



Part of the Energy Queensland Group

Operational Update

[Subdivision Updates]

Issue # C-0002 – 03 December 2018

Target Audience:

Consultants, Service Providers and Developers

Introduction:

Wayleave document, Bank Guarantee/Surety Bond, Consumers Mains Neutral Bar, LV
UG Termination Kits in PMT's, Decomposed Granite

Wayleave Document

Energex will now permit the *Consent to the Erection of Electric Line* document (ENERGEX form 1146, also known as the *Wayleave*); document to be submitted electronically. Having said that, it is desirable for ENERGEX to receive the original paper copy of the Wayleave form where it is available.

Bank Guarantee/Surety Bond

For a bank guarantee or surety bond to be acceptable all the following criteria must apply:

- They must be made out to: **ENERGEX LIMITED, ABN 40 078 849 055**
- The financial institution or insurance company must have offices or representation within Australia and must be assessable directly by the Group;
- The financial institution or insurance company must have a public rating of at least BBB+ or equivalent rated by Standard & Poor's, Moody's or Fitch;
- The bank guarantee or surety bond must state that it is: **irrevocable, unconditional and payable on demand**;
- The expiry date or issue period of the bank guarantee or surety bond must be for no less than 5 years or have no expiry date;
- The company names and Australian Business Numbers on the bank guarantee or surety bond must be accurate; and
- The original bank guarantee or surety bond, fully executed by the financial institution or insurance company, must be obtained.

Please contact subdivision@energex.com.au if you have concerns regarding particular institutions Bank Guarantee/Surety Bond being acceptable to EQL.

Consumer Mains Neutral Bar – (PMT)

The consumers mains neutral bar in a PMT was not intended to be utilised for the Energex mains cable neutral conductor termination point. This neutral bar extension which is located adjacent to LV transformer Isolator was installed to enable the connection of the consumer mains neutral

conductor without the need for the AS3000 contractor to work behind energised LV mains within the PMT..

There are instances where the Connection Officers have asked for the mains neutral conductor to be relocated to the appropriate connect point per the Underground Distribution Construction Manual (UDCM) so the consumers mains neutral can be safely connected by the AS3000 electrical contractor. In one case the Connection Officers had four consumers mains connected in parallel to energise within the one Commercial & Industrial estate, with the consumers mains being 300mm² copper cable. If it were not for the fact the Connection Officer scoped the site prior to the connection date, the connection would have been cancelled until the Energex mains neutral could be relocated in accordance with the UDCM. This could have caused unnecessary and costly delays for the consumer.

Energex will accept an Energex mains neutral being connected on the consumers mains neutral bar on projects that have been Energised and a completion package submitted by COB 31 December 2018 provided the Accredited Service Provider can provide evidence to Energex Subdivision Department that there is no possibility of consumers mains being terminated in the PMT in the future. If it cannot be demonstrated that consumers mains will not be connected to the PMT, then the Accredited Service Provider will be required to relocate the Energex mains cable neutral to the appropriate location per the UDCM. Please refer the attached drawing.

Projects with a completion package received from 1 January 2019 onwards will be expected to have the Energex mains cables neutrals to be connected to the main Neutral bar via the 95mm² tail per the UDCM. Please note, Energex only provides 3 x 95mm² neutral tails. The Accredited Service Provider will be required to provide the 4th tail if all four outgoing LV circuits are being utilised. Energex will be issuing non-conformance where the Energex mains cable neutral is connected to the consumers mains neutral bar from the above date. The expectation is the Accredited Service Provider will rectify the non-conformance, with Energex to reinspect the works prior to Energex issuing the COA.

LV UG Termination Kits in Padmount Transformers

Energy Queensland (EQL) has been investigating removing the requirement for the additional heat shrink tubing over the XLPE on the LV padmount transformer cable termination. Currently the termination kit which is referenced on the construction drawing includes the additional heat shrink tubing as part of the kit. This is due to the kit being intended for outdoor and indoor usage. For cable terminations exposed to the sun (i.e. pole terminations); the heat shrink tubing is required to be installed.

Until we formalise our position, Energex will accept the following as an interim measure where projects have been Energised and a completion package has been submitted by COB 31 December 2018:

- Crimp lug connectors for the padmount transformer termination
- Heat shrink over the terminal lug and the switchgear lug
- No requirement for heat shrink tubing over the XLPE between the 4 way Glove and the Lug

Backfill Stabiliser in Padmount Transformer sites

The use of decomposed granite (deco) is not permitted in cable apertures in padmount transformer sites. Energex will require the sites to be finished off with a 30mm deep layer of 1:16 ratio weak mix concrete to seal the aperture. Please refer drawing 6229-A4 in Section C3 Sub-Sect 2.5, sheet 1 of 1 in the UDCM. This requirement is effective for Completion Packages from 1 January 2019.

Conduit test report & Mandrel Testing

Energex will not require Accredited Service Providers to complete the Conduit Verification and Certification Sheet (F1485) for Subdivision works unless specifically requested by Energex Subdivision Department. The “As-Constructed” drawings and “Certificate of Completion” will be sufficient in most cases.

Where we may request completion of the Conduit Verification and Certification Sheet is in specific circumstances, eg where a bank of empty conduits are being installed for future use.

For more information contact:

[E-mail subdivision@energex.com.au](mailto:subdivision@energex.com.au)

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