

Additional Disclosure under Clause 2.6.1B of the Electricity Distribution Information Disclosure Determination 2012

The requirements of 17.2.2 have been partially addressed in the AMP2024 sections:

- 3.7.2.1 Monitoring voltage quality on the low-voltage network,
- 3.7.2.5 Plans for Improvement, and
- 6.6.7.1 Innovation practices planned or undertaken since the last AMP, Low-voltage Network Visibility.

A revised Directors Certificate will be provided by 19 October 2024.

Section 3.7.2.1

In addition to the information provided in section 3.7.2.1, MainPower has faced the following challenges in collecting or procuring data:

- Availability of data: MainPower has managed to secure voltage, current and phase angle data at 5-minute intervals from one of the smart meter providers on the network, however this is only 3,500 meters (approx. 8% of total network ICPs).
- More than 80% of ICPs are with a single smart meter provider. Through commercial negotiations it has been established that the meters haven't been configured to record this data. MainPower is trying to work with this metering provider to have the meters re-configured to record the required data and attempt to form on a commercial agreement.
- Data cost: Whilst MainPower has secured a commercial agreement for access to some smart meter data (8%), across 45,000 ICPs this is a significant OPEX cost on our consumers which is currently a barrier to gaining access.
- MainPower is exploring an option to gain access to consumption data only, however the benefit vs. cost is less attractive than full access to low voltage data to understand and model current and upcoming constraints.

Section 3.7.2.5

As above, section 3.7.2.5 may be insufficient in describing the extent of analysis and modelling that MainPower has undertaken (or intends to undertake) with the data that may be made available for analysis of the low-voltage network.

- MainPower has an HV load flow model which currently uses assumptions for load distribution downstream of our HV SCADA points. We are intending to incorporate the collected smart meter data to refine this model and allow more accurate modelling of network capability and constraints, and the effectiveness of both traditional and non-network/flexibility solutions.
- MainPower is currently finalising its LV strategy which includes our own internal data analysis as well as considering third-party analytics platforms to understand and proactively manage voltage compliance issues, consumer 'energy use' trends and to inform more accurate, bottom-up, network energy forecasting and constraint identification as consumer energy resources increase (EV, PV, batteries). We are currently using data we have secured for 8% of our network ICPs to develop general trends however this ultimately leads to more assumptions due to the low coverage of the network.

- MainPower intends to use smart meter data to help inform where supplementary network installed transformer monitors are needed to gain additional information to improve and validate our modelling.
- MainPower intends to use smart meter data to analyse and inform changes to existing distribution transformer tap settings as a low-cost option to optimise existing assets to support consumer requirements, before implementing upgrades or other more costly solutions.

Section 6.6.7.1

Section 6.6.7.1 does describe MainPower's intended course of action in respect of low-voltage network data, but once again, this may be insufficient to meet the requirements of 17.2.2 (b).

- MainPower's intended course of action remains to continue working with other smart meter providers in our region to reconfigure meters to collect voltage, current and phase angle data and obtain access to the smart meter data at a fair and reasonable price for our consumers.