Victorian Water Industry IWN 2021
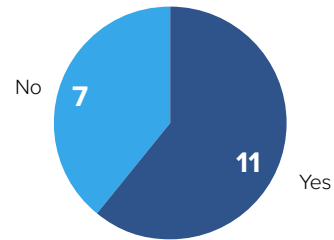
Digital metering state of play summary report

intelligent water networks *10 years*

Water corporations digital metering strategy

Does your organisation have a digital metering strategy?

No **7**

11 Yes

What kind of communication network do you have?

Other **3**

6 RF

9 NB-IoT

4 LoRaWAN
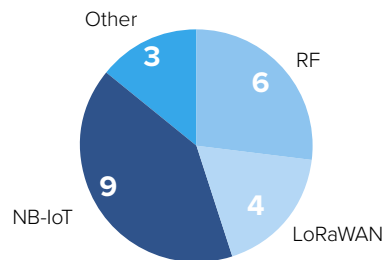
What do you want in digital metering solutions?

| Category	Value
Openness/interoperability	12
Expected life of battery and meter	15
Read/log frequency	12
Receiving/sending of data frequency	15
Data and analytics	13
Alarm incl. customer awareness/notifications	13
Network notifications (water main leaks, pressure etc)	13
Other	2
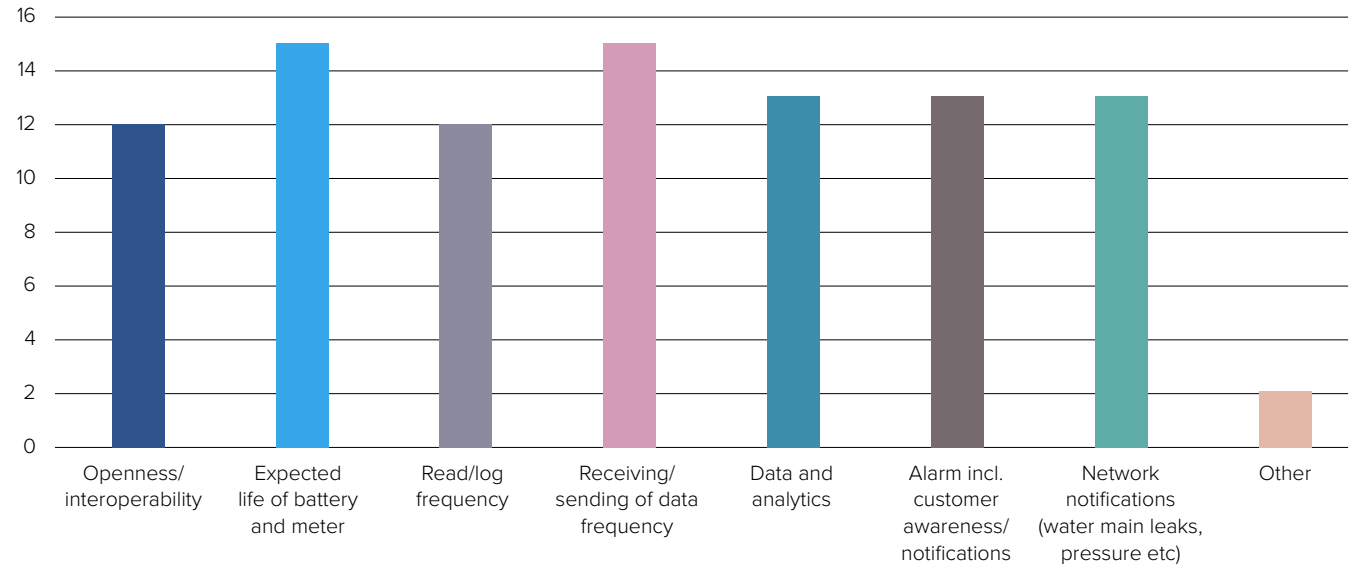
Water corporations digital metering strategy

Digital metering contacts

- Arad Technologies
- Aquiba
- Bermad Water Technologies
- BSA
- EDMI
- Huizhong
- HZ
- iota
- Itron – GenX
- Landis+Gyr
- Meshed
- Mondo
- NNNCo
- Sensus
- Siemens
- Suez
- Taggle
- Telstra
- Ventia
- Vodafone
- Water Conservation Group
- Yarra Valley Water

Victorian digital meter water deployment projection – 2021
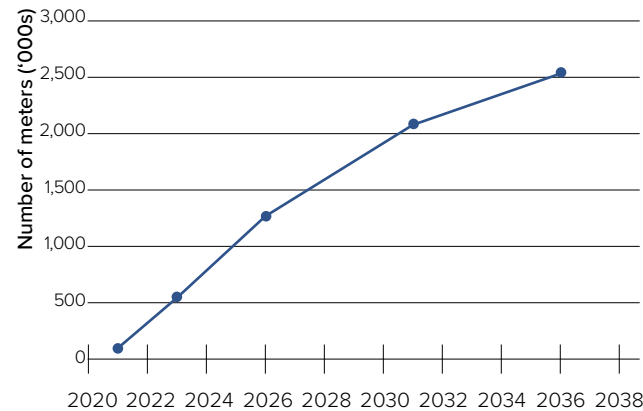
What is the desired life expectancy of your digital meter/battery?

The desired life expectancy of digital meter or battery for almost all of the water corporations range within 10-15 years.

Where do you see the digital metering going in terms of technology?

Digital metering is widely accepted by the water industry across the globe and if rightly done, the benefits (both customer and network) outweigh the initial investment. The technology is mature and in future, more water meters will be fitted with a transmitter by default.

NB-IoT is becoming the majority of meters within Australia. Even though NB-IoT has a bit of maturing to do, not in terms of actual protocol but in terms of vendor, supplier, service, support maturity. The biggest issue is that the industry has no IoT communications technology as a standard so true scalability, longevity and multi-vendor competition cannot be truly realised.

Acceptance of E-sims within the meters, and possibly larger sizes of integrated meters will be developed and will come into the market. We may also see more plug-in devices to attach mechanical meters coming into the market.