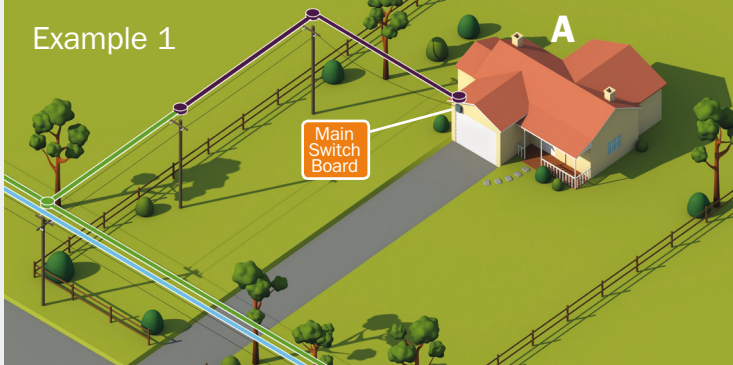


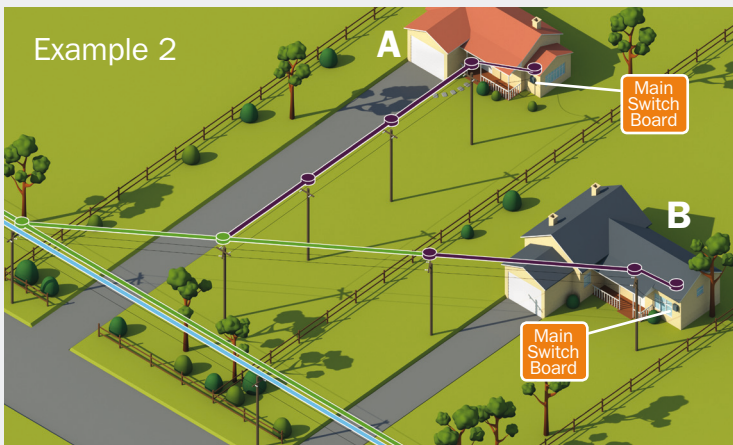
Example 1



Dedicated low voltage (LV) overhead (OH) supply from street mains

Customer A - Dedicated OH line supplied from the street mains. Essential Energy will inspect and maintain the service from the distribution mains located on the street to the first lead in pole inside the boundary (green line). We will inspect the line to the Main Switch Board (MSB) and Customer A will maintain the first lead in pole and the aerial consumer mains beyond (purple line). The demarcation point is the first lead in pole as per the NSW Service and Installation Rules.

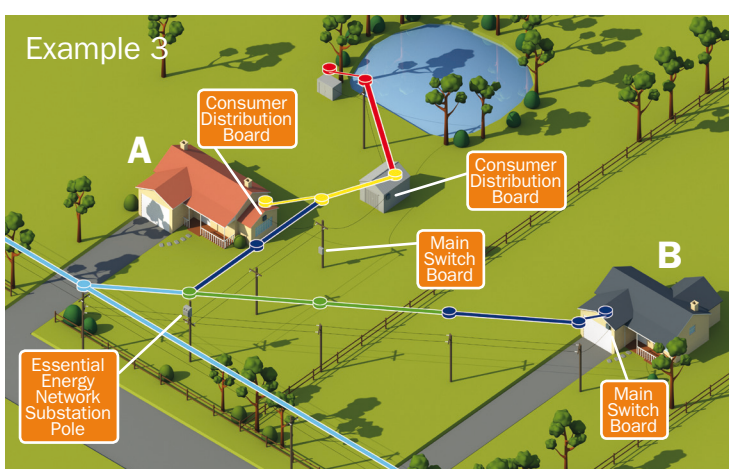
Example 2



Dedicated LV OH supply from street mains with shared assets on private land

Customer A and B - Dedicated LV OH line supplied from street mains but has a pole on private land that supplies a neighbouring property. Essential Energy will inspect and maintain the shared assets (green line). We will also inspect the poles to the MSB but it is the customer's responsibility to maintain the first pole after the shared assets and thereafter (purple line).

Example 3

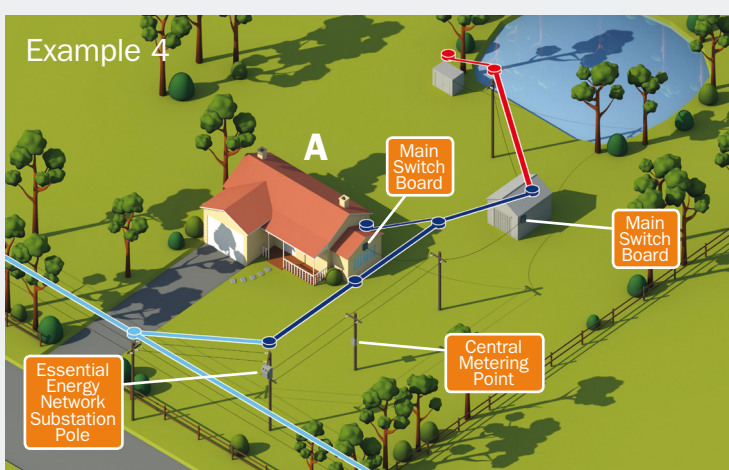


LV OH lines and poles supplied from high voltage (HV) assets on private land - OH LV poles and lines beyond a MSB

Customer A - There is a centralised MSB with sub-main protection to the house and shed. Essential Energy will inspect and maintain the line from the transformer to the centralised MSB (blue line). We will inspect the aerial sub-mains from the MSB to the Consumer Distribution Board as the LV network beyond the MSB is continuously connected to our network but, it is the customer's responsibility for maintenance on this line (yellow line). The aerial sub-mains that are supplied from the shed down to the dam pump will not be inspected by us and it is the responsibility of the customer to inspect and maintain these assets, as they are not continuously connected (red line).

Customer B - This line, which does not cross public land, is supplied from a transformer on private land. The line that is on the neighbouring property and crosses the boundary is the Essential Energy distribution or service mains and is inspected and maintained by us. The first dedicated pole inside the property will also be inspected and maintained by us up until the MSB.

Example 4



LV OH lines and poles supplied from HV assets on private land - OH LV poles and lines before a MSB including Central Metering Point

LV OH line is supplied from an Essential Energy network substation pole located on the customer's property.

Customer A - In this case there is a central metering point without any sub-main protection. There is a MSB with sub-main protection on the house and shed. Essential Energy will inspect and maintain the line from the transformer to the MSB including the centralised metering point (**blue line**). The aerial sub-mains that are supplied from the shed down to the dam pump will not be inspected by us and it is the responsibility of the customer to inspect and maintain these assets (**red line**).

Example 5

The diagram illustrates a distribution network with three feeders (A, B, and C) and a central metering point. The network is shown in a 3D perspective view of a rural area with houses, trees, and roads.

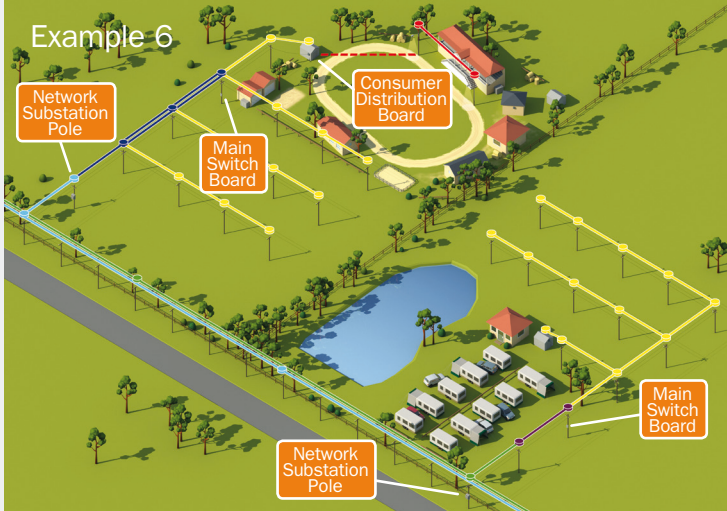
- Feeder A:** A red line connecting a house to a **Main Switch Board** and a **Central Metering Point**.
- Feeder B:** A blue line connecting a house to a **Main Switch Board** and a **Central Metering Point**.
- Feeder C:** A yellow line connecting a house to a **Main Switch Board** and a **Central Metering Point**.
- Central Metering Point:** A green line connecting the three feeders to a central **Network Substation Pole**.
- Main Switch Boards:** Three separate **Main Switch Boards** are shown, each connected to a house and a feeder.

LV OH line is supplied from an Essential Energy network substation pole located on the customer's property.

Customer B - This line, which does not cross public land, is supplied from a transformer on private land. The line that is on the neighbouring property and crosses the boundary is the Essential Energy distribution or service mains and is inspected and maintained by us. The first dedicated pole inside the property will also be inspected and maintained by us up until the MSB.

Customer C - The line is supplied from a transformer that is on private land but, in this case, it crosses public boundary and becomes a dedicated line supplying this customer. We will inspect all poles on this property, including the aerial consumer mains (purple line) and continuously connected aerial sub-main (yellow line). The customer is responsible for maintenance on the first pole within the boundary, including the aerial consumer main to the MSB (purple line). The customer is also responsible for maintenance on the aerial sub-mains that are continuously connected (yellow line).

Example 6





Low voltage lines (public amenity areas)


Showground - The network substation pole supplying the customer is on private land. Essential Energy will inspect and maintain the assets up to the MSB (blue line). The aerial sub-mains that are beneath the Essential Energy mains are inspected and maintained by us (blue line). The aerial sub-mains that are stand-alone but continuously connect to our assets are inspected by us and maintained by the customer (yellow line). The underground mains that supply the aerial sub-main for the lights around the jockey track are not continuously connected (red line). Therefore, these poles will not be inspected by us and it is the responsibility of the customer to inspect and maintain these assets.


Caravan park - The transformer supplying the caravan park is not on private land. It is a dedicated OH LV line supplied from the street mains. Essential Energy will maintain the service from the distribution mains located on the street to the first lead in pole inside the boundary (green line). The caravan park will maintain the first lead in pole, the aerial consumer mains (purple line) to the MSB and the continuously connected aerial sub-mains (yellow line). We will inspect the aerial consumer mains and the continuously connected aerial sub-mains.


Legend for private poles example diagrams


 High voltage Essential Energy distribution mains. Essential Energy inspected and labelled as an Essential Energy pole with a 'NP' prefix. Essential Energy maintained.

 Low voltage Essential Energy distribution/service mains. Essential Energy inspected and labelled as an Essential Energy pole with a 'NP' prefix. Essential Energy maintained.

 Low voltage Essential Energy distribution/service mains. Essential Energy inspected and labelled as an Essential Energy pole with a 'NP' prefix. Essential Energy maintained.

 Low voltage customer consumer mains upstream of the Main Switch Board (MSB). Essential Energy inspected, private asset (in rural area the poles are labelled with a 'PP' prefix and in an urban area the poles are typically unlabelled). Customer maintained via electrical contractor.

 Low voltage customer sub-mains (mains beyond the MSB) that are continuously connected to overhead consumers mains or service mains. Essential Energy inspected and labelled as a private pole with a 'PP' prefix. Customer maintained via electrical contractor.

 Low voltage customer sub-mains (mains beyond the MSB) that are not continuously connected to overhead consumers mains or service mains (typically supplied from underground cable or go through building). Customer inspected, no label and customer maintained via electrical contractor.