulling through duct installed by others. All backfill and reinstatement by others including jointing onto existing main.	#	POA	POA				
	Additional metres of mains cable	m	POA	POA				
	Lay 30m cable or less in typical* footpath or carriageway, including excavation and reinstate to match the existing surface	#	POA	POA				
	Additional metres of mains cable	m	POA	POA				

	Lay 30m cable or less in unmade ground, including excavation and reinstate to match the existing surface	#	POA	POA				
	Additional metres of mains cable	m	POA	POA				
Extension of 66kV mains cable	Lay 30m cable or less in prepared trench or pulling through duct installed by others. All backfill and reinstatement by others including jointing onto existing main.	#	POA	POA				
	Additional metres of mains cable	m	POA	POA				
	Lay 30m cable or less in typical* footpath or carriageway, including excavation and reinstate to match the existing surface	#	POA	POA				
	Additional metres of mains cable	m	POA	POA				
	Lay 30m cable or less in unmade ground, including excavation and reinstate to match the existing surface	#	POA	POA				
	Additional metres of mains cable	m	POA	POA				
Extension of 132kV mains cable	Lay 40m cable or less in prepared trench or pulling through duct installed by others. All backfill and reinstatement by others including jointing onto existing main.	#	POA	POA				
	Additional metres of mains cable	m	POA	POA				
	Lay 40m cable or less in typical* footpath or carriageway, including excavation and reinstate to match the existing surface	#	POA	POA				
	Additional metres of mains cable	m	POA	POA				
	Lay 40m cable or less in unmade ground, including excavation and reinstate to match the existing surface	#	POA	POA				
	Additional metres of mains cable	m	POA	POA				

Note 1: These charges exclude special reinstatement requirements for example cobbles, granite sets, large flag stones etc

F6 Overhead Lines

7.41 Our charges associated with overhead lines are set out in the table below:-

7.42 Charges below cover both the Contestable and Non-Contestable Work, however these will be identified separately on your Connection Offer/ POC Offer. Note that your Connection Offer will also include charges for Assessment and Design as outlined in paragraph 7.15 and may include other charges.

7.43 The charges in the table below are inclusive of liaison with highway authorities, sending street works notices and signing, lighting and guarding. These charges exclude traffic management costs eg temporary traffic lights, road closures etc and Traffic Management Act costs. Where these additional charges are relevant, these will be included in your connection charge.

7.44 These charges exclude charges for any easement, wayleaves or land transfers that are required and these are detailed in Table I Land Rights.

7.45 Where the overhead line charges are associated with the connection there will be an additional charge for the Final Connection to our existing Distribution System and these charges are identified in 7.53.

		Area						
Activity	Description	Unit	Min	Max	Min	Max	Min	Max
Extension of L:V overhead lines	Erect a single span LV overhead line including termination pole (typical span length 50 m)	#	£2970	£6670				
	Erect additional span LV overhead line (typical span length 50 m)	#	£970	£1380				
Extension of HV overhead lines	Erect a single span HV overhead line including termination pole (typical span length 80 m)	#	£7690	£13460				
	Erect additional span HV overhead line (typical span length 80 m)	#	£1140	£3420				
Extension of 33kV overhead lines	Erect a single span 33kV overhead line including termination pole (typical span length x m)	#	POA	POA				
	Erect additional span 33kV overhead line (typical span length x m)	#	POA	POA				
Extension of 66kV overhead	Erect a single span 66kV overhead line including termination pole (typical span	#	POA	POA				

lines	length x m)							
	Erect additional span 66kV overhead line (typical span length x m)	#	POA	POA				
Extension of 132kV overhead lines	Erect a single span 132kV overhead line including termination pole (typical span length x m)	#	POA	POA				
	Erect additional span 132kV overhead line (typical span length x m)	#	POA	POA				

F7 Substations

7.46 Our charges associated with substations are set out in the table below:-

7.47 Charges below cover both the Contestable and Non-Contestable Work, however these will be identified separately on your Connection Offer/ POC Offer. Note that your Connection Offer will also include charges for Assessment and Design as out lined in paragraph 7.15 and may include other charges.

7.48 The charges in the table below are inclusive of liaison with highway authorities, sending street works notices and signing, lighting and guarding. These charges exclude traffic management costs eg temporary traffic lights, road closures etc and Traffic Management Act costs. Where these additional charges are relevant, these will be included in your connection charge.

7.49 These charges exclude charges for any easement, wayleaves or land transfers that are required and these are detailed in Table I Land Rights.

		Area						
Activity	Description	Unit	Min	Max	Min	Max	Min	Max
HV/ LV substation up to 200kVA	Install pole mounted transformer up to 100kVA including pole & stays	#	£6810	£19090				
	Install pole mounted transformer greater than 100kVA including pole & stays	#	£12960	£23310				
	Install a pad mounted transformer up to 200kVA	#	N/A	N/A				
	Transformer change	#	£7435	£23340				
HV/ LV substation	Install ground mounted transformer up to and including 315kVA including RMU and	#	£30960	£45600				

greater than 200kVA	LV fuse board or circuit breaker.							
	Install ground mounted transformer greater than 315kVA and up to and including 500kVA including RMU and LV fuse board/ cabinet or circuit breaker.	#	£14945	£46220				
	Install ground mounted transformer greater than 500kVA and up to and including 800kVA including RMU and LV fuse board/ cabinet or circuit breaker.	#	£37230	£49560				
	Install ground mounted transformer greater than 800kVA and up to 1000kVA including RMU and LV fuse board/ cabinet or circuit breaker.	#	£39960	£51180				
	Install ground mounted transformer greater than 1000kVA including RMU and LV fuse board/ cabinet or circuit breaker.	#	POA	POA				
	Transformer change	#	£26760	£51118				
HV only substation (customer owned HV/LV transformer)	Install an internal HV switchgear (e.g. RMU) and metered circuit breaker.	#	£22780	£41460				
	Install an external HV switchgear (e.g. RMU) and metered circuit breaker.	#	N/A	N/A				
EHV/ HV primary substation	New indoor single transformer substation	#	POA	POA				
	New indoor double transformer substation	#	POA	POA				
	New outdoor single transformer substation	#	POA	POA				
	New outdoor double transformer substation	#	POA	POA				
	Add an additional transformer at existing indoor substation	#	POA	POA				
	Add an additional transformer at existing outdoor substation	#	POA	POA				
	Change transformer	#	POA	POA				
	Change HV switchgear	#	POA	POA				

132kV/ EHV substation	New indoor single transformer substation	#	POA	POA				
	New indoor double transformer substation	#	POA	POA				
	New outdoor single transformer substation	#	POA	POA				
	New outdoor double transformer substation	#	POA	POA				
	Add an additional transformer at existing indoor substation	#	POA	POA				
	Add an additional transformer at existing outdoor substation	#	POA	POA				
	Change transformer	#	POA	POA				
	Change HV switchgear	#	POA	POA				

G CIC Final Works and Phased Energisation

7.50 The charges set out in the table below set out the final connections to our network.

7.51 Charges below cover Non-Contestable Work or where we are asked to under-take live jointing on Contestable Assets, and will be identified separately on your Connection Offer. Note that your Connection Offer will also include charges for Assessment and Design as out lined in paragraph 7.15 and may include other charges.

7.52 These charges exclude charges for any easement, wayleaves or land transfers that are required and these are detailed in Table I Land Rights.

7.53 The charges below are exclusive of all cable laying or substation installation costs and all joint hole excavation and reinstatement. These will have been covered by separate charges or have been carried out by your ICP.

Activity	Description	Unit	Min	Max
Service Connections	Low voltage service joint to all sizes of low voltage main inclusive of service polarity and earth loop impedance test at the service position	#	£175	£750
LV Mains	Low voltage mains Energisation of all sizes by a mains joint to an existing cable of	#	£260	£895

Energisation	any size			
	Low voltage bottle end to mains cable, any size	#	£110	£135
	Low voltage mains Energisation of all sizes by terminating to an existing piece of low voltage switchgear, including all associated operating costs	#	£1390	£3690
	Low voltage mains Energisation of all sizes by connection to an overhead line	#	£610	£2680
HV Mains Energisation	High voltage cable Energisation of all sizes by a joint to an existing cable of any size including all associated operational costs	#	£2050	£5335
	High voltage cable Energisation of all sizes by connection to an existing overhead line including all associated operational costs	#	£2375	£5875
	High voltage cable Energisation of all sizes by termination to an existing piece of switchgear including all associated operational costs	#	£2220	£5845
Operational work	LV operational work including for identification of cables requiring LV operations only	#	POA	POA
	LV commissioning work including switching to commission LV assets installed by ICPs	#	POA	POA
	HV operational work including for identification of cables requiring HV operations	#	POA	POA

	HV commissioning work including all operational work required to isolate network and commission HV assets installed and jointed by ICPs	#	POA	POA

H CIC Inspection and Monitoring of the Contestable Works

7.54 Our charges associated with site visits to Inspect and Monitor the construction of the Extension Asset by ICPs are set out in the Table below. The frequency of inspection is set out in Section 6.

Category	Unit	Charge
LV Network	per site visit	£110
HV Network	per site visit	£110
EHV Network	per site visit	POA
132kV Network	per site visit	POA
HV/ LV Substation	per site visit	£110
EHV/ HV Substation	per site visit	POA
HV/ LV Civils	per site visit	£110
EHV/ HV Civils	per site visit	POA

I Land Rights

7.55 Our charges associated with Land Rights are set out in the Table below. These charges excluded the cost of any compensation payable to third parties

7.56 Where your ICP chooses to negotiate Land Rights on our behalf the charges shown below will be reduced to cover our cost to process the documentation for forwarding to our solicitors.

Category	Charge	
	Min	Max
Residential development substation site from developer (including easements from developer)	£1327	POA
Commercial/industrial development substation site from developer (including easements from developer)	£1494	POA
Residential/commercial/industrial development substation site from third party owner(s) (including easements	£2388	POA

from same third party owner(s))		
Wayleave(s)/easement(s) only on a residential site from Developer	£50	POA
Wayleave(s)/easement(s) only on a commercial/Industrial site from Developer	£50	POA
Wayleave(s)/easement(s) from third party owner(s)	£50	POA
Acquisition of Consents specifically associated with overhead lines e.g. Section 37 of the Electricity Act approval to erect overhead lines etc	£50	£1135
Survey associated with overhead lines e.g. determination of pole positions, tree clearance etc.	£53/hr	£135/hr
Route marking prior to construction e.g. pegging of overhead line route and pole positions etc.	£53/hr	£135/hr
Acquisition of specific Environmental Consents e.g. Conservation Area, Listed Buildings etc.	POA	POA
Negotiations with individuals or organisations concerning nationally recommended compensation payments e.g. crop loss or land damage. This excludes any third party commercial compensation payment charges which will have to be negotiated separately by the Customer or their Agent.	POA	POA
Traffic Management Act Costs eg permits, lane rental	POA	POA

J Other

7.57 Our miscellaneous charges associated with the provision of the connection are set out in the Table below..

Category	**Charge**
Negotiation of special terms	POA
Meetings not covered by other charges	POA
Abortive Visit	POA
Planning approval	POA
Traffic management costs eg temporary traffic lights, road closures, etc	POA

7.58 The Operation and Maintenance Percentage referred to in 5.12 is given in Section 6.

Section 8 – Glossary of Terms

Act	the Electricity Act 1989 (as amended)
Adoption Agreement	is defined in paragraph 1.15
Affected Parties	is defined in paragraph 2.22.
Application Date	is defined in paragraph 2.22.
Bilateral Connection Agreement	an agreement between us and another LDNO setting out the terms and conditions under which an embedded network shall be entitled to be and remain connected to the Distribution System
Budget Estimate	Is defined in paragraph 2.8 and 3.13
Business Day	any day other than a Saturday, a Sunday, Christmas Day, Good Friday or a day which is a bank holiday within the meaning of the Banking and Financial Dealings Act 1971 and will be from 9:00am to 5:00pm (GMT or BST as applicable).
Committed Network	is defined in paragraph 2.22.
Competition in Connections (CIC)	is defined in paragraph 1.7.
CIC Charges	are the charges detailed in parts D, E, G, H, I, and J of Section 7.
Connection Agreement	is defined in paragraphs 1.16 to 1.17.
Connection Charge	the payment to be made by the applicant to us for the provision of the connection.
Connection Offer	is defined in paragraph 1.13.
Contestable Work	is defined in paragraphs 6.8 to 6.16.
CUSC	the Connection and Use of System Code which constitutes the contractual framework for connection to, and use of, the GB Transmission System.
Customer	the person requesting the connection.
DCUSA	the Distribution Connection and Use of System Agreement designated as such by the Authority under condition 22 of the Licence
De-energise	to deliberately prevent the flow of electricity to or from an Exit/ Entry Point for any purpose other than a system outage on the our Distribution System (and cognate expressions shall be construed accordingly).
Development Phase	the three year period, unless otherwise agreed with us, commencing on the date of Energisation of an embedded network over which the development is constructed.
Disconnect	means to permanently De-energise an Exit/ Entry Point by the removal of all or part of our equipment (and cognate expressions shall be construed accordingly.
Distributed Generation Connections Guide	The guide produced by us as required by our Licence which provides guidance on the connection process for distributed generation.
Distribution Code	is defined in paragraph 1.18.
Distribution System	the system (as defined in the Licence) consisting (wholly or mainly) of electric lines owned or operated by us and used for the distribution of electricity.
ECCR	the Electricity (Connection Charges) Regulations 2002 (SI 2002/93)

	as amended from time to time.
EHV	more than 22kV but not more than 72kV
Electric Lines	means any line which is used for carrying electricity to or from an Exit/ Entry Point and includes, unless the context otherwise requires: (a) any support for such line, that is to say, any structure, pole or other thing in, on, by or from which any such line is or may be supported, carried or suspended; (b) any apparatus connected to such line for the purpose of carrying electricity; and (c) any wire, cable, tube, pipe or other similar thing (including its casing or coating) which surrounds or supports, or is surrounded or supported by, or is installed in close proximity to, or is supported, carried or suspended in association with, any such line.
Electric Plant	means any plant, equipment, apparatus or appliance used for or for purposes connected with the distribution of electricity (including any metering equipment) other than an Electric Line.
Energise	to deliberately allow the flow of electricity to or from an Exit/ Entry Point where such a flow of electricity has never previously existed (and cognate expressions shall be construed accordingly).
Enhanced Scheme	is defined in paragraph 5.4
Entry/ Exit Point	A point at which electricity, whether metered or unmetered, enter or exit our Distribution System.
Existing Capacity	is defined in paragraph 5.24
Existing Network	is defined in paragraph 2.22
Extension Assets	are assets installed to connect a party or parties to the existing distribution network but which exclude Reinforcement assets.
Fault Level	the maximum prospective current or power that will flow into a short circuit at a point on the network, usually expressed in MVA or kA.
Fault Level Contribution from Connection	is defined in paragraph 5.24
Feasibility Study	Is defined in paragraph 2.9 and 3.14
GB Transmission System	the system consisting (wholly or mainly) of high voltage electric wires owned or operated by transmission licensees within Great Britain.
Guaranteed Standards of Performance	standards of service backed by a guarantee and set out in the Electricity (Standards or Performance) Regulations 2005 (as amended).
HV	more than 1kV but not more than 22kV
Independent Connections Provider (ICP)	a person with sufficient accreditation to carry out all or part of the Contestable Work.
Interactive Connection Applications	is defined in paragraph 2.22
Interactive Connection Offers	is defined in paragraph 2.22
Interactive Queue	is defined in paragraph 2.22
Interruptions Incentive Scheme	the scheme which provides incentives on us to deliver a good level of performance in respect of customer interruptions and customer minutes lost.

Land Rights	all such rights in, under or over Land as are necessary for the construction, installation, operation, repair, maintenance, renewal or use of the Contestable Work or Non-Contestable Work.
Licensed Distribution Network Operator (LDNO)	the holder of a Licence to distribute electricity.
LV	not more than 1kV
Maximum Capacity	means in relation to any connection the maximum amount of electricity, as agreed with us and expressed in kW or kVA, that can be imported from or exported onto our Distribution System.
Meter Point Administration Number (MPAN)	is a 21 digit reference to uniquely identify Exit/ Entry Point, such as individual domestic residences.
Minimum Scheme	is defined in paragraphs 5.1 to.5.7.
National Electricity Registration Scheme	is defined in paragraph 3.3
New Fault Level Capacity	is defined in paragraph 5.24
New Network Capacity	is defined in paragraph 5.24
NGET	National Grid Electricity Transmission plc
Non-Contestable Work	is defined in paragraphs 6.3, 6.4 and 6.16.
Notice of Interactivity	is defined in paragraph 2.22
POC Offer	is defined in paragraph 1.14
Point of Connection (POC)	is the point (or points) of physical connection to our existing Distribution System.
Premises	means any land, building or structure
Reinforcement	is defined in paragraphs 5.16 to.5.21..
Relevant Section of Network	is defined in paragraph 5.24
Rent-a-Jointer Services	the service relating to hiring of resource from us to facilitate the provision of unmetered connections.
Required Capacity	is defined in paragraph 5.24
Scheme	our network design to provide the connection.
Service Line	is defined in paragraph 7.6
Single LV Service Demand Connection	is defined in paragraph 7.6
Small Project Demand Connection	is defined in paragraph 7.6
Speculative Developments	is defined in paragraph 5.39
SSEG	is defined in paragraph
Supplier	a person who holds a Supply Licence.
Supply Licence	a licence granted under section 6(1)(d) of the Act.
Supply Number	a unique identifier of those Entry/ Exit Points on the Distribution System which are used for the purposes of either taking a supply of electricity or for the connection of a distributed generator, and which forms the basis of the metering point record on the Company's

	registration system.
Temporary Connections	is defined in paragraph 5.19
Validity Period	The period for which a connection Offer or POC Offer is open for acceptance.
Voltage of Connection	is the voltage at the POC between the existing distribution network and the assets used to provide the connection. For clarity, this is not necessarily the voltage of supply to the Customer
Working Day	Any day other than a Saturday, a Sunday, Christmas Day, Good Friday or a day which is a bank holiday within the meaning of the Banking and Financial Dealings Act 1971.