MINISTRY OF SCIENCE, ENERGY, TELECOMMUNICATIONS AND TRANSPORT

NATIONAL ENERGY BALANCE - 2020

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	GEO-THERMAL	TOTAL R.E.			
1.0 PRIMARY ENERGY REQUIREMENTS																						
1.1 Local production											500.0	820.0	266.0	0.0	84.0	174.0	23.0	0.0	**1,867.0**	**281.0**	**1,867.0**	**10.5%**
1.2 Imports	427	4,163	7,989	2,280.0	2,018.0	281.0	3,228.0	660.0	14	8,481.0											**21,060.0**	**89.5%**
1.3 Re-exports and bunkering				0	(520)	(544)	(4,160)	0	10.00	(5,214.0)											**(5,214.0)**	
1.4 International Bunkering																					**0.0**	
1.5 Stock change / Statistical error	70.1	(24.5)		(23.8)	18.0		0.6	(5.0)	10.7	0.5											**46.1**	
TOTAL PRIMARY ENERGY SUPPLY	**497.1**	**4,138.5**	**7,989.0**	**2,256.2**	**1,516.0**	**(263.0)**	**(931.4)**	**655.0**	**34.7**	**3,267.5**	**500.0**	**820.0**	**266.0**	**0.0**	**84.0**	**174.0**	**23.0**	**0.0**	**1,867.0**	**281.0**	**17,759.1**	**100%**
SHARE (%)	**2.8%**	**23.3%**	**45.0%**							**18.4%**									**10.5%**		**100%**	
2.0 TRANSFORMATION SECTOR																						
2.1 Electric Generation																						
2.1.1 Public Utility (JPS)		(1,144.8)			(282.6)		(775.0)			(1,057.6)										1,517.0	**(685.4)**	
2.1.2 IPP's		(2,543.4)			(3.0)		(955.0)			(958.0)									**(281.0)**	1,230.0	**(2,271.4)**	
2.1.3 Other Self Generation										0.0											**0.0**	
2.2 Oil Refinery			(7,480.0)	1,001.0	1,382.0	295.0	5,182.0	72.0	72.0	8,004.0											**0.0**	
2.3 Conversion Losses		(59.6)	(183.0)							0.0		(697.0)						0.0	**(697.0)**	0.0	**(939.6)**	
2.4 Power plant's own use			(326.0)							0.0										(36.8)	**(36.8)**	
2.5 T&D Losses - JPS										0.0										(712.2)	**(712.2)**	
NET AVAILABLE FOR FINAL CONSUMPTION	**497.2**	**390.7**	**0.0**	**3,257.2**	**2,612.4**	**32.0**	**2,520.6**	**727.0**	**106.7**	**9,255.9**	**500.0**	**123.0**	**266.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**889.0**	**2,279.0**	**13,311.8**	
3.0 FINAL CONSUMPTION BY SECTOR																						
3.1 Transport Sector																						
3.1.1 Road & Rail				3,158.0	2,024.0		90.0		106.7	**5,378.7**											**5,378.7**	**40.4%**
3.1.2 Shipping (local)					113.0		922.8			**1,035.8**											**1,035.8**	**7.8%**
3.1.3 Aviation (local)						4.0				**4.0**											**4.0**	**0.0%**
3.2 Manufacturing Sector										**0.0**											**0.0**	**0.0%**
3.2.1 Cement Production	497.2				1.0		15.0			**16.0**										435.0	**948.2**	**7.1%**
3.2.2 Bauxite/Alumina Processing		178.0			109.7		1,362.0			**1,471.7**										302.0	**1,951.7**	**14.7%**
3.2.3 Sugar Manufacturing		0.0		1.2	10.0		3.5			**14.7**			266.0						266.0	113.0	**393.7**	**3.0%**
3.2.4 Other Manufacturing		212.7		30.7	240.0		70.0			**340.7**									0.0	48.4	**601.8**	**4.5%**
3.3 Residential				10.2	33.0	28.0	0.0	604.0		**675.2**	290.0	97.3							387.3	705.0	**1,767.5**	**13.3%**
3.4 Commercial		0.0		42.2	27.7			123.0		**192.9**	210.0	25.7							235.7	658.1	**1,086.7**	**8.2%**
3.5 Other				14.9	54.0		57.3			**126.2**									0.0	17.5	**143.7**	**1.1%**
TOTAL FINAL CONSUMPTION (1)	**497.2**	**390.7**	**0.0**	**3,257.2**	**2,612.4**	**32.0**	**2,520.6**	**727.0**	**106.7**	**9,255.9**	**500.0**	**123.0**	**266.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**889.0**	**2,279.0**	**13,311.8**	**100%**

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.

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 LNG and others