

The background of the cover is a photograph of utility workers. Two workers in orange safety gear and hard hats are climbing a wooden utility pole. A yellow ladder is leaning against the pole. In the foreground, the front of a white ISU truck is visible, with 'the lines company' and 'contracti' logos on its side. The truck's number '61' is also visible. The scene is set outdoors with a grassy hill in the background under an overcast sky.

Qualitative Information Monitoring Load and Injection Constraints

31 August 2024

Pursuant to the Electricity Distribution Information Disclosure (Targeted Review 2024) Amendment Determination 2024

Clause 2.6.1B Each EDB is also required to publicly disclose qualitative information in narrative form that describes its practices in a manner that complies with clause 17.2.2 of Attachment A by 31 August 2024 in a standalone document.

Attachment A Asset Management Plans

Voltage quality

17.2.2 monitoring load and injection constraints, including:

(a) any challenges, and progress, towards collecting or procuring data required to inform the EDB of current and forecast constraints on its low voltage network, including historical consumption data; and

(b) any analysis and modelling (including any assumptions and limitations) the EDB undertakes, or intends to undertake, with the data described in clause 17.2.2(a).

Disclosure:

The Lines Company (TLC) currently acquires smart meter data for approximately 90% of ICPs on its network, specifically almost all ICPs with a communicating AMI meter, from Influx Energy Data Limited. After conducting trials in collaboration with other Electricity Distribution Businesses, TLC invested in Gridsight for low voltage (LV) monitoring.

Gridsight is a sophisticated geospatial and engineering tool designed for visualising and analysing capacity and power quality on LV networks. Leveraging Gridsight technology will enable TLC to identify load constraints and address low voltage power quality issues throughout the LV network. This information will aid in forecasting constraints and provide essential data for future analysis by utilising Dynamic Operating Envelope (DOE) data, offering greater visibility on distributed energy resources (DER) and electric vehicle (EV) installations within an Electricity Distribution Network Operator (DNO) environment.

Over the past year, TLC has begun collecting usage and power quality data from smart meters on its network, with plans to utilise this data for future network planning and integration into operational workflows.

We will provide updated information in our Asset Management Plan (AMP) disclosure due 31 March 2025.

Schedule 18 Certification for Disclosures

Clause 2.9.2

We, Bella Takiari-Brame and Michael Underhill, being directors of The Lines Company Limited (TLC) certify that, having made all reasonable enquiry, to the best of our knowledge-

- a) the information prepared for the purposes of clause 2.6.1B of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination.

A handwritten signature in black ink, appearing to read "Bella Takiari-Brame".

Bella Takiari-Brame
Director

A handwritten signature in black ink, appearing to read "Michael Underhill".

Michael Underhill
Director

31 August 2024