

# Construction News - Engineering

## 11kV/22kV Line Post High Pollution Polymer Insulators

- > 11kV/22kV Line Post High Pollution Polymer Insulators will now be supplied with a modified 76mm neck that will allow preform ties to be utilised.
- > This advice supersedes Construction News 15-15 issued in 2015 that indicated these insulators were to be hand tied due to conductor seating issues when using preform ties.

### Background – what happened?

In 2015, it was highlighted that the 11kV/22kV Line Post High Pollution Polymer Insulators (Catalogue number 261440) were supplied with the flat sided neck, pictured in Figure 1. This prevented the conductor seating in the groove effectively. A Construction News was issued at the time, CN15-15, to communicate they **must** only be hand tied.

### Redesign completed.

The supplier has re-engineered the top neck shape of the standard 76mm insulator. With the redesign, the preformed ties can now be utilised as there is sufficient space allowing the conductor to be seated properly in the insulator tie-top groove.

Essential Energy warehouses and stores will now run out any existing stock of the 11kV/22kV Line Post High Pollution Polymer Insulators. Once stocks are exhausted, the new version with the redesigned tops (Figure 2) will be provided.

Accredited Service Providers (ASPs) will still be able to use any existing stock they hold. Once they have exhausted the stock of the old ones, the new ones can be preform tied.

### What do you need to do?

When receiving deliveries of 11kV/22kV Line Post High Pollution Polymer Insulators, double check which model has been delivered and use the appropriate tie.

Once the new version is delivered ensure all staff are aware that preform ties are the preferred installation method.



Figure 1 – The old supplied insulator



Figure 2 New redesigned insulator



More information is available on [Standards Online](#). If you have any questions, please contact: Brett Atkinson, on 0419 343 400 or David Simpson, on 0427 485 499.