

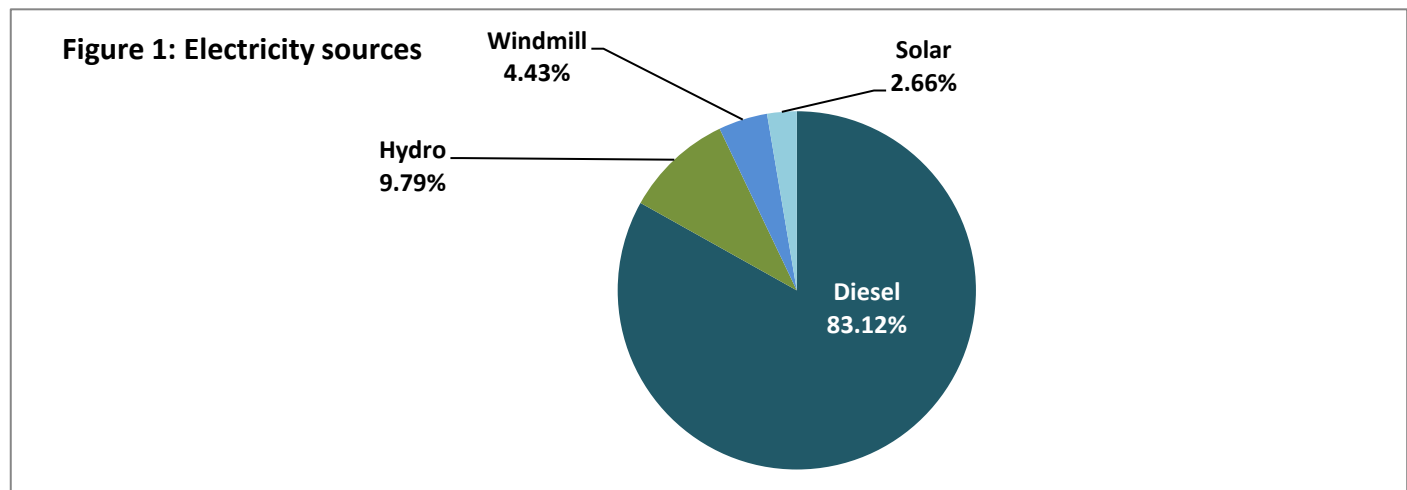
VANUATU MONTHLY ENERGY MARKET SNAPSHOT OF APRIL 2024

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 April 2024 for electricity utilities that are regulated by the Authority. During the month, diesel remained as the dominant source of generating power in Vanuatu. Renewable energy contribution from hydro had decreased, however wind and solar energy production slightly increased as compared to the previous month. Total power produced during the month had decreased from March 2024, however total power sold increased during the month.

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 83.12 % of the total electricity produced, followed by the hydro plant on Santo with a total of 9.79%, the windmills on Efate contributed 4.43 % and the solar panels on Efate, Luganville, Lakatoro and Lenakel with an aggregate total share of 2.66%.



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

Apr-24	Efate	Luganville, Santo	Malekula- Lakatoro*	Tanna*	Ambae	Vanua Lava	Maewo	Lorlow & Wintua, Malekula	Port Olry, Santo
Total kWh Produced	6,362,038	1,203,848	106,668	128,136	19,742	6,829	5,855	5,040	17,493
Litres of diesel used	1,368,700	122,374	28,646	36,813	5,040	4,104	-	-	5,468
Diesel %	91.4%	35.2%	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%	64.7%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
Wind %	5.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Solar %	3.2%	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 is currently not operating, which was confirmed by the Authority after a site visitation. The Malekula- Lakatoro and Tanna kWh production and diesel used were estimated as data was unavailable to the Authority.

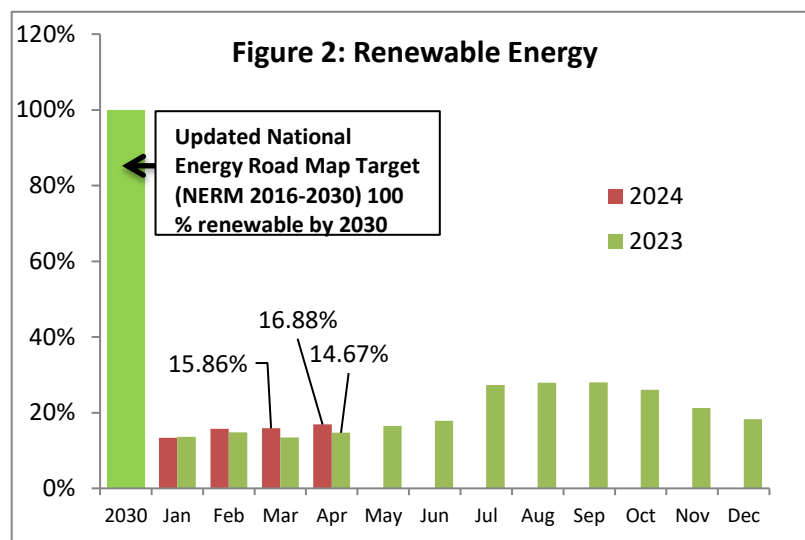
¹ The Wintua and Lorlow (operated by the Wintua/ Lorlow Electrical Cooperative) data was also projected based on 2022 data. The Authority is working closely with the operator to provide updated monthly data going forward.

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 RE contribution this month is 1.02% higher than March 2024. RE contribution this month is also higher than the same month in the previous calendar year by 2.21%.

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).

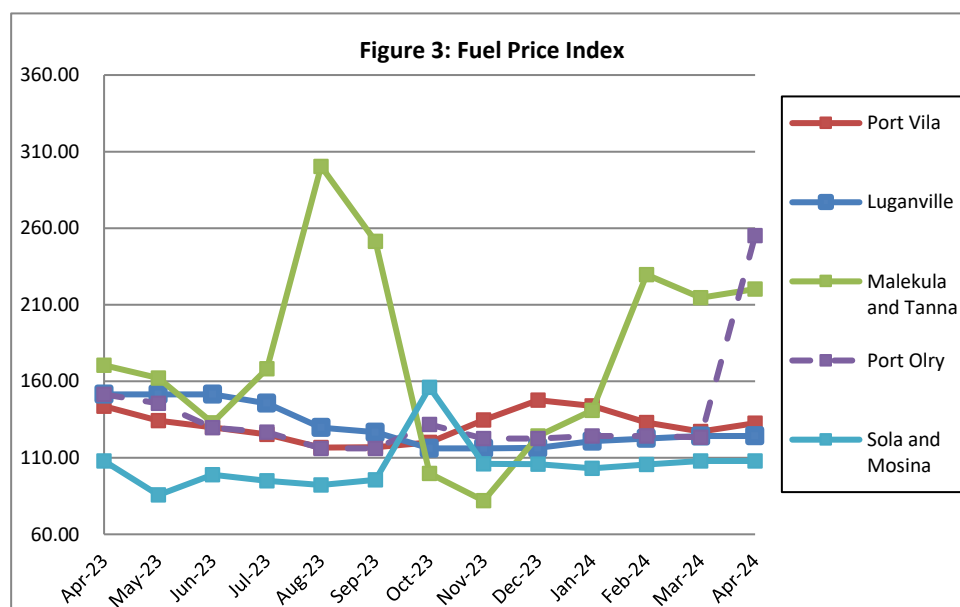
Table 2: Customer numbers per electricity network area

Feb-24									
Electricity Network	Port Vila	Luganville	Tanna	Malekula	Port Olry	Talise (Maewo)	Ambae	Vanua Lava	Wintua-Lorlow
Total active customers	17,168	3,805	1,191	1,032	312	190	116	107	121
Mar-24									
Electricity Network	Port Vila	Luganville	Tanna	Malekula	Port Olry	Talise (Maewo)	Ambae	Vanua Lava	Wintua-Lorlow
Total active customers	17,159	3,777	1,197	1,026	313	200	123	109	121
Apr-24									
Electricity Network	Port Vila	Luganville	Tanna	Malekula	Port Olry	Talise (Maewo)	Ambae	Vanua Lava	Wintua-Lorlow
Total active customers	17,191	3,796	1,199	1,015	313	200	123	109	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 from April 2023 to the reporting month. 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.

Port Olry fuel index significantly increased during the month. Whereas, fuel index for Port Vila, Luganville and Sola & Mosina remained relatively steady.



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.

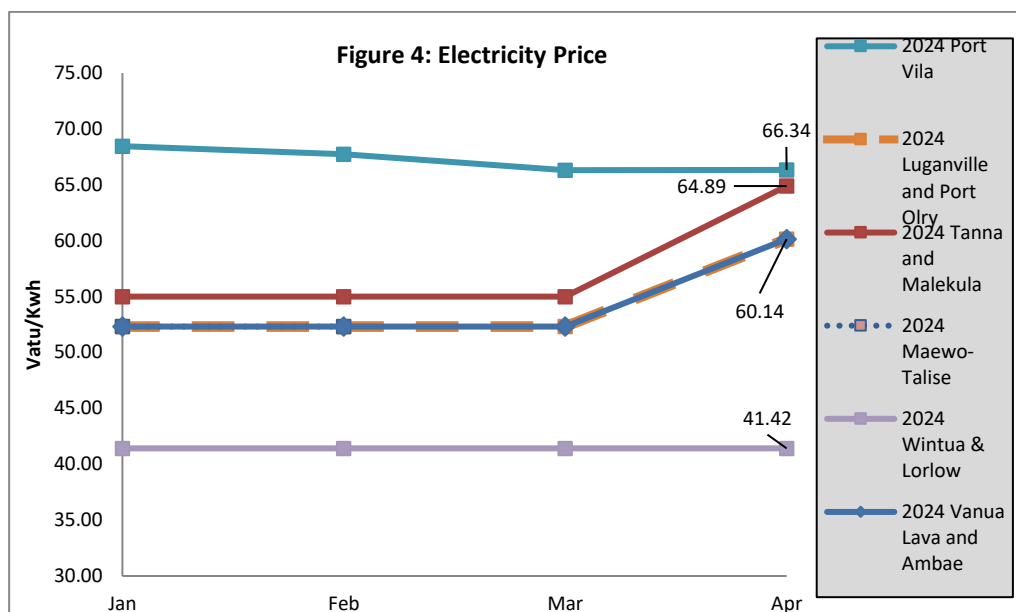
Electricity Price

UNELCO⁴ tariff for the month of April 2024 is 66.34 Vatu/kWh.

VUI⁵, VANPAWA⁶ and the Wintua/Lorlow electrical Cooperative's⁷ tariff applied in Vatu/kWh of the same month is 60.14, 64.89 and 41.42 respectively.

VUI's tariff was revised during the month.

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

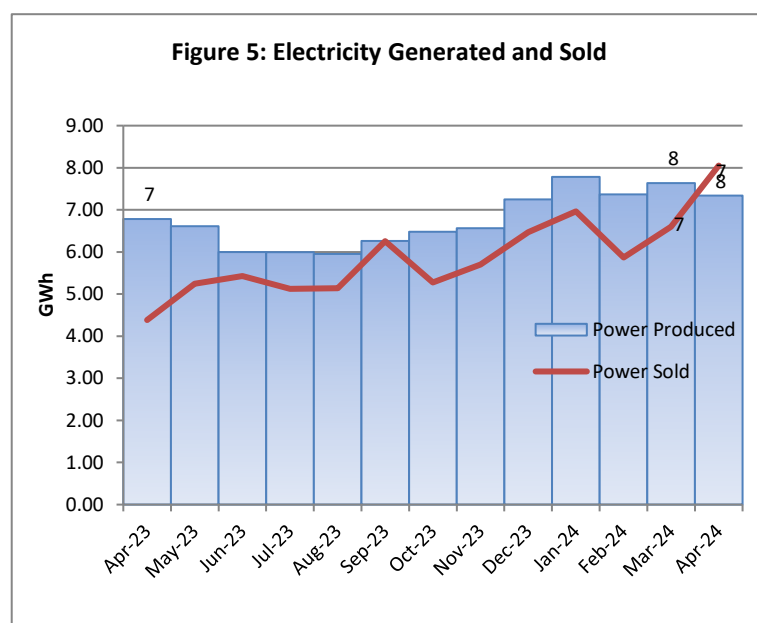


Total Electricity Generated and Sold.

Total power produced decreased by 4.04% from preceding month; Comparing it with the equivalent month in previous calendar year, the total power produced is higher by 7.59%.

However, total power sold during the month has increased by 18.03% from the previous month. Comparing it with the same month in 2023 total power sold had significantly increased by 45.55%.

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



⁴ Union Electrique du Vanuatu, <<UNELCO Engie>>, 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 Talise (Maewo).

⁶ VANPAWA Limited is a newly established electricity operator that supplies electricity in the Tanna and Malekula concessions since May 2023.

⁷ Wintua/Lorlow cooperative is operating the newly established Solar grid at Wintua and Lorlow in Malekula. For more information visit the Department of Energy's website (www.doe.gov.vu)

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 no. 11 of 2007 with amendments.

As part of its functions, the Commission is monitoring the provision of electricity and water by utility companies and public services, promoting access and the long-term interest of the customers.

Please call us if you have any question on (678) 23335 or visit our office at the Office of the Utilities Regulatory Authority, VNPF Compound, Corner 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.