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Part of Energy Queensland

Metering

03598 kWh

Capability Statement 2022

Through market-leading metering solutions, our data insights will empower decisions and transform business.

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NEM Type 1-4 metering services

Metering Coordinator (MC)

The role of the MC is independent of both the network business and the electricity retailer. As a MC, we are responsible for appointing the MP who installs and maintains the meter and the MDP who will collect the customer energy usage data and provide it to the NEM, electricity retailer and other customer nominated parties.

Metering Provider (MP)

We are an accredited MP which means we can install, commission, gather and verify data remotely from meters within the NEM market. MP services include the provision, installation and maintenance of compliant metering within the NEM Type 1-4 category.

As an MP, we have proudly led the industry in developing innovative load control and solar metering solutions, while also being an early enabler of remote metering capabilities including disconnection and reconnection services.

Metering Data Provider (MDP)

Our range of MDP services includes data warehousing, data validation, data delivery and billing services for metering installations within the NEM for meter types 1-4.

Metering

Yurika provides intelligent metering technology, data and insights to market operators, energy retailers, local network service providers, energy brokers and large business customers across Australia.

Leveraging decades of experience, we can help you to make informed decisions about your energy, gas, and water usage to improve your operating efficiency, support achievement of your sustainability goals and connect you to an electric future.

We specialise in the provision of high-quality innovative metering solutions that include:

- National Electricity Market (NEM) Type 1-4 metering for business and residential customers
- Embedded networks
- Multi-utility (water, gas, electricity) sub-metering
- Value-adding data and analytics
- Ancillary metering solutions that include HV testing and design consulting services

NEM Type 1-4 metering services

We are an Australian Energy Market Operator (AEMO) accredited Metering Coordinator (MC), Meter Provider (MP) and Meter Data Provider (MDP) for Type 1-4 metering services for business and residential customers. The NEM covers all Australia except the NT and WA. The NEM is both a wholesale electricity market and the physical power system used to transport power.

Embedded Networks

As an accredited Embedded Network Manager (ENM), we have wide ranging and proven experience in delivering and managing embedded networks for customers across retirement villages, shopping centres, apartment buildings, airports and other developments.

Our services include:

- Metering solutions for new greenfield and existing brownfield sites
- Providing consulting services to ensure compliance with National Electricity Rules (NER) and local jurisdictional rules is met

Yurika provides pattern approved, NEM compliant embedded metering solutions and can also act as the ENM. Our embedded network metering services enable embedded network operators (ENOs) to gain access to electricity consumption data, helping them to understand tenant usage and provide data feeds for accurate billing.

Embedded Network Management services

We can be appointed by an ENO / Exempt Embedded Network Service Provider (EENSP) to provide ENM services by entering into a services agreement. Our ENM services include:

Establishment

- Collection of drawings and documentation relating to the Embedded Network
- Review of electrical layout and connection points
- Embedded network code creation/transfer
- National Metering Identifier (NMI) allocation for child connections
- Standing data collection
- Allocation of distribution loss factors and network charge codes

Ongoing Management

- Ongoing compliance of embedded network
- Creation/abolishment of child NMIs
- Performing the role of LNSP
- Annual AEMO audit
- Notifications to other market participants when required
- Ensuring data retention and security is upheld
- Dispute resolution and complaints handling

Multi-utility sub-metering

Our multi-utility sub-metering solutions gather accurate energy and utility information to assist you in understanding consumption across your site(s). We can install metering at strategic points in your utility/energy supply line to measure electricity, gas and water usage for

specific components, areas, or outcomes, including:

- Main incoming water and gas meters to obtain usage data for the entire site
- Installation of electrical sub meters to measure usage for specific operational components as well as to support monetisation of solar generation, batteries, and electric vehicles
- Tenancy metering
- Solar Generation Sub Metering
- Battery Storage Sub Metering

Efficiency reporting and environmental building ratings (such as NABERS)

- Government reporting for efficiency purposes
- Determining a building rating, such as Australian Government Building Rating
- Statistical analysis to improve plant efficiency opportunities
- Greenhouse gas emissions

Our innovative multi-utility solutions and value-adding information services can also assist customers with environmental requirements such as:

- National Australian Built Environment Rating System (NABERS)
- The National Greenhouse and Energy Reporting Act 2007 (NGER)
- Green star

Bill validation

Data from our multi-utility sub meters can be used to validate utility accounts and ensure correct charging by electricity retailers or water and gas utilities.

Data and analytics solutions

We provide a vast and varied suite of data visualisation, analytics and reporting products that can provide you with rich insights, enabling timely and effective decision-making that can transform your business. We deliver information that is accurate, relevant and consistent using systems that are easy to use, dependable, flexible and secure.

Our data and analytics solutions enable your customers to better manage their utility and energy consumption through a range of cost-effective solutions suitable for various information needs, resources and IT requirements.

InfoDynamics is an intuitive online data management and information reporting tool which enables customers to make informed management decisions regarding electricity, gas and water consumption.

- Graph Now allows users to quickly and easily visualise consumption, generation and demand metering data, comparing up to 12 meters in one graph.
- Ad hoc and scheduled report generation allows users to generate a range of expertly predesigned reports as a once off or recurring schedule (daily, weekly, monthly, quarterly, yearly).
- We have a range of advanced user options that give users managing larger portfolios of sites or customers the flexibility required to do so efficiently and easily.

ActiveDash is our online platform specifically designed to allow you to view and benchmark your energy and utility consumption. It includes the ability to view interval consumption data across multiple facilities with diverse consumption profiles. ActiveDash is compatible with all metered utilities on site, including water and gas sub-metering and near RealTime (nRT) data (where applicable).

EMP Multi Plus is an integrated software platform specifically designed to monitor and manage energy and utility consumption. This can be achieved across multiple geographically dispersed facilities with diverse consumption profiles.

EMP Multi Plus is a user friendly and flexible platform that enables users to understand and investigate complex Network, Retail and Service tariffs, providing the ability to produce shadow bills or validate electricity accounts. The ability to configure and run complex tariffs against market data allows customers to identify billing issues and calculate cost implications due to process changes.

near RealTime data (nRT) solution provides five-minute interval data is delivered directly from the electricity metering points through a secure communications channel in near real time- typically within 15 seconds after the end of the interval.

Power Quality Reports

- **Adhoc Customer Reports** a power quality report can assist in the identification of power supply issues allowing you to rectify them before extra damage is done. We currently offer a standardised voltage and current report which is compatible with over 90% of our metering fleet (including single and three phase meters). We must be nominated as your MDP to provide Power Quality Reports.
- **Network Data Initiatives** we are currently undertaking several trials with our Network partners to provide better visibility of Network power quality through ongoing voltage monitoring. The provision of ongoing Network data directly from our metering devices in the field enables Networks to gain a better understanding of energy supply and faults, and prioritisation of rectification works.

Data Provision (NEM12)

Large customers or third parties acting on a customer's behalf can request their metering data on an ad hoc or recurring basis (charges may apply). Small (residential) customers should request meter data from their retailer. We will provide interval metering data in a NEM12 format. NEM 12 file is the current AEMO format for interval data and is widely used in the electricity industry.

Ancillary metering solutions

Our ancillary metering solutions relate to hardware services and solutions we can provide or enable in addition to the physical meter.

Output pulsing & SMARTHUB modbus outputs

We can enable your electricity meter to provide output services, such as pulse outputs and MODBUS capability using our exclusive SMARTHUB technology. Pulsing outputs can be sourced directly from the metering infrastructure to provide consumption data directly to Building Management Systems. Meters can also be activated to provide register information in a MODBUS format, suitable for direct connection to Building Management Systems. Output pulsing can also be installed as part as part of both NEM and Multi-Utility Sub-Metering solutions.

Current Transformer (CT) and Voltage Transformer (VT) Testing Services

Electricity and utility markets are changing – accurate and reliable consumption data is increasingly critical to AEMO. We are available to work with our customers to develop and deploy programs in the following areas:

- NATA High Voltage CT and VT Testing
- Proven capability from 11kV to 132kV
- NATA Traceable Test Reports supplied by accredited staff
- Testing capability to either the AS or IEC Standards
- Mobile Testing Crew

High Voltage Design Review and Compliance

The deregulation of connection services to the Transmission and Distribution Networks was a part of industry reforms in 2017. This ensured that design, compliance and risk aspects of Network connections remained metered in accordance with the National Electricity Rules, Local Jurisdictional Rules and the SAA wiring rules. Any other standards and rules that are applicable are the responsibility and task of the unregulated Metering Coordinators. This cost was previously absorbed into network charges that were regulated by the AER.

We pride ourselves on making things easy for our customers and offer HV connection design consulting review services to help guide our customers through this process. These services include:

- CT & VT accuracy specification
- Design Review
- Pre & Post Commissioning
- NATA VT & CT Test Services (if required)
- Design & supply of pre-wired metering anel/enclosure (if required)
- Compliance sign-off: National Electricity Rules (NER), Local Jurisdictional Rules (LJR), SAA Wiring Rules

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