



National Energy Balance

Year: 2024

Caloric Units: Thousand of Barrels of Oil Equivalent (KBOE)

Source Flow	COAL	NATURAL GAS	CRUDE OIL	PETROLEUM PRODUCTS								TOTAL PETROLEUM PRODUCTS	RENEWABLES								ELECTRICITY	HEAT	TOTAL	
				GASOLINE	DIESEL OIL	TURBO, AVIATION, JET FUEL, KEROSENE	FUEL OIL	LPG	PETCOKE	WASTE OIL	OTHER NON-ENERGY PRODUCTS		FIREWOOD	CHARCOAL	BAGASSE	BIOGAS	LIQUID BIOFUELS	HYDRO	WIND	SOLAR (PV)				TOTAL R.E.
1.0 PRIMARY ENERGY REQUIREMENTS																								
1.1 LOCAL PRODUCTION													500.0	820.0	184.6	18.0	239.1	72.1	127.6	118.1	2,079.4	317.7		2,079.4
1.2 IMPORTS	181.5	4,569.0	6,320.4	3,724.0	1,903.2	1,320.7	1,076.4	902.0	263.9	0.0	65.0	9,255.2									0.0			20,326.1
1.3 RE-EXPORTS AND BUNKERING				(106.7)	(572.2)	(1,554.7)	(2,201.7)	0.0	0.0		2.2	(4,433.1)									0.0			(4,433.1)
1.4 INTERNATIONAL BUNKERING																					0.0			0.0
1.5 STOCK CHANGE	(74.7)	3.2	(486.3)	11.2	32.7	98.6	26.9	1.0	201.6		2.3	374.4					14.1				14.1			(169.3)
1.6 STATISTICAL ERROR	(12.7)	(6.5)	0.01	7.6	3.6	(1.1)	3.0	(2.3)	(28.8)		0.3	(17.8)									0.0			(36.9)
TOTAL PRIMARY ENERGY SUPPLY	94.0	4,565.8	5,834.1	3,636.1	1,367.3	(136.6)	(1,095.3)	900.7	436.8	0.0	69.8	5,178.8	500.0	820.0	184.6	18.0	253.2	72.1	127.6	118.1	2,093.5	317.7	0.0	17,766.2
SHARE (%)	0.5%	25.7%	32.8%									29.1%									11.8%			100%
2.0 Transformation Sector																								
2.1 ELECTRIC GENERATION																								
2.1.1 PUBLIC UTILITY (JPS)		(1,040.0)			(132.3)		(327.0)					(459.2)					(72.1)				(72.1)	679.0		(892.3)
2.1.2 IPP's		(3,043.0)			(2.9)		(1,498.9)					(1,501.8)						(127.6)	(83.6)		(211.2)	2,076.0	86.9	(2,593.2)
2.1.3 OTHER SELF GENERATION							(70.4)					(70.4)									0.0	101.4		31.0
2.2 OIL REFINERY			(5,834.1)	881.7	855.9	146.1	3,791.0	37.8			70.4	5,782.9									0.0	0.0		(51.2)
2.3 CONVERSION LOSSES		(12.3)		(48.7)	(28.4)			(3.5)				(80.5)		(697.0)		(1.3)					(698.3)	0.0		(791.2)
2.4 POWER PLANT'S OWN USE				(102.3)			(61.4)	(7.3)				(171.0)									0.0	(6.1)		(177.1)
2.5 T&D LOSSES												0.0									0.0	(737.5)		(737.5)
2.6 WASTE OIL RECOVERY										41.5		41.5									0.0	0.0		41.5
NET AVAILABLE FOR FINAL CONSUMPTION	94.0	470.4	0.0	4,366.9	2,059.6	9.5	738.0	927.8	436.8	41.5	140.2	8,720.2	500.0	123.0	184.6	16.7	253.2	0.0	0.0	34.4	1,111.9	2,112.8	86.9	12,596.4
3.0 FINAL CONSUMPTION BY SECTOR																								
3.1 TRANSPORT SECTOR																								
3.1.1 ROAD & RAIL				4,111.8	1,849.3						140.0	6,101.1					253.2				253.2	0.0		6,354.3
3.1.2 SHIPPING (LOCAL)					3.6		126.1					129.7									0.0	0.0		129.7
3.1.3 AVIATION (LOCAL)						2.3						2.3									0.0	0.0		2.3
3.2 MANUFACTURING SECTOR																								
3.2.1 CEMENT PRODUCTION	94.0				0.4		7.8		436.8	41.5		486.5									0.0	58.3		638.8
3.2.2 BAUXITE/ALUMINA PROCESSING		5.5		10.4	49.8		574.1					634.2									0.0	76.3	86.9	803.0
3.2.3 SUGAR MANUFACTURING				0.4	10.2		6.2				0.2	17.0			184.6						184.6	0.0		201.6
3.2.4 OTHER MANUFACTURING				119.2	11.4		1.9					132.5									0.0	418.8		551.2
3.3 RESIDENTIAL				10.7	0.5	7.2		547.4				565.9	290.0	97.3		16.7				20.7	424.7	689.2		1,679.8
3.4 COMMERCIAL		464.9		114.3	39.9		7.8	380.4				542.4	210.0	25.7						13.8	249.5	847.2		2,103.9
3.5 OTHER					94.5		14.2					108.7									0.0	23.1		131.8
Total Final Consumption	94.0	470.4	0.0	4,366.9	2,059.6	9.5	738.0	927.8	436.8	41.5	140.2	8,720.3	500.0	123.0	184.6	16.7	253.2	0.0	0.0	34.4	1,111.9	2,112.8	86.9	12,596.4

Notes: 1) Total Final Consumption does not include Item 1.3 "Re- exports and bunkering" which relate to International shipping and aviation.
2) Figures include barrel of oil equivalent estimates for off-grid self-generation plants.
3) Firewood and Charcoal estimates are based on the Fuelwood Demand, Supply & Potentials Study (2014) by energy Consulting Services SA for the Petroleum Corporation of Jamaica (PCJ).
4) Renewable energy estimates for licenced Net Billing and other arrangements at the distribution level are included.
5) The energy resources for cement production included coal, petcoke, diesel oil, fuel oil and waste oil.

Sources: MSETT, Petrojam, JPS, IPPs, Self-Generators, Marketing Companies, Caribbean Cement Company, New Fortress Energy, Eagle LNG and others.