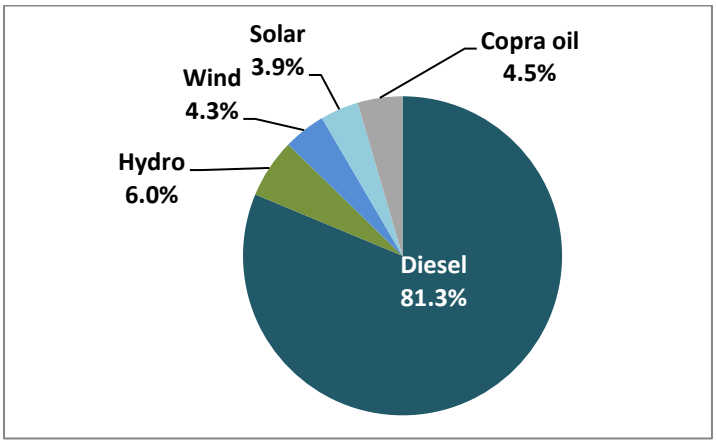
VANUATU MONTHLY ENERGY MARKET SNAPSHOT OF April 2020



Electricity source

The graph on the left shows different types of energy sources used to produce electricity in Vanuatu during the month of April 2020. The main energy source was diesel combustion that contributed 81.3 % of total electricity produced. The hydro in Santo generated 6.0% of electricity, while the copra oil, windmills and Solar panels 4.5 %, 4.3% and 3.9% respectively.

Electricity generation by area

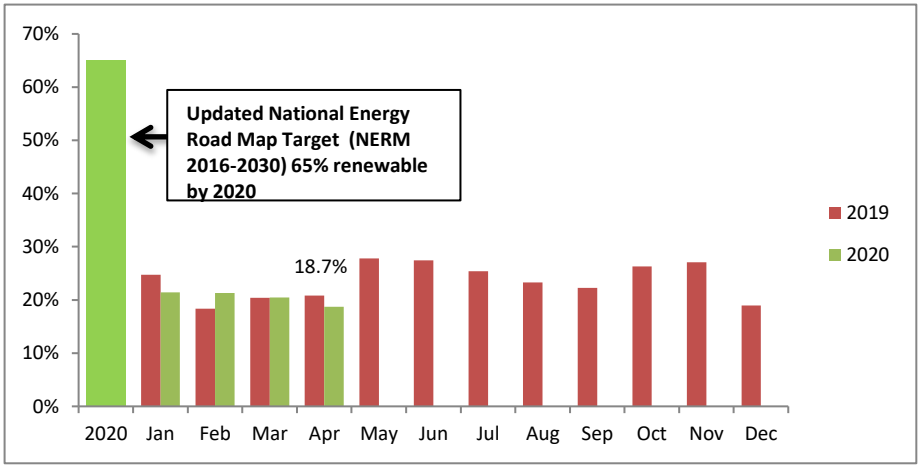
The top part of the table on the right shows the total energy production from all available energy sources and the total quantity of diesel used to generate electricity in each concession areas during the month. The bottom part of the table reveals the respective contribution in % of the available energy generation sources in each concession area.

Apr-20	Port Vila	Luganville*	Malekula	Tanna
Total kWh Produced	4,877,913	452,430	89,899	110,935
Litres of diesel used	1,084,130	41,689	26,217	31,210
Diesel %	85.68%	26.50%	98.22%	97.63%
Copra oil %	5.16%	0.00%	0.00%	0.00%
Hydro %	0.00%	73.32%	0.00%	0.00%
Wind %	4.87%	0.00%	0.00%	0.00%
Solar %	4.29%	0.18%	1.78%	2.37%

**Luganville monthly data includes operations from Port Olry micro-grid since Feb-17 and Sola and Mosina micro-grid since Jan-20 .*

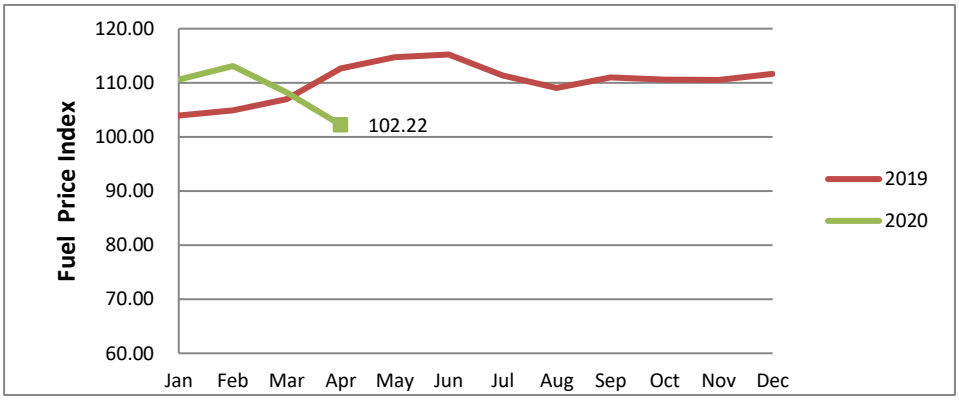
Renewable Energy Generation

The graph on the right presents the % portion of electricity generated from renewable energy sources[1] during the month in Vanuatu. The 2019 renewable contributions can be compared with the year-to-date (YTD) 2020. Furthermore, it provides an overview on where 'Vanuatu renewable electricity generation' stands in comparison to the NERM's[2] target.



Fuel cost index

Graph 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 for 2019 and 2020. The index started with 100pt base in January 2016.

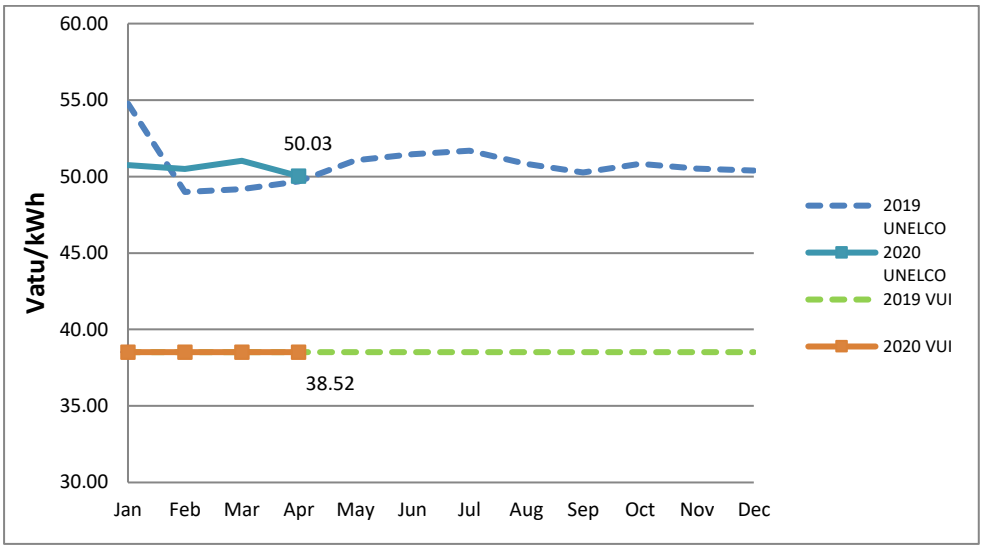


[1] Renewable sources include copra oil, hydro, solar and wind.
[2] Update National Energy Road Map 2016 – 2030. The target by 2020 is 65% generation from renewable energy sources.

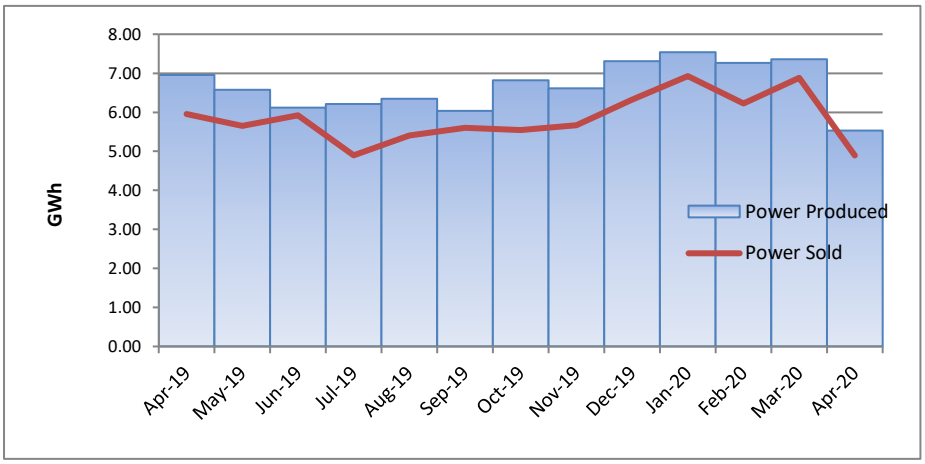
Electricity Price

UNELCO[3] tariff for the month of April 2020 is 50.03 Vatu/kWh. VUI's[4] applicable tariff of April 2020 is 38.52 Vatu/kWh.

UNELCO's actual operational parameters for a reporting month are typically utilized to compute electricity tariff for the following month, for instance the March 2020 parameters were used to determine the April 2020 tariff.



VUI's current tariff will continue to remain constant for this year (2020). This is to allow VUI to transition its operations gradually from an Operation and Maintenace operator, to a fully fledged Concessionaire subsequent to the Concession Deed it signed with the Government on 12th June 2019. Any changes to the current tariff will be subjected to future tariff review.



Total Electricity Generated and Sold[5] within the concession areas.

Total power prodcued decreased by 24.83% from preceding month; comparing it with the equivalent month in previous calendar year, the total power generated decreased by 22.3%. The significant reduction was due to TC Harold impact in Luganville.

Total power sold during the month decreased by 28.9% from previous month and decreased by 26.4% for the corresponding month in 2019.

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

Utilities Regulatory Authority

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.

[3] Union Electrique du Vanuatu Limited, <<UNELCO LIMITED>>, supply electricity in Port Vila, Malekula and Tanna
[4] Vanuatu Utilities Infrastructure, supply electricity in Luganville and Port Olry, Santo
[5] 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.