



New South Wales Energy Prices 2023

An update report on the New South Wales
Tariff-Tracking Project



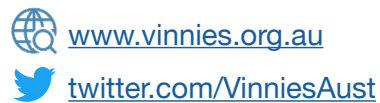
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New South Wales Energy Prices 2023
An update report on the NSW Tariff-Tracking Project

May Mauseth Johnston, August 2023
Alviss Consulting Pty Ltd



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Acknowledgements

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The views expressed in this document do not necessarily reflect the views of Energy Consumers Australia.

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The NSW Tariff-Tracking Project: purpose and outputs

To date, this project has tracked electricity and gas tariffs in NSW from July 2009 to July 2023, and developed a spreadsheet-based tool that allows consumer advocates to build on the initial analysis and continue to track changes as they occur.¹ The first report for the NSW Tariff-Tracking project was published in August 2011 and this is the eleventh up-date report focusing on price changes that have occurred over the last year. A more recent addition to the Tariff-Tracking project is market offers available to new solar customers. The workbook allows users to calculate annual bills based on retailers' rates, feed in tariffs offered and additional discounts. Again, the user can enter consumption level as well as choosing to run the bill calculation based on 1.5 kW or 3 kW solar systems.

We have developed five workbooks that allow the user to enter consumption levels and analyse household bills for NSW gas and electricity offers.

Workbook 1: Regulated electricity offers July 2008 – July 2023

Workbook 2: Regulated gas offers July 2009 – July 2023

Workbook 3: Electricity market offers July 2011 – July 2023²

Workbook 4: Gas market offers July 2011 – July 2023

Workbook 5: Solar market offers July 2016 – July 2023

The jurisdictional update reports will be followed by a NEM comparison report that discusses market issues and customer impacts in more detail as well as making recommendations.

All workbooks and reports are available at: www.vinnies.org.au/energy

1. The regulated electricity offers workbook also contains the 2008 rates
2. All market offers are published offers and do not include special offers that retailers market through door-knocking campaigns or brokers. We use the retailers' websites to collect market offer for the Tariff-Tracking tool. If the retailer has more than one market offer we use the offer with the best rates/discounts that do not require direct debit arrangements.

Key findings

In terms of general trends, the NSW tariff analysis found that:

- ▲ The introduction of the DMO resulted in lower standing offer prices until July 2022. Now, however, the DMO price is higher than the incumbent retailers' standing offers prior to the DMO taking effect in 2019 in all three network areas. **The DMO price that took effect in July 2023 is significantly higher compared to last year (up by around 21%). See charts 1 and 2 in section 1 below.**³
- ▲ **The maximum price spread (the difference between the best and the worst DMO) is highest in Essential at \$1,075. In Endeavour the price spread is \$800 and in Ausgrid it is \$875.**⁴ See chart 5 in section 1 below.
- ▲ **Gas standing offer prices increased by \$100 per annum (9%) in Sydney (AGL/Jemena) post July 2023. The annual bill is now around \$1,200 per annum for households using 24,000 MJ.**⁵ In the gas zones where Origin is the incumbent retailer, standing offer prices have increased by between 5 to 9%. In ActewAGL's gas zones, standing offer customers have experienced price increases of 10 and 13%.⁶ See table 3 in section 1.
- ▲ **Households with typical electricity consumption (7,200kWh) can save \$785 - \$950 per annum (depending on their network area) if switching from the incumbent retailer's standing offer to the best market offer.**⁷ This saving is significantly higher than last year when the maximum price-spread was \$275 - \$420. See section 2.1.
- ▲ The average electricity market offer (including guaranteed and pay on time discounts) produces an annual bill of **\$3,285 in the Essential Energy network, \$2,730 in Ausgrid and \$2,805 in Endeavour.**⁸ See section 2.1.
- ▲ In July 2023, **the average electricity market offer** for households consuming 7,200 kWh per annum **increased by 10% in Endeavour, 9% in Essential and by 8% in Ausgrid.**⁹ See section 2.1.
- ▲ The difference between electricity market offers continues to be significant. **The difference between the best and the worst market offer ranges \$790 (in Endeavour's area) to \$1,030 (in Ausgrid's area) for customers with typical consumption levels.**¹⁰ See section 2.1.
- ▲ **Typical consumption gas customers in Jemena's Sydney price zone can potentially save \$185 on their annual gas bill (including pay on time discounts) by switching from AGL's standard offer to the best market offer.**¹¹ See section 2.2.
- ▲ In July 2023, **the average gas market offer** for households consuming 24,000MJ per annum **increased by 11% in Sydney/Jemena gas zone.**¹² See section 2.2.
- ▲ Compared to electricity offers, **the difference between the best and the worst gas market offers is quite small. The difference between the best and the worst market offers is \$305 per annum.** See section 2.2.

3. Based on the incumbent retailers' standing offers as of July 2018 and the DMO for each network area. This bill comparison is based on the consumption levels AER uses to determine the DMO price.

4. Based on a comparison of all DMO offers (single rate) for households consuming 7,200 kWh per annum.

5. Based on households consuming 24,000MJ per annum on AGL's standing offer.

6. These bill calculations are based on the incumbent retailers' published standard offer as of July 2022 and July 2023.

7. Based on the incumbent retailer's standing offer (single rate) and the best of the published market offers (including additional discounts and/or pay on time discounts).

8. Based on the average market offer (all retailers) for each network area, single rate and inclusive of pay on time discounts.

9. Ibid. Post July 2023 offers compared to post July 2022 offers.

10. Households using 7,200kWh per annum (single rate) and all market offer bills include additional discounts and/or pay on time discounts.

11. Based on AGL's standing offer and the best of the published market offers (including pay on time discounts).

12. Post July 2023 offers compared to post July 2022 offers.

- ▲ **Most electricity retailers increased their market offers between July 2022 and July 2023.**¹³ There are, however, significant differences in the size of the individual retailers' price changes. GloBird has decreased their offers (after significant increases a year ago) while Sumo Power's offers have increased the most. Red Energy is the only retailer that has not made substantial changes to its market offers. **See section 3.**
- ▲ **All gas retailers, except GloBird, increased their market offers between July 2022 and July 2023.**¹⁴ Simply Energy is the retailer with the most modest increase. It should be noted, however, that GloBird and Simply Energy were the two retailers with the most significant price increases last year (July 2022). In July 2023, Energy Australia, Sumo Power and Kogan Energy have introduced the greatest price increases (up by around \$200 or 21%). **See section 3.**
- ▲ **As of July 2023, the electricity network charges increased in all network areas.** Network charges as proportion of total bill continued to decrease in all networks in July 2023 as the increases to retail bills were greater. **The network proportion of bills is currently 25% in Endeavour, 26% in Ausgrid 35% in Essential.** **See section 4.1.**
- ▲ **For gas, the distribution charges increased in July 2023.**¹⁵ Both distribution charges and the retail bill increased, and the distribution charge proportion of gas retail bills is currently 23% (up from 22% last year). **See section 4.2.**
- ▲ **The average annual bill for new solar customers (using 7,200 kWh/annum) with 3kW systems installed is around \$935 to \$1,070 less compared to non-solar customers.** **See section 5.**
- ▲ **The average Feed-in tariff (FIT) has been declining in recent years and the average FIT rate is currently 8.2 c/kWh** (slightly down from 8.6 c/kWh in July 2022). Furthermore, more retailers (Red Energy, Energy Locals, AGL, Origin Energy, Energy Australia and GloBird) are offering a relatively high FIT rate for a set amount of kWh exported each day and a much lower FIT rate for any export above the threshold. **See section 5.**
- ▲ The analysis of solar offers in the Ausgrid network shows that customers with a 3kW system installed may save \$605 per annum if they switched from the worst to the best market offer.¹⁶ **See section 5.**
- ▲ Dual fuel households in the Goulburn, Boorowa, Yass and Young areas have received the greatest increase to energy costs as annual gas bills have increased by around \$135 in the Jemena Country/ActewAGL gas zone in addition to a \$640 increase to electricity bills in the Essential Energy network. **See section 6.**

13. Note that this analysis only includes retailers that had published market offers in July 2022 as well as July 2023.

14. Note that this analysis only includes retailers that had published market offers in July 2022 as well as July 2023.

15. Based on the Jemena gas zone in greater Sydney.

16. We note that these systems are small compared to the size of the typical systems that are currently being installed. However, as a key objective of the Tariff-Tracker is to compare developments over time, we continue to base the analysis on 3 kW and 1.5 kW systems.

1. Energy price changes (standing offers)

On 1 July 2019, the Australian Energy Regulator’s (AER) initial Default Market Offer (DMO) took effect in NSW. The DMO replaced the previously retailer-set standing offers. The AER’s DMO is expressed as an annual bill for a set consumption level and retailers are still able to “translate the annual amount into different tariff structures”.¹⁷ The Regulations stipulate that retailers must structure their prices to not exceed the annual DMO price for that consumption level.¹⁸ In both July 2020 and July 2021, the price of the DMO decreased while it increased significantly in July 2022 and July 2023.

The DMO prices for single rate and controlled load tariffs in NSW are listed in Table 1 below.¹⁹

TABLE 1 | Residential DMO prices in NSW for 2023-24 (including GST)

| | Ausgrid | Endeavour Energy | Essential Energy |
|-------------------------|-----------------|------------------|------------------|
| SINGLE/FLAT RATE | | | |
| Annual bill | \$1,827 | \$2,228 | \$2,527 |
| Consumption level* | 3,900 kWh/annum | 4,900 kWh/annum | 4,600 kWh/annum |
| CONTROLLED LOAD^ | | | |
| Annual bill | \$2,562 | \$2,977 | \$2,977 |
| Consumption level* | 6,800 kWh/annum | 7,400 kWh/annum | 6,600 kWh/annum |

[^]Approximately 30% of the annual consumption is allocated to the controlled load tariff.

*Rounded to nearest 100 kWh

The introduction of the DMO resulted in lower standing offer prices until July 2022. Now, however, the DMO price is higher than the incumbent retailers’ standing offers prior to the DMO taking effect in 2019 in all three network areas. Charts 1 and 2 below show changes to annual bills from July 2018 to July 2023 for households on the incumbent retailers standing offers (single rate and controlled load) in the three network areas. These bill calculations are based on the consumption levels used by the AER to set the DMO (see table 1 above).

17. AER, Default Market Offer Prices 2020-21, Final Determination, April 2020, 9

18. Ibid., 9

19. AER, Default Market Offer Prices 2023-24, Final Determination, May 2023, 6.

CHART 1 | Changes to the annual electricity bill from July 2018 to July 2023, incumbent retailers' standing offer in July 2018 and AER's DMO in July 2019, 2020, 2021, 2022 and 2023. Single rate, incl. GST and based on 3,900kWh per annum in Ausgrid, 4,900kWh in Endeavour and 4,600kWh in Essential.

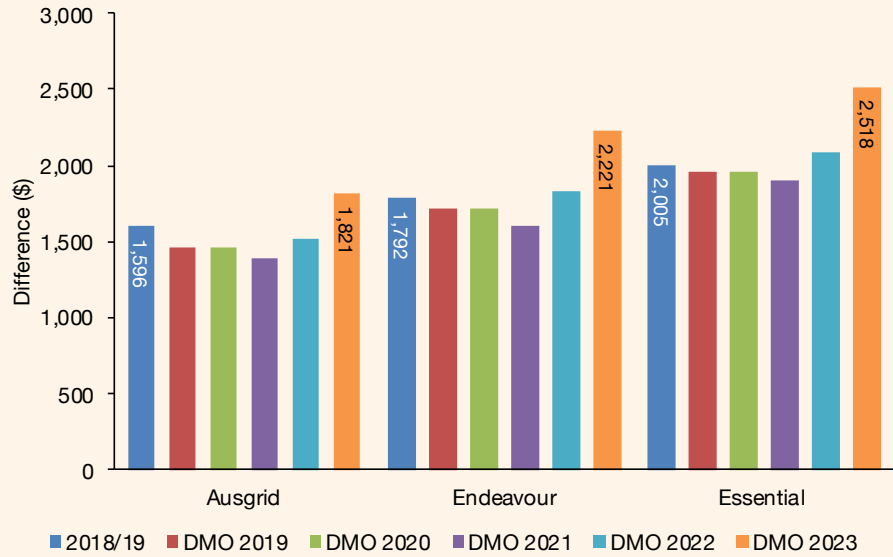
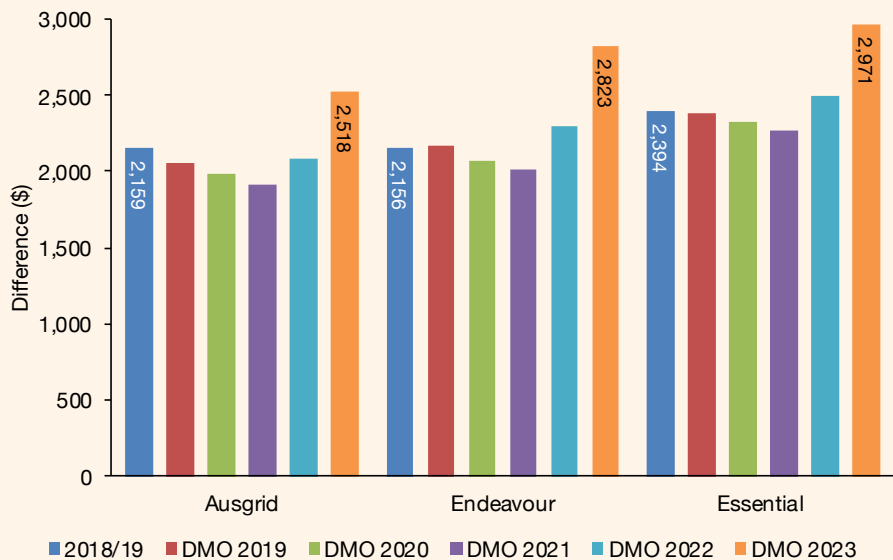


CHART 2 | Changes to the annual electricity bill from July 2018 to July 2023, incumbent retailers' standing offer in July 2018 and AER's DMO in July 2019, 2020, 2021, 2022 and 2023. Controlled load, incl. GST and based on 6,800kWh per annum in Ausgrid, 7,400kWh in Endeavour and 6,600kWh in Essential.



As the Tariff-Tracking project aims to monitor and assess changes to energy prices over time, the remaining analysis presented in this report will be based on the consumption levels previous Tariff-Tracking reports have used for NSW. That is 7,200 kWh per annum for single rate customers and 8,000 kWh per annum for households with controlled load.²⁰

Chart 3 shows changes to the host retailers' annual bills from July 2018 to July 2023 for average consumption households (single rate) in the three network areas. It shows that compared to last year (July 2022), Energy Australia's annual bill in the Ausgrid network increased by \$565 (23%), Origin's annual bills in the Endeavour network increased by \$565 (22%) and Origin's annual bills in the Essential network increased by almost \$640 (22%).

20. These calculations are based on changes to the incumbent retailers' standing offer for single rate electricity customers using 7,200kWh per annum, changes to the incumbent retailers' standing offer for controlled load electricity customers (typically all-electric households) using 8,000kWh per annum (thereof 30% off-peak) and changes to the regulated offer for gas customers using 24,000MJ per annum.

CHART 3 | Changes to the annual electricity bill from July 2018 to July 2023, incumbent retailers' standing offer incl GST based on 7,200kWh per annum for single rate

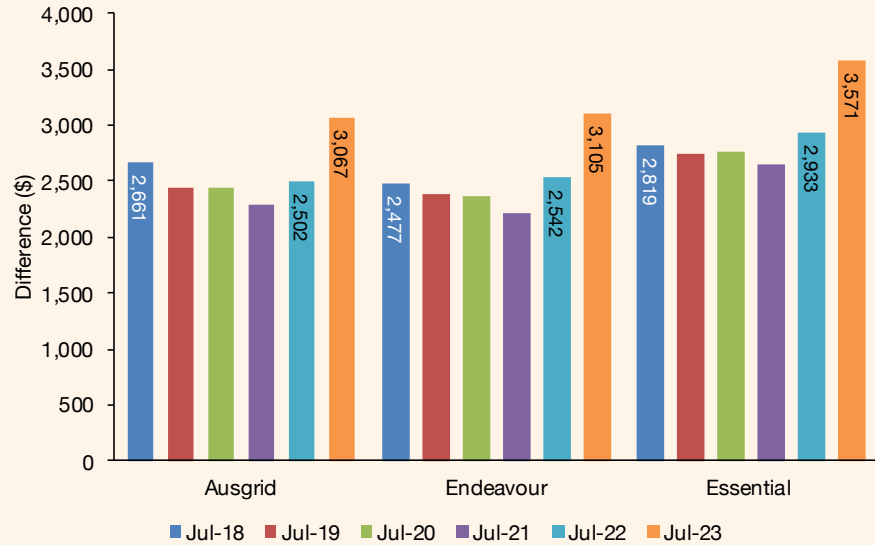


Chart 4 shows changes to the host retailers' annual bills from July 2018 to July 2023 for average consumption households with controlled load. It shows that compared to last year (July 2022), Energy Australia's annual bill in the Ausgrid network increased by approximately \$560, Origin's annual bills in the Endeavour network increased by around \$315 and Origin's annual bills in the Essential network increased by just under \$570.

CHART 4 | Changes to the annual electricity bill from July 2018 to July 2023, incumbent retailers' standing offer incl GST based on 8,000kWh per annum, thereof 30% controlled load

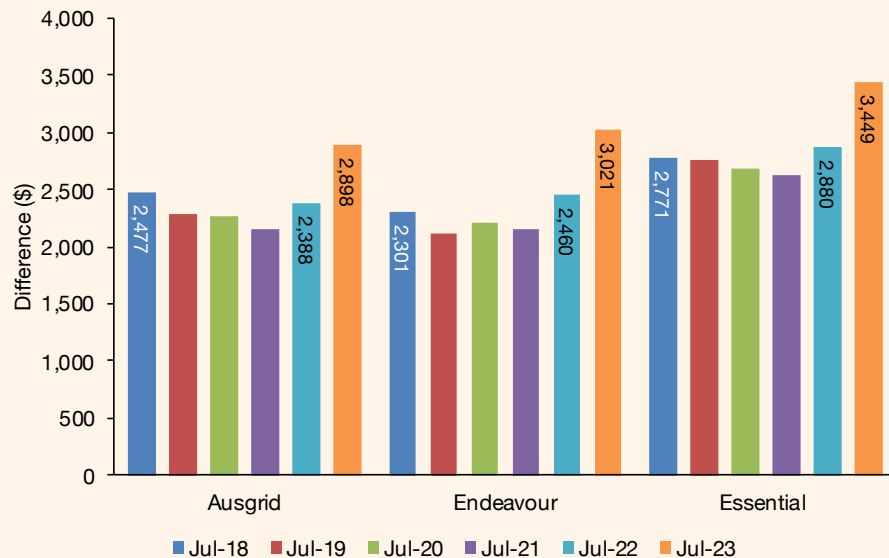
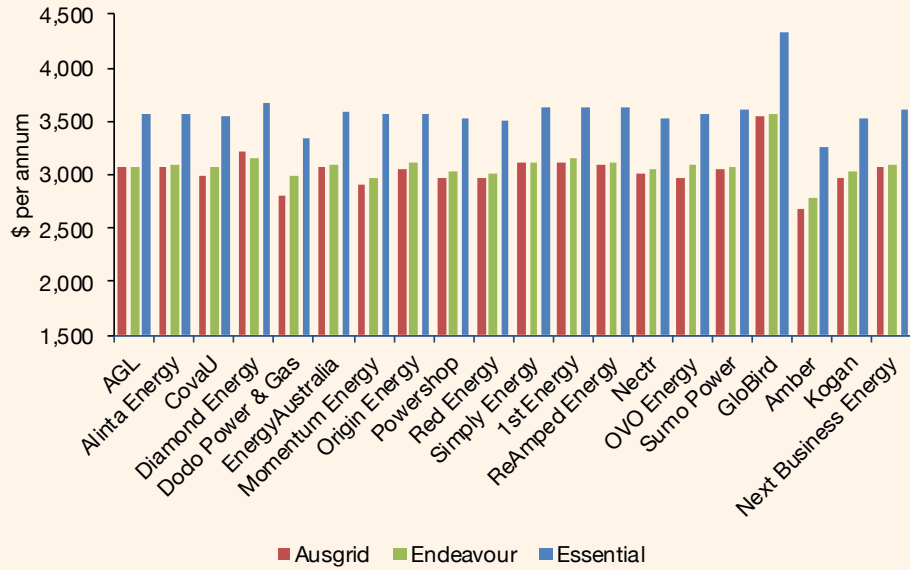


Chart 5 shows estimated annual bills for standing offer/DMO customers (single rate, 7,200kWh/annum) in each of the three network areas. The average standing offer (across all retailers) is highest in Essential's area (\$3,590) while Endeavour and Ausgrid's average standing offer are approximately \$3,085 and \$3,040 respectively. The maximum price spread (the difference between the best and the worst offer) is highest in Essential at \$1,075. In Endeavour the price spread is \$800 and in Ausgrid it is \$875.

CHART 5 | Electricity standing offers as annual bills, July 2023, based on 7,200kWh per annum for single rate, incl GST.



The three standard gas retailers are AGL, ActewAGL and Origin Energy. Jemena’s Sydney zone (AGL) is the largest in terms of customer numbers. Origin is the incumbent retailer in seven pricing zones while ActewAGL is in three.

TABLE 2 | Gas supply areas in NSW

| NSW Gas Zones and incumbent retailers | |
|---------------------------------------|--|
| Jemena Sydney (AGL) | Sydney, Newcastle, Wollongong, Blue Mountains |
| Jemena Regional (ActewAGL) | Boroowa, Goulburn, Yass and Young |
| Envestra (Origin) | Cooma and Bombala |
| | Temora*, Holbrook, Henty, Culcairn and Walla Walla |
| | Tumut and Gundagai |
| | Wagga Wagga and Uranquity |
| | Albury, Moama and Jindera |
| | Murray Valley Towns |
| Central ranges (Origin) | Tamworth |
| ActewAGL (ActewAGL) | Queanbeyan and Bundgendore |
| | Shoalhaven |

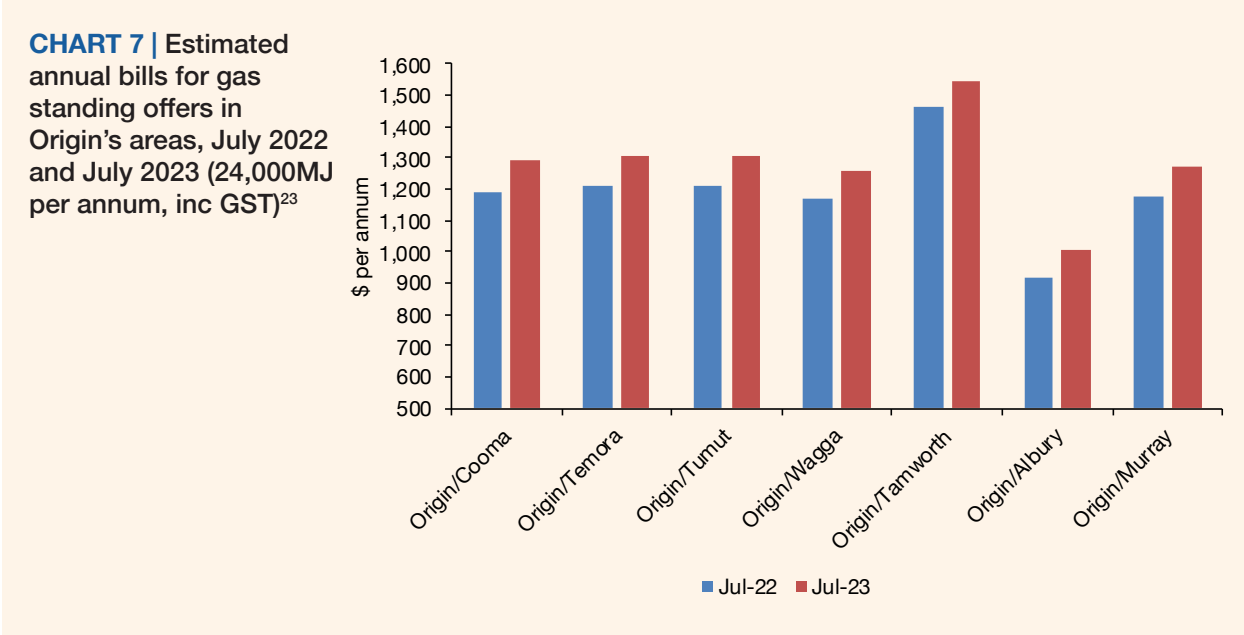
* Temora has been under the same pricing zone as Holbrook, Henty etc. since July 2013

The difference between winter and summer consumption will vary significantly from household to household (depending primarily upon usage of gas space heating). The charts below do not adjust for increased winter consumption but assume consistent consumption levels throughout the year. Because of the seasonality of gas consumption and gas tariffs the annual bill calculations presented in this report are indicative only, and their primary purpose is to track changes over time and analyse differences between gas zones.

Gas prices increased by just over \$100 per annum (9%) in Sydney (AGL/Jemena) post July 2023. The annual bill is now around \$1,200 per annum for households using 24,000 MJ.²¹ In the gas zones where Origin is the incumbent retailer, standing offer prices have increased by between 5 to 9%. In ActewAGL’s gas zones, standing offer customers have experienced price increases of between 10 and 13%.²²



Charts 7 and 8 below show annual gas bills for the regional gas zones based on the incumbent retailer’s standing offer as of July 2022 and July 2023.



21. Based on households consuming 24,000MJ per annum on AGL’s standing offer.
 22. These bill calculations are based on the incumbent retailers’ published standing offer as of July 2022 and July 2023.
 23. Note: The Cooma zone includes Bombala. The Henty zone includes Holbrook, Culcairn, Temora and Walla Walla. The Tumut zone includes Gundagai. The Wagga Wagga zone includes Uranquity. The Albury zone includes Moama and Jindera. The Murray Valley zone covers Murray Valley towns.

CHART 8 | Estimated annual bills for gas standing offers in ActewAGL's areas, July 2022 and July 2023 (24,000MJ per annum, inc GST)²⁴

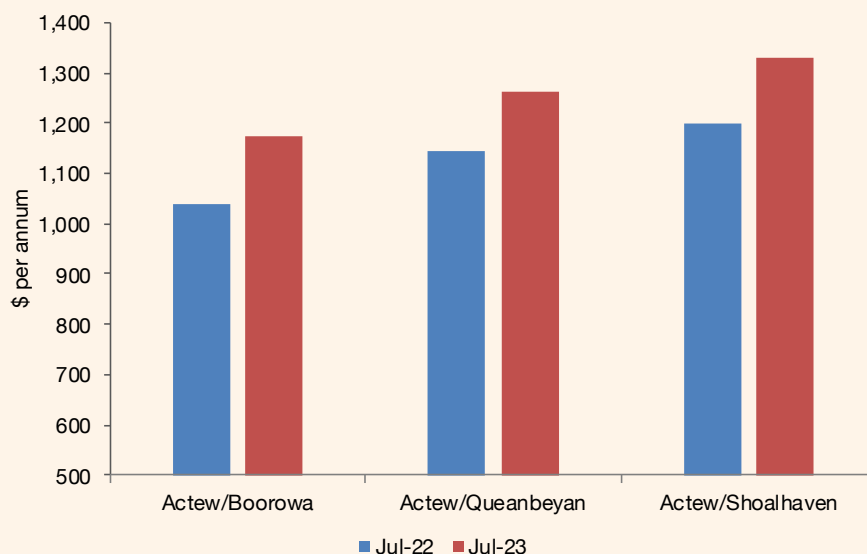


Table 3 below summarises the price trends for NSW gas offers. For more detailed information about the areas and differences in energy price changes see section 5.

TABLE 3 | Changes to gas prices by area July 2022 – July 2023²⁵

| Area | Changes to annual bill since July 2022 | Percentage |
|---|--|------------|
| Sydney, Newcastle, Wollongong, Blue Mountains (AGL) | \$100 | 9% |
| Cooma and Bombala (Origin) | \$100 | 8% |
| Temora, Holbrook, Henty, Culcairn and Walla (Origin) | \$95 | 8% |
| Tumut and Gundagai (Origin) | \$95 | 8% |
| Wagga Wagga and Uranquity (Origin) | \$90 | 8% |
| Tamworth (Origin) | \$80 | 5% |
| Boroowa, Goulburn, Yass and Young (ActewAGL) | \$135 | 13% |
| Queanbeyan and Bundgendore (ActewAGL) | \$120 | 10% |
| Shoalhaven (ActewAGL) | \$130 | 11% |
| Albury, Moama and Jindera (Origin) | \$85 | 9% |
| Murray Valley Towns (Origin) | \$90 | 8% |

24. Note: The Boorowa zone includes Goulbourn, Yass and Young. The Queanbeyan zone includes Bungendore.

25 Based on standing offer gas rates for customers using 24,000MJ per annum.

2. Market offers July 2023

2.1 Electricity market offers July 2023

- ▲ The average electricity market offer (including guaranteed and pay on time discounts) produces an annual bill of \$3,285 in the Essential Energy network, \$2,730 in Ausgrid and \$2,805 in Endeavour.²⁶
- ▲ In July 2023, the average market offer for households consuming 7,200 kWh per annum increased by 10% in Endeavour, 9% in Essential and by 8% in Ausgrid.²⁷
- ▲ Typical consumption households (7,200kWh) can save \$785 - \$950 per annum (depending on their network area) if switching from the incumbent retailer's standing offer to the best market offer.²⁸ The maximum saving is greater compared to last year when it was \$275 - \$420.
- ▲ The difference between the best and the worst market offer ranges \$790 (in Endeavour's area) to \$1,030 (in Ausgrid's area) for customers with typical consumption levels.²⁹ Chart 9 below shows the retail market offer price-spread within each of the three network areas. This difference is lower compared to last year when it was \$1,900 - \$1,980.

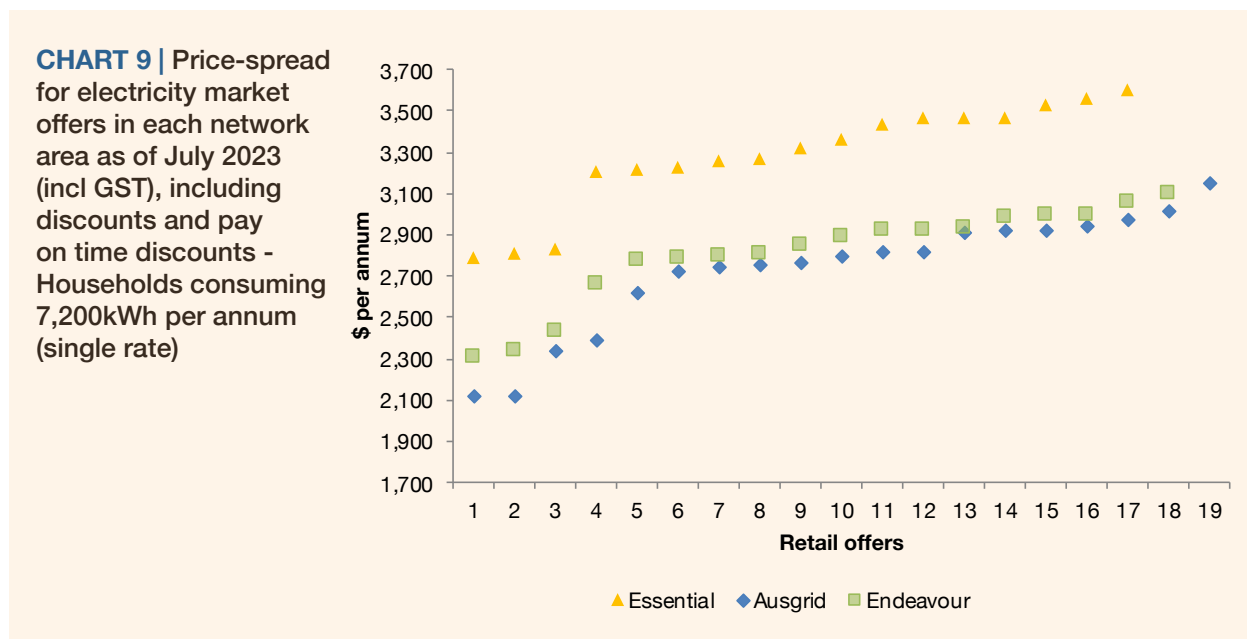


Table 4 below shows additional discounts applicable to the electricity retailers' published market offer rates. Table 4 also shows other contract terms and features, such as late payment fees, associated with these market offers. Some of the retailers have multiple market offers and may offer higher (or lower) discounts than those listed here. However, if the discounts are higher they are tied to other conditions such as payment by direct debit.

One retailer (Energy Locals) currently has an offer that includes a membership fee. When offers include a membership fee, we have added this amount to the fixed supply charge in the analysis.

26. Based on the average market offer (all retailers) for each network area, single rate and inclusive of pay on time discounts.

27. Ibid. Post July 2023 offers compared to post July 2023 offers. Note the 2022 average are made up of fewer retailers than the 2023 average.

28. Based on the incumbent retailer's standing offer (single rate) and the best of the published market offers (including additional discounts and/or pay on time discounts).

29. Households using 7,200kWh per annum (single rate) and all market offer bills include additional discounts and/or pay on time discounts.

TABLE 4 | Published electricity market offers as of July 2023: Key additional features and contract conditions

| Retailer | Name | Effective from | Guaranteed discount | Pay on time discount | Late payment fee | Shortened billing cycle [^] | Early termination fee |
|------------------|-----------------------------|----------------|---------------------|----------------------|------------------|--------------------------------------|-----------------------|
| Energy Locals | Online Member | 1/07/23 | no | no | \$16 | no | no |
| AGL | Value Saver | 5/07/23 | no | no | \$12 | no | no |
| Alinta Energy | Home Deal | 1/07/23 | no | no | no | yes | no |
| Diamond Energy | Renewable Saver | 1/07/23 | no | 2% off bill | \$15 | no | no |
| Dodo Power & Gas | Market offer | 8/06/23 | no | no | no | no | no |
| EnergyAustralia | Flexi Plan | 1/07/23 | 10% off bill | no | \$12 | no | no |
| Origin Energy | Go Variable | 1/07/23 | no | no | \$12 | no | no |
| Powershop | Carbon Neutral | 1/07/23 | no | no | no | yes | no |
| Red Energy | Living Energy Saver | 1/07/23 | no | no | no | no | no |
| Simply Energy* | Blue Perks | 5/07/23 | 10% off bill | no | \$12 | no | no |
| Sumo Power | Assure | 13/07/23 | no | no | no | yes | no |
| Globird Energy | GloSave | 13/07/23 | no | 2% off bill | no | no | no |
| Kogan Energy** | Free Kogan First membership | 1/07/23 | no | no | no | yes | no |
| 1st Energy | 1st Saver | 1/07/23 | no | 5% off bill | no | yes | no |
| CovaU | Freedom | 24/7/23 | 5% off usage | no | no | no | no |
| Momentum Energy | Suit Yourself | 1/07/23 | no | no | no | no | no |
| Nectr | 100% Clean | 1/07/23 | no | no | no | yes | no |
| OVO | The One Plan | 3/07/23 | no | no | no | yes | no |
| Tango Energy | Home Select | 1/07/23 | no | no | no | no | no |

[^] If yes, the offer has a mandatory shortened billing cycle (monthly billing)

* Must become a NRMA member (12 months free membership included)

** Must be or become a Kogan First member

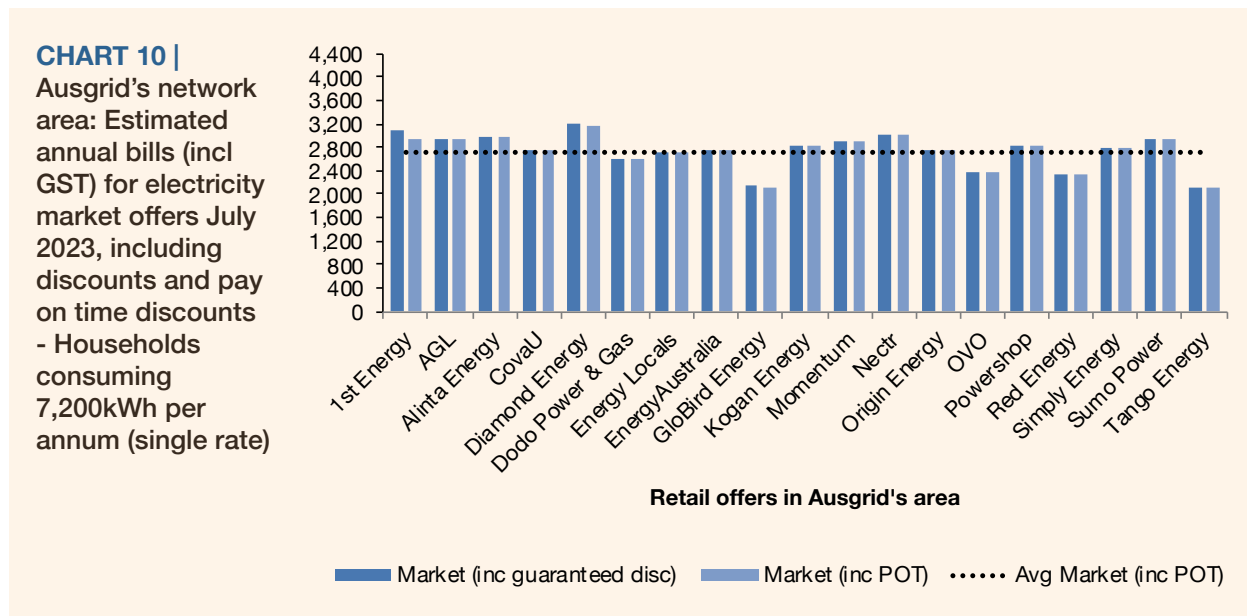
2.1.1 Potential savings - Differences between electricity offers

Typical consumption households (7,200kWh per annum) on the incumbent retailer’s standing offer can save \$785 - \$950 per annum if switching to the best published market offer.³⁰ Importantly, it is the difference between individual retailers’ offers that can produce significant savings if switching from a standing offer to a market offer. Customers who choose to stay with the same retailer, but changes to a market offer, are unlikely to experience annual savings as large as these.

Charts 10-12 below show annual retail bills for typical consumption (7,200kWh per annum, single rate) for each of the three network areas. The columns to the left represent the market offer bills including guaranteed discounts (but not pay on time discounts) while the columns to the right are market offer bills including pay on time discounts.³¹ The dotted lines show the average market offer (including pay on time discounts) in each network area.

Ausgrid

In Ausgrid’s area, average consumption households on Energy Australia’s standing offer can save \$950 per annum if switching to the best published market offer. GloBird is the retailer that currently offers the best market offer rates in this area.






















The difference between the best and the worst market offer is somewhat greater. GloBird’s offer is approximately \$1,030 less than Diamond Energy’s market offer post discounts (and pay on time discounts) for households with this consumption level. Figure 1 below shows estimated annual bills for market offers post discounts in Ausgrid’s network area.³²

30. Based on market offer bills that include discounts and pay on time discounts.

31. These market offers were collected between 20 and 24 July 2023 and it should be noted that retailers may change their rates at any time. Discounts (excluding GST) have been applied to consumption and/or total bill as per offers listed in table 3. Note that Amber Electric has been excluded from this analysis as its published market offer is based on a maximum price for usage instead of the wholesale market rates actually charged.

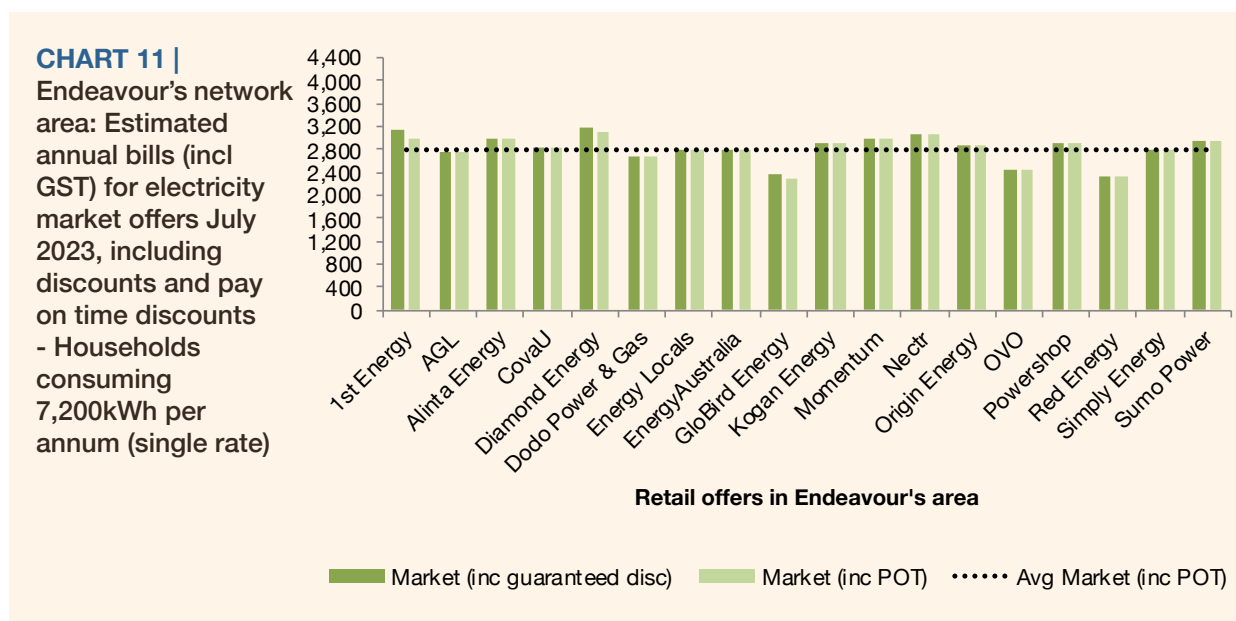
32. These market offers were collected between 20 and 24 July 2023 and it should be noted that retailers may change their rates at any time. Additional discounts for customers choosing to pay by direct debit are not included in these bill calculations.

FIGURE 1 | Ausgrid’s network area: Lowest to highest annual bills (incl GST) for market offers July 2023, including discounts and pay on time discounts - Households consuming 7,200kWh per annum (single rate)

| | | | | | | | | |
|---|------------------|-------|---|-----------------|-------|---|----------------|-------|
|  | GloBird Energy | 2,118 |  | Origin Energy | 2,754 |  | Sumo Power | 2,923 |
|  | Tango Energy | 2,122 |  | EnergyAustralia | 2,760 |  | 1st Energy | 2,937 |
|  | Red Energy | 2,334 |  | Simply Energy | 2,799 |  | Alinta Energy | 2,975 |
|  | OVO | 2,391 |  | Kogan Energy | 2,821 |  | Nectr | 3,010 |
|  | Dodo Power & Gas | 2,615 |  | Powershop | 2,821 |  | Diamond Energy | 3,150 |
|  | Energy Locals | 2,718 |  | Momentum | 2,916 | | | |
|  | CovaU | 2,747 |  | AGL | 2,921 | | | |

Endeavour



















In Endeavour’s network area, average consumption households on Origin’s standing offer can save approximately \$795 per annum if switching to the best published market offer. GloBird is the retailer with the best market offer rates.



The difference between the best and the worst market offer is similar. GloBird’s offer is approximately \$790 less than Diamond Energy’s market offer post discounts (and pay on time discounts) for households with this consumption level. Figure 2 below shows estimated annual bills for market offers post discounts in Endeavour’s network.³³

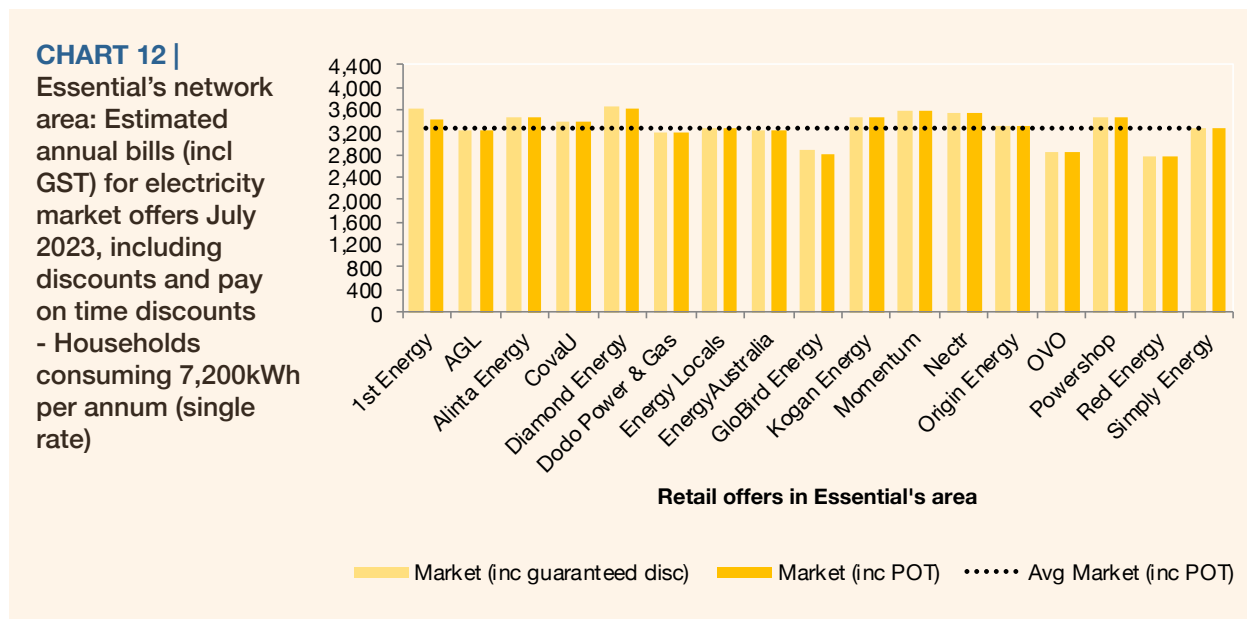
33. These market offers were collected between 20 and 24 July 2023 and it should be noted that retailers may change their rates at any time. Additional discounts for customers choosing to pay by direct debit are not included in these bill calculations.

FIGURE 2 | Endeavour’s network area: Lowest to highest annual bills (incl GST) for market offers July 2023, including discounts and pay on time discounts - Households consuming 7,200kWh per annum (single rate)

| | | | | | |
|--|-------|---|-------|--|-------|
|  GloBird Energy | 2,309 |  Energy Locals | 2,794 |  Sumo Power | 2,932 |
|  Red Energy | 2,339 |  Simply Energy | 2,807 |  Momentum | 2,979 |
|  OVO | 2,437 |  CovaU | 2,848 |  1st Energy | 2,990 |
|  Dodo Power & Gas | 2,663 |  Origin Energy | 2,887 |  Alinta Energy | 2,997 |
|  AGL | 2,771 |  Kogan Energy | 2,918 |  Nectr | 3,060 |
|  EnergyAustralia | 2,789 |  Powershop | 2,918 |  Diamond Energy | 3,097 |

Essential


















In Essential’s network area, average consumption households on Origin’s standing offer can save approximately \$785 per annum if switching to the best published market offer. Red Energy is the retailer with the best market offer rates in this network area.



As in other network areas, the difference between the best and the worst market offer is significant. Red Energy’s offer is approximately \$815 less per annum than Diamond Energy’s market offer post discounts (and pay on time discounts) for households with this consumption level. Figure 3 below shows estimated annual bills for market offers post discounts in Essential’s network area.³⁴

34. These market offers were collected between 20 and 24 July 2023 and it should be noted that retailers may change their rates at any time. Additional discounts for customers choosing to pay by direct debit are not included in these bill calculations.

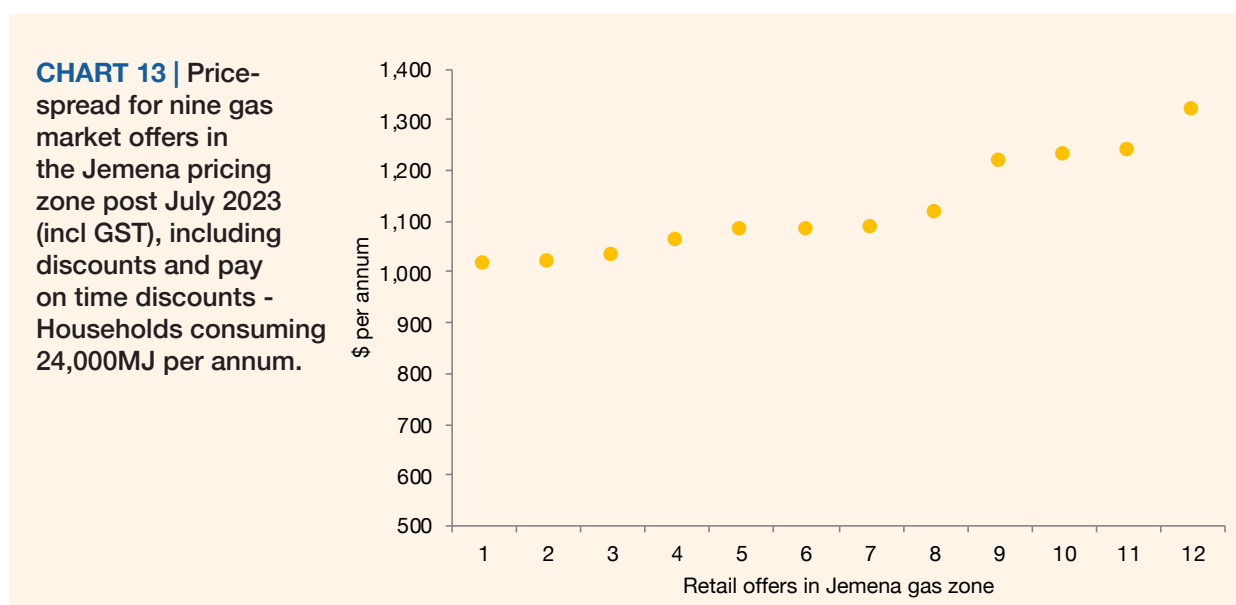
FIGURE 3 | Essential’s network area: Lowest to highest annual bills (incl GST) for market offers July 2023, including discounts and pay on time discounts - Households consuming 7,200kWh per annum (single rate)

| | | | | | |
|--|-------|---|-------|--|-------|
|  Red Energy | 2,786 |  Simply Energy | 3,263 |  Kogan Energy | 3,468 |
|  GloBird Energy | 2,816 |  EnergyLocals | 3,269 |  Powershop | 3,468 |
|  OVO | 2,833 |  Origin Energy | 3,322 |  Nectr | 3,532 |
|  Dodo Power & Gas | 3,204 |  CovaU | 3,367 |  Momentum | 3,561 |
|  AGL | 3,221 |  1st Energy | 3,435 |  Diamond Energy | 3,599 |
|  EnergyAustralia | 3,231 |  Alinta Energy | 3,466 | | |

2.2 Gas market offers July 2023

There is a number of gas market offers available in NSW but the Sydney area (Jemena/AGL gas zone) is the only area that has more than three offers. As such, this analysis only comprises market offers in the greater Sydney area.

- ▲ The average gas market offer (including guaranteed and pay on time discounts) produces an annual bill of \$1,125 in the greater Sydney area.³⁵
- ▲ In July 2023, the average market offer for households consuming 24,000 MJ per annum increased by 11%.³⁶
- ▲ The difference between the best and the worst gas market offer is almost \$305 per annum. See chart 13 below. This is less than last year when the difference was \$430.
- ▲ Typical consumption households (24,000 MJ) can save \$185 per annum if switching from AGL’s standing offer to the best market offer.³⁷ See chart 15 below. This is a decrease from last year (July 2022), when the maximum saving was \$205.

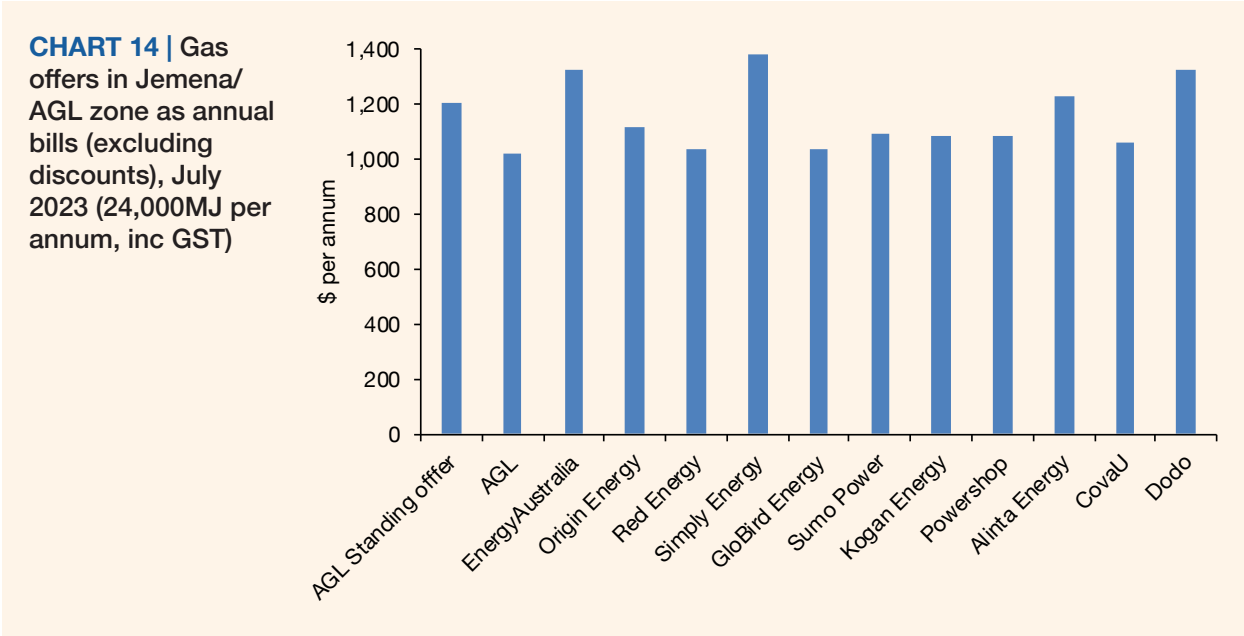


35. Based on the average market offer (all retailers) for each network area, single rate and inclusive of pay on time discounts.

36. Ibid. Post July 2023 offers compared to post July 2023 offers. Note the 2022 average are made up of fewer retailers than the 2023 average.

37. Based on the regulated offer and the best of the published market offers (including pay on time discounts).

Chart 14 below shows that four of the retailers have rates (prior to discounts) that are higher than AGL's standing offer rates.³⁸



The calculations for the market offers in chart 14 include rates only (cost per MJ and fixed charges) and do not include other market offer features such as discounts on consumption rates, vouchers, sign-up credits, loyalty bonuses and discounts if bills are paid on time. As such, consumers assessing market offers should take these additional features into account as well as being aware of contract conditions such as late payment fees, the length of the contract and fees for exiting the contract early.

Table 5 below shows additional discounts applicable to the gas retailers' published market offer rates. It also shows other contract terms and features, such as late payment fees, associated with these market offers.

38. These market offers were collected between 20 and 24 July 2023 and it should be noted that retailers may change their rates at any time.

TABLE 5 | Published gas market offers in Jemena/AGL gas zone post July 2023: Key additional features and contract conditions

| Retailer | Name | Effective from | Guaranteed discount | Pay on time discount | Late payment fee | Contract term/benefit period | Early termination fee |
|----------------------------------|---------------------|----------------|---------------------|----------------------|------------------|------------------------------|-----------------------|
| AGL | Value Saver | 24/07/23 | no | no | \$12 | 12 months | no |
| EnergyAustralia | Flexi Plan | 1/07/23 | 8% off bill | no | \$12 | 12 months | no |
| Origin Energy | Go Variable | 1/07/23 | no | no | \$12 | 12 months | no |
| Red Energy | Living Energy Saver | 1/07/23 | no | no | no | no | no |
| Simply Energy[^] | Blue Perks | 1/07/22 | 10% off bill | no | \$12 | no | no |
| GloBird | GloSave | 5/07/23 | no | 2% off bill | no | no | no |
| Sumo Power | Assure | 13/07/23 | no | no | no | no | no |
| Kogan Energy^{^^} | Kogan First | 1/07/23 | no | no | no | no | no |
| Powershop^{^^^} | Carbon Neutral | 1/07/23 | no | no | no | no | no |
| Alinta Energy | Home Deal | 1/07/23 | no | no | no | no | no |
| CovaU | Freedom | 9/05/23 | no | no | no | no | no |
| Dodo | Market Offer | 8/06/23 | no | no | no | no | no |

[^]Only available to members of NRMA

^{^^}Must be or become a Kogan First member

^{^^^}Only available to Powershop electricity customers

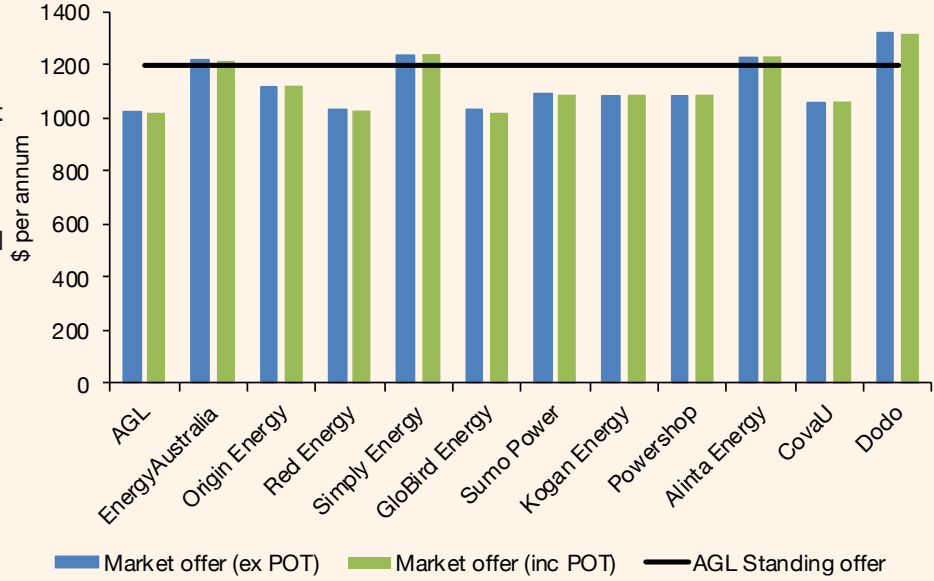
2.2.1 Potential savings - Differences between gas offers

Chart 15 below shows annual retail bills for market offers compared to AGL’s standing offer for typical consumption households (24,000kJ per annum) in the Jemena/AGL gas zone. The blue columns are the market offers including guaranteed discounts (but not pay on time discounts) while the green columns are market offer bills including pay on time discounts.³⁹ The line represents AGL’s standing offer rates that took effect in July 2023.

Customers switching from AGL’s standard offer to GloBird’s market offer can potentially save \$185 on their annual gas bill. Likewise, customers on AGL’s standard offer can save almost \$180 per annum by switching to AGL’s market offer. If they switched to Dodo, Alinta, Simply or Energy Australia’s market offers, however, they would be worse off.

39. These market offers were collected between 20 and 24 July 2023 and it should be noted that retailers may change their rates at any time. Discounts have been applied to consumption and/or total bill as per offers listed in table 5.

CHART 15 | Gas offers in Jemena/AGL area: Estimated annual bill for market offers post July 2023 (guaranteed discount only and all discounts) compared to the regulated rates (based on 24,000MJ, incl GST)



Compared to electricity offers, the difference between the best and the worst gas market offers is quite small. Figure 4 below shows estimated annual bills for gas market offers post discounts in the Jemena/AGL gas zone. The difference between the best (GloBird) and the worst (Dodo) market offer is currently \$305 per annum (last year the difference was \$430).

FIGURE 4 | Jemena/AGL gas zone: Lowest to highest annual bills (incl GST) for gas market offers post July 2023, including discounts and pay on time discounts - Households consuming 24,000MJ per annum⁴⁰

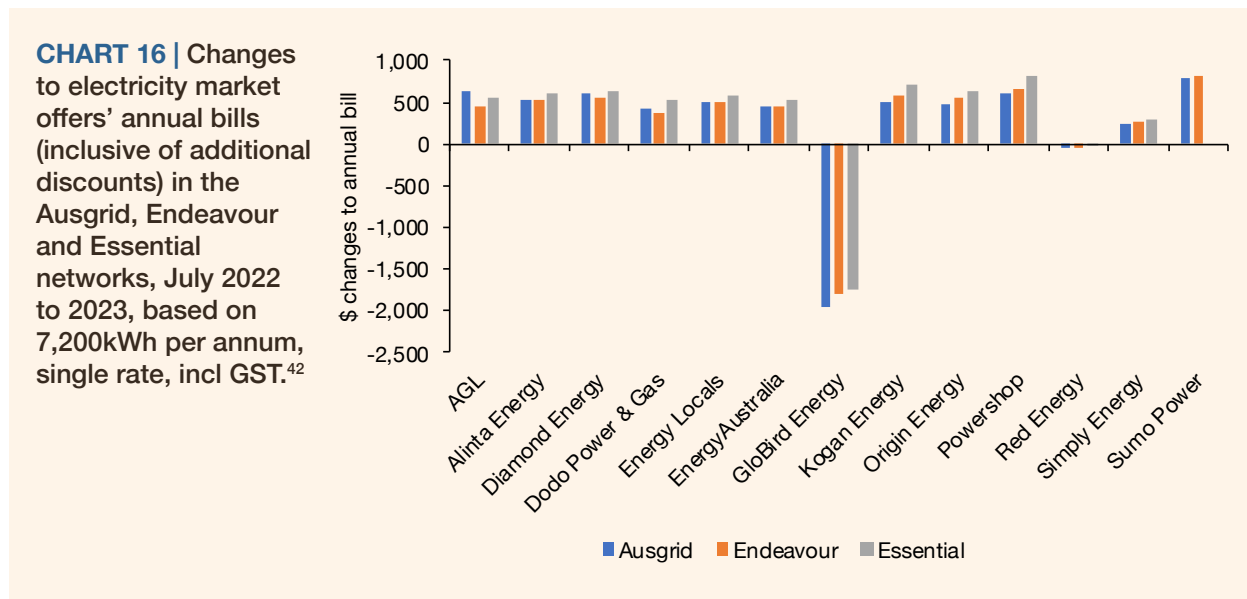
| | | | | | |
|---|----------------|-------|---|-----------------|-------|
|  | GloBird Energy | 1,015 |  | Sumo Power | 1,088 |
|  | AGL | 1,021 |  | Origin Energy | 1,117 |
|  | Red Energy | 1,030 |  | EnergyAustralia | 1,215 |
|  | CovaU | 1,060 |  | Alinta Energy | 1,229 |
|  | Kogan Energy | 1,083 |  | Simply Energy | 1,237 |
|  | Powershop | 1,083 |  | Dodo | 1,318 |

40. These market offers were collected between 20 and 24 July 2023 and it should be noted that retailers may change their rates at any time. Additional discounts for customers choosing to pay by direct debit are not included in these bill calculations.

3. Changes to market offers from July 2022 to 2023

This section analyses changes to individual retailers’ market offers from July 2022 to July 2023.

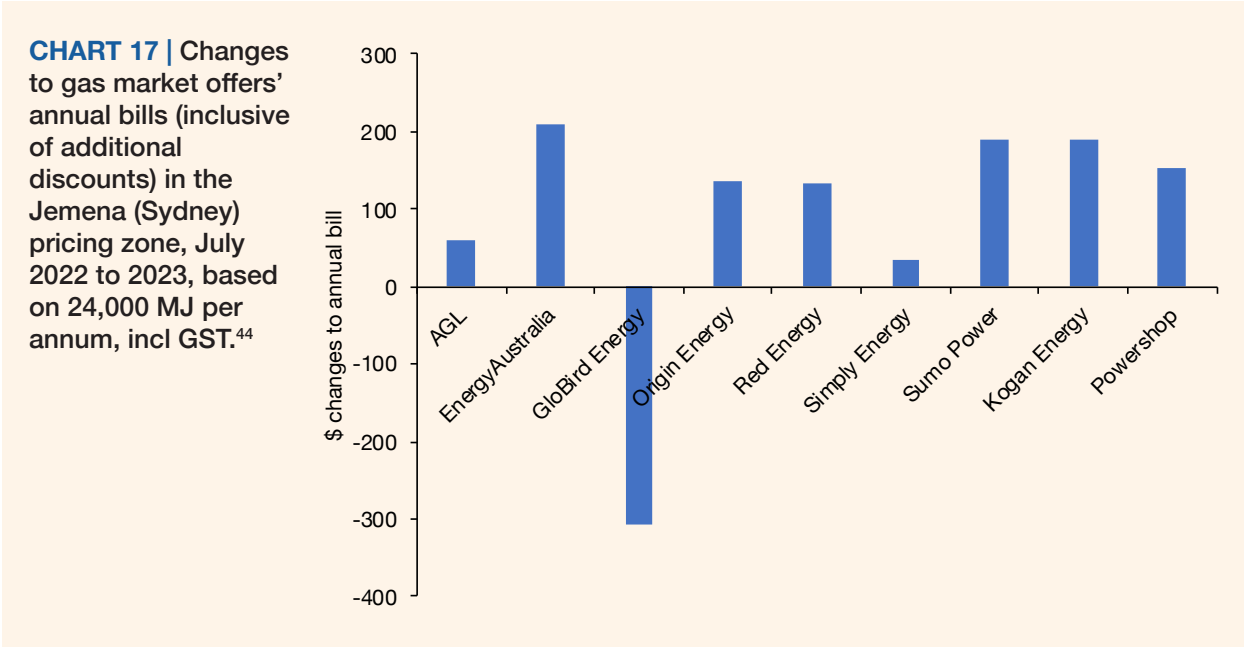
Chart 16 below shows that most electricity retailers increased their market offers between July 2022 and July 2023.⁴¹ Furthermore, it shows that there are significant differences in the size of the individual retailers’ price changes. GloBird has decreased their offers (after significant increases a year ago) while Sumo Power’s offers have increased the most. Red Energy is the only retailer that has not made substantial changes to its market offers.



41. Note that this analysis only includes retailers that had published market offers in July 2022 as well as July 2023.

42. As retailers may discontinue offers and/or introduced new market offers, this analysis is based on market offers deemed best value as well as “standard” (e.g. no direct debit requirements etc.) in both July 2022 and July 2023. Where this has occurred, the offers used for this comparison (2022/2023) are: Simply Energy (NRMA/Blue Perks).

Chart 17 below shows that all gas retailers, except GloBird, increased their market offers between July 2022 and July 2023.⁴³ Simply Energy is the retailer with the most modest increase. It should be noted, however, that GloBird and Simply Energy were the two retailers with the most significant price increases last year (July 2022). In July 2023, Energy Australia, Sumo Power and Kogan Energy have introduced the greatest price increases (up by around \$200 or 21%).



43. Note that this analysis only includes retailers that had published market offers in July 2022 as well as July 2023.
 44. As retailers may discontinue offers and/or introduced new market offers, this analysis is based on market offers deemed best value as well as "standard" (e.g. no direct debit requirements etc.) in both July 2022 and July 2023. Where this has occurred, the offers used for this comparison (2022/2023) are: Simply Energy (NRMA/Blue Perks).

4. Network charges

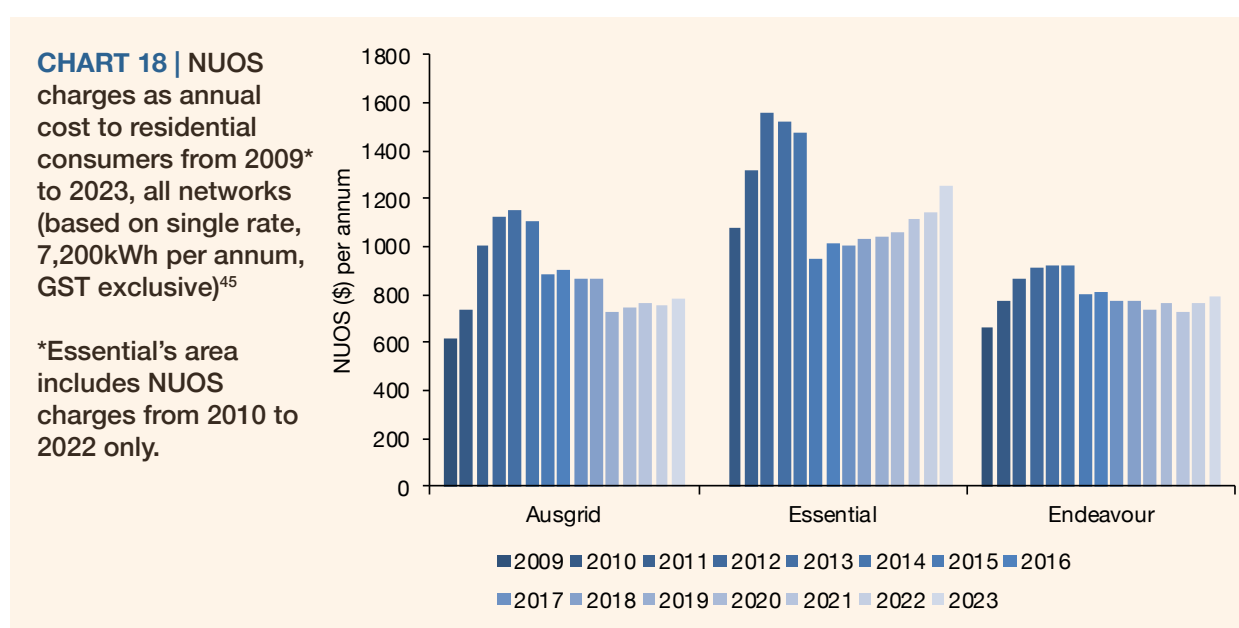
This section examines changes to electricity network charges since 2009 and gas distribution charges since 2019.

4.1 Electricity network charges

The NSW electricity networks (Ausgrid, Essential and Endeavour) introduce new Network Use of System (NUOS) charges in July every year. These NUOS charges are approved by the Australian Energy Regulator (AER) and comprise Transmission Use of System (TUOS) and Distribution Use of System (DUOS) as well as other costs such as jurisdictional charges and metering charges. The retailers can, and generally will, build changes to the NUOS (in relation to both shape and price) into their retail tariffs.

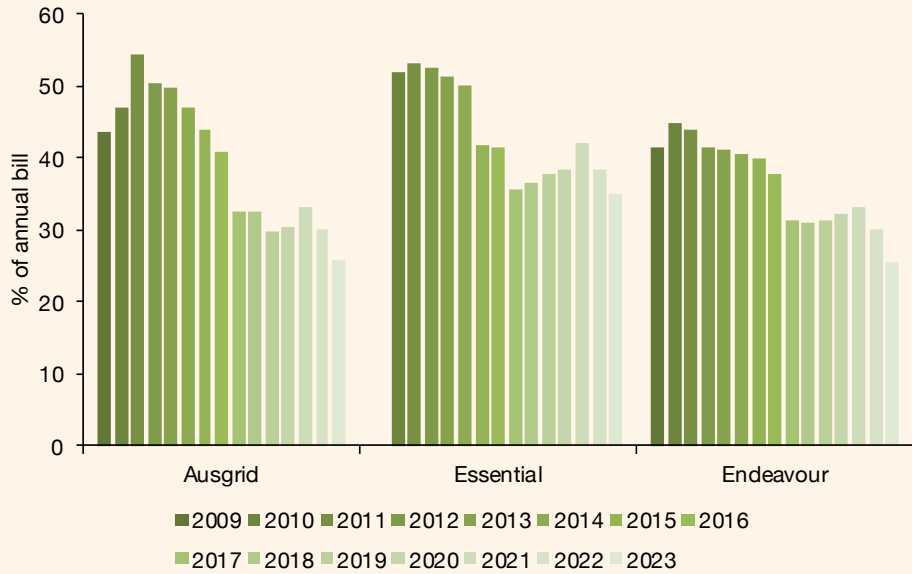
The charts presented below show that while the NUOS charges for average consumption households increased significantly from 2009 to 2012, they then flattened out before substantially decreasing in 2015. In July 2017, 2018 and 2019, the NUOS decreased somewhat in all network areas except for in Essential where there were small increases in July 2018 and 2019. As of July 2020, the NUOS increased slightly in all network areas and in July 2021, the NUOS increased in Ausgrid and Essential while it decreased in Endeavour. In July 2022, the NUOS decreased in Ausgrid and increased in Essential and Endeavour. In July 2023, it increased in all three network areas. See chart 18 below.

Network charges as a proportion of total bill continued to decrease in all networks in July 2023 as the increases to retail bills were greater. The network proportion of bills is currently 25% in Endeavour, 26% in Ausgrid 35% in Essential. See chart 19 below.



45. The annual NUOS charges have been calculated by allocating 1,800kWh per quarter (again based on annual consumption of 7,200kWh) to the step charges stipulated in the NUOS (excluding GST). The annual NUOS cost also includes fixed charges.

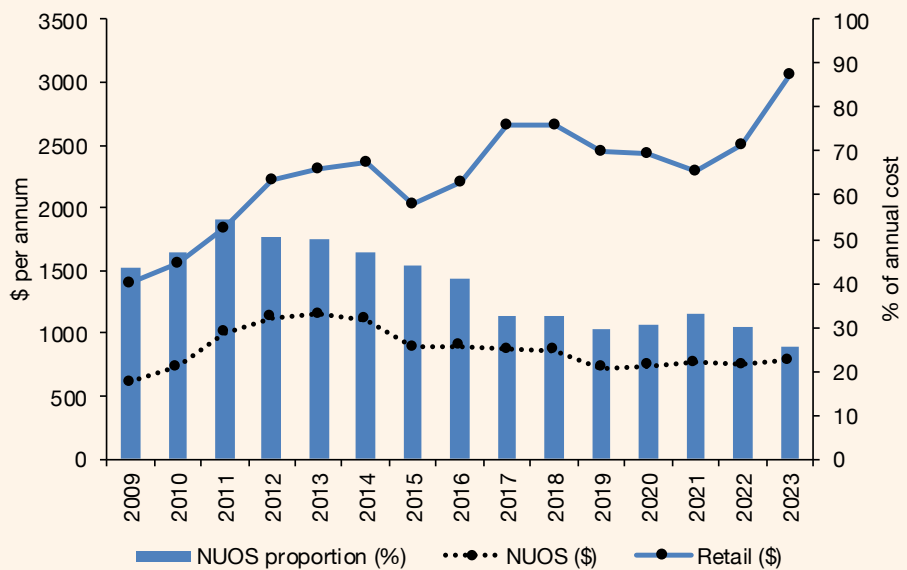
CHART 19 | NUOS charges as proportion of annual bill from 2009* to 2023, all networks. Based on regulated offer (2009-2013) and the incumbent retailers' single rate standing offer (2014-2023), 7,200kWh per annum, incl. GST⁴⁶



*Essential's area includes NUOS charges from 2010 to 2022 only.

Charts 20-22 below show annual retail bills (solid line), NUOS charges as annual cost (dotted line) and as proportion of annual bill (columns) for each of the network areas. The methodology used for these calculations is the same as for charts 18-19 above.

CHART 20 | Ausgrid: Retail bill per annum, NUOS charges and NUOS as proportion of total bill Based on regulated offer (2009-2013) and Energy Australia's single rate standing offer (2014 - 2023), 7,200kWh per annum, incl GST.



46. The NUOS proportion of total bill has been calculated using annual NUOS cost calculations (see footnote above) and the retailers' regulated/standing offers as of July every year (from 2009 to 2022), presented as annual bills for households using 7,200kWh per annum (single rate, incl. GST) across the three distribution areas. Post 2013 the retail bills are based on the incumbent retailers' (Origin and Energy Australia) standing offers.

CHART 21 | Endeavour Energy: Retail bill per annum, NUOS charges and NUOS as proportion of total bill
Based on regulated offer (2009-2013) and Origin's single rate standing offer (2014 - 2023), 7,200kWh per annum, incl. GST

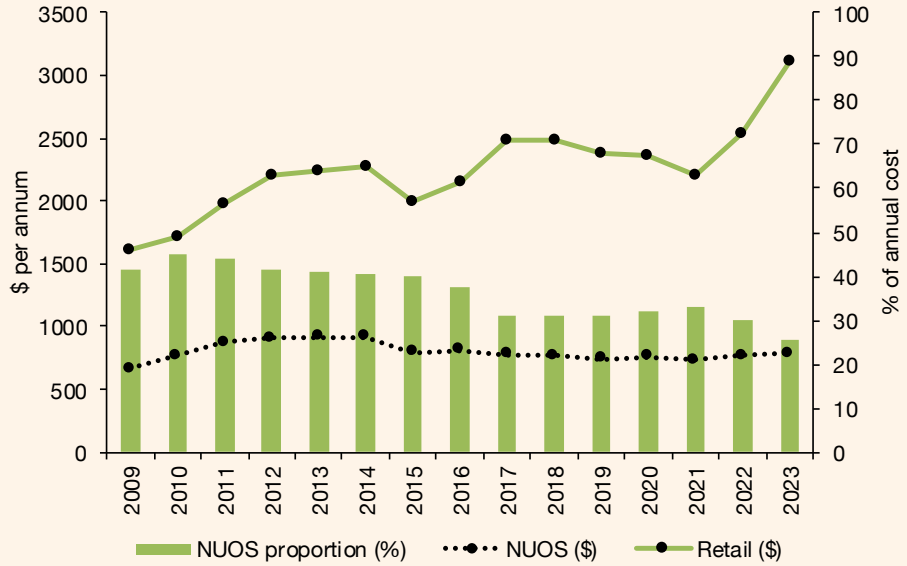
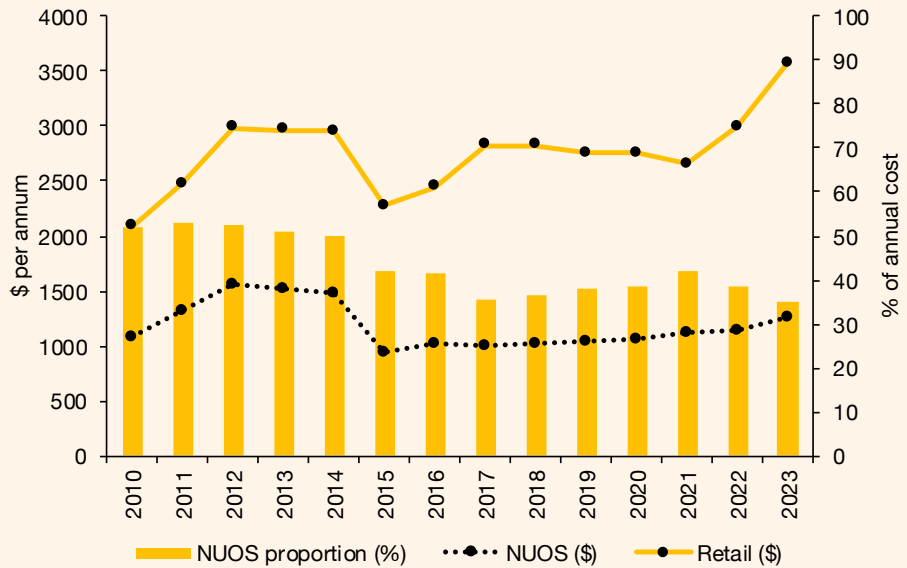


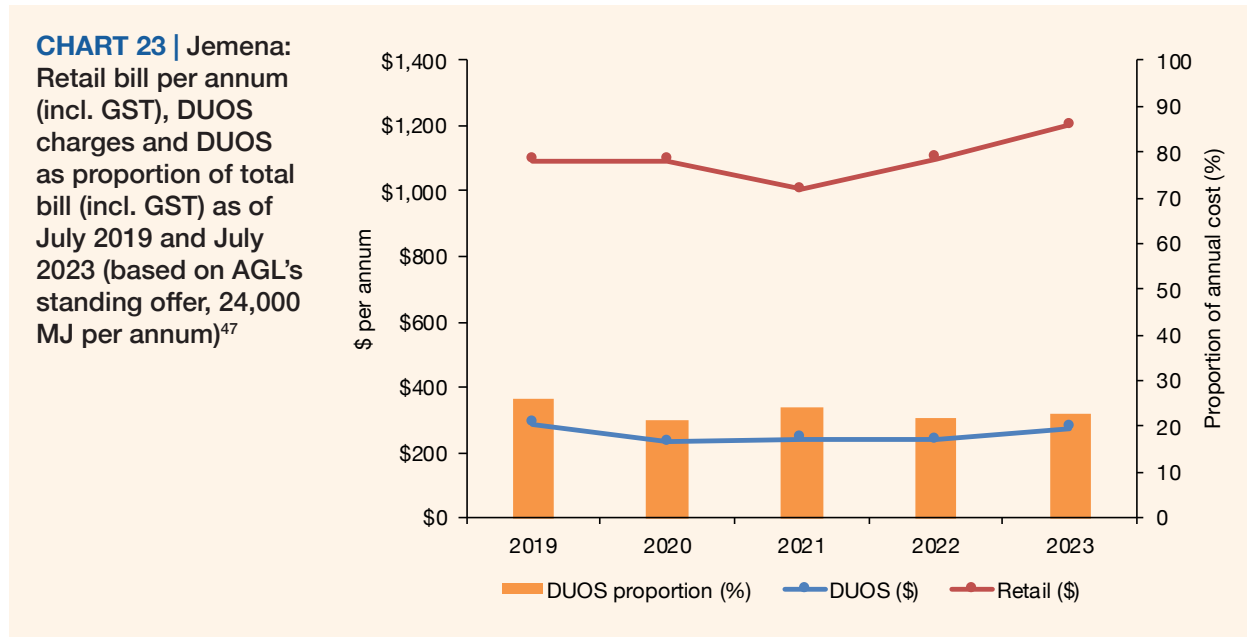
CHART 22 | Essential Energy: Retail bill per annum, NUOS charges and NUOS as proportion of total bill
Based on regulated offer (2010-2013) and Origin's single rate standing offer (2014 - 2023), 7,200kWh per annum, incl. GST



4.2 Gas network charges

A more recent addition to the Tariff-Tracking project has been to analyse changes to gas distribution charges. As discussed in section 1.2 above, there are several gas distributor in NSW and this analysis therefore focuses on the main gas distribution area which is Jemena Coastal.

As for electricity, the NSW gas distributor, Jemena, introduces new Distribution Use of System (DUOS) charges as of 1 July every year. Chart 23 below shows that the DUOS charges decreased in July 2020, increased in July 2021, decreased slightly in July 2022 and increased in July 2023. In July 2023, both the DUOS and the retail bill increased, and the DUOS proportion of gas retail bills is currently 23% (up from 22% last year).



47. Based AGL's standing offer as of July 2019 and 2023. Presented as annual bills for households using 24,000 MJ per annum. The annual DUOS charges have been calculated by allocating 6,000 MJ per quarter (again based on annual consumption of 24,000 MJ) to the step charges stipulated in the DUOS. The annual DUOS cost also includes fixed charges.

5. Solar offers

There are over 662,000 small scale solar systems in NSW.⁴⁸ For 2022-23, IPART stated that a fair and reasonable benchmark range for solar electricity fed back into the grid is between 7.7 and 9.4 cents per kWh.⁴⁹ However, the retailers are not obliged to offer a FIT in this range. Customers looking for solar offers need to assess both the retailers' FIT rates as well as the cost of electricity imported.

This section analyses and compares market offer bills for NSW customers with 1.5 kW and 3 kW systems installed.⁵⁰ As retailers are not required to publish rates for solar products purchased and installed through them, this analysis only examines electricity offers available to customers independently of solar panels and installation.

Methodology and assumptions

To calculate the annual bills for the various solar market offers the following assumptions and methodology have been applied:

- ▲ An annual household consumption of 7,200kWh (including both produced and imported).
- ▲ Calculations have been produced for households with 1.5 kW and 3 kW systems only.
- ▲ For Sydney households, an annual generation capacity per kW installed of 1.614 MWh and an export rate of 49.9% for 3 kW systems and 18.9% for 1.5 kW systems.
- ▲ For non-metropolitan households, an annual generation capacity per kW installed of 1.801 MWh and an export rate of 55.1% for 3 kW systems and 27.3% for 1.5 kW systems.
- ▲ Only FIT rates available to new customers have been included. Retailer funded FIT rates have been applied as per offer (see table 6 below).
- ▲ A flat annual consumption has been assumed.
- ▲ The annual bills have been based on quarterly bill calculations and all step increases have been applied as quarterly thresholds (including when the retail offer refers to daily or monthly thresholds). Daily fixed charges have been multiplied by 91 to calculate the quarterly amount.

The average FIT rate (across all retailers) has been declining in recent years and the average FIT rate is currently 8.2 c/kWh (slightly down from 8.6 c/kWh in July 2022). Furthermore, more retailers (Red Energy, Energy Locals, AGL, Origin Energy, Energy Australia and GloBird) are offering a relatively high FIT rate for a set amount of kWh exported each day and a much lower FIT rate for any export above the threshold.

A declining FIT rate can have a notable impact on households with even a moderate export capacity. A Sydney household exporting 604 kWh per quarter, for example, would receive an annual FIT credit of approximately \$255 on Red Energy's declining FIT rate of 12 cents and 6 cents. The same household would have received an annual FIT credit of around \$290 if they were with a retailer offering a 12 cent FIT without the daily threshold (e.g. Powershop or Simply Energy).

48. Small scale is defined as systems up to 100 kW. Clean Energy Council, Clean Energy Australia Report 2022, 76

49. See IPART, Solar feed-in tariff benchmark 2023-24, Fact Sheet, 28 April 2023 at https://www.ipart.nsw.gov.au/sites/default/files/cm9_documents/Fact-Sheet-Solar-feed-in-tariff-benchmark-2023-24-28-April-2023.PDF

50. We note that these systems are small compared to the size of the typical systems that are currently being installed. However, as a key objective of the Tariff-Tracker is to compare developments over time, we continue to base the analysis on 3 kW and 1.5 kW systems.

TABLE 6 | Retailers' FIT rates (July 2023)

| Retailer* | Offer | 1st FIT rate (c/kWh) | Threshold | 2nd FIT rate (c/kWh) |
|------------------|-----------------------------|----------------------|------------|----------------------|
| EnergyAustralia | Solar Max | 15 | 15 kWh/day | 7.6 |
| GloBird Energy | SolarPlus | 15 | 8 kWh/day | 6 |
| AGL | Solar Savers | 12 | 14 kWh/day | 7 |
| Origin Energy | Solar Boost | 12 | 14 kWh/day | 7 |
| Powershop | Super Solar | 12 | | |
| Red Energy | Solar Saver | 12 | 5 kWh/day | 6 |
| Simply Energy | Solar | 12 | | |
| Energy Locals | Online Member | 11.5 | 10 kWh/day | 6.2 |
| Sumo Power | Assure | 8.1 | | |
| Momentum | Suit Yourself | 7 | | |
| Alinta Energy | Home Deal | 6.7 | | |
| Dodo Power & Gas | Market offer | 6.2 | | |
| 1st Energy | 1st Saver | 6 | | |
| CovaU | Freedom | 5.5 | | |
| Diamond Energy | Renewable Saver | 5.2 | | |
| Kogan Energy | Free Kogan First Membership | 5 | | |
| Nectr | 100% Clean | 4.4 | | |
| OVO | The One Plan | 0 | | |
| Tango Energy | Home Select | 0 | | |

Chart 24 below compares annual retail bills for solar customers in Sydney (Ausgrid) with 3 kW and 1.5 kW installed.⁵¹ It shows that for this consumption level, the average market offer bill for households in this area with a 3 kW system installed is \$1,795 and that is \$935 less than the average market offer bill for non-solar customers (see section 2.1 above). Households with a 1.5 kW system installed will have an average annual bill of \$2,130.

Chart 24 also shows that AGL, Alinta, Diamond, Origin, Powershop, Red Energy, Simply Energy, Kogan, Sumo, 1st Energy, Momentum and Nectr all have offers that produce annual bills above the average for both 3 kW and 1.5 kW systems. Customers with a 3kW system installed may save \$605 per annum if they switched from Nectr to GloBird' offer.⁵²

51. We note that these systems are small compared to the size of the typical systems that are currently being installed. However, as a key objective of the Tariff-Tracker is to compare developments over time, we continue to base the analysis on 3 kW and 1.5 kW systems.

52. Note that Amber Electric has been excluded from this analysis as its published market offer is based on a maximum price for usage instead of the wholesale market rates actually charged.

CHART 24 | Annual bills including discounts and FIT credits for Sydney/Ausgrid customers with 3 kW and 1.5 kW solar systems. Electricity offers post July 2023 as annual bills, Single rate, 7,200kWh (GST inc)⁵³

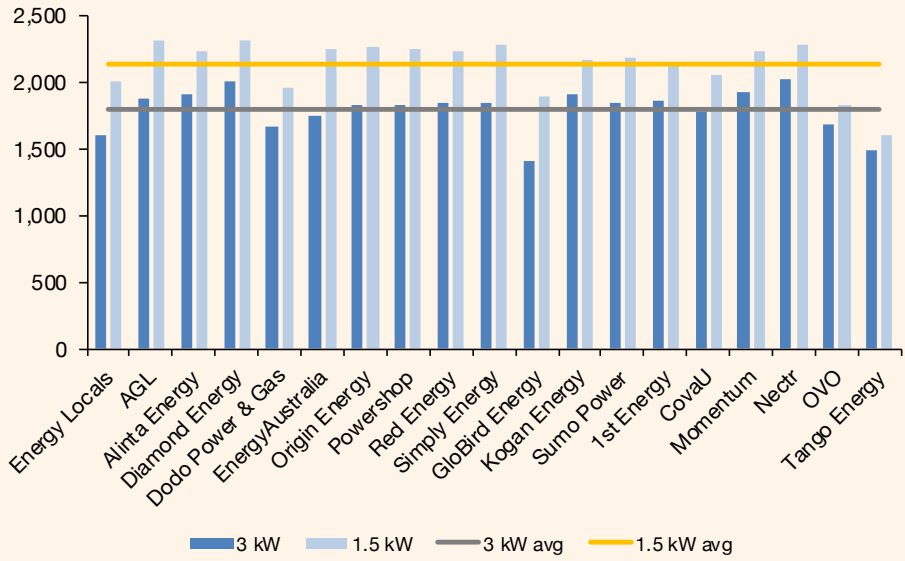
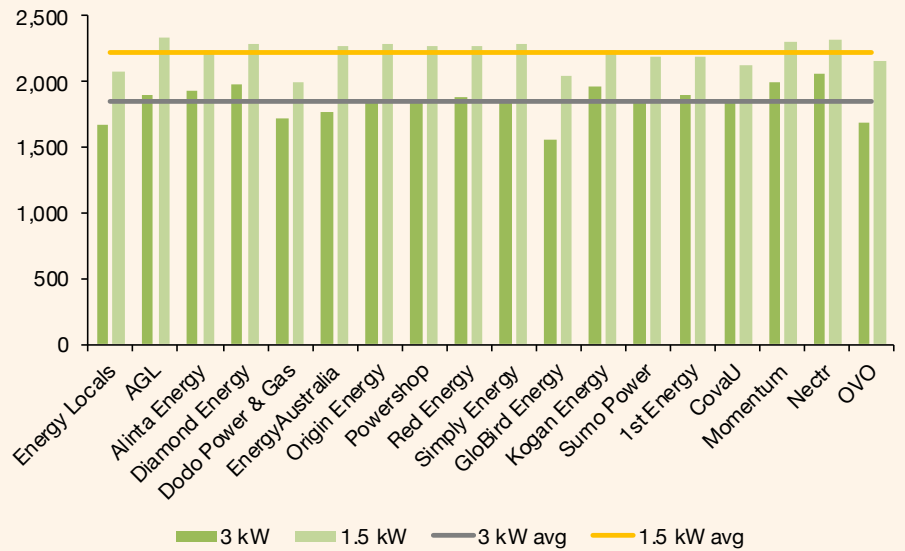


Chart 25 below shows annual bills for Sydney solar customers in the Endeavour network. It shows that for this consumption level, the average market offer bill for households in this area with a 3 kW system installed is \$1,850 and that is \$955 less than the average market offer bill for non-solar customers (see section 2.1 above). Households with a 1.5 kW system installed will have an average annual bill of \$2,215.

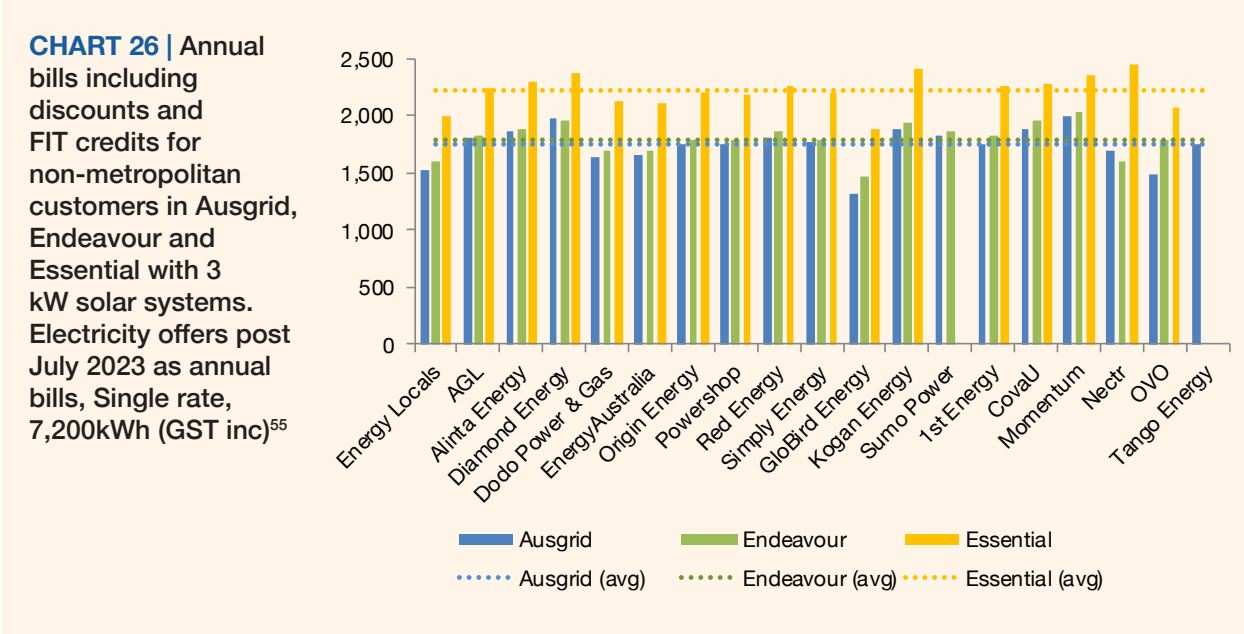
CHART 25 | Annual bills including discounts and FIT credits for Sydney/Endeavour customers with 3 kW and 1.5 kW solar systems. Electricity offers post July 2023 as annual bills, Single rate, 7,200kWh (GST inc)⁵⁴



53. Calculations include discounts off usage or bill as well as pay on time discounts off usage or bill.




















54. Ibid.

Homes outside Sydney’s metropolitan area will typically have less overshadowing and therefore a higher generation capacity and export rate. Chart 26 compares annual retail bills for non-metropolitan solar customers with 3 kW systems in the three network areas. It shows that the average annual bill for non-metropolitan solar customers with this consumption level is \$1,745 in Ausgrid, \$1,795 in Endeavour and \$2,215 in Essential. Compared to non-solar households, the average bill is around \$985 less in Ausgrid, \$1,015 in Endeavour, and \$1,070 less in Essential (see section 2.1 above for non-solar customers).



Figures 6 - 8 below show estimated annual bills for solar market offers including FIT and discounts for Sydney customers in Ausgrid and Endeavour’s networks and non-metropolitan customers in the Essential network (all based on 3 kW systems).⁵⁶

FIGURE 6 | Lowest to highest annual bills (incl GST) for solar market offers post July 2023, including discounts and pay on time discounts – Sydney households in the Ausgrid network with 3kW systems installed and consuming 7,200kWh annum (including both produced and imported), single rate.

| | | | | | | | | |
|---|------------------|-------|---|---------------|-------|---|----------------|-------|
|  | GloBird Energy | 1,415 |  | Powershop | 1,822 |  | Kogan Energy | 1,906 |
|  | Tango Energy | 1,488 |  | Origin Energy | 1,831 |  | Alinta Energy | 1,909 |
|  | Energy Locals | 1,601 |  | Sumo Power | 1,838 |  | Momentum | 1,924 |
|  | Dodo Power & Gas | 1,667 |  | Red Energy | 1,840 |  | Diamond Energy | 2,005 |
|  | OVO | 1,687 |  | Simply Energy | 1,843 |  | Nectr | 2,019 |
|  | EnergyAustralia | 1,753 |  | 1st Energy | 1,860 | | | |
|  | CovaU | 1,784 |  | AGL | 1,870 | | | |

55. Ibid. Note that Sumo does not have published offers in the Essential Energy network and Tango Energy only has published offers available in the Ausgrid network.

56. These market offers were collected between 20 and 24 July 2023 and it should be noted that retailers may change their rates at any time. Additional discounts for customers choosing to pay by direct debit are not included in these bill calculations.

FIGURE 7 | Lowest to highest annual bills (incl GST) for solar market offers post July 2023, including discounts and pay on time discounts – Sydney households in the Endeavour network with 3kW systems installed and consuming 7,200kWh annum (including both produced and imported), single rate




































| | | | | | |
|--|-------|---|-------|--|-------|
|  GloBird Energy | 1,564 |  Powershop | 1,853 |  AGL | 1,898 |
|  Energy Locals | 1,664 |  Origin Energy | 1,854 |  Alinta Energy | 1,930 |
|  OVO | 1,684 |  Simply Energy | 1,855 |  Kogan Energy | 1,970 |
|  Dodo Power & Gas | 1,722 |  Sumo Power | 1,861 |  Diamond Energy | 1,985 |
|  EnergyAustralia | 1,775 |  Red Energy | 1,890 |  Momentum | 1,993 |
|  CovaU | 1,848 |  1st Energy | 1,894 |  Nectr | 2,058 |

FIGURE 8 | Lowest to highest annual bills (incl GST) for solar market offers post July 2023, including discounts and pay on time discounts – households in the Essential network with 3kW systems installed and consuming 7,200kWh annum (including both produced and imported), single rate

| | | | | | |
|--|-------|---|-------|--|-------|
|  GloBird Energy | 1,885 |  Origin Energy | 2,196 |  Alinta Energy | 2,292 |
|  Energy Locals | 1,995 |  Simply Energy | 2,197 |  Momentum | 2,358 |
|  OVO | 2,060 |  AGL | 2,246 |  Diamond Energy | 2,371 |
|  EnergyAustralia | 2,100 |  1st Energy | 2,250 |  Kogan Energy | 2,404 |
|  Dodo Power & Gas | 2,124 |  Red Energy | 2,258 |  Nectr | 2,442 |
|  Powershop | 2,183 |  CovaU | 2,268 | | |

6. Total cost of energy by area

As approximately 40% of NSW households are connected to both electricity and gas, it is important to analyse whether there are areas that have experienced high increases/decreases in both electricity and gas prices, and conversely, whether there are areas where the increases/decreases in electricity and gas prices are at the lower end.⁵⁷ Such analysis allows for a more detailed understanding of the total energy costs faced by households across NSW. This year, dual fuel households in the Goulburn, Boorowa, Yass and Young areas have received the greatest increases to energy costs as gas prices have increased in by approximately \$135 per annum in the Jemena Country/ActewAGL gas zone combined with an increase of around \$640 in electricity prices in the Essential Energy network.⁵⁸ Dual fuel households with typical consumption levels across NSW will experience price increases of between \$665 and \$775 per annum.⁵⁹

6.1 Inner Sydney, Northern Sydney, Swansea, Newcastle, Maitland, Cessnock Singleton and Upper Hunter

In this area, Energy Australia’s annual electricity standing offer bill is \$565 more in July 2023 compared to July 2022 (based on households consuming 7,200kWh/annum). Higher gas prices in the Jemena/AGL gas zone also means that annual bills for customers on AGL’s gas standing offer have increased by around \$100 per annum (based on households consuming 24,000MJ/annum).

- ▲ Dual fuel households with an average consumption of electricity and gas in inner and Eastern Sydney, Sydney’s North, Swansea and Newcastle will typically experience an *increase* in annual *energy* costs of \$665 from July 2023.⁶⁰
- ▲ All-electric households in Sydney, Newcastle, Maitland, Singleton, Muswellbrook and the Upper Hunter will typically experience an *increase* in annual *electricity* costs of \$510 from July 2023.⁶¹



Source: www.ausgrid.com.au

57. According to IPART, approximately 40% of all NSW households use gas and in the Sydney metropolitan area approximately 50% of households use gas. IPART, *Review of regulated retail prices and charges for gas*, Final report, June 2014, p 52

58. Based on the incumbent retailers’ standing offers and an annual consumption of 7,000 kWh and 24,000 MJ.

59. Ibid.

60. These are households in Ausgrid’s electricity distribution network and Jemena/AGL’s gas zone.

61. These are households on a two-rate (controlled load) tariff in Ausgrid’s electricity distribution network using 8,000 kWh per annum (thereof 30% controlled load).

6.2 Western Sydney, Wollongong, Blue Mountains, Lithgow, Kandos, Moss Vale, Nowra, Ulladulla

In this area, Origin’s annual electricity standing offer bill is \$565 more in July 2023 compared to July 2022 (based on households consuming 7,200kWh/annum). Higher gas prices in the Jemena/AGL gas zone also means that annual bills for customers on AGL’s gas standing offer have increased by around \$100 per annum (based on households consuming 24,000MJ/annum).

- ▲ Dual fuel households with an average consumption of electricity and gas in Western Sydney, Wollongong, Blue Mountains and Lithgow will typically experience an *increase* in annual *energy* costs of \$665 from July 2023.⁶²
- ▲ As gas prices in the Nowra/Shoalhaven have increased by approximately \$130 per annum, dual fuel households in this area will typically experience an *increase* in annual *energy* costs of \$695 from July 2023.⁶³
- ▲ All-electric households in Western Sydney, Wollongong, Blue Mountains, Lithgow, Kandos, Moss Vale, Nowra and Ulladulla will typically experience an *increase* in annual *electricity* costs of \$560 from July 2023.⁶⁴



Source: www.endeavourenergy.com.au

62. These are households in Endeavour Energy’s electricity distribution network and Jemena/AGL’s gas zone.

63. These are households in Endeavour Energy’s electricity distribution network and ActewAGL’s Shoalhaven gas zone.

64. These are households on a two-rate (controlled load) tariff in Endeavour Energy’s electricity distribution network using 8,000 kWh per annum (thereof 30% controlled load).

6.3 Rural and Regional NSW

In rural and regional NSW, Origin's annual electricity standing offer bill is \$640 more in July 2023 compared to July 2022 (based on households consuming 7,200kWh/annum). For all-electric households (8,000kWh, 30% controlled off peak) the average electricity standing offer has increased by \$570.



Source: Country Energy, Annual Report 2009-10

- ▲ Dual fuel households with an average consumption of electricity and gas in Bathurst, Orange, Newcastle and Wollongong will typically experience a \$740 *increase* to their annual *energy* costs from July 2023.⁶⁵
- ▲ Dual fuel households in Queanbeyan and Bungendore will typically experience an *increase* in annual *energy* costs of \$760 from July 2023.⁶⁶
- ▲ Dual fuel households in Goulburn, Boorowa, Yass and Young will typically experience an *increase* in annual *energy* costs of \$775 from July 2023.⁶⁷
- ▲ Dual fuel households in Wagga Wagga and Uranquinty will typically experience an *increase* in annual *energy* costs of \$730 from July 2023.⁶⁸
- ▲ Dual fuel households in Tamworth will typically experience an *increase* in annual *energy* costs of \$720 from July 2023.⁶⁹
- ▲ Dual fuel households in the Murray Valley towns will typically experience an *increase* in annual *energy* costs of \$730 from July 2023.⁷⁰
- ▲ Dual fuel households in Tumut and Gundagai will typically experience an *increase* in annual *energy* costs of \$735 from July 2023.⁷¹
- ▲ Dual fuel households in Albury, Moama and Jindera will typically experience an *increase* in annual *energy* costs of \$725 from July 2023.⁷²
- ▲ Dual fuel households in Cooma, Bombala, Temora, Holbrook, Henty, Culcairn and Walla will typically experience an *increase* in annual *energy* costs of \$735 from July 2023.⁷³

65. These are households in Essential Energy's electricity distribution network and the Jemena/AGL gas zones.
66. These are households in Essential Energy's electricity distribution network and ActewAGL's Queanbeyan gas zone.
67. These are households in Essential Energy's electricity distribution network and ActewAGL's Goulburn gas zone.
68. These are households in Essential Energy's electricity distribution network and Origin Energy's Wagga Wagga gas zone.
69. These are households in Essential Energy's electricity distribution network and Origin Energy's Tamworth gas zone.
70. These are households in Essential Energy's electricity distribution network and Origin Energy's Murray gas zone.
71. These are households in Essential Energy's electricity distribution network and Origin Energy's Tumut gas zone.
72. These are households in Essential Energy's electricity distribution network and Origin Energy's Albury gas zone.
73. These are households in Essential Energy's electricity distribution network and Origin Energy's Temora and Cooma gas zone.