

Pricing Guide for Delivery Price Schedule for prices that apply from 1 April 2018

Note: This is a Guide for the delivery prices charged by Marlborough Lines to energy retailers. Delivery prices include the recovery of costs for the local lines network (distribution charges), as well as the recovery of costs charged to Marlborough Lines for the use of the national grid (transmission charges).

Energy retailers may rebundle delivery charges in different ways or pass them through in the same way as they are charged to retailers by Marlborough Lines.

Residential

Price Category Codes DL, DS DSNL and DT

1. Residential consumers can choose via their energy retailer to be on a low fixed charge plan or a standard residential plan provided that:
 - their installation is not located within a "remote area" (identified on the map on Marlborough Lines web site), and/or
 - the installation does not have a installed capacity greater than 15kVA and/or three phase supply.
2. A low fixed charge plan will have a lower fixed charges \$/day and higher variable \$/kWh prices. For consumers using less than 8,000kWh per annum the total annual cost on a low fixed charge plan will be less than on a standard plan.
3. All volume charges \$/kWh are based on separately metered volumes. "All inclusive" pricing plans are not offered by Marlborough Lines (ML).
4. Controlled Loads must have relays that provide automatic ripple control available for use by the Network. Supply to meters on controlled energy, price component code 12 (standard), and 16 (low fixed charge), will generally be available for 18 hours per day.
5. The price component codes 18 (standard), and 17 (low fixed charge), are for "night only" usage. These prices are only available for consumption with a separately metered supply to a permanently wired appliance, such as a hot water cylinder or a night store heater, which is subject to load control by the Network. The supply will generally be available between 11pm and 7am.
6. A minimum load of 1.5kW is required to be connected for price component codes 12, 16, 17, and 18.

General

Price Category Codes NS, NH, NT, RT, RV, and RX

7. Controlled Loads must have relays that provide automatic ripple control available for use by the Network. Supply to meters on controlled energy, price component code 22 will generally be available for 18 hours per day.
8. The price component code 28 is for “night only” usage. This price is only available for consumption with a separately metered supply to a permanently wired appliance such as a hot water cylinder or a night store heater, which is subject to load control by the Network. The supply will generally be available between 11pm and 7am.
9. A minimum load of 1.5kW is required to be connected for price component codes 22 and 28.
10. A minimum load of 10kW is required for price component codes 20 and 30. These price component codes are closed. These prices are only available for consumption with a separately metered supply to a permanently wired appliance, such as a hot water cylinder or a night store heater, which is subject to load control by the Network. The supply will generally be available for 20 hours per day.

Large Commercial and Industrial Customers

Price Category Codes BF, BHM and BHC

11. Any connection with capacity provided in excess of 150 kVA is required to have half hourly/ ToU metering and provide half hourly data to the Network for billing.
12. For price component codes 52, 50, 61 and 60 the Day period is 7am to 11pm and the Night period 11pm to 7am.
13. The Regional Peak Demand (RPD) charge, price components WL, WM and WH, is payable each month. The chargeable quantity is reset from 1 April each year and specified in kVA. The chargeable quantity is calculated by the Network and based on the average half-hourly demand measured between the hours of 7:30am to 10am and 4:30pm to 7pm during weekdays only, and only during the months of May to September in the prior pricing year.
14. The pricing year is from 1 April to 31 March each year.
15. Where half hourly data is not available for the prior year e.g. where a consumer has connected recently, an estimate will be made by the Network based on a similar sized and type of connection. No wash up will be undertaken.
16. The Capacity charge, price components AL, AM and AH are based on the Network's assessment of capacity provided to each consumer's connection. The chargeable quantity, measured in kVA, takes into account the actual peak demands of the connection and the transformer capacity provided by the Network. In general, the chargeable quantity for the capacity charge will not be less than 60% of the capacity of a dedicated transformer supplying the consumer's connection.

17. When measuring a consumer's peak demand, for the purpose of determining the chargeable capacity quantity, the Network measures the six highest half hourly demands in each month to determine the monthly maximum consumer demand. The chargeable capacity quantity is the maximum monthly consumer demand value observed over the prior three full years rounded to the nearest 5kVA.

Irrigation

Price Category Codes PM, PK, and PH

18. There are three pricing plans:
 - PM applies for smaller irrigation connections with installed pump capacity up to 23kW.
 - PK applies for connections with installed pump capacity above 23kW. Where the Network provides capacity greater than 150kVA half hour metering is required.
 - PH was set up for a particular circumstance and is now closed.
19. Half hour metering is required for supplies with capacity provided greater than 150kVA
20. To be eligible for either the PM, PK or PH pricing plan a functioning relay that provides automatic ripple control must be installed. Supply will generally be available for a minimum of 19 hours per day subject to Network requirements.
21. The variable pricing components for irrigation supplies are 96 and 97. The price code 96 applies from 1 September to 31 May. The higher non-seasonal rate, price code 97, applies from 1 June to 31 August inclusive.
22. The fixed charges apply all year. The fixed price, expressed as a \$/connection or \$/kW, is based on the annual cost of providing supply spread over 12 months. Marlborough Lines do not allow consumers to disconnect during the off season and reconnect in the summer when irrigation is required.

Power Factor Charges

Price Category Codes PFT and PFI

23. Power factor charges may be applied to any connection where the load has a power factor of less than 0.95.
24. Where the metering does not support half hourly data and supply kWh and kVAh but the type of connection would commonly exhibit poor power factor ML either requires the equipment to be certified as having a better than 0.95 power factor or charges for low power factor on an estimated basis. This approach is used for smaller irrigation pumps.
25. The estimate, where power factor correction equipment has not been installed, is based on common performance for the type of equipment connected. For small irrigation pumps that

have not been certified to have a satisfactory power factor ML assumes the motors run at a 0.80 power factor.

26. The power factor charge for loads where half hour metering data is available is changing from 1 April 2018. The new methodology is Chargeable kVAr* price per kVAr* days in billing period; where:
 - Chargeable kVAr is the highest kVAr recorded on weekdays, including public holidays, in time periods 15-40 (7:00am to 10:00pm).
 - Chargeable kVAr is calculated as the maximum of (kVArh-kWh/3)*2 and is rounded to the nearest whole number.
27. Please contact ML directly with respect to power factor requirements for distributed generation.

Other

28. The annual discount on lines charges is not available to consumers within the Remote areas.
29. ML may charge fixed charges for the period of disconnection where an installation is reconnected within 12 months from the date of disconnection.
30. A price component code of DG applies to volumes injected into the Network from small scale distributed generation installations.
31. Energy retailers must provide both volume extracted (E) and Injected (I). A price of \$0.05/kWh has applied since 1 April 2014 to **Residential** connections and will be phased in for **General** connections.