As part of the GMW Connections Project, we are replacing inaccurate and dated meters with modern meters, compliant with national metering standards.

The new meters installed to supply your property will be chosen to best suit your requirements and the site. Farm Irrigation Designers engaged by GMW Connections Project will talk with you about your water delivery requirements. The type of meters chosen will depend on several factors including:

- delivery share
- historical water use
- irrigation layout
- geography (available head)

Please note you will not be able to select your meter type as it is a GMW asset. The type of meter will be determined through a Farm Irrigation Assessment that the Farm Irrigation Designer will complete.

The three types of meters that will be used to replace Dethridge wheels and other less accurate meters are:

- fully automated
- remote read
- manually operated

Manually-Operated Meters

The majority of manual outlets are operated by turning a valve wheel or handle. You can read the display and view different screens on the meter. This is read periodically throughout the year by a GMW staff member. Manually-operated meters include electromagnetic meters.

Advantages of a modernised meter

The advantages of a modernised meter are:

- high flow rates available
- low head loss (less friction) compared with a dethridge wheel delivering an equivalent volume of water
- more accurate measurement than the dethridge wheel, and more consistent flow rates
- can be manually or automatically controlled
- instantaneous flow rate and volume can be viewed at the meter
- less moving parts that may allow flow to be obstructed and less likely to be obstructed by rubbish than a dethridge wheel
- unrestricted access along the channel bank
- can provide a link to other technologies such as soil moisture monitoring and on-farm irrigation automation.

Fully Automated Meters

These open and close without any manual operation at the site. The automated outlets can regulate irrigation flow onto farm for consistent flow rates, providing certainty for customers for irrigation time frames.

Automated outlets are operated remotely by GMW to match water orders. Automated outlets require customers to be accurate with their orders and modify the orders as needed to ensure their irrigation is completed as required. The electric motors at the site that open and close the outlet are powered by a battery and solar panel. Automated meter types include:

- Blade Meter
- Slip Meter
- Electromagnetic Meter

Remote Read Meters

The remote read meter is opened and closed by the landowner. The usage is remotely-read through a radio signal back to the GMW offices. Remote read meters include electromagnetic meters.

Meter Fees*

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*Prices shown in current 2015/16 dollars

Service Point Fees for modernised meters are proposed to increase during the Price Review 2016 period as set out in the above table.

Modernised meters are being installed as part of the GMW Connections Project and the price will apply in the first billing period for which the meters are operational.