

STATISTICAL NEWS



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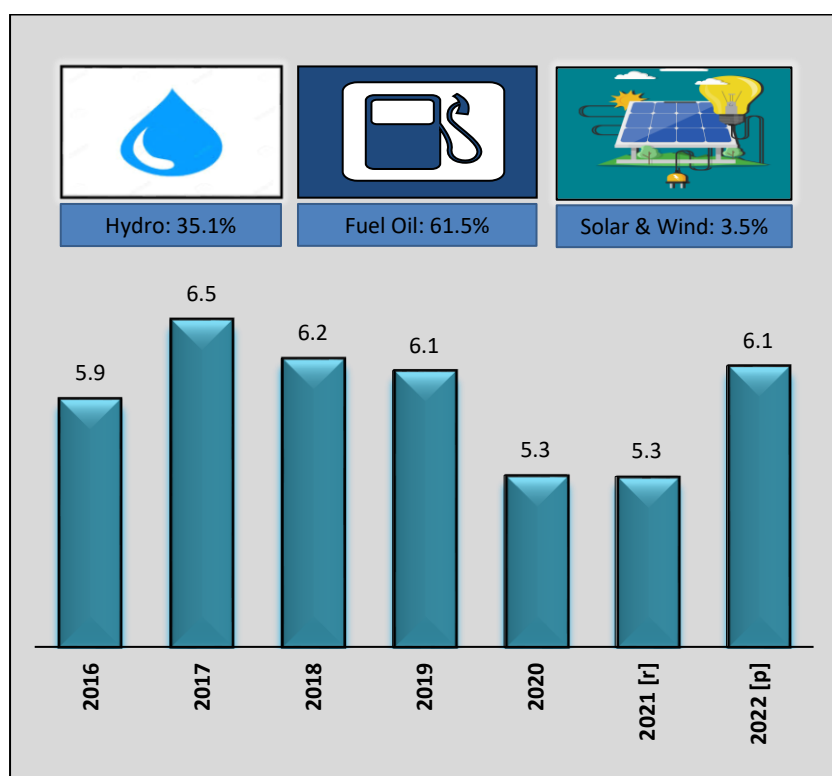
23rd June 2023

Fiji's Experimental Environmental Account for Energy 2022

The environmental account for energy provides a framework for the assessment of energy production and consumption as well as related issues of resource use. This release includes electricity production by Energy Fiji Limited (EFL) and households by source. Data from censuses and surveys have been used to estimate the household electricity generation for households off the EFL grid.

Main Findings

Graph 1: Total Energy Generated [Petajoules]

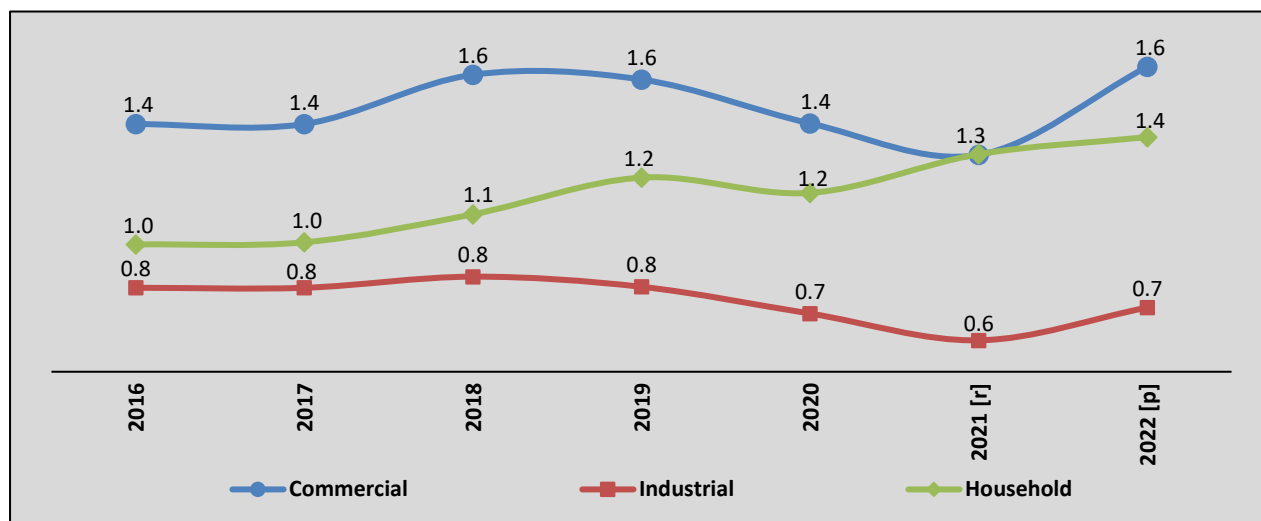


Year	Total Energy Generated [%]	
	EFL	Households
2016	97.1	2.9
2017	97.4	2.6
2018	96.9	3.1
2019	96.9	3.1
2020	96.7	3.3
2021 [r]	95.8	4.2
2022 [p]	95.9	4.1

The total energy generated by EFL and Households (own generation) in 2022 was 6.1 PJ¹. There was an increase of 0.8 PJ when compared to 2021.

¹ Joules is the international standard unit of measurement for energy. Refer to the Technical Notes for the conversion factors.

Graph 2: Energy Usage by customers [Petajoules]



The total energy available for distribution in 2022 was 3.9 PJ, of which 0.2 PJ was lost during distribution leaving 3.7 PJ for consumption.

The commercial sector made up the majority consumption at 41.6 percent, followed by the domestic sector at 35.0 percent and industrial sector at 19.0 percent.

Please find attached the following Appendix for your reference:

- **Appendix 1:** Fiji's Energy Account.

For Technical Notes on Fiji's Energy Account Statistics please refer to -

https://www.statsfiji.gov.fj/images/documents/Economics_Statistics/Annual_Reports/Satellite-Accounts/Technical_Notes_Energy.pdf

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Appendix 1:

**Energy Account 2022
Petajoules [PJ]**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 [r]	2022 [p]
Sources of Energy											
1. Energy Fiji Ltd											
Hydro	1.9	1.9	1.4	1.5	1.8	1.8	2.0	2.0	2.0	2.0	2.2
Solar and wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel oil	2.6	3.1	4.3	4.6	3.9	4.5	4.0	3.9	3.1	3.1	3.7
Total	4.5	5.0	5.8	6.1	5.7	6.3	6.0	5.9	5.1	5.1	5.9
2. Households											
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Fuel oil	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Total*	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Total Energy generated (EFL & Households)	4.7	5.1	5.9	6.3	5.9	6.5	6.2	6.1	5.3	5.3	6.1
Less losses during transformation	1.7	1.9	2.7	2.9	2.4	2.8	2.4	2.3	1.9	1.9	2.3
Total Energy Available for distribution	3.0	3.2	3.2	3.3	3.5	3.7	3.7	3.8	3.4	3.4	3.9
Commercial	1.2	1.3	1.3	1.4	1.4	1.4	1.6	1.6	1.4	1.3	1.6
Industrial	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.7
Domestic	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4
Loss during distribution	0.3	0.3	0.2	0.2	0.3	0.5	0.2	0.2	0.2	0.2	0.2
Returns to the environment	4.7	5.1	5.9	6.3	5.9	6.5	6.2	6.1	5.3	5.3	6.1
% of energy loss during transformation	35.7	37.7	46.0	46.7	41.2	43.1	39.5	37.4	35.2	36.5	37.1
% of energy loss during distribution	5.5	5.4	3.9	3.8	5.0	7.9	4.0	3.9	3.2	3.2	2.7

* Any discrepancy in totals and sum of components are due to rounding.

Note: This is a simplified version of the energy account, the SEEA Conceptual Framework Version of the Energy Account i.e. inclusive of the Physical Supply and Use Tables is available on the website. <https://www.statsfiji.gov.fj/images/documents/Releases/TSA/Energy-Supply-and-Use.xlsx>.