MINISTRY OF SCIENCE, ENERGY AND TECHNOLOGY

National Energy Balance - 2021

Thousand of Barrels of Oil Equivalent (KBOE)

Source / Flow	Coal	Natural Gas	Crude Oil	Petroleum Products							Renewables									Electricity	Total
				Gasoline	Diesel Oil	Turbo, Aviation, Jet Fuel Kerosene	Fuel Oil	LPG	Feed stock	Other Non-Energy Products	Total Petroleum Products	Firewood	Charcoal	Bagasse	Biogas	Hydro	Wind	Solar (PV)	Geo-thermal	Total R.E.		
1.0 Primary Energy Requirements																					
1.1 Local production												500.0	820.0	266.0	0.0	86.0	163.0	82.0	0.0	**1,917.0**	**331.0**	**1,917.0**
1.2 Imports	427	4,284	8,186	2901.0	2132.0	571.0	2336.0	732.0	0.0	0.0	8,672.0											**21,569.0**
1.3 Re-exports and bunkering				0.0	(439.6)	(755.0)	(3,315.0)	0.0	0.0	6.0	(4,503.6)											**(4,503.6)**
1.4 International Bunkering																						**0.0**
1.5 Stock change / Statistical error	70	(15.8)	1	138.0	(32.0)	(27.0)	(324.0)	1.0		10.7	(233.3)											**(233.3)**
Total Primary Energy Supply	**497.0**	**4,268.2**	**8,186.5**	**3,039.0**	**1,660.4**	**(211.0)**	**(1,303.0)**	**733.0**	**0.0**	**16.7**	**3,935.1**	**500.0**	**820.0**	**266.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1,586.0**	**331.0**	**18,803.8**
SHARE (%)	**2.6%**	**22.7%**	**43.5%**								**20.9%**									**8.4%**	**1.8%**	**100%**
2.0 Transformation Sector																						
2.1 Electric Generation																						
2.1.1 Public Utility (JPS)		(929.7)			(131.0)		(466.0)				(597.0)										688.0	**(838.7)**
2.1.2 IPP's		(2,798.7)			(95.0)		(1,074.0)				(1,169.0)										1,894.0	**(2,073.7)**
2.1.3 Other Self Generation											0.0											
2.2 Oil Refinery			(7,762.0)	866.0	1,142.0	241.0	4,491.0	32.0	0.0	71.0	6,843.0											
2.3 Conversion Losses		(21.8)	(183.0)								0.0		(697.0)						0.0	**0.0**	0.0	**(183.0)**
2.4 Power plant's own use			(241.5)								0.0										(35.8)	**(277.3)**
2.5 T&D Losses											0.0										(732.0)	**(732.0)**
Net Available for Final Consumption	**497.0**	**518.0**	**0.0**	**3,905.0**	**2,576.4**	**30.0**	**1,648.0**	**765.0**	**0.0**	**87.7**	**9,012.1**	**500.0**	**123.0**	**266.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1,255.0**	**2,145.3**	**13,427.4**
3.0 Final Consumption by Sector																						
3.1 Transport Sector																						
3.1.1 Road & Rail				3,872.0	2,234.6		70.0			87.7	**6,264.3**											**6,264.3**
3.1.2 Shipping (local)					113.0		295.1				**408.1**											**408.1**
3.1.3 Aviation (local)						4.0					**4.0**											**4.0**
3.2 Manufacturing Sector											**0.0**											**0.0**
3.2.1 Cement Production	497.0				1.0		12.9				**13.9**										64.0	**574.9**
3.2.2 Bauxite/Alumina Processing		226.7		0.1	116.0		1,199.0				**1,315.1**										456.0	**1,997.8**
3.2.3 Sugar Manufacturing				0.9	12.0		5.0				**17.9**			266.0						266.0	111.9	**395.8**
3.2.4 Other Manufacturing		291.3		20.0	22.1		16.0				**58.1**									0.0	54.0	**403.4**
3.3 Residential				8.0	33.0	26.0	0.0	451.0			**518.0**	290.0	97.3							387.3	674.0	**1,579.3**
3.4 Commercial				4.0	27.7			314.0			**345.7**	210.0	25.8							235.8	773.0	**1,354.5**
3.5 Other					17.0		50.0				**67.0**									366.0	12.4	**445.4**
Total Final Consumption	**497.0**	**518.0**	**0.0**	**3,905.0**	**2,576.4**	**30.0**	**1,648.0**	**765.0**	**0.0**	**87.7**	**9,012.1**	**500.0**	**123.1**	**266.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1,255.1**	**2,145.3**	**13,427.5**

Note: 1) Total Final Consumption does not include Item 1.3 "Re- exports and bunkering" which relate to International shipping and aviation.

2) Figures exclude barrels of oil equivalents for self-generation plants.

3) Firewood and Charcoal estimates updated based on the Fuelwood Demand, Supply & Potentials Study (2014) by energy Consulting Services SA for PCJ.

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Sources: Petrojam, JPS, IPPs, Self-Generators, Marketing Companies