

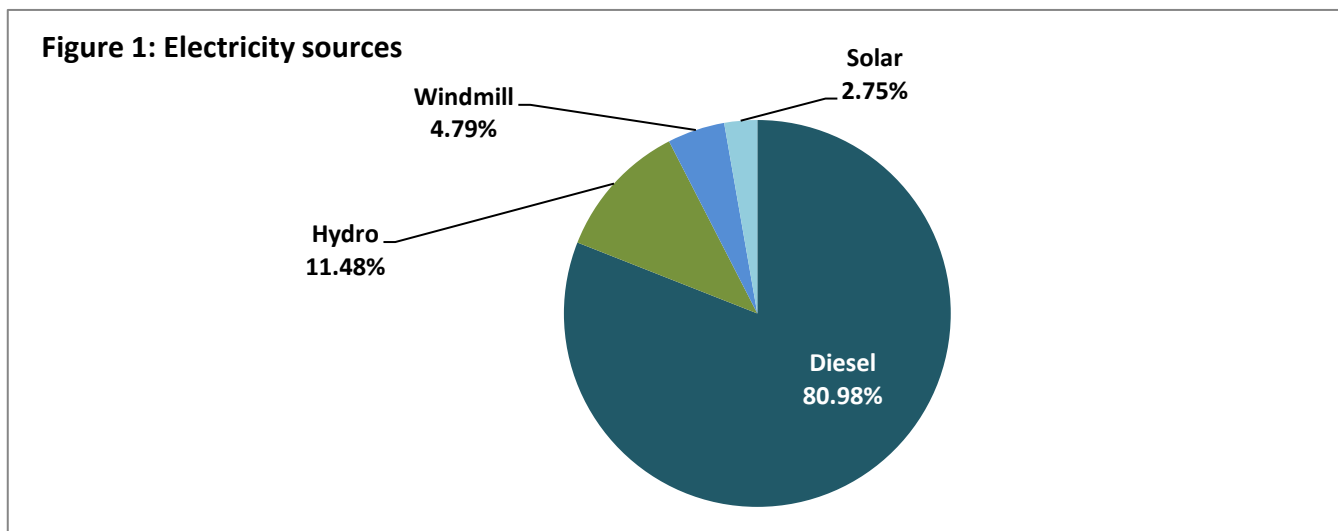
VANUATU MONTHLY ENERGY MARKET SNAPSHOT OF JULY 2024

Overview of the Month

This report issued by the Utilities Regulatory Authority (the Authority) provides an electricity market update in Vanuatu for the month of July 2024 for electricity utilities that are regulated by the Authority. During the month, renewable energy contribution from wind energy further decreased compared to the previous month, however hydro production increased. Total power sold and produced during the month has further declined.

Electricity Source

Figure 1 below presents the overall market share of the different types of energy generation sources used by regulated utilities in Vanuatu during the reporting month. The main energy source was diesel combustion that contributed 80.98 % of the total electricity produced, followed by hydro plants on Santo (Sarakata) and Maewo (Talise) with an aggregate total of 11.48%, windmills on Efate of 4.79% and the solar panels on Efate, Luganville (Santo), Lakatoro (Malekula) and Lenakel (Tanna) with an aggregate total share of 2.75%.



Electricity Generation by Area

The top part of Table 1 below shows the total energy production from all available energy sources and the total quantity of diesel used to generate electricity in each service area during the month. The bottom part of the table reveals the respective contributions in % from the available energy generation sources in each service area¹.

Table 1: Generation Mix by Electricity Grid

Jul-24	Efate	Luganville, Santo	Malekula- Lakatoro*	Tanna*	Ambae	Vanua Lava	Maewo	Lorlow & Wintua, Malekula	Port Olry, Santo
Total kWh Produced	5,237,758	1,102,745	101,579	129,683	20,532	6,707	5,888	4,454	15,036
Litres of diesel used	1,116,000	97,766	27,024	36,670	5,224	2,427	-	-	5,230
Diesel %	90.6%	30.1%	100.0%	100.0%	100.0%	100.0%	0.0%	0.0%	100.0%
Copra oil %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Hydro %	0.0%	69.7%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
Wind %	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Solar %	3.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%

*The Malekula (Lakatoro) Hydro contribution is nil as the hydro plant was not operating. This was confirmed by the Authority after a site visitation. The Malekula- Lakatoro and Tanna kWh production and diesel used were estimated as data is unavailable to the Authority.

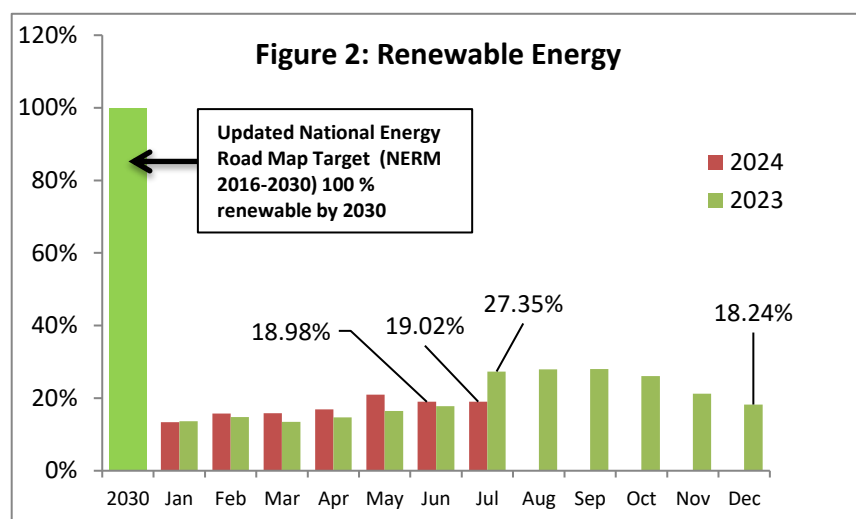
¹ The Wintua and Lorlow (operated by the Winuta/ Lorlow Electrical Cooperative) data was also projected based on 2022 data. The Authority is working closely with the operator to provide updated monthly data going forward.

Renewable Energy Generation

Figure 2 on the right presents the portion of electricity generated from renewable energy (RE) sources² during the month in Vanuatu. The 2023 renewable energy contributions can be compared with the year-to-date (YTD) renewable proportions for 2024.

The graph shows a slight increase in RE contribution this month due to an increase in hydro production. RE in July 2024 is however lower than in July 2023.

Figure 2 also provides an overview on the status of 'Vanuatu's renewable electricity generation' in concession and mini-grid areas in comparison to the NERM's³ target.



Number of customers

Table 2 outlines number of customers in different electricity network in Vanuatu (See notes for more information).

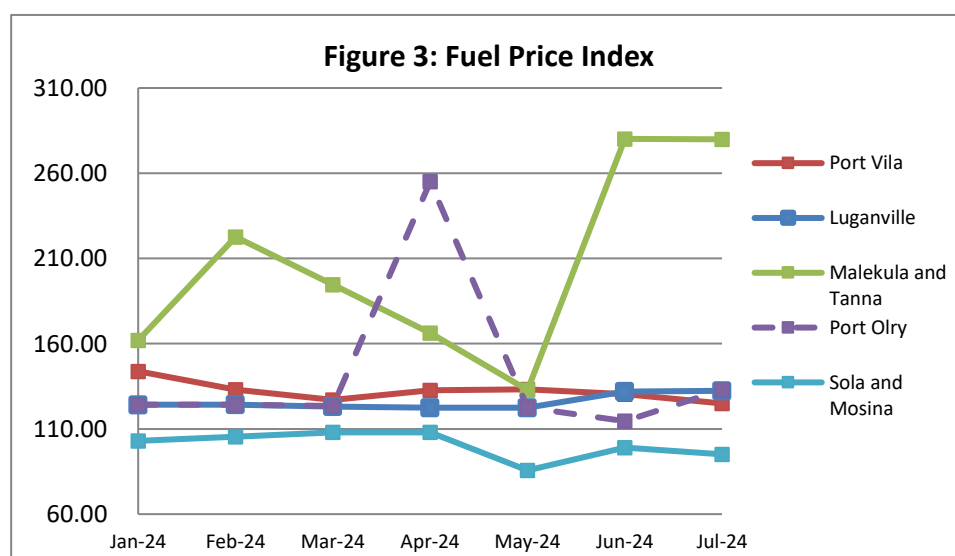
Table 2: Customer numbers per electricity network area

May-24									
Electricity Network	Port Vila	Luganville	Tanna	Malekula	Port Olry	Talise (Maewo)	Ambae	Vanua Lava	Wintua-Lorlow
Total active customers	17,191	3,817	1,176	1,030	315	200	131	109	121
Jun-24									
Electricity Network	Port Vila	Luganville	Tanna	Malekula	Port Olry	Talise (Maewo)	Ambae	Vanua Lava	Wintua-Lorlow
Total active customers	17,264	3,811	1,177	1,004	325	191	123	111	121
Jul-24									
Electricity Network	Port Vila	Luganville	Tanna	Malekula	Port Olry	Talise (Maewo)	Ambae	Vanua Lava	Wintua-Lorlow
Total active customers	17,302	3,830	1,157	985	316	204	119	114	121

Fuel cost index

Figure 3, on the right presents the movement in fuel price index. It shows the price per liter of diesel and the evolution or movement of fuel price in 2024. The index point is updated to start 100 points in January 2020 to cater for electricity service areas that their operational data becomes available thereafter.

Fuel price for Port Vila (Efate), Luganville (Santo), Sola and Mosina (Vanua Lava) shows a steady trend from June to July 2024. However, the average fuel index for Malekula and Tanna has leveled off.



² Renewable sources include copra oil, hydro, solar and wind.

³ Update National Energy Road Map 2016 – 2030. The target by 2030 is 100% generation from renewable energy sources.

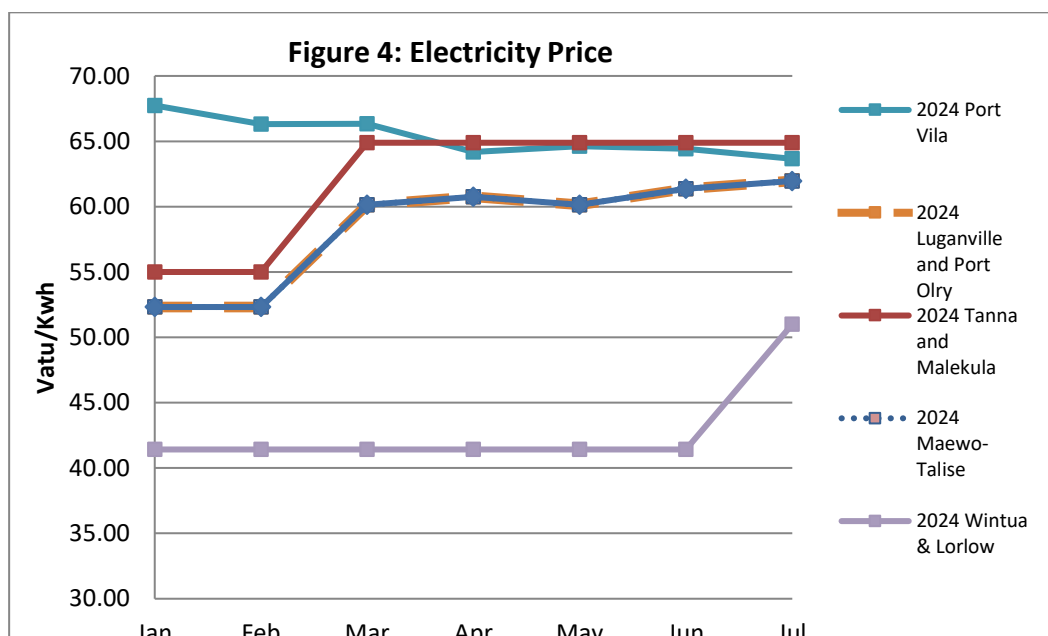
Electricity Price

UNELCO⁴ tariff for the month of July 2024 is 63.66 Vatu/kWh.

VUI⁵, VANPAWA⁶ and the Wintua/Lorlow electrical Cooperative's⁷ applicable tariff in Vatu/kWh of the reporting month is 61.97, 64.89 and 51, respectively.

UNELCO and VUI's actual operational parameters for a reporting month are typically utilized to compute electricity tariff for the following month.

An increase in rates was issued to Wintua and Lorlow Tariff in July 2024.

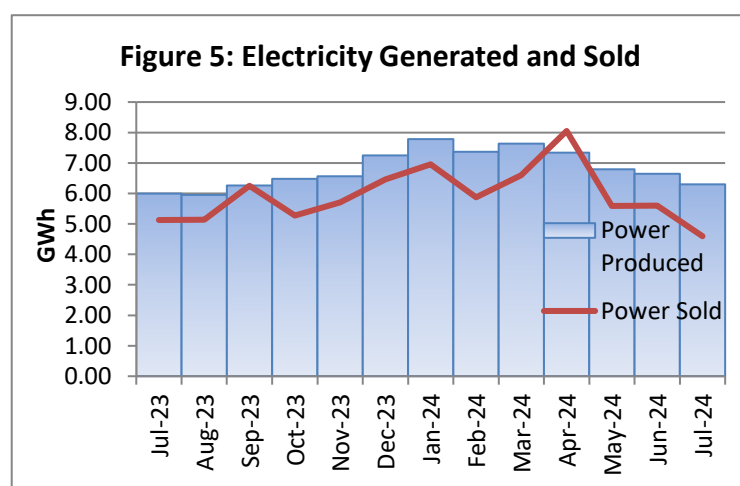


Total Electricity Generated and Sold

Total power produced decreased by 5.50% from preceding month; Comparing it with the equivalent month in previous calendar year, the total power generated had increased by 4.83%.

Total power sold during the month significantly dropped by 21.91% from the previous month. Comparing it with the same month in 2023 total power sold reduced by 11.50%.

Changes in power produced and sold are entirely dependent on electricity consumption and power losses during the reporting month.



The data utilized in creating this monthly energy snapshot does not include electricity production outside of a concession agreement or MOU.

About the Utilities Regulatory Authority (URA)

The URA is the independent economic regulator for water and electricity services in Vanuatu, established by the URA Act on 11 of 2007 with amendments.

⁴ Union Electrique du Vanuatu, <UNELCO Engle>, supplies electricity in Port Vila

⁵ Vanuatu Utilities & Infrastructure Limited supplies electricity in Luganville and Port Olry (Santo), Sola & Mosina (Vanua Lava), Saratamata, Lolowai & Longana (Ambae) and Taloa (Maewo).

⁶ VANPAWA Limited is a newly established electricity generating and supply company in the Tanna and Malekula concessions since May 2023.

⁷ Wintua/Lorlow cooperative is operating from Wintua established in 2013 and Lorlow in 2015. The Office of the Utilities Regulatory Authority, the Department of Energy's website (www.compound.gov.vu) Pierre Lamy & Andre Ballande Street, Port Vila, Vanuatu.



The URA welcomes suggestions and feedback from readers of this monthly energy snapshot report. Any readers desiring to seek clarification of this report are encouraged to contact the URA.