

# 5MS Metering Focus Group – Non-Market Unmetered Loads

2:00pm – 4:00pm (Melbourne Time)

Friday 29 March 2019

**WebEx**

# Agenda

- Global Settlement Rule Obligations
- Types of Non-market Unmetered Loads
- Watchman Lights
- The Creation and Assignment of NMIs in MSATS
- The Methodology for Calculating Load Profiles
- The Provision of Estimated Volumes

# Non-Market Unmetered Loads

David Ripper

# Global Settlements Non-Market Unmetered Load Obligations

- Requires AEMO to:
  - Include in its metrology procedures guidance for the inclusion of non-market unmetered load in settlement including:
    - The creation of NMIs for non-market unmetered load
    - The assignment of connection points relating to non-market unmetered load to the associated TNI or VTN
    - The provision of data on the estimated consumption of non-market unmetered load to AEMO
    - The methodology for calculating load and a load profile for non-market unmetered load
- The load profile and size to be agreed upon by the customer, DNSP, retailer and AEMO in accordance with AEMO's updated metrology procedures and unmetered load guidelines, including:
  - The methodology for calculating a load and load profile for non-market unmetered load
  - The provision of the estimated volumes of non-market unmetered load to AEMO for inclusion in settlement
- Requires the LNSP to be appointed the metering coordinator for non-market unmetered loads.

# Types of Non-market Unmetered Loads

- Examples of non-market unmetered load categories include, but are not limited to:
  - Sports ground flood lights
  - Public BBQs
  - Cable TV hubs
  - NBN cabinets
  - Public telephones
  - Public sprinklers/irrigation
  - Parking ticket machines
  - Bus shelters
  - CCTV cameras
  - Parking sensors
- What other categories need to be allowed for?
- Do we need to allow for sub-categories of these loads e.g. bus shelters with lighting, lighting and advertising or just advertising?
  - In inventory and load tables?
- Metrology for watchman lights

# Watchman Lights

- Linking of watchman lights to the customer's primary connection point
  - Reasoning
    - End use customer being financially responsible for the primary connection point PLUS the associated watchman light connection points
      - This will ensure that the Local Retailer will no longer be exposed to this cost
- Treatment in MSATS
  - Potential option is to link Watchman lights to the primary connection point via Parent/child relationship
    - This would also allow for this information to be available through NMI discovery

# The Creation and Assignment of NMIs in MSATS

- Metrology Part B - 12.1.3. Application of NMI
  - a) Metering data for an unmetered load is calculated by NMI Datastream. A NMI is assigned for each unique combination of:
    - i. FRMP
    - ii. End User
    - iii. LNSP
    - iv. TNI
    - v. DLF
  - b) An unmetered load NMI may contain different market loads or different Unmetered Device types, but they must have the same FRMP, End User, LNSP, TNI and distribution loss factor.
- Should (i) to (v) also be applicable to non-market unmetered loads?
  - What would distributors need to do to support this approach?
- Treatment of watchman lights
  - Parent/child MSATS option

# The Methodology for Calculating Load Profiles

- What approaches are currently applied to calculate load profiles?
  - PE control?
  - Constant (flat) load?
  - Profile?
  - Other?
- What approaches would likely result in a more accurate outcome in a Global Settlements environment?
- How do you believe we should consult on this item?
- The expectation is that as time goes on the methodologies will need to be reviewed to ensure the validity of their application in GS environment



# The Provision of Estimated Volumes (kWh)

- Participants are required to provide estimates regarding non-market unmetered load energy volumes
  - To allocate these volumes/loads prior to the calculation of UFE
  - Baseline for UFE analysis

# Next Steps

Blaine Miner

# Next Steps

- Workshop outcomes and actions to be circulated
- Package 2

Deliverable	Indicative date
Issues Paper published	26 April 2019
Submissions due on Issues Paper	31 May 2019
Draft Report published	1 July 2019
Submissions due on Draft Report	15 July 2019
Final Report published	26 August 2019

- **Note**
  - Some Procedures will require amendments with different effective dates
  - Metering Installation Data Storage Exemption Procedure will now be a separate procedure
- Package 3 (**Publish Only**)

Thank you for your  
attendance and participation!