



**SP ENERGY
NETWORKS**

Case Study: Distribution cable deviation required



The above image highlights a situation which occurs all too frequently on construction sites. Housing developer proposing to construct a property at the location of a ScottishPower distribution cable.

The ScottishPower network should not be built over at any time; building over the electrical network will restrict ScottishPower's access to their network. In this case the electricity cable was clearly marked on ScottishPower EnergyNetworks cable records; the housing developer was pointed to Customer Connections department to progress the required cable deviation. Cable record enquiries are to be directed to ScottishPower Data Management section on the telephone number below.

Plan the Project - cable record enquiries:

0141 567 4455 (North) 01516 092 373 (South)

**All Cable Record enquiries
should be addressed to:**

SP Energy Networks (North)

Data Management
(Correspondence)
55 Fullerton Drive
Cambuslang
Glasgow G32 8FD

t: 0141 567 4155 or 0141 567 4455

e: Requestforplansscotland
@scottishpower.com

SP Energy Networks (South)

Data Management
(Correspondence)
North Cheshire Trading Estate
Prenon Way
Prenon
Birkenhead CH43 3ET

t: 0151 609 2373

e: Requestforplansmanweb
@manweb.co.uk

**All Cable Deviation Requests
/Service Alterations enquiries
should be addressed to:**

SP Energy Networks (North)

Customer Connections
55 Fullerton Drive
Cambuslang
Glasgow G32 8FA

t: 0141 614 9997

SP Energy Networks (South)

Customer Connections
PO Box 290
Lister Drive
Liverpool L13 7HJ

t: 0151 221 2110

Emergency contact

In an emergency, or if there is any damage to SP Energy Networks cables or plant, call the appropriate number:

**SP Energy Networks
North**

*Central & Southern
Scotland*

0845 272 7999

**SP Energy
Networks
South**

*Cheshire,
Merseyside
& North Wales*

0845 272 2424





Case Study: High Voltage Unplanned Cable Deviations Required On Construction Site:



The above image highlights a situation which occurs all too often around the ScottishPower electrical network, 7 high voltage cables had been exposed on a construction site

The cables are running from a primary sub-station, contractor on site proposing to install concrete foundations for house building construction at the location of the exposed cables with further plans to construct a car parking area with a retaining wall. Contractor had full knowledge that the high voltage cables were present, prior to construction taking place, however ScottishPower were not contacted until the project was well underway.

ScottishPower's underground electrical network cannot be constructed/concreted over. The presence of electrical underground apparatus should be addressed at the planning stage of all projects to ensure the integrity of the electrical network will always be maintained.

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Case Study:

Erecting
porches, sunrooms, extensions,
conservatories, landscaping



The above image highlights excavations taking place to construct a porch to the front of a property.

An architect had been consulted regarding the structure and plans were drawn up for the customer, however, underground utilities had not been taken into consideration. When excavations progressed utilities plant were found to be in the foot-print of the proposed porch. The inconvenience and added timescales to the customer and ScottishPower were considerable.

ScottishPower underground cables should not be built over at any time, cable records should also be consulted at the planning stage of any construction project.

Prior to any excavations taking place cable records should always be consulted.

All SP Energy Networks cable record enquiries are to be directed to the relevant (North or South) Data Management team.

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SP Energy Networks (North)

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55 Fullerton Drive
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Glasgow G32 8FD

t: 0141 567 4155 or 0141 567 4455

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Scotland*

0845 272 7999

SP Energy

Networks

South

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Merseyside
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0845 272 2424





SP ENERGY NETWORKS

Case Study: Damaging HV Cable during Excavations for a Garage/Sunroom house extension



The above image highlights a situation which impacted on a project to build a garage/sunroom onto the side of a house property.

If the correct planning had been undertaken; contact with the cable could have been avoided, fortunately on this occasion no injuries were sustained to the operatives. Architect had not advised the customers/contractors that cables were present at the property, no ScottishPower cable records on site, consequently the mini-excavator came into contact with a high voltage cable (11,000 volts) The HV cable had to be diverted to allow the project to commence, a cost that the householder/architect had not budgeted for.

Prior to any excavations taking place Cable Records should always be consulted,

Always assume cables are present until proved otherwise

All Cable Record enquiries should be addressed to:

SP Energy Networks (North)

Data Management
(Correspondence)
55 Fullerton Drive
Cambuslang
Glasgow G32 8FD

t: 0141 567 4155 or 0141 567 4455
e: Requestforplanscotland@scottishpower.com

SP Energy Networks (South)

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(Correspondence)
North Cheshire Trading Estate
Prenon Way
Prenon
Birkenhead CH43 3ET

t: 0151 609 2373
e: Requestforplansmanweb@manweb.co.uk

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Cambuslang
Glasgow G32 8FA

t: 0141 614 9997

SP Energy Networks (South)

Customer Connections
PO Box 290
Lister Drive
Liverpool L13 7HJ

t: 0151 221 2110

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SP Energy Networks North
Central & Southern Scotland
0845 272 7999

SP Energy Networks South
Cheshire, Merseyside & North Wales
0845 272 2424



SP ENERGY NETWORKS

Case Study: Removal of ground cover over cable (service alteration required)



The above image highlights an incident where ground cover was reduced from a small garden to form a car-parking space exposing the low voltage service to the property.

This situation could have been avoided if the correct planning had taken place prior to the job commencing. No cable records on site and customer and contractor were unaware of utilities at the locus. Due to the works taking place ScottishPower were obliged to carry out a service alteration to the property for safety reasons, the customer was billed for this service. (An expense which had not been budgeted for) Cover over SP Energy Networks cables should not be reduced at any time. Cable record enquiries are to be directed to ScottishPower Data Management section on the telephone number below.

Prior to any excavations taking place cable records should always be consulted.

All SP Energy Networks cable record enquiries are to be directed to the relevant North or South Data Management team.

All Cable Record enquiries should be addressed to:

SP Energy Networks (North)

Data Management
(Correspondence)
55 Fullerton Drive
Cambuslang
Glasgow G32 8FD

t: 0141 567 4155 or 0141 567 4455

e: Requestforplanscotland
@scottishpower.com

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Scotland*

0845 272 7999

SP Energy

Networks

South

*Cheshire,
Merseyside
& North Wales*

0845 272 2424





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Case Study: Removal Of Ground Cover Over Service Cable (2)



The above image highlights a situation where ground cover was reduced from a small garden to extend an existing driveway, during the process, exposing the low voltage service cable 0.225(3) to the property. This situation could have been planned for if the correct action had taken place prior to the job commencing. No cable records on site and customer and contractor were unaware of utilities at the locus. Due to the works taking place ScottishPower informed the customer that a service alteration to the property was required for safety reasons to ensure that the existing cable had the correct level of cover, the customer was billed for this service. (An expense which had not been budgeted for) Cover over ScottishPower EnergyNetworks cables should not be reduced at any time. Cable record enquiries are to be directed to ScottishPower Data Management section on the telephone number below.

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