

## JAMAICA ENERGY STATISTICS 2019

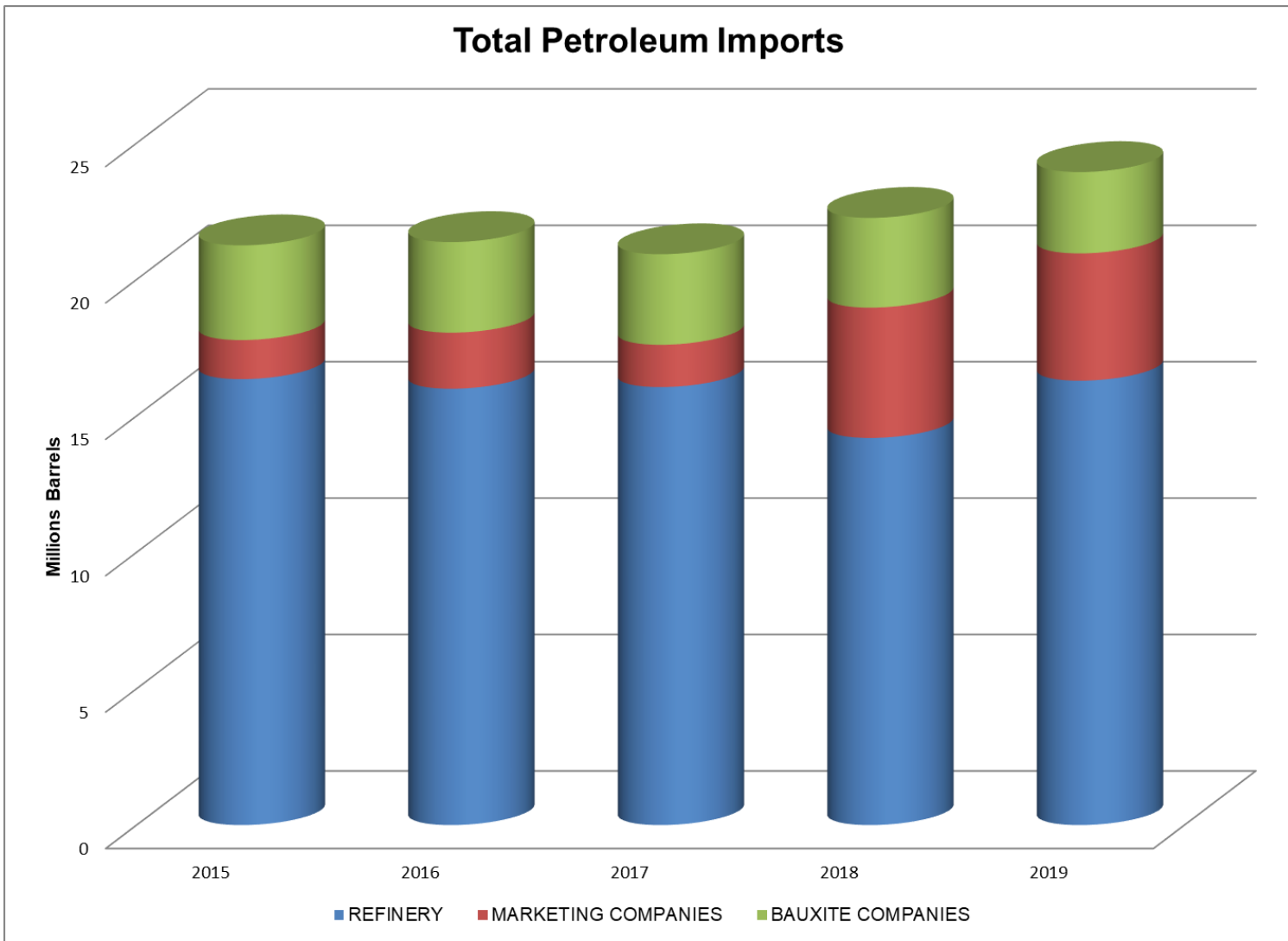
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**TABLE 1 - TOTAL PETROLEUM IMPORTS (2015 – 2019)**

IMPORTER GROUPING	2015		2016		2017		2018		2019p	
	Volume (Bls)	Value (US\$)	Volume (Bls)	Value (US\$)	Volume (Bls)	Value (US\$)	Volume (Bls)	Value (US\$)	Volume (Bls)	Value (US\$)
<b><u>REFINERY</u></b>										
<i>Crude</i>	8,777,533	414,320,042	7,815,730	320,258,634	7,329,523	392,383,394	7,454,658	516,496,439	9,568,843	617,574,942
<i>Refined Products</i>	7,226,568	450,608,818	7,834,693	379,574,348	8,345,532	508,724,720	6,404,366	501,946,583	6,330,528	457,805,461
<i>Anhydrous</i>	344,348	25,668,192	345,261	26,263,505	381,904	29,189,973	333,758	23,834,719	391,658	30,057,211
<i>Sub - Total</i>	16,348,449	890,597,052	15,995,684	726,096,487	16,056,959	930,298,088	14,192,782	1,042,277,741	16,291,029	1,105,437,614
<b><u>MARKETING COMPANIES</u></b>										
<i>Anhydrous</i>							67,013	9,222,961	22,704	2,582,022
<i>Refined Products</i>	1,432,581	112,417,637	2,056,274	149,712,495	1,550,630	121,075,464	4,710,090	397,806,725	4,643,855	352,830,328
<i>Lubricants</i>	148	39,133								
<i>Sub - Total</i>	1,432,729	112,456,770	2,056,274	149,712,495	1,550,630	121,075,464	4,777,103	407,029,685	4,666,559	355,412,350
<b><u>NON - BAUXITE TOTAL</u></b>	17,781,178	1,003,053,822	18,051,958	875,808,982	17,607,588	1,051,373,551	18,969,885	1,449,307,426	20,957,588	1,460,849,964
<b><u>BAUXITE COMPANIES</u></b>										
<i>Bunker C</i>	1,299,114	56,332,551	1,664,084	57,524,720	1,176,915	59,367,993	1,253,126	80,329,056	902,596	46,499,679
<i>Low. Vanadium</i>	1,997,072	84,358,711	1,524,744	42,489,240	2,023,098	95,470,447	1,973,188	122,777,034	2,079,050	111,642,032
<i>ADO</i>	174,961	12,637,874	131,311	8,737,016	118,982	8,848,518	64,007	6,072,893		
<i>Sub - Total</i>	3,471,147	153,329,136	3,320,139	108,750,976	3,318,995	163,686,958	3,290,321	209,178,983	2,981,646	158,141,711
<b>GRAND TOTAL</b>	<b>21,252,325</b>	<b>1,156,382,958</b>	<b>21,372,097</b>	<b>984,559,958</b>	<b>20,926,583</b>	<b>1,215,060,509</b>	<b>22,260,206</b>	<b>1,658,486,409</b>	<b>23,939,234</b>	<b>1,618,991,674</b>

**Notes:** p – Preliminary, r revised

**Sources:** Petrojam Ltd, Marketing Companies and Bauxite/Alumina Companies



**TABLE 2 - PETROLEUM CONSUMPTION ACTIVITY (BARRELS)**

<b>Product</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019p</b>
<b>Road &amp; Rail Transportation</b>	5,975,830	6,356,077	6,186,068	6,782,276	7,224,833
<b>Shipping</b>	1,862,027	1,839,136	2,112,930	3,026,620	3,761,501
<b>Aviation</b>	2,386,345	2,680,350	2,590,095	1,757,129	1,724,051
<b>Cement Manufacture</b>	12,498	22,335	44,199	34,874	13,420
<b>Electricity Generation</b>	5,667,514	5,634,458	5,028,151	4,728,691	4,487,954
<b>Bauxite/Alumina Processing</b>	2,830,608	2,825,028	2,868,898	3,034,335	2,916,563
<b>Sugar Manufacturing</b>	16,035	15,815	16,576	27,734	20,040
<b>Cooking &amp; Lighting</b>	828,363	1,085,692	1,160,859	1,158,915	1,202,176
<b>Other Manufacturing</b>	19,034	17,162	20,829	22,589	52,262
<b>Other</b>	142,838	128,834	124,629	136,132	94,299
<b>TOTAL</b>	<b>19,741,091</b>	<b>20,604,886</b>	<b>20,153,235</b>	<b>20,709,296</b>	<b>21,497,101</b>
<b>Petroleum Refinery</b>	<b>364,385</b>	<b>333,916</b>	<b>364,419</b>	<b>333,307</b>	<b>346,477</b>
<b>GRAND TOTAL</b>	<b>20,105,476</b>	<b>20,938,802</b>	<b>20,517,654</b>	<b>21,042,603</b>	<b>21,843,578</b>

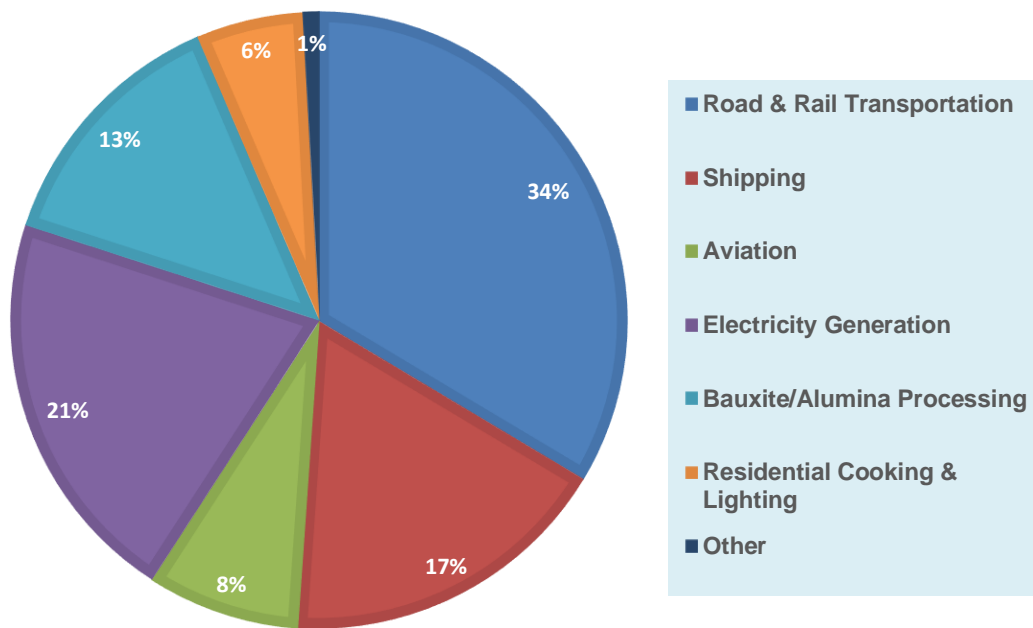
**SOURCE:** Bauxite/Alumina Companies, Caribbean Cement Company, Jamaica Public Service Company, Independent Private Power Companies, Refinery Statistics, Marketing Companies' Sales

**Notes:**

(1) p - preliminary

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

### Petroleum Consumption by Activity (2019)



**TABLE 3 - PETROLEUM CONSUMPTION BY PRODUCT (BARRELS)**

<b>Product</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018r</b>	<b>2019p</b>
<b>Asphalt</b>	173,394	117,454	102,489	154,590	150,188
<b>Auto Diesel Oil</b>	3,097,767	2,489,779	1,521,535	1,706,279	1,622,628
<b>Auto Diesel Oil Bunker</b>	120,520	222,253	187,963	329,942	342,566
<b>Aviation Gasoline</b>	668	247	1,270	1,657	1,660
<b>E 10 -90</b>	1,746,154	2,255,572	2,362,918	2,662,007	2,941,009
<b>E10 -87</b>	2,316,200	2,202,617	2,108,759	2,113,120	2,053,881
<b>Fuel Oil (Low Van)</b>	1,341,410	1,352,725	1,323,893	1,418,971	1,374,410
<b>Heavy Fuel Oil</b>	13,180	16,920	60,883	57,161	714,323
<b>Heavy Fuel Oil (Bunker - C)</b>	7,705,624	7,902,467	8,352,230	8,764,268	8,525,038
<b>Kerosene</b>	6,672	8,583	9,091	15,437	19,162
<b>LPG</b>	821,691	1,077,109	1,151,768	1,143,478	1,183,014
<b>Lubricants</b>	6,413	8,242	7,215	2,193	1,880
<b>Turbo Fuel</b>	2,385,677	2,680,103	2,588,825	1,755,472	1,721,788
<b>Ultra Low Sulphur Diesel</b>	185,528	396,509	484,101	741,504	997,620
<b>Total</b>	<b>19,920,898</b>	<b>20,730,580</b>	<b>20,262,939</b>	<b>20,866,079</b>	<b>21,649,169</b>

**Notes:**

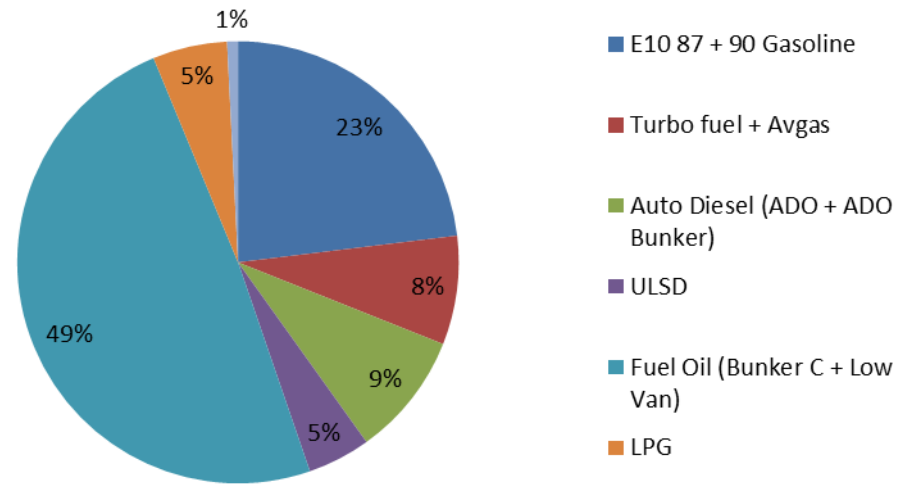
(1) p - Preliminary

(2) Information in this table does not include Petrojam's consumption

(3) Ultra Low Sulphur Diesel (ULSD) was introduced in June 2013

Source: Bauxite/Alumina Companies, Caribbean Cement Company, Jamaica Public Service Company, Independent Private Power Companies, Petrojam Ltd, Marketing Companies

### Petroleum Consumption by Product 2019



**TABLE 4 - PETROLEUM PRICES FOR SELECTED PRODUCTS (J\$/LITRE)**

Ex-refinery Price	L.P.G	E10-90	E10-87	A.D.O	Kerosene	Fuel Oil	ULSD
2015	35.89	72.28	71.14	65.97	71.04	49.52	74.16
2016	35.11	61.33	60.20	54.29	58.05	38.99	62.14
2017	41.13	66.08	64.28	61.42	66.03	54.94	67.87
2018	47.32	83.87	81.55	82.65	85.97	70.83	87.77
2019	38.73	81.03	78.87	84.01	84.79	67.25	87.93

Refinery Billing Price	L.P.G	E10-90	E10-87	A.D.O	Kerosene	Fuel Oil	ULSD
2015	37.62	105.47	103.81	97.35	96.84	49.67	106.37
2016	36.59	98.86	97.24	89.91	81.57	39.69	100.18
2017	46.44	113.47	111.17	107.48	91.78	63.07	113.17
2018	53.55	135.02	132.07	132.95	114.12	80.68	137.84
2019	45.18	133.31	154.45	160.92	115.52	70.05	170.56

Retail Price	L.P.G	E10-90	E10-87	A.D.O	Kerosene	Fuel Oil	ULSD
2015	67.23	131.84	123.92	119.53	107.19	54.64	129.64
2016	70.68	129.38	120.68	115.46	87.49	45.38	127.83
2017	47.82	103.41	96.14	94.37	91.14	66.89	101.57
2018	91.45	165.15	154.51	156.09	121.76	84.23	166.67
2019	82.65	165.59	154.45	160.92	115.52	70.05	170.56

**Notes:**

(1) LPG – Liquefied Petroleum Gas

(2) ADO – Automotive Diesel Oil

(3) Ex-refinery Price = US Gulf Reference Price + freight + insurance + premium factor + other charges and fees

(4) Billing price = ex-refinery price + taxes (SCT) and fees

(5) Average retail Price = billing price + industry margin ; industry margin is calculated based on actual service station prices gathered from weekly prices surveys conducted by the Ministry of Science, Energy and Technology

(6) Average retail prices for 2017 covers the period May to December as the average prices were not available for the prior months.

(7) P – preliminary

(8) ULSD – Ultra Low Sulphur Diesel Oil introduced June 2013



Source:

Marketing Companies, LPG Distributors and Petrojam Ltd

**TABLE 5 - PETROLEUM EXPORTS (BARRELS)**

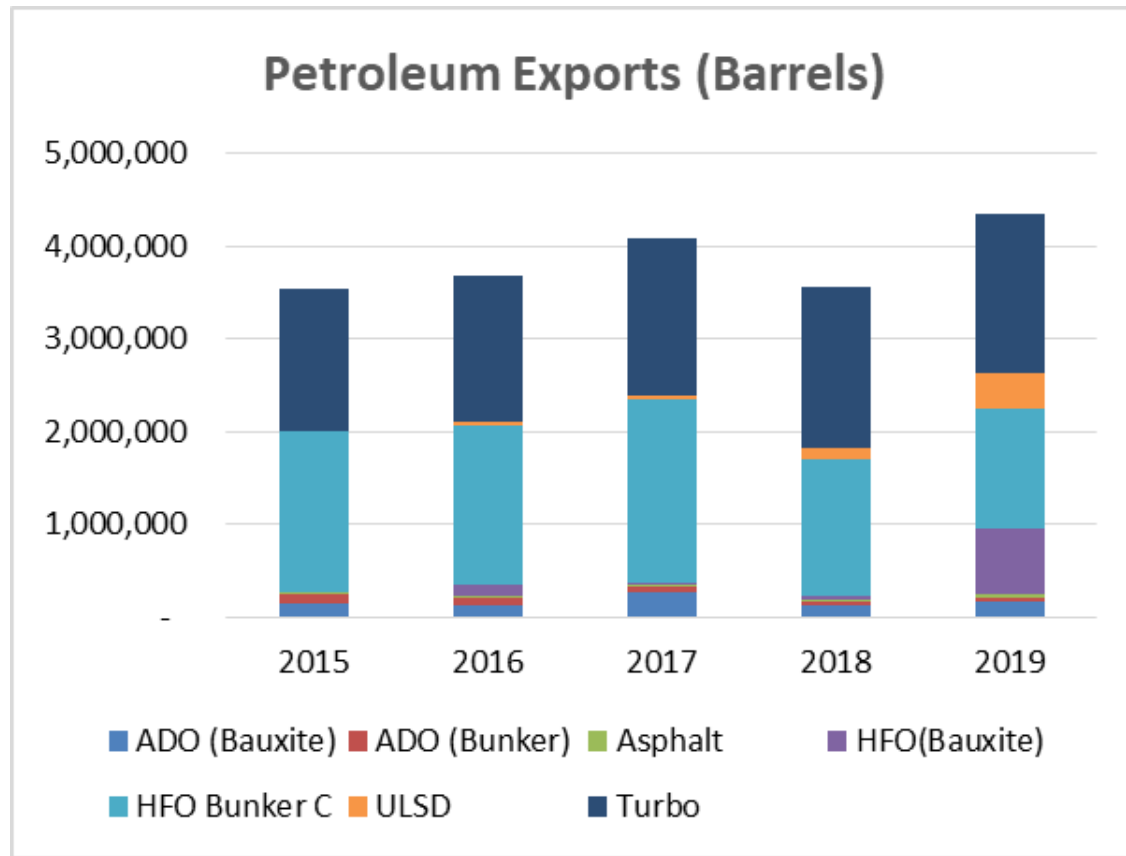
<b>PRODUCT</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019p</b>
ADO (Bauxite)	144,426	130,524	279,105	138,234	177,238
ADO (Bunker)	108,846	86,635	53,158	38,645	32,594
Asphalt	22,112	21,094	14,494	6,736	34,690
HFO(Bauxite)		110,555	23,266	38,901	714,205
HFO Bunker C	1,728,408	1,721,776	1,974,031	1,483,664	1,290,576
ULSD		35,107	46,142	111,000	383,744
Turbo	1,537,134	1,569,448	1,686,131	1,738,136	1,714,128
<b>Grand Total</b>	<b>3,540,926</b>	<b>3,675,139</b>	<b>4,076,327</b>	<b>3,555,316</b>	<b>4,347,175</b>

**Notes:**

(1) p – preliminary

**Source:**

Petrojam Ltd



**TABLE 6 - NET PRODUCTION OF PETROLEUM FROM CRUDE OIL (Barrels)**

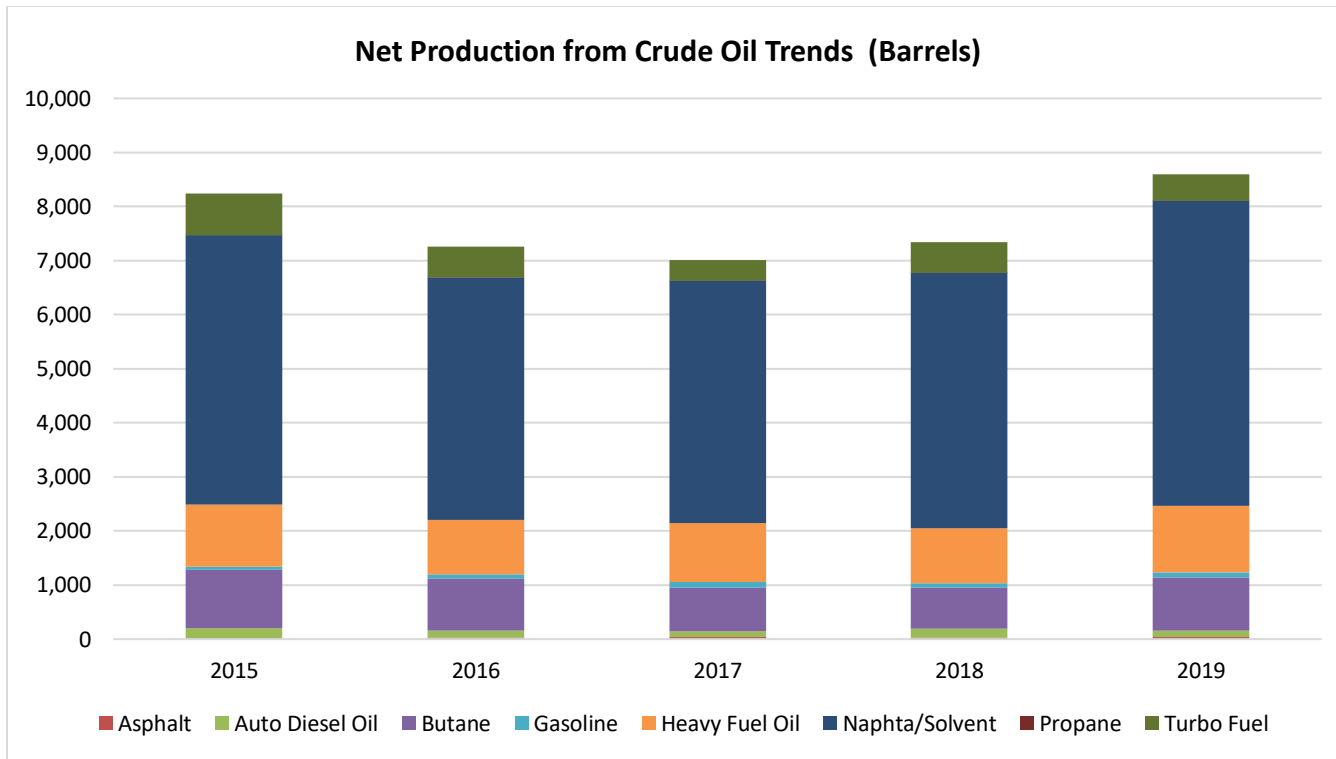
<b>Products</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019p</b>
Propane	18,442	32,492	43,511	32,875	34,349
Asphalt	188,265	123,429	106,425	155,076	128,613
Auto Diesel Oil	1,077,859	965,780	805,206	760,217	976,479
Butane	58,827	71,966	103,801	90,214	97,348
Gasoline	1,150,016	1,011,117	1,083,606	1,018,272	1,223,952
Heavy Fuel Oil	4,977,618	4,486,528	4,483,951	4,717,087	5,644,351
Naphta/Solvent	313	441	353	441	304
Turbo Fuel	769,896	572,380	384,926	566,572	485,811
<b>TOTAL</b>	<b>8,241,236</b>	<b>7,264,133</b>	<b>7,011,779</b>	<b>7,340,754</b>	<b>8,591,207</b>

**Notes:**

p – Preliminary

Source:

Petrojam Ltd.



**TABLE 7 - JAMAICA'S TOTAL ALTERNATIVE ENERGY CONSUMPTION**

<b>SOURCE</b>	<b>UNIT OF MEASURE</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019p</b>
<b>Natural Gas</b>	000 MWh			820	948	936
	000 BOE			508	587	580
<b>Hydropower</b>	000 MWh	129	119	154	179	155
	000 BOE	80	74	96	111	96
<b>Wind</b>	000 MWh	125	190	289	302	272
	000 BOE	78	118	179	187	169
<b>Solar</b>	000 MWh		13	44	46	46
	000 BOE		8	27	28	29
<b>Coal</b>	000 TONNES	101	97	84	79	85
	000 BOE	511	491	425	398	427
<b>Bagasse</b>	000 BOE	621	487	334	265	325
<b>Total Alternative Energy</b>	<b>000 BOE</b>	<b>1,290</b>	<b>1,178</b>	<b>1,569</b>	<b>1,577</b>	<b>1,625</b>

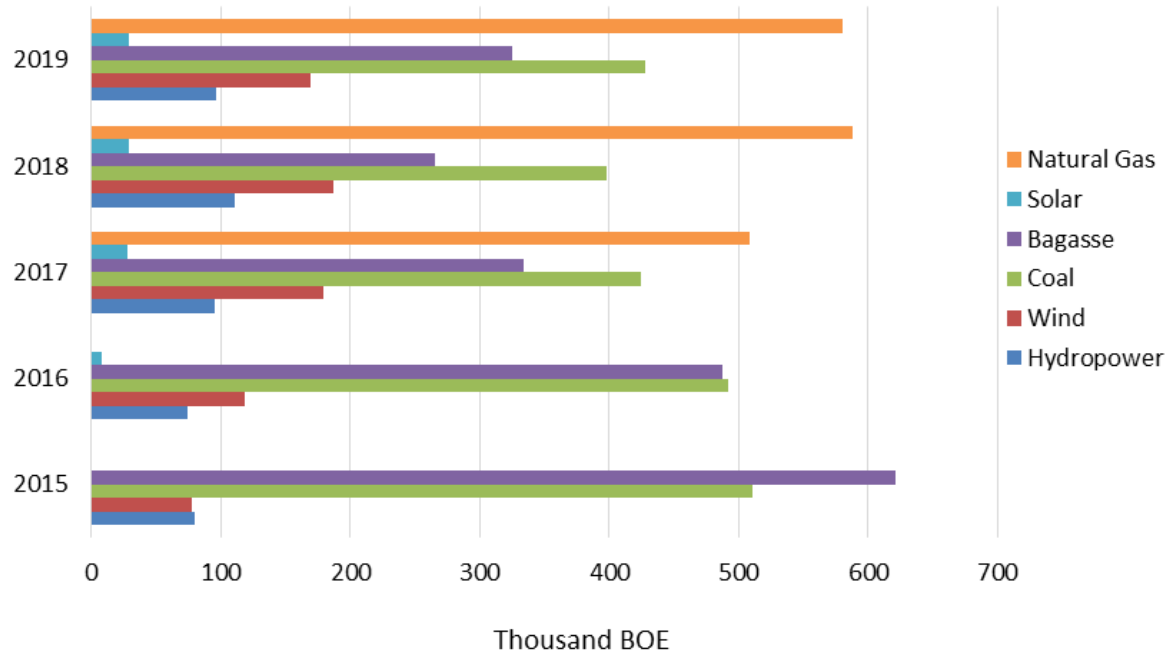
**Notes:**

- (1) MWh - Megawatt hours
- (2) BOE - Barrel of Oil Equivalent
- (3) p - preliminary

**Source:**

Bauxite/Alumina Companies, Caribbean Cement Company, Jamaica Public Service Company, Independent Private Power Companies, Petrojam Ltd, Marketing Companies

### Jamaica's Alternative Energy Consumption (000 BOE)



**TABLE 8 - JPS ELECTRICITY STATISTICS 2015 – 2019**

**ELECTRICITY GENERATION (MWh)**

Rate Class	2015	2016	2017	2018	2019p
Steam & Slow Speed Plants	1,530,024	1,668,266	1,466,690	1,354,598	1,236,663
Gas Turbines Plants	870,934	770,021	912,363	1,026,652	1,055,904
Hydro	128,951	118,706	154,243	179,154	155,213
<b>JPS Net Generation</b>	<b>2,529,909</b>	<b>2,556,993</b>	<b>2,533,296</b>	<b>2,560,404</b>	<b>2,447,780</b>
JPS Purchases	1,678,414	1,786,632	1,827,271	1,795,098	1,985,348
<b>Total Generation</b>	<b>4,208,323</b>	<b>4,343,625</b>	<b>4,360,567</b>	<b>4,355,502</b>	<b>4,433,128</b>
Losses	1,136,589	1,159,893	1,151,620	1,143,994	1,148,916
<b>Losses as a % of Net Generation</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>26</b>	<b>26</b>

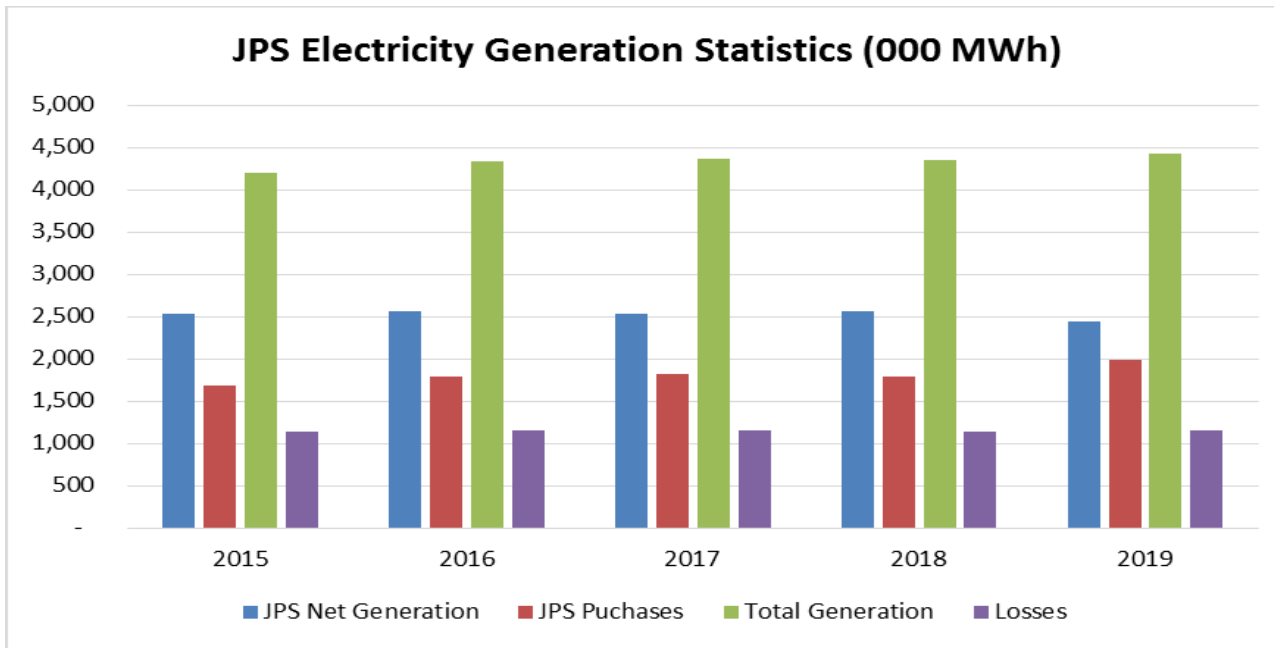
**Jamaica Public Service Co. Ltd.**

**ELECTRICITY SALES (MWh)**

Rate Class	2015	2016	2017	2018	2019p
Rate 10 (Residential)	1,016,900	1,078,770	1,069,345	1,066,226	1,100,738
Rate 20 (General Service)	584,732	598,595	596,283	598,137	615,424
Rate 40 (Power Service)	776,050	784,068	785,822	800,840	811,884
Rate 50 (Large Power)	602,817	626,026	572,269	355,522	371,289
Rate 60 ( Street Light)	70,920	71,299	68,312	62,423	59,428
Rate 70 (Largest Power Customers)			74,652	293,889	294,237
Other	21,318	24,974	42,263	34,501	22,936
<b>Total</b>	<b>3,072,737</b>	<b>3,183,732</b>	<b>3,208,946</b>	<b>3,211,538</b>	<b>3,275,936</b>

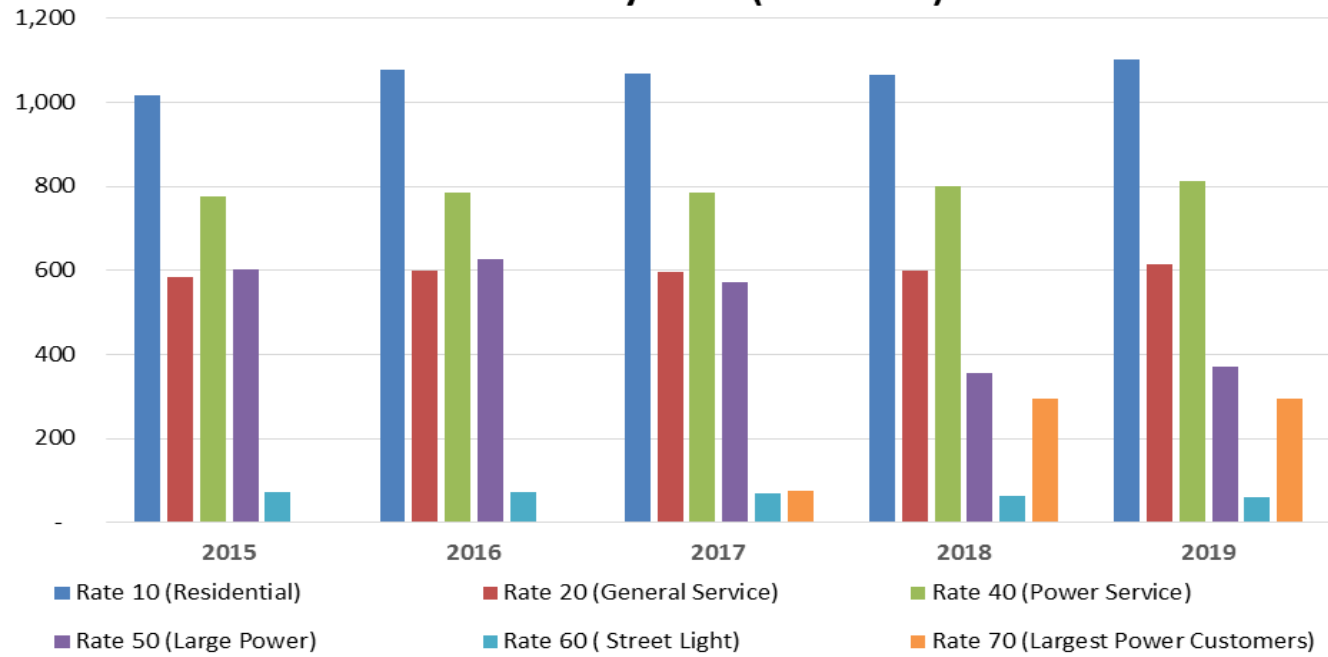
## Trends in JPS Rate Charges (J\$ Cents/KWh)

Rate Class	2015	2016	2017	2018	2019p
Rate 10 (Residential)	3,222	3,044	3,677	4,000	4,006
Rate 20 (General Service)	3,317	3,141	3,773	4,095	4,104
Rate 40 (Power Service)	2,556	2,326	2,909	3,217	3,187
Rate 50 (Large Power)	2,282	2,092	2,673	2,967	2,876
Rate 60 ( Street Light)	3,591	3,560	4,175	4,464	4,501
Rate 70 (Largest Power Customers)			2,566	2,827	2,827
<b>Other</b>	<b>976</b>	<b>452</b>	<b>505</b>	<b>535</b>	<b>581</b>





### JPS Electricity Sales (000 MWh)



### Trends in JPS Rate Charges (J\$ cents/kWh)

