

## JAMAICA ENERGY STATISTICS 2020

Petroleum Imports	Table 1
Petroleum Consumption by Activity	Table 2
Petroleum Consumption by Product	Table 3
Petroleum Prices	Table 4
Petroleum Exports	Table 5
Petroleum Production (Petrojam)	Table 6
Alternative Energy Consumption	Table 7
Electricity Statistics	Table 8

**TABLE 1 TOTAL PETROLEUM IMPORTS ( 2016 - 2020)**

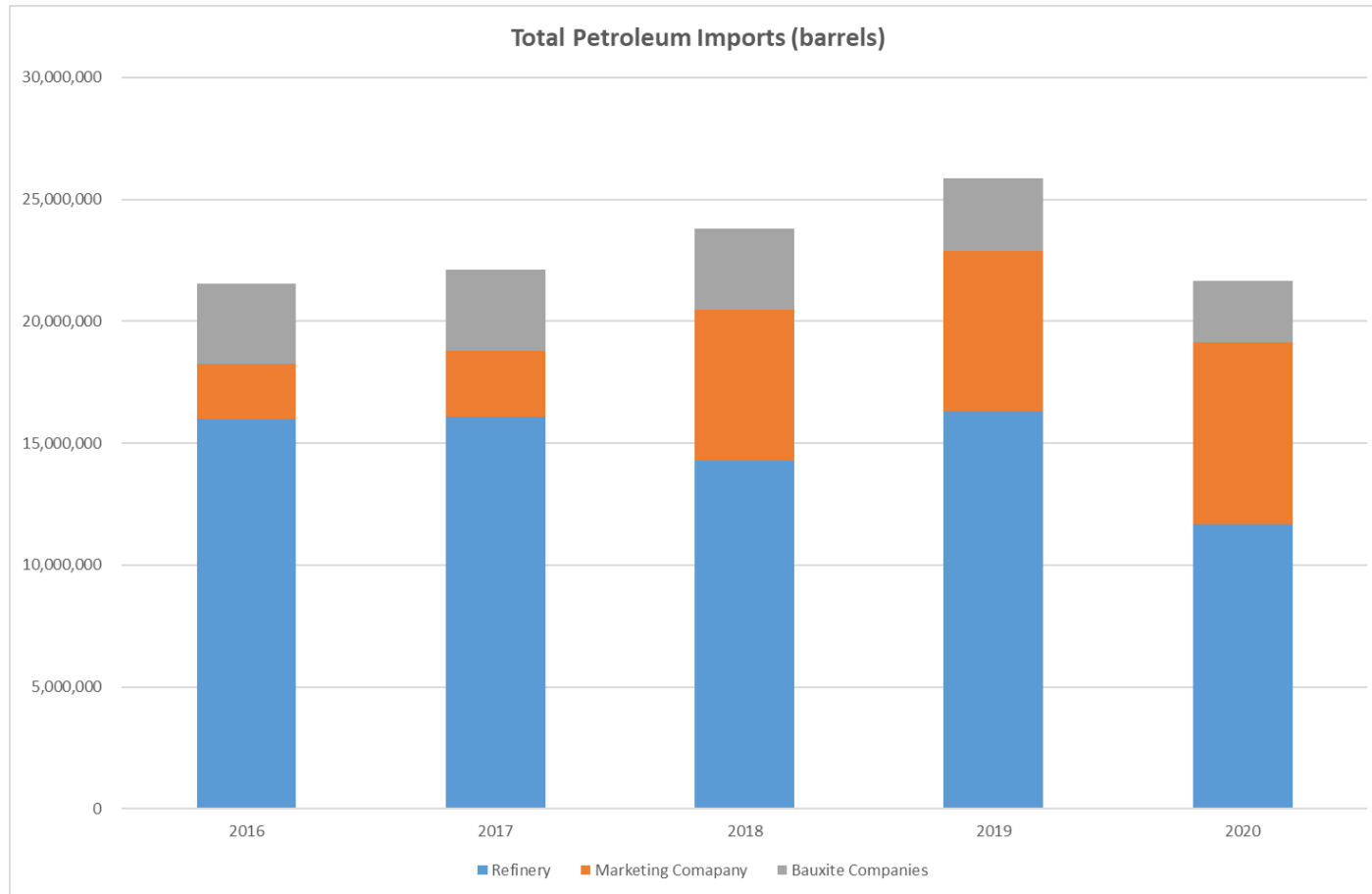
REFINERY	2016		2017		2018		2019r		2020p	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
	(Bls)	(US\$)	(Bls)	(US\$)	(Bls)	(US\$)	(Bls)	(US\$)	(Bls)	(US\$)
<i>Crude</i>	7,815,730	320,258,634	7,334,365	392,680,911	7,452,579	516,496,439	9,568,843	617,574,942	7,977,310	380,099,717
<i>Refined Products</i>	7,834,693	379,574,348	8,340,690	508,427,204	6,494,156	510,040,175	6,330,528	457,805,461	3,349,146	168,693,852
<i>Anhydrous</i>	345,261	26,263,505	381,904	29,189,973	333,758	23,834,719	391,658	30,057,211	336,755	22,128,278
<i>Sub - Total</i>	15,995,684	726,096,487	16,056,959	930,298,088	14,280,493	1,050,371,333	16,291,029	1,105,437,614	11,663,211	570,921,848
<b><u>MARKETING COMPANIES</u></b>										
<i>Refined Products</i>	2,056,274	149,712,495	1,550,630	121,075,464	4,702,409	397,800,724	4,643,855	352,830,328	3,225,661	214,705,877
<i>Anhydrous</i>	-	-	-	-	65,079	8,877,534	22,704	2,582,022	88,435	9,280,209
<i>Sub - Total</i>	2,056,274	149,712,495	1,550,630	121,075,464	4,767,488	406,678,258	4,666,559	355,412,350	3,314,096	223,986,086
<b><u>BAUXITE COMPANIES</u></b>										
<i>Bunker C</i>	1,664,084	57,524,720	1,176,915	59,367,993	1,253,126	80,329,056	902,596	46,499,679	1,248,180	38,583,484
<i>Low Vanadium</i>	1,524,744	42,489,240	2,023,098	95,470,447	1,973,188	122,777,034	2,079,050	111,642,032	1,252,695	47,764,731
<i>Sub - Total</i>	3,320,139	108,750,976	3,318,995	163,686,958	3,310,465	211,075,149	2,981,646	158,141,711	2,500,875	86,348,215
<b>NON - BAUXITE TOTAL</b>	18,051,958	875,808,982	17,607,588	1,051,373,551	19,047,981	1,457,049,591	20,957,588	1,460,849,964	14,977,307	794,907,934
<b>TOTAL Petroleum</b>	<b>21,372,097</b>	<b>984,559,958</b>	<b>20,926,583</b>	<b>1,215,060,509</b>	<b>22,358,446</b>	<b>1,668,124,740</b>	<b>23,939,234</b>	<b>1,618,991,674</b>	<b>17,478,182</b>	<b>881,256,149</b>
<b>Natural Gas</b>	<b>190,528</b>	<b>11,552,070</b>	<b>1,196,063</b>	<b>73,983,849</b>	<b>1,438,710</b>	<b>88,378,360</b>	<b>1,930,682</b>	<b>108,533,877</b>	<b>4,163,508</b>	<b>192,731,825</b>
<b>Grand Total</b>	<b>21,562,625</b>	<b>996,112,028</b>	<b>22,122,646</b>	<b>1,289,044,358</b>	<b>23,797,157</b>	<b>1,756,503,100</b>	<b>25,869,916</b>	<b>1,727,525,551</b>	<b>21,641,689</b>	<b>1,073,987,974</b>

Note:

p - preliminary

r= revised

SOURCE: Petrojam Ltd, Marketing Companies and Bauxite Companies



Prepared by the Energy Economics and Planning Unit, Energy Division  
Ministry of Science, Energy and Technology

**TABLE 2 PETROLEUM CONSUMPTION BY ACTIVITY****2016 - 2020 (barrels)**

<b>Activities</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019r</b>	<b>2020p</b>
<b>Road &amp; Rail Transportation</b>	6,356,077	6,238,758	6,782,276	7,117,870	6,391,072
<b>Shipping</b>	1,839,136	2,038,265	3,026,620	3,870,101	4,049,863
<b>Aviation</b>	2,680,350	1,707,883	1,757,129	1,724,051	612,512
<b>Cement Manufacturing</b>	22,335	44,199	34,874	12,483	15,952
<b>Electricity Generation</b>	5,634,458	6,242,217	6,149,338	6,400,280	5,963,625
<b>Bauxite/Alumina Processing</b>	2,825,028	2,868,898	3,034,335	2,915,147	2,372,704
<b>Sugar Manufacturing</b>	15,815	16,576	27,734	20,040	14,223
<b>Cooking and Lighting</b>	1,085,692	1,160,873	1,158,915	1,200,400	1,097,230
<b>Other Manufacturing</b>	17,162	20,829	22,589	52,262	38,558
<b>Other</b>	128,834	124,629	136,132	94,299	43,999
<b>TOTAL</b>	<b>20,604,886</b>	<b>20,463,127</b>	<b>22,129,943</b>	<b>23,406,935</b>	<b>20,599,737</b>
<b>Petroleum Refinery</b>	<b>333,916</b>	<b>364,419</b>	<b>333,307</b>	<b>346,477</b>	<b>317,698</b>
<b>GRAND TOTAL</b>	<b>20,938,802</b>	<b>20,827,546</b>	<b>22,463,250</b>	<b>23,753,412</b>	<b>20,917,435</b>

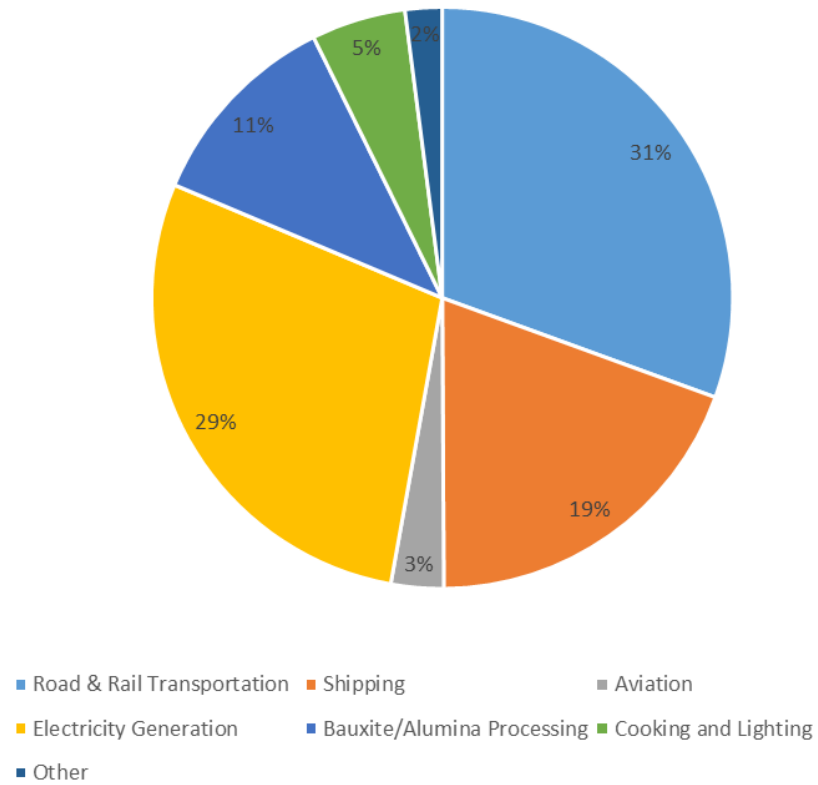
**SOURCE:** Bauxite/Alumina Companies, Caribbean Cement Company, Jamaica Public Service Company,  
Independent Private Power Companies, Refinery Statistics, Marketing Companies' Sales

**Notes:** (1) p - preliminary , r - revised

(2)\* Totals do not include figures for lubricants and asphalts which are non energy products.

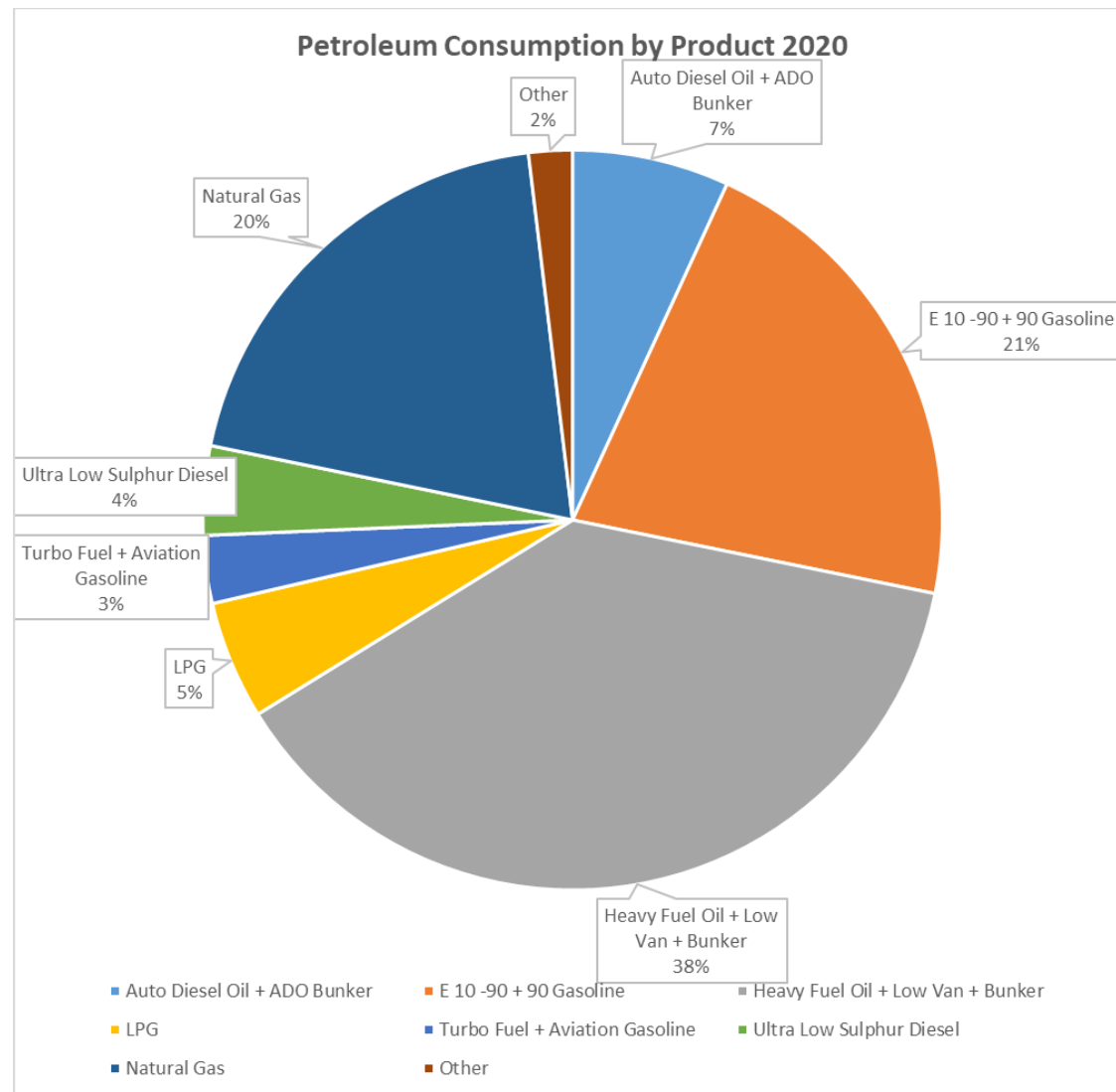
**Prepared by the Energy Division, Ministry of Science, Energy and Technology, 2021**

Petroleum Consumption by Activity 2020



**TABLE 3 PETROLEUM CONSUMPTION BY PRODUCTS**  
**2016 - 2020(barrels)**

Product	2016	2017	2018	2019r	2020p
Asphalt	117,454	116,983	154,590	150,188	88,278
Auto Diesel Oil	2,489,779	1,609,669	1,706,279	1,622,606	1,306,679
Auto Diesel Oil Bunker	222,253	182,871	329,942	342,566	113,027
Aviation Gasoline	247	1,270	1,657	1,660	793
E 10 -90	2,255,572	2,362,862	2,662,007	2,942,654	2,666,610
E10 -87	2,202,617	2,108,759	2,113,120	2,054,049	1,745,896
Fuel Oil (Low Van)	1,352,725	1,323,893	1,418,971	1,374,410	899,324
Heavy Fuel Oil	16,920	60,883	57,161	714,323	1,131,742
Heavy Fuel Oil (Bunker - C)	7,902,467	8,212,207	8,764,268	8,522,684	5,833,923
Kerosene	8,583	9,105	15,437	19,162	28,081
LPG	1,077,109	1,151,768	1,143,478	1,181,238	1,069,149
Lubricants	8,242	7,215	2,193	1,850	1,476
Turbo Fuel	2,680,103	1,706,613	1,755,472	1,721,788	611,719
Ultra Low Sulphur Diesel	396,509	519,163	741,504	888,868	806,014
Natural Gas	103,267	1,214,065	1,420,647	1,912,326	4,108,623
Low Sulphur Diesel	-	-	-	108,600	278,157
<b>Total</b>	<b>20,833,848</b>	<b>20,587,325</b>	<b>22,286,726</b>	<b>23,558,973</b>	<b>20,689,491</b>



Prepared by the Energy Economics and Planning Unit, Energy Division  
Ministry of Science, Energy and Technology

**TABLE 4 PETROLEUM FUEL PRICES (J\$/litre)**

2016 -2020

<b>Ex-refinery Price</b>	<b>E10-90</b>	<b>E10-87</b>	<b>A.D.O</b>	<b>ULSD</b>
<b>2015</b>	72.28	71.14	65.97	74.16
<b>2016</b>	61.33	60.20	54.29	62.14
<b>2017</b>	66.08	64.28	61.42	67.87
<b>2018</b>	83.87	81.55	82.65	87.77
<b>2019</b>	81.03	78.87	84.01	87.93
<b>2020p</b>	70.75	68.57	68.97	73.06

<b>Refinery Billing Price</b>	<b>E10-90</b>	<b>E10-87</b>	<b>A.D.O</b>	<b>ULSD</b>
<b>2015</b>	105.47	103.81	97.35	106.37
<b>2016</b>	98.86	97.24	89.91	100.18
<b>2017</b>	113.47	111.17	107.48	113.17
<b>2018</b>	135.02	132.07	132.95	137.84
<b>2019</b>	133.31	130.67	135.91	139.53
<b>2020p</b>	121.48	117.00	116.96	120.97

<b>Retail Price</b>	<b>E10-90</b>	<b>E10-87</b>	<b>A.D.O</b>	<b>ULSD</b>
<b>2015</b>	131.84	123.92	119.53	129.64
<b>2016</b>	129.38	120.68	115.46	127.83
<b>2017</b>	103.41	96.14	94.37	101.57
<b>2018</b>	165.15	154.51	156.09	166.67
<b>2019</b>	165.59	154.45	160.92	170.56
<b>2020p</b>	155.36	143.95	146.58	155.04



**TABLE 5 JAMAICA'S TOTAL EXPORT (barrels)  
2016 - 2020**

Products	2016r	2017r	2018r	2019r	2020p
	Volume	Volume	Volume	Volume	Volume
	(Bls)	(Bls)	(Bls)	(Bls)	(Bls)
ADO (bauxite)	134,179	279,105	138,234	177,238	221,318
ADO (Bunker)	82,980	53,158	38,645	32,594	
Asphalt	21,094	14,494	6,736	34,690	10,177
HFO			38,901	615,562	405,159
HFO Bunker C	1,746,754	1,974,031	1,483,664	1,290,576	309,009
HFO(Bauxite)	110,555	23,266		98,643	201,700
LSD (Bunker)				108,064	272,115
Turbo	1,569,448	1,686,131	1,738,136	1,714,128	601,559
ULSD	35,107	46,142	111,000	-	1,438
ULSD (Bauxite)	-	-	-	10,648	14,996
ULSD (Bunker)	-	-	-	52,491	9,742
VLSFO	-	-	-	212,541	2,299,662
Grand Total	3,700,117	4,076,327	3,555,316	4,347,175	4,346,875

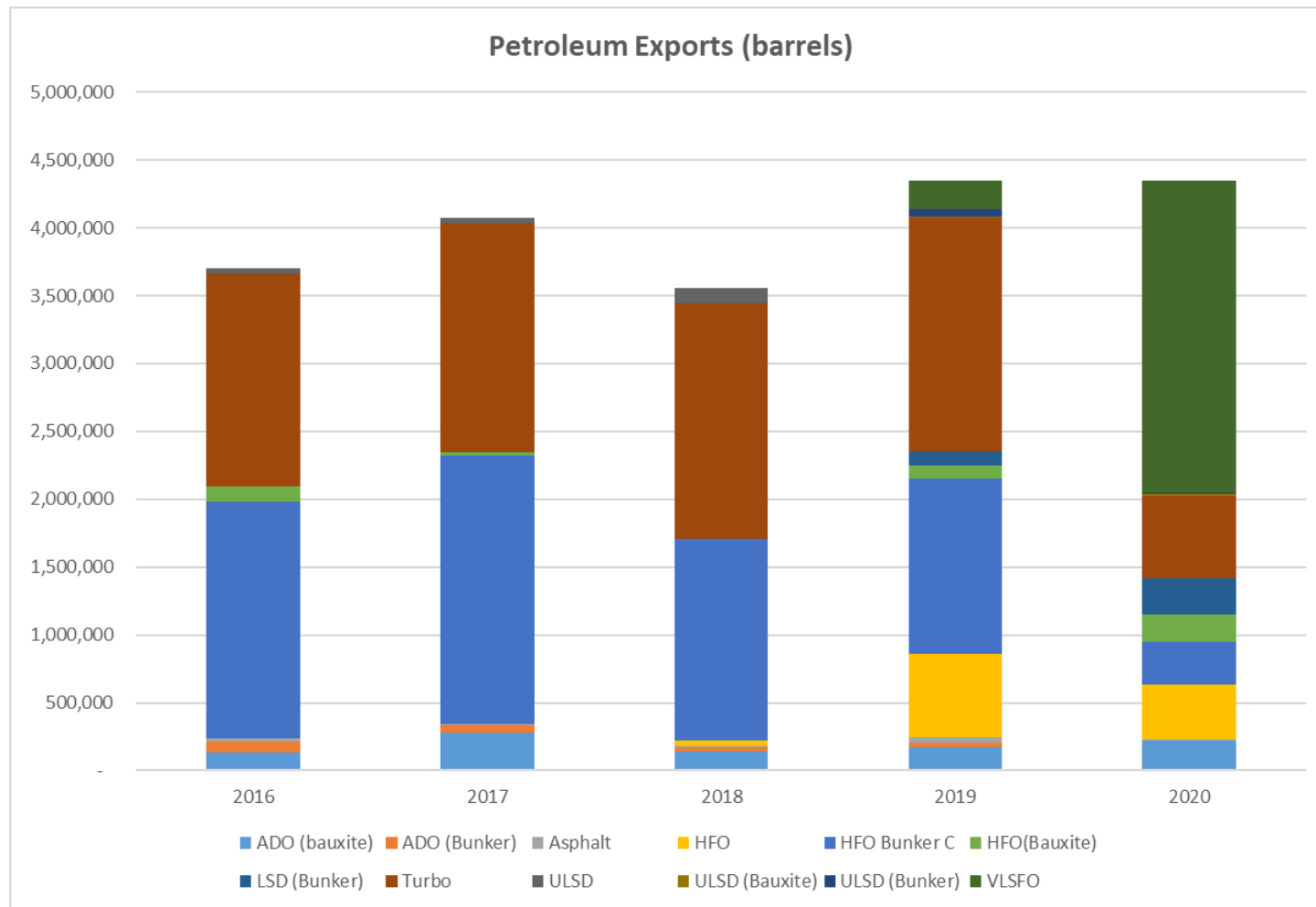
**SOURCE: Petrojam Ltd.**

**Note:**

**p - preliminary**

**r= revised**

**Prepared by the Energy Division, Ministry of Science, Energy and Technology, 2021**



Prepared by the Energy Economics and Planning Unit, Energy Division  
Ministry of Science, Energy and Technology

**TABLE 6 TOTAL NET PRODUCTION FROM CRUDE ( barrels)  
2016-2020**

PRODUCT	2016	2017	2018	2019r	2020p
Propane	32,492	43,511	32,875	34,349	28,525
Butane	71,966	103,801	90,214	97,348	77,893
Naphta/Solvent	441	353	441	304	327
Gasoline	1,011,117	1,083,606	1,018,272	1,223,952	1,112,491
Kerosene/Turbo Fuel	572,380	384,926	566,572	485,811	303,422
Auto Diesel Oil	965,780	805,206	760,217	976,479	1,368,296
Heavy Fuel Oil	4,486,528	4,483,951	4,717,087	5,644,351	5,013,787
Asphalt	123,429	106,425	155,076	128,613	71,119
<b>TOTAL</b>	<b>7,264,133</b>	<b>7,011,779</b>	<b>7,340,754</b>	<b>8,591,207</b>	<b>7,975,860</b>

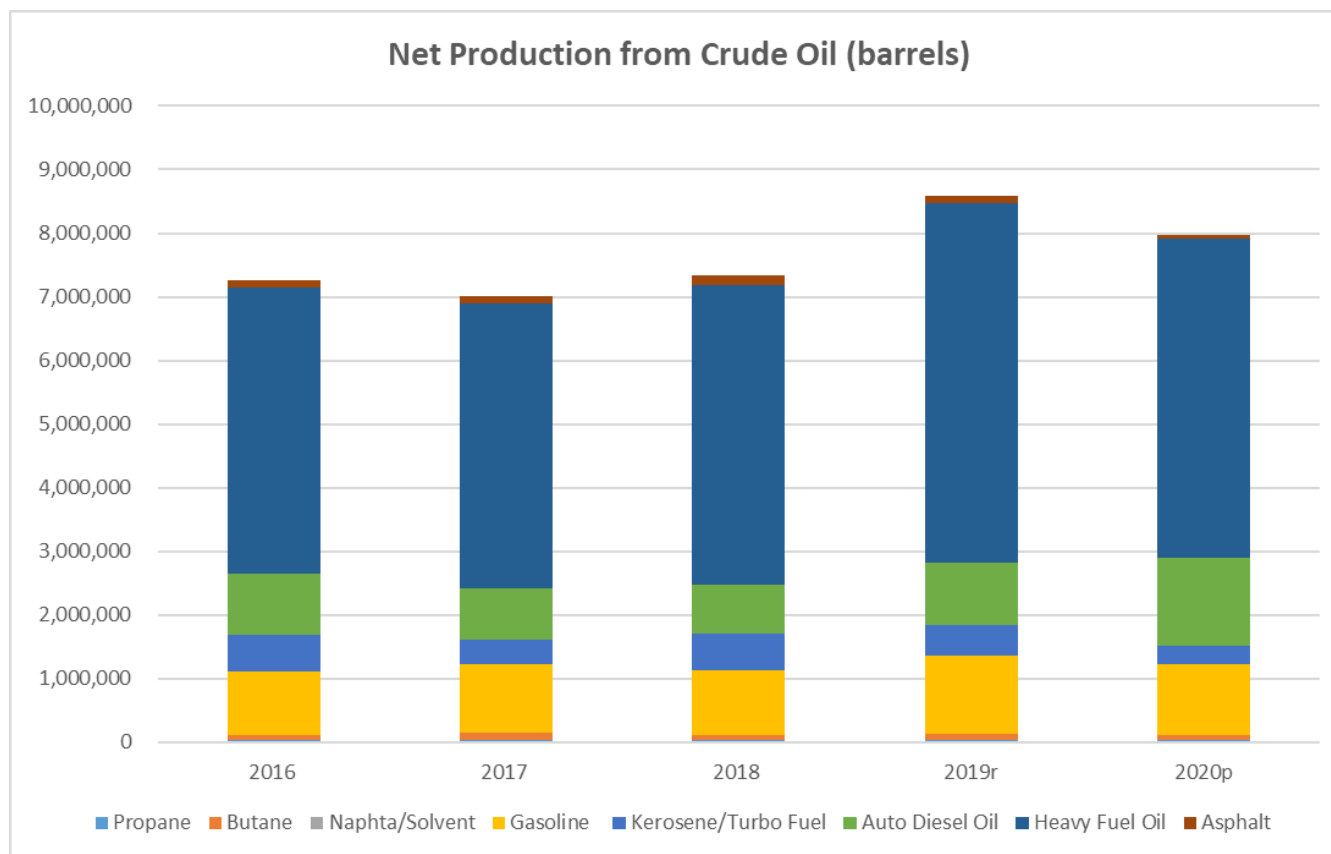
**SOURCE: Petrojam Ltd.**

**Note:**

**p - preliminary**

**r= revised**

**repared by the Energy Division, Ministry of Science, Energy and Technology, 202**



Prepared by the Energy Economics and Planning Unit, Energy Division  
Ministry of Science, Energy and Technology

**TABLE 8 JAMAICA'S TOTAL ALTERNATIVE ENERGY CONSUMPTION**  
**2016 - 2020**

Source	Unit of Measure	2,016	2,017	2,018	2,019	2,020
Natural Gas	000 MWh		820	948	1,151	2,481
	000 BOE		508	587	713	1,537
Hydropower	000 MWh	119	154	179	155	136
	000 BOE	74	96	111	96	84
Wind	000 MWh	207	289	302	272	280
	000 BOE	128	179	187	169	174
Solar	000 MWh	15	44	46	90	124
	000 BOE	9	27	28	56	77
Coal	000 TONNES	97	84	79	85	91
	000 BOE	491	425	398	427	457
Bagasse - BOE	"	487	334	265	325	266
<b>Total Alternative Energy - BOE</b>	<b>"</b>	<b>1,190</b>	<b>1,569</b>	<b>1,577</b>	<b>1,785</b>	<b>2,595</b>

SOURCE: Bauxite/Alumina Companies, Caribbean Cement Company, Jamaica Public Service Company, Independent Private Power Companies, Refinery Statistics, Marketing Companies' Sales

**Notes:**

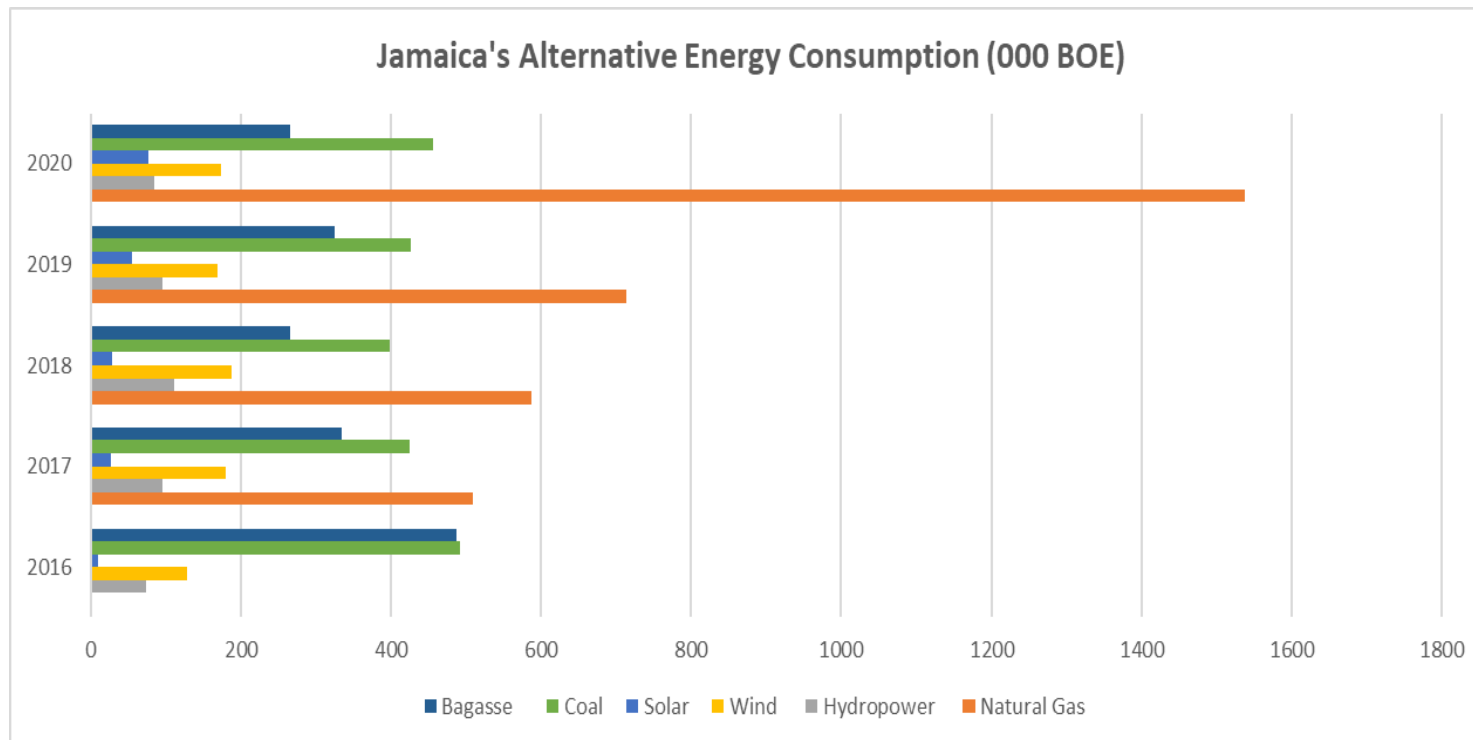
1 - Does not include asphalt, lubricants & petrochemicals

2 - Barrel of Oil Equivalent

p - preliminary

r - revised

Prepared by the Energy Division, Ministry of Science, Energy and Technology, 2021



**TABLE 8 ELECTRICITY STATISTICS**  
**ELECTRICITY GENERATION (MWh)**

Source	2016	2017	2018	2019r	2020p
Steam & Slow Speed Plants	1,668,266	1,466,690	1,354,598	1,229,417	459,698
Gas Turbines Plants	770,021	912,363	1,026,652	1,054,862	800,248
Hydro	118,706	154,243	179,154	155,212	135,581
Wind	207,176	255,222	301,950	272,010	280,321
<b>JPS Net Generation</b>	<b>2,556,993</b>	<b>2,533,296</b>	<b>2,560,404</b>	<b>2,439,491</b>	<b>1,395,527</b>
JPS Purchases	1,786,632	1,827,271	1,795,098	1,985,348	2,831,906
<b>Total Net Generation</b>	<b>4,343,625</b>	<b>4,360,567</b>	<b>4,355,502</b>	<b>4,424,839</b>	<b>4,227,433</b>
Losses	1,159,893	1,151,620	1,143,994	1,148,916	1,184,788
<b>Losses as a % of Net Generation</b>	<b>27%</b>	<b>26%</b>	<b>26%</b>	<b>26%</b>	<b>28%</b>

**ELECTRICITY SALES (MWh)**

Rate Class	2016	2017	2018p	2019	2020p
Rate 10 (Residential)	1,078,770	1,069,345	1,066,226	1,100,738	1,138,658
Rate 20 (General Service)	598,595	596,283	598,137	615,424	554,019
Rate 40 (Power Service)	784,068	785,822	800,840	811,884	740,678
Rate 50 (Large Power)	626,026	572,269	355,522	371,289	331,857
Rate 60 (Street Light)	71,299	68,312	62,423	59,428	51,546
Rate 70 (Largest Power Customers)		74,652	293,889	294,237	225,798
Other	24,974	42,263	34,501	22,936	86
<b>TOTAL</b>	<b>3,183,732</b>	<b>3,208,946</b>	<b>3,211,538</b>	<b>3,275,936</b>	<b>3,042,642</b>

**AVERAGE RATE CHARGE (JA¢/KWh)**

<b>Rate Class</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020p</b>
Rate 10 (Residential)	3,044.26	3,676.78	3,999.85	4,005.71	4,404.30
Rate 20 (General Service)	3,140.78	3,772.71	4,095.29	4,104.33	4,503.75
Rate 40 (Power Service)	2,326.18	2,908.89	3,216.55	3,187.28	3,559.43
Rate 50 (Large Power)	2,091.64	2,672.86	2,967.18	2,876.39	2,992.10
Rate 60 (Street Light)	3,560.09	4,174.68	4,464.35	4,501.02	4,910.85
Rate 70 (Largest Power Customers)		2,566.45	2,827.34	2,918.51	3,350.98
Other	452.46	505.07	534.53	580.98	-
<b>Avg Rate Charge</b>	<b>2,693.77</b>	<b>3,265.09</b>	<b>3,576.45</b>	<b>3,569.24</b>	<b>3,992.73</b>
US Cents/KWh	22	25	28	27	28

**SOURCE: Jamaica Public Service and Independent Power Producers**

**Note:**

**p - preliminary**

**r= revised**

**Prepared by the Energy Division, Ministry of Science, Energy and Technology, 2021**



