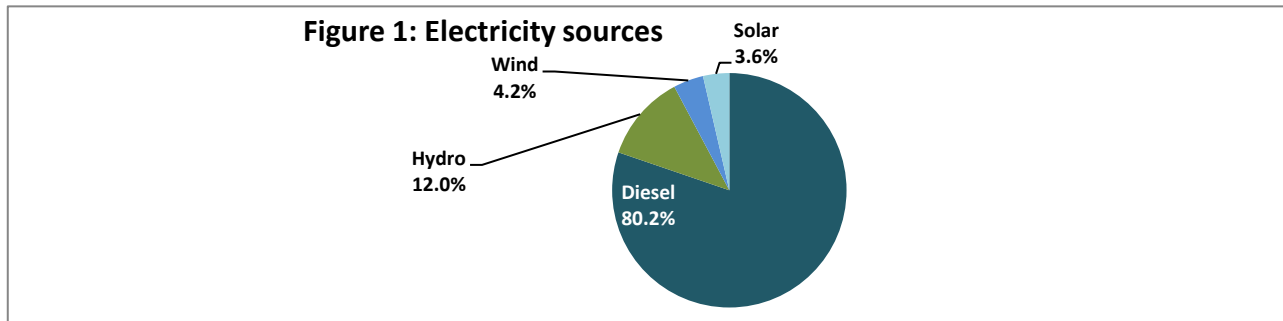




VANUATU MONTHLY ENERGY MARKET SNAPSHOT OF JUNE 2022

Electricity Source

Figure 1 below shows the different types of energy sources used to produce electricity in Vanuatu during the month of June 2022. The main energy source was diesel combustion that contributed 77.8 % of the total electricity produced. The hydro plants at Santo and Maewo (Talise) generated 12.2 % of electricity, Windmills on Efate 6.1 %, while the combined solar panels on Efate, Luganville, Lakatoro and Lenakel contributed 3.8 %.



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 concession areas during the month. The bottom part of the table reveals the respective contribution in % of the available energy generation sources in each concession area¹. Liters of diesel used for the Tanna and Malekula concession areas were estimated due to unavailability of data from the Department of Energy.

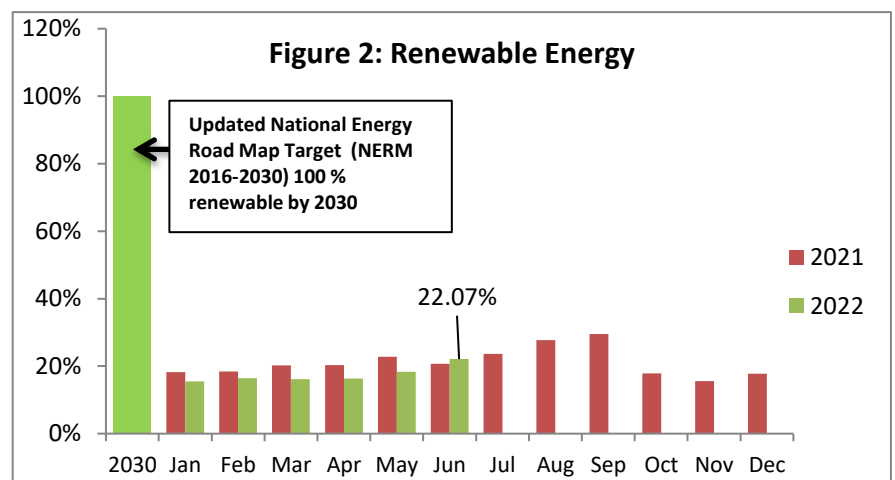
Table 1: Generation Mix by Electricity Grid

Jun-22	Port Vila	Luganville	Malekula- Lakatoro	Tanna	Ambae	Sola	Maewo	Malekula - Lorlow & Wintua	Port Olry
Total kWh Produced	4,817,479	1,050,473	125,702	124,304	12,758	5,787	4,574	-	16,096
Litres of diesel used	1,078,060	84,749	29,346	39,240	-	2,947	-	-	8,600
Diesel %	87.59%	26.61%	99.14%	97.79%	95.89%	100.00%	0.00%	0.00%	100.00%
Copra oil %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Hydro %	0.00%	70.54%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
Wind %	7.69%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Solar %	4.71%	0.33%	0.86%	2.21%	4.11%	0.00%	0.00%	N/A	0.00%

N/A = The Malekula- Wintua and Lorlow data were not available at the time this report was issued.

Renewable Energy Generation

Figure 2 on the right presents the % portion of electricity generated from renewable energy sources² during the month in Vanuatu. The 2021 renewable contributions can be compared with the year-to-date renewable proportions for (YTD) 2022. Furthermore, it provides an overview on where 'Vanuatu renewable electricity generation' stands in concession and mini-grid areas in comparison to the NERM's³ target.



¹ The Department of Energy is currently operating the concession areas of Tanna- Lenakel and Malekula -Lakatoro, while UNELCO is operating the concession area of Port Vila. VUI is operating the concession areas of Luganville, Port Olry, Ambae, Sola and Maewo, while the Wintua and Lorlow grid is operated by the Lakatoro cooperative.

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.

Number of customers

Table 2 outlines number of customers in different concession areas in Vanuatu (See notes for more information on concessionaires).

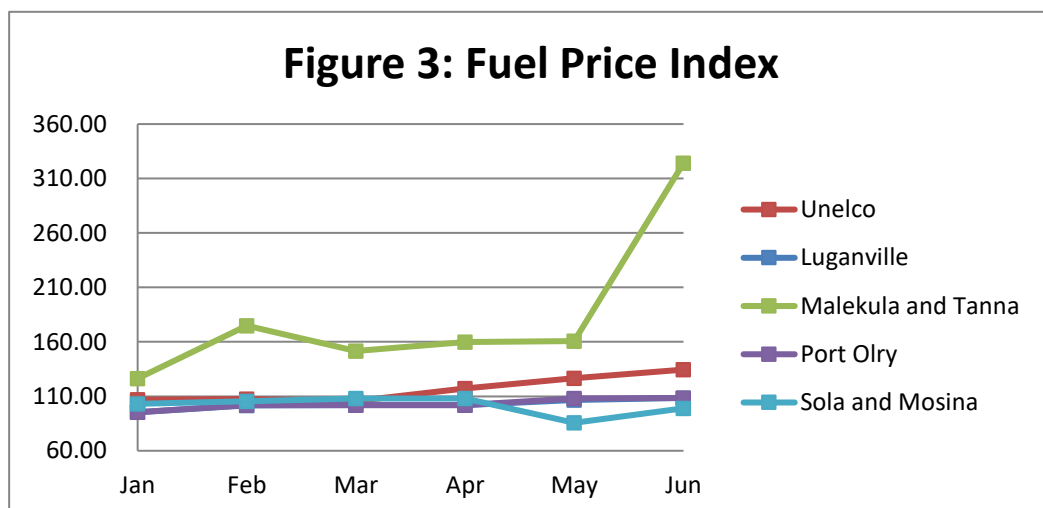
Table 2:

Apr-22									
Customer numbers	Port Vila	Luganville	Tanna*	Malekula*	Port Olry	Talise (Maewo)	Ambae	Vanua Lava	Wintua-Lorlow*
Total active customers	16,346	3,519	1,380	1,232	302	200	65	100	117
May-22									
Customer numbers	Port Vila	Luganville	Tanna*	Malekula*	Port Olry	Talise (Maewo)	Ambae	Vanua Lava	Wintua-Lorlow*
Total active customers	16,359	3,515	1,380	1,232	291	191	67	100	117
Jun-22									
Customer numbers	Port Vila	Luganville	Tanna*	Malekula*	Port Olry	Talise (Maewo)	Ambae	Vanua Lava	Wintua-Lorlow*
Total active customers	16,414	3,550	1,380	1,232	309	190	85	104	117

*The Tanna, Malekula and Wintua- Lorlow customer data are estimated because there are currently no available data provided to the URA. Estimation were based on the last available data provided by the Department of Energy.

Fuel cost index

Figure 3, on the right discloses the fuel price index. It is not showing the price per liter of diesel but the evolution or movement of fuel price in 2022. 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.

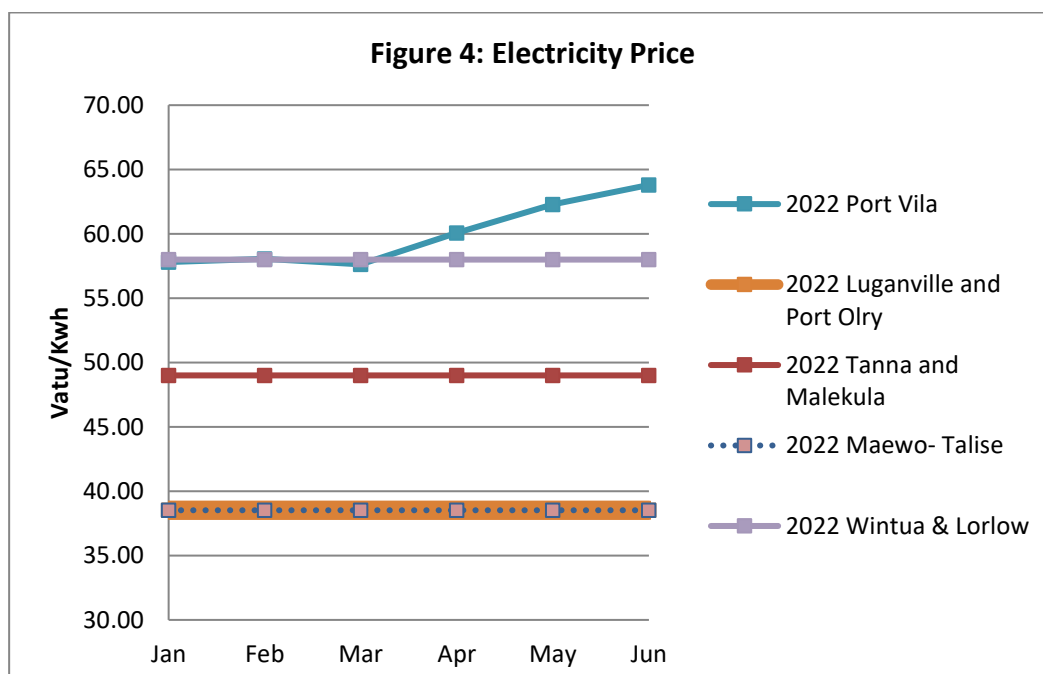


Electricity Price

UNELCO⁴ tariff for the month of June 2022 is 63.80 Vatu/kWh. VUI⁵, DoE⁶ and the Wintua/Lorlow electrical Cooperative's⁷ applicable tariff of the same month is 38.52, 49 and 58 Vatu/kWh respectively.

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

DoE's tariff is fixed at 49.00 VT/kWh since November 2021 after a subsidy was provided by the Vanuatu Government to assist DoE with the operational costs of Tanna and Malekula.



⁴ Union Electrique du Vanuatu Limited, <<UNELCO LIMITED>>, supply electricity in Port Vila

⁵ Vanuatu Utilities Infrastructure supplies electricity in Luganville and Port Olry (Santo), Sola (Banks) and Talise (Maewo).

⁶ The Department of Energy (DoE) supplies electricity in the Tanna and Malekula concessions since mid-July 2020 and has commenced charging tariff in October of 2020.

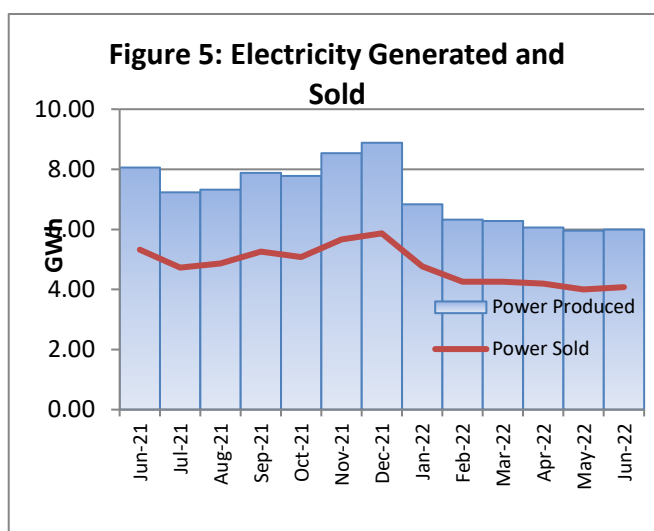
⁷ Lakatoro cooperative is operating the newly established Solar grid at Wintua and Lorlow in Malekula. For more information visit the Department of Energy's website (www.doe.gov.vu)

Total Electricity Generated and Sold⁸ within the concession areas.

Total power produced increased by 0.63 % from preceding month; comparing it with the equivalent month in previous calendar year, the total power generated decreased by 25.6%.

Total power sold during the month increased by 1.8 % from previous month and decreased by 23.4 % for the corresponding month in 2021.

Changes in power produced and sold are entirely dependent on consumption within 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 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.

www.ura.gov.vu

The URA welcomes suggestions and feedbacks from readers of this monthly energy snapshot report. Any readers desiring to seek clarity of this report are encouraged to seek clarity from the URA should they do not understand any part of this report.

⁸ Monthly energy sold in UNELCO's Concessions for the reporting month is estimated based on actual proportion of energy sold to total energy produced in comparable month for the previous calendar year.