MINISTRY OF SCIENCE, ENERGY, TELECOMMUNICATIONS AND TRANSPORT

NATIONAL ENERGY BALANCE - 2022

in Thousand of Barrels of Oil Equivalent (KBOE)

SOURCE / FLOW	COAL	NATURAL GAS	CRUDE OIL	PETROLEUM PRODUCTS							RENEWABLES									ELECTRICITY (2)	TOTAL	SHARE (%)
				GASOLINE	DIESEL OIL	TURBO, AVIATION JET FUEL, KEROSENE	FUEL OIL	LPG	OTHER NON-ENERGY PRODUCTS	TOTAL PETROLEUM PRODUCTS	FIREWOOD (3)	CHARCOAL (3)	BAGASSE	BIOGAS	HYDRO	WIND	SOLAR PV (4)	GEO-THERMAL	TOTAL R.E.			
1.0 PRIMARY ENERGY REQUIREMENTS																						
1.1 Local production											500.0	820.0	202.0	18.0	71.0	163.0	128.5	0.0	**1,902.5**	**362.5**	**1,902.5**	**9.2%**
1.2 Imports	444	4,034	7,118	3,693.0	2,559.0	1,426.0	2,676.0	870.0	22.0	**11,246.0**											**22,842.0**	
1.3 Re-exports and bunkering				0.0	(444.0)	(1,431.0)	(2,580.0)	0.0	6.0	**(4,449.0)**											**(4,449.0)**	**90.8%**
1.4 International Bunkering																					**0.0**	
1.5 Stock change / Statistical error	(28)	11.0	0.5	138.0	(49.0)	45.5	174.0	(1.0)	11.0	**318.5**											**302.0**	
TOTAL PRIMARY ENERGY SUPPLY	**416.0**	**4,045.0**	**7,118.5**	**3,831.0**	**2,066.0**	**40.5**	**270.0**	**869.0**	**39.0**	**7,115.5**	**500.0**	**820.0**	**202.0**	**18.0**	**71.0**	**163.0**	**128.5**	**0.0**	**1,902.5**	**362.5**	**20,597.5**	**100%**
SHARE (%)	**2.0%**	**19.6%**	**34.6%**							**34.5%**									**9.2%**		**100%**	
2.0 TRANSFORMATION SECTOR																						
2.1 Electric Generation																						
2.1.1 Public Utility (JPS)		(711.9)			(478.0)		(380.0)			**(858.0)**									**0.0**	615.5	(954.4)	
2.1.2 IPP's		(2,640.3)			(2.0)		(1,417.0)			**(1,419.0)**									**(362.5)**	1,879.4	97.9	
2.1.3 Other Self Generation										**0.0**									**0.0**	0.0	0.0	
2.2 Oil Refinery			(7,118.0)	792.0	1,049.0	235.0	4,501.0	33.0	71.0	**6,681.0**									**0.0**	0.0	0.0	
2.3 Conversion Losses		(10.8)	(159.0)							**0.0**		(697.0)		(1.3)					**(698.3)**	0.0	(857.3)	
2.4 Power plant's own use			(209.6)							**0.0**									**0.0**	(4.5)	(4.5)	
2.5 T&D Losses																			**0.0**	(777.3)	(777.3)	
NET AVAILABLE FOR FINAL CONSUMPTION	**416.0**	**682.0**	**0.0**	**4,623.0**	**2,635.0**	**275.5**	**2,974.0**	**902.0**	**110.0**	**11,519.5**	**500.0**	**123.0**	**202.0**	**16.7**	**0.0**	**0.0**	**0.0**	**0.0**	**841.7**	**2,075.7**	**15,534.9**	
3.0 FINAL CONSUMPTION BY SECTOR																						
3.1 Transport Sector																						
3.1.1 Road & Rail				4,419.0	2,285.0		105.2		110.0	**6,919.2**										**0.0**	6,919.2	44.5%
3.1.2 Shipping (local)					116.4		443.4			**559.7**										**0.0**	559.7	3.6%
3.1.3 Aviation (local)						78.5				**78.5**										**0.0**	78.5	0.5%
3.2 Manufacturing Sector										**0.0**										**0.0**	0.0	0.0%
3.2.1 Cement Production	416.0				1.0		19.8			**20.8**										**55.6**	492.5	3.2%
3.2.2 Bauxite/Alumina Processing		0.0		0.4	119.4		2,299.0			**2,418.8**										**396.5**	2,815.3	18.1%
3.2.3 Sugar Manufacturing				5.6	12.4		7.5			**25.4**			202.0						**202.0**	**0.0**	227.4	1.5%
3.2.4 Other Manufacturing		7.2		123.8	22.8		24.0			**170.6**									**0.0**	**268.9**	446.7	2.9%
3.3 Residential		0.0		49.5	34.0	197.0	0.0	531.0		**811.5**	290.0	97.3		16.7					**404.0**	**586.0**	1,801.5	11.6%
3.4 Commercial (4)		674.8		24.8	27.0		0.0	371.0		**422.8**	210.0	25.7							**235.7**	**768.7**	2,101.9	13.5%
3.5 Other		0.0			17.0		75.1			**92.1**									**0.0**	**0.0**	92.1	0.6%
TOTAL FINAL CONSUMPTION (1)	**416.0**	**682.0**	**0.0**	**4,623.0**	**2,635.0**	**275.5**	**2,974.0**	**902.0**	**110.0**	**11,519.5**	**500.0**	**123.0**	**202.0**	**16.7**	**0.0**	**0.0**	**0.0**	**0.0**	**841.7**	**2,075.7**	**15,534.9**	**100%**

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

2) Figures exclude barrels of oil equivalents for off-grid 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.

4) Licenced Net Billing and other arrangements at the Distribution level are included.

Prepared by the Ministry of Science, Energy, Telecommunications and Transport

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Data Sources: Petrojam Limited, Jamaica Public Service Company Limited, Independent Power Producers, Net Billing Self-Generators, Marketing Companies, Caribbean Cement Company, New Fortress Energy, Eagle Liquefied Natural Gas (LNG) and others