

JAMAICA ENERGY STATISTICS 2023

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TABLE 1. TOTAL PETROLEUM IMPORTS

2019-2023

Importer Grouping	2019		2020		2021		2022		2023p	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
	(bbl)	(US\$)	(bbl)	(US\$)	(bbl)	(US\$)	(bbl)	(US\$)	(bbl)	(US\$)
<i>Crude</i>	9,568,843	617,574,942	7,977,310	380,099,717	8,186,366	580,889,967	7,118,678	728,222,217	5,741,996	486,447,045
<i>Refined Products</i>	6,330,528	457,805,461	3,349,146	168,693,852	4,614,523	386,173,118	5,848,950	815,474,301	5,097,478	533,331,212
<i>Ethanol</i>	391,658	30,057,211	336,755	22,128,278	352,277	36,977,637	411,154	46,356,081	238,031	26,717,291
Sub - Total	16,291,029	1,105,437,614	11,663,211	570,921,848	13,153,166	1,004,040,721	13,378,782	1,590,052,598	11,077,505	1,046,495,548
<u>MARKETING COMPANIES</u>										
<i>Refined Products</i>	4,643,855	352,830,328	3,225,661	214,705,877	3,174,467	266,216,120	3,921,679	553,631,536	5,691,988	649,019,037
<i>Ethanol</i>	22,704	2,582,022	88,435	9,280,209	229,491	28,110,304	137,769	20,179,195	252,901	33,668,954
Sub - Total	4,666,559	355,412,350	3,314,096	223,986,086	3,403,958	294,326,425	4,059,449	573,810,731	5,944,889	682,687,992
<u>BAUXITE COMPANIES</u>										
<i>Bunker C</i>	902,596	46,499,679	1,248,180	38,583,484	858,899	46,843,164	1,264,737	85,891,918	1,642,218	130,794,270
<i>Low Vanadium</i>	2,079,050	111,642,032	1,252,695	47,764,731	599,189	33,079,091	129,393	9,971,709		
Sub - Total	2,981,646	158,141,711	2,500,875	86,348,215	1,458,088	79,922,255	1,394,130	95,863,627	1,642,218	130,794,270
<u>CEMENT COMPANY</u>										
<i>Petcoke</i>	--	--	--	--	--	--	--	--	419,040	1,671,149,356
NON - BAUXITE TOTAL	20,957,588	1,460,849,964	14,977,307	794,907,934	16,557,124	1,298,367,145	17,438,231	2,163,863,330	17,441,434	3,400,332,895
TOTAL Petroleum	23,939,234	1,618,991,674	17,478,182	881,256,149	18,015,213	1,378,289,400	18,832,361	2,259,726,957	19,083,652	3,531,127,165
Natural Gas	1,930,682	108,533,877	4,163,508	192,731,825	4,284,843	241,493,696	4,034,378	392,314,122	4,991,432	306,370,589
Grand Total	25,869,916	1,727,525,551	21,641,689	1,073,987,974	22,300,056	1,619,783,096	22,866,739	2,652,041,079	24,075,084	3,837,497,754

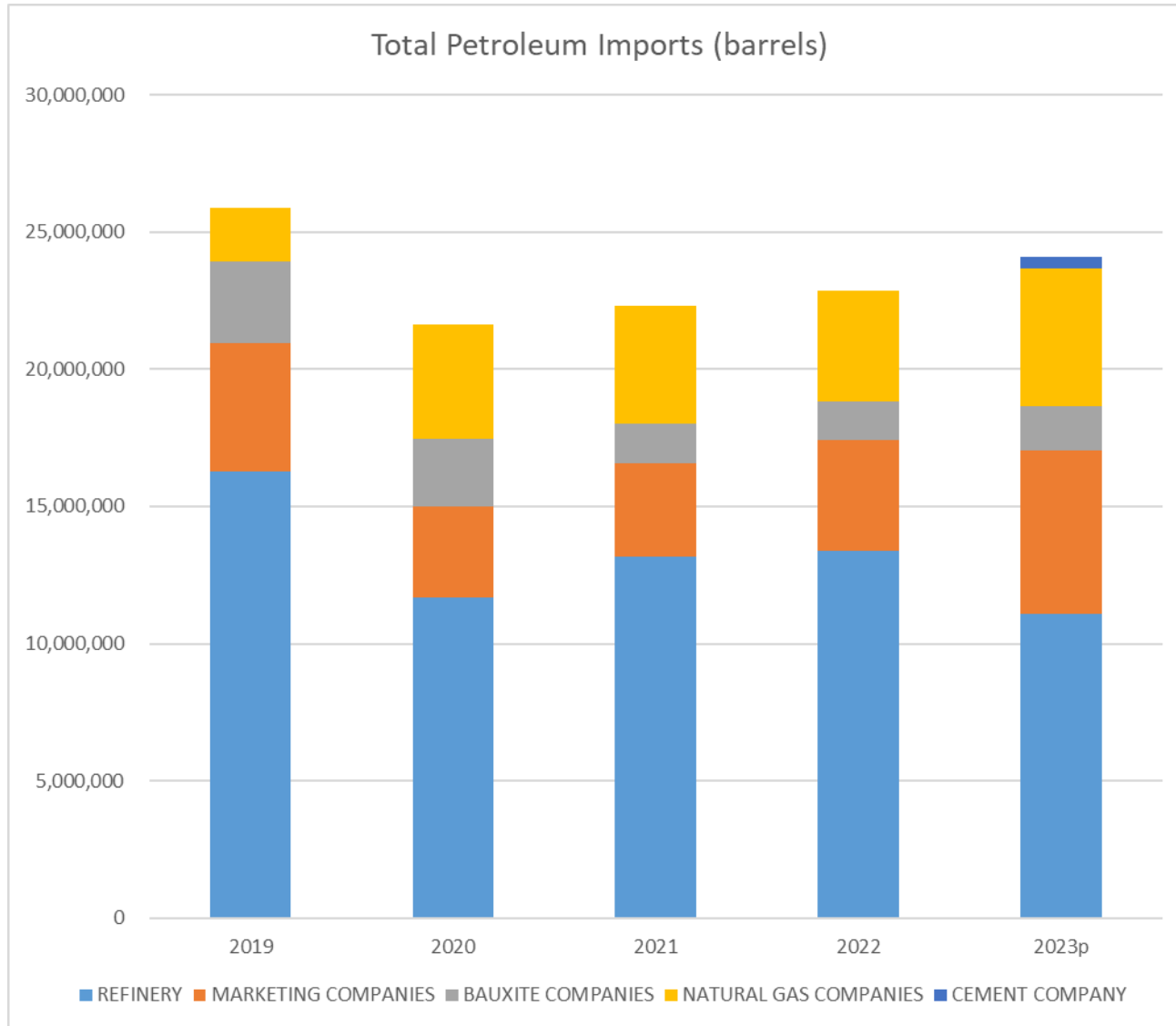
SOURCE: Petrojam, Marketing Companies, Bauxite Companies and Cement Company

Note:

p - preliminary

r= revised

Prepared by the Energy Economics and Planning Unit, Energy Division
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**TABLE 2. PETROLEUM CONSUMPTION BY ACTIVITY
2019 - 2023 (bbl)**

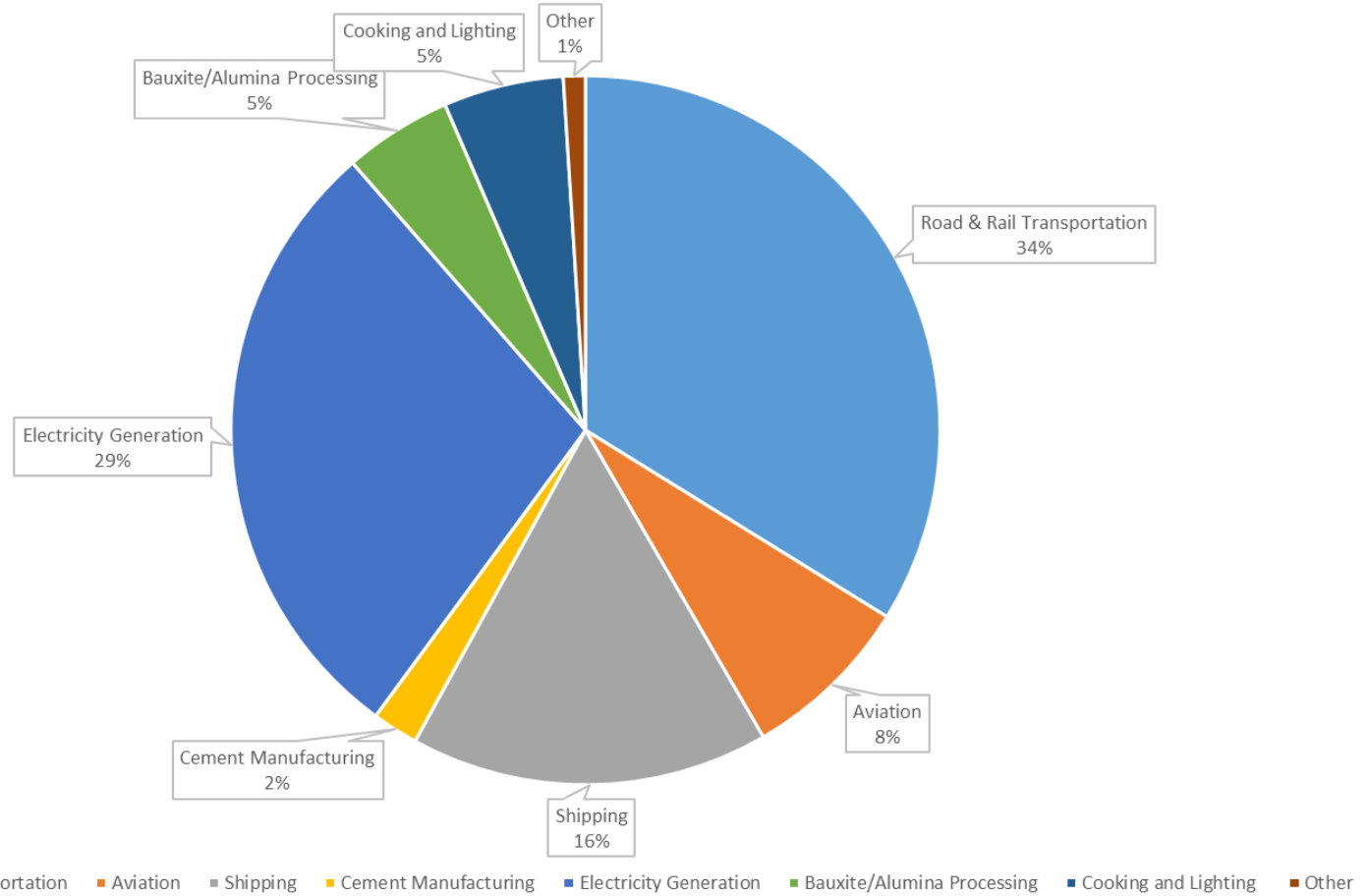
Activities	2019	2020	2021	2022	2023p
Road & Rail Transportation	7,117,870	6,391,072	6,782,464	6,758,929	7,251,153
Shipping	3,870,101	4,049,863	3,138,038	3,404,683	3,504,060
Aviation	1,724,051	612,512	821,528	1,434,965	1,642,743
Cement Manufacturing	12,483	15,952	13,458	10,916	451,614
Electricity Generation	6,400,280	5,963,625	5,969,066	5,837,457	6,111,879
Bauxite/Alumina Processing	2,915,147	2,372,704	1,735,385	1,301,538	1,056,127
Sugar Manufacturing	20,040	14,223	16,609	16,563	4,902
Cooking and Lighting	1,200,400	1,097,230	1,162,067	1,004,733	1,174,711
Other	146,562	82,557	89,275	70,725	60,709
TOTAL	23,406,935	20,599,737	19,727,888	19,840,509	21,257,898
Petroleum Refinery	<u>346,477</u>	<u>317,698</u>	<u>241,819</u>	<u>324,494</u>	<u>290,608</u>
GRAND TOTAL	23,753,412	20,917,435	19,969,707	20,165,003	21,548,506

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 2023



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TABLE 3. PETROLEUM CONSUMPTION BY PRODUCTS (bbi)
2019 - 2023

Product	2019	2020	2021	2022	2023p
Asphalt	150,188	88,278	71,529	78,196	158,862
Auto Diesel Oil	1,965,173	1,419,706	1,564,149	1,808,982	1,647,563
E 10 -90	2,942,654	2,666,610	2,966,966	3,122,304	3,460,126
E10 -87	2,054,049	1,745,896	1,683,657	1,823,944	1,865,295
Heavy Fuel Oil	10,611,417	7,864,989	5,964,589	5,218,264	4,596,304
Kerosene	19,162	28,081	42,543	53,465	5,881
LPG	1,181,238	1,069,149	1,119,524	1,004,733	1,096,427
Lubricants	1,850	1,476	1,432	2,179	1,847
Turbo Fuel	1,723,448	612,512	821,528	1,434,965	1,452,314
Ultra Low Sulphur Diesel	888,868	806,014	926,021	1,115,650	1,014,251
Natural Gas	1,912,326	4,108,623	4,247,201	4,010,632	4,977,389
Low Sulphur Diesel	108,600	278,157	391,711	156,265	199,656
Petcoke	0	0	0	0	447,024
Total	23,558,973	20,689,491	19,800,850	19,829,579	20,922,939

Petroleum Consumption by Product 2023

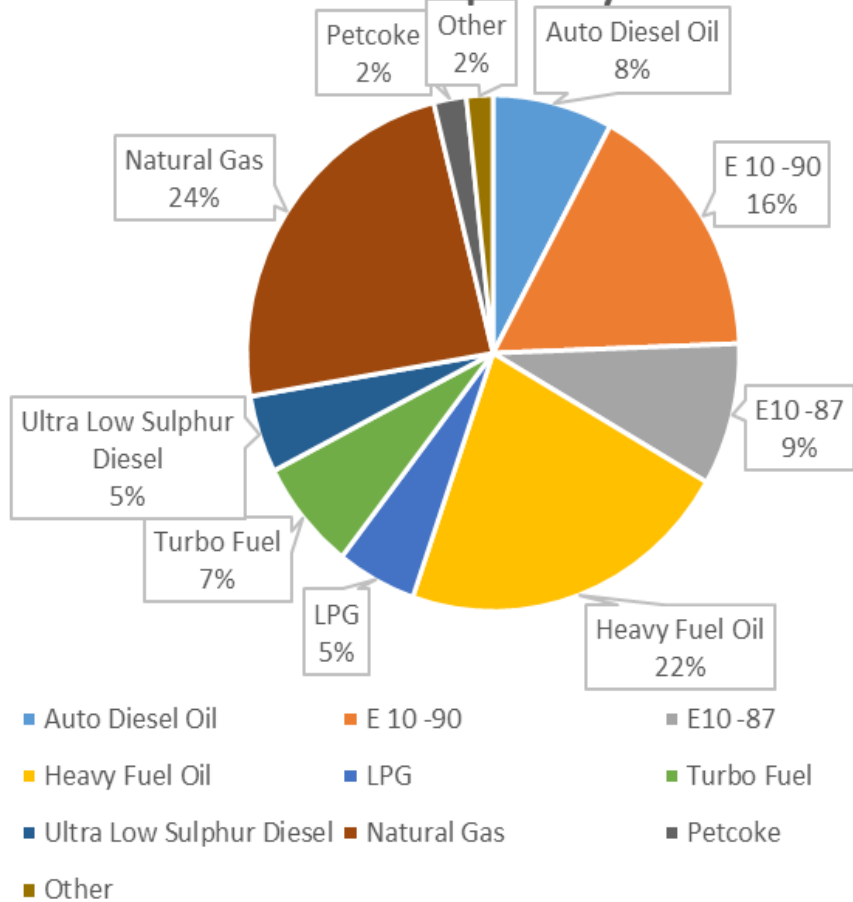


TABLE 4. PETROLEUM PRICES FOR SELECTED PRODUCTS (J\$/LITRE)

Refinery Billing Price

Year	E10-90	E10-87	AD.O	ULSD
2019	133.31	130.67	135.91	139.53
2020	121.48	117.00	116.96	120.97
2021	144.92	140.42	137.11	141.16
2022	195.17	190.52	208.41	213.75
2023	177.66	173.08	182.95	191.88

NOTE: All prices are mean values

Source: Petrojam Limited

**TABLE 5. JAMAICA'S TOTAL EXPORT
2019 - 2023**

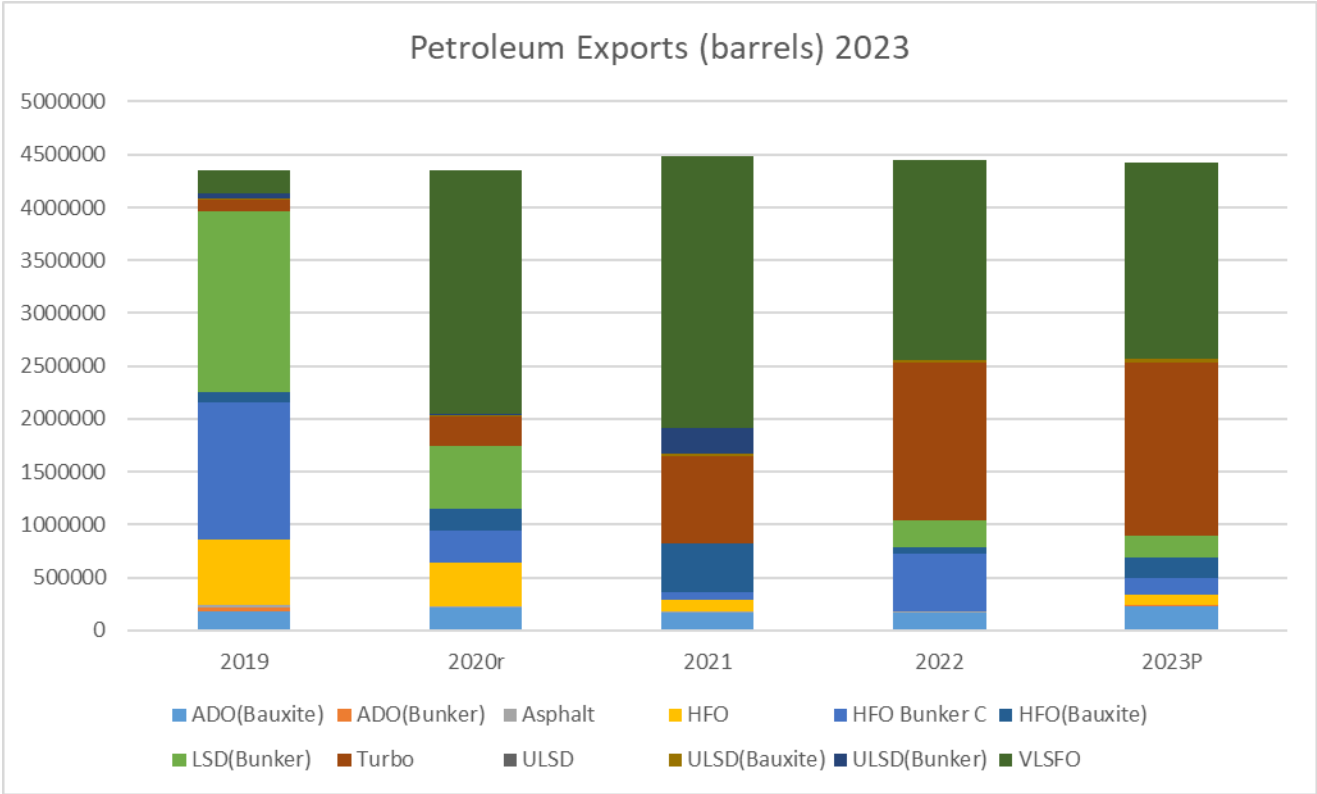
Products	2019	2020	2021	2022	2023p
	Volume	Volume	Volume	Volume	Volume
	(bbl)	(bbl)	(bbl)	(bbl)	(bbl)
ADO (bauxite)	177,238	221,318	170,674	162,098	226,758
ADO (Bunker)	32,594		1,391	10,499	10,393
ADO					166,401
Asphalt	34,690	10,177	5,616	5,475	2,712
HFO	615,562	405,159	108,190		91,089
HFO Bunker C	1,290,576	309,009	78,236	552,692	168,138
HFO(Bauxite)	98,643	201,700	461,496	60,022	194,086
HSFO					303,352
LSD (Bunker)	1,714,128	601,559		248,380	199,656
Turbo	108,064	272,115	820,290	1,492,948	1,642,743
Mogas 87					95,466
ULSD	-	1,438			
ULSD (Bauxite)	10,648	14,996	19,881	22,412	27,605
ULSD (Bunker)	52,491	9,742	248,095	113	714
VLSFO	212,541	2,299,662	2,569,522	1,892,136	1,855,599
Grand Total	4,347,175	4,346,875	4,483,391	4,446,775	4,984,712

SOURCE: Petrojam Ltd.

Note:

p - preliminary

r= revised



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**TABLE 6. JAMAICA'S TOTAL PRODUCTION FROM CRUDE (bbl)
2019-2023**

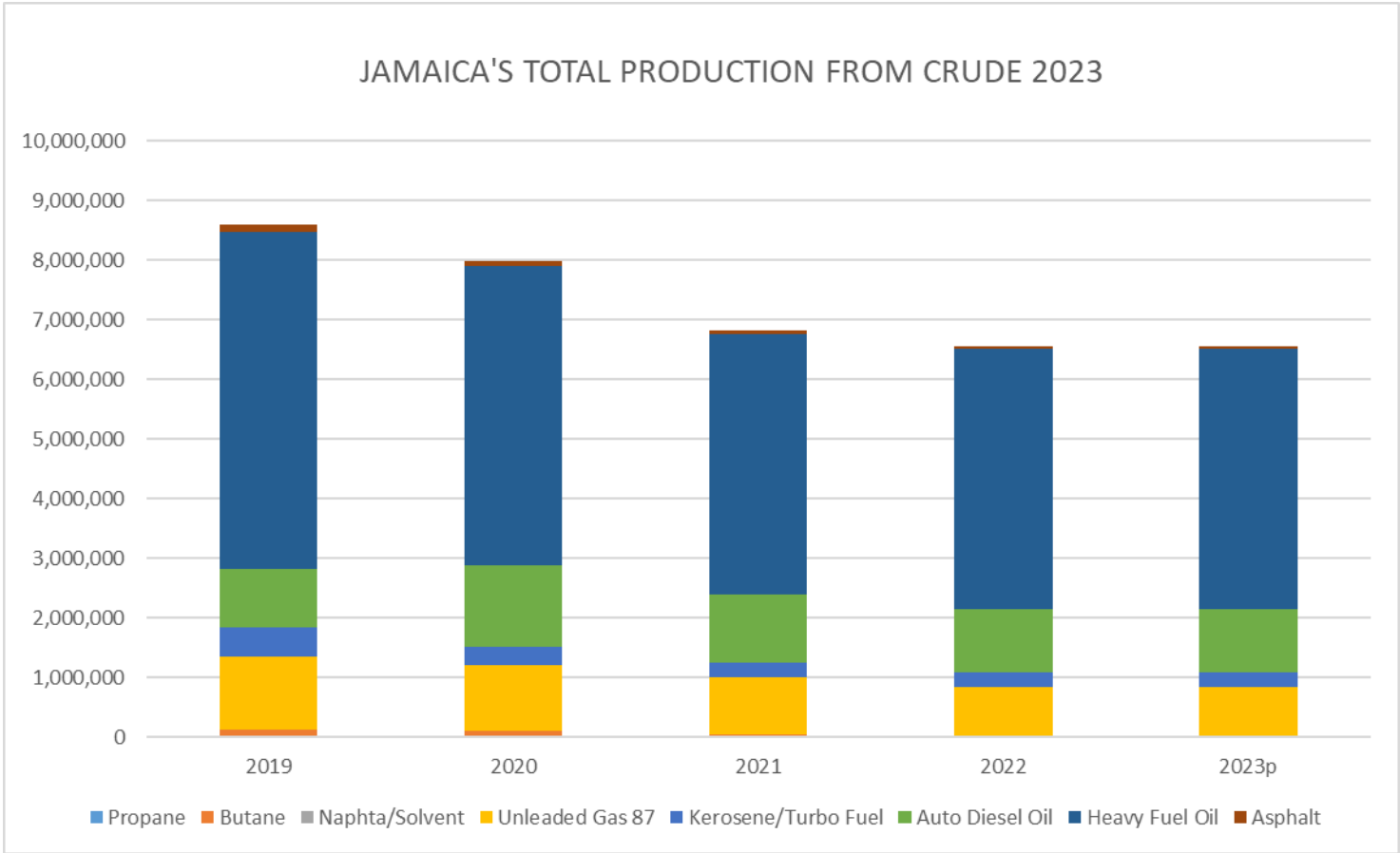
PRODUCT	2019	2020r	2021	2022	2023p
Propane	34,349	28,525	10,817	1,973	6,823
Butane	97,348	77,893	38,284	23,407	52,491
Naphta/Solvent	304	327	242	179	222
Unleaded Gas 87	1,223,952	1,112,491	968,909	826,848	847,832
Kerosene/Turbo Fuel	485,811	303,422	241,282	246,055	263,324
Auto Diesel Oil	976,479	1,368,296	1,140,213	1,049,141	1,031,718
Heavy Fuel Oil	5,644,351	5,013,787	4,358,626	4,368,233	3,801,573
Asphalt	128,613	71,119	70,973	49,228	89,500
TOTAL	8,591,207	7,975,860	6,829,346	6,565,064	6,093,483

SOURCE: Petrojam Ltd.

Note:

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**Table 7. JAMAICA'S TOTAL ENERGY CONSUMPTION
2019 - 2023**

ENERGY SOURCES	UNIT MEASURE	2019	2020r	2021	2022p	2022p
PETROLEUM BASED	('000 bbl)					
Auto Diesel Oil	"	1,965	1,420	1,564	1,809	1,648
E10 - 87	"	2,054	1,746	1,684	1,824	1,865
E10 - 90	"	2,943	2,667	2,967	3,122	3,460
Fuel Oil	"	10,611	7,865	5,965	5,218	4,596
Kerosene	"	19	28	43	53	6
Liquid Petroleum Gas	"	1,181	1,069	1,120	1,004	1,096
Turbo Fuel	"	1,724	807	821	1,435	1,452
Ultra Low Sulphur Diesel	"	889	612	926	1,116	1,014
Low Sulphur Diesel (LSD)	"	109	278	392	156	200
Petcoke	"	-	-	-	-	447
Total Petroleum (1)	"	21,495	16,491	15,482	15,737	15,784
Petroleum - BOE (2)	"	20,740	15,806	14,677	14,576	15,015
ALTERNATIVE ENERGY						
Natural Gas	000 MWh	1,151	2,481	2,543	2,386	2,810
	000 BOE	713	1,537	1,576	1,432	1,741
Hydropower	000 MWh	155	136	139	119	110
	000 BOE	96	84	86	71	68
Wind	000 MWh	272	280	264	272	232
	000 BOE	169	174	163	163	144
Solar	000 MWh	90	124	132	131	133
	000 BOE	56	77	82	79	83
Coal	000 TONNES	85	91	96	87	3
	000 BOE	427	457	483	416	13
Bagasse - BOE	"	325	266	251	230	178
Alternative Energy - BOE	"	1,785	2,595	2,641	2,391	2,227
Total Petroleum & Alternative Energy	000 BOE	22,525	18,400	17,318	16,967	17,242

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

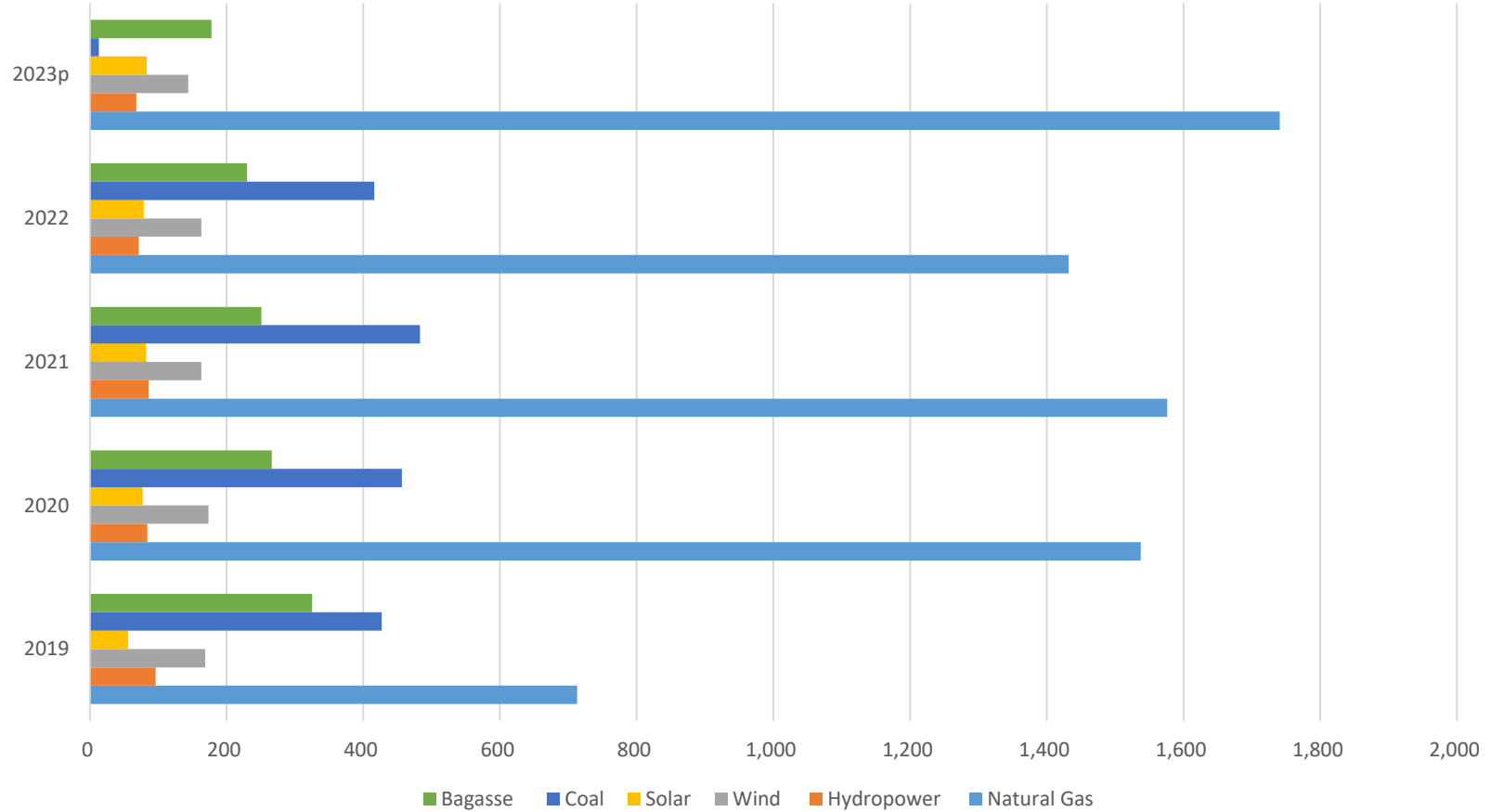
Fuelwood and Charcoal data unavailable

p - preliminary

r - revised

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Jamaica's Alternative Energy Consumption (000 BOE) 2023



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TABLE 8. JPS ELECTRICITY STATISTICS

ELECTRICITY GENERATION (MWh)					
Category	2019	2020	2021	2022	2023p
Petroleum	2,757,259	1,206,233	1,226,317	1,516,217	1,378,864
Natural Gas	1,150,761	2,481,186	2,543,490	2,385,955	2,810,863
Hydro	155,212	135,581	138,432	119,442	110,284
Wind	272,010	280,321	263,808	271,820	231,724
Solar	89,597	124,112	131,908	131,337	133,124
Total Net Generation	4,424,839	4,227,433	4,303,955	4,424,771	4,664,859
<i>Losses</i>	1,148,916	1,184,788	1,217,766	1,254,574	1,299,607
Losses as a % of Net Generation	26%	28%	28%	28%	28%

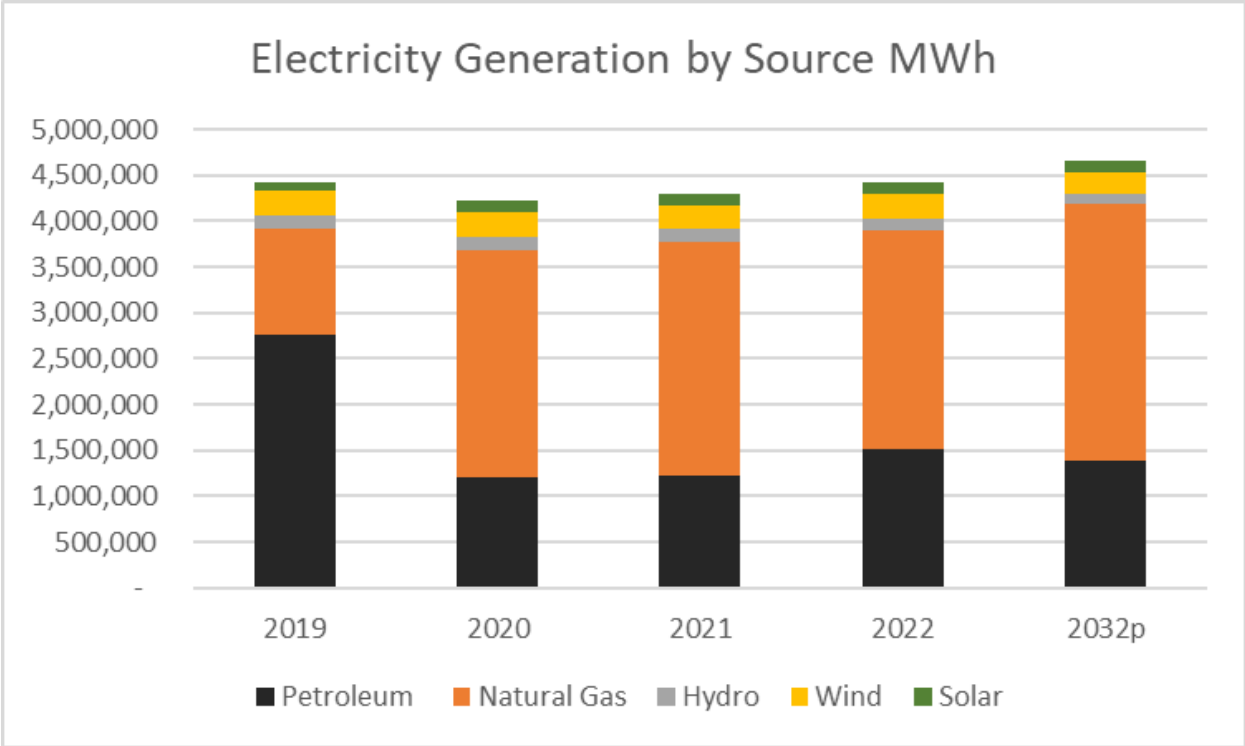
ELECTRICITY SALES (MWh)					
Category	2019	2020	2021	2022	2023p
Rate 10 (Residential)	1,100,738	1,138,658	1,123,328	1,080,875	1,147,708
Rate 20 (General Service)	615,424	554,019	545,915	589,456	633,586
Rate 40 (Power Service)	811,884	740,678	742,629	775,119	811,180
Rate 50 (Large Power)	371,289	331,857	343,079	361,261	376,909
Rate 60 (Street Light)	59,428	51,546	49,432	41,455	39,839
Rate 70 (Largest Power Customers)	294,237	225,798	281,811	322,033	355,645
Other	22,936	86			
TOTAL	3,275,936	3,042,642	3,086,194	3,170,199	3,364,867

SOURCE: Jamaica Public Service and Independent Power Producers

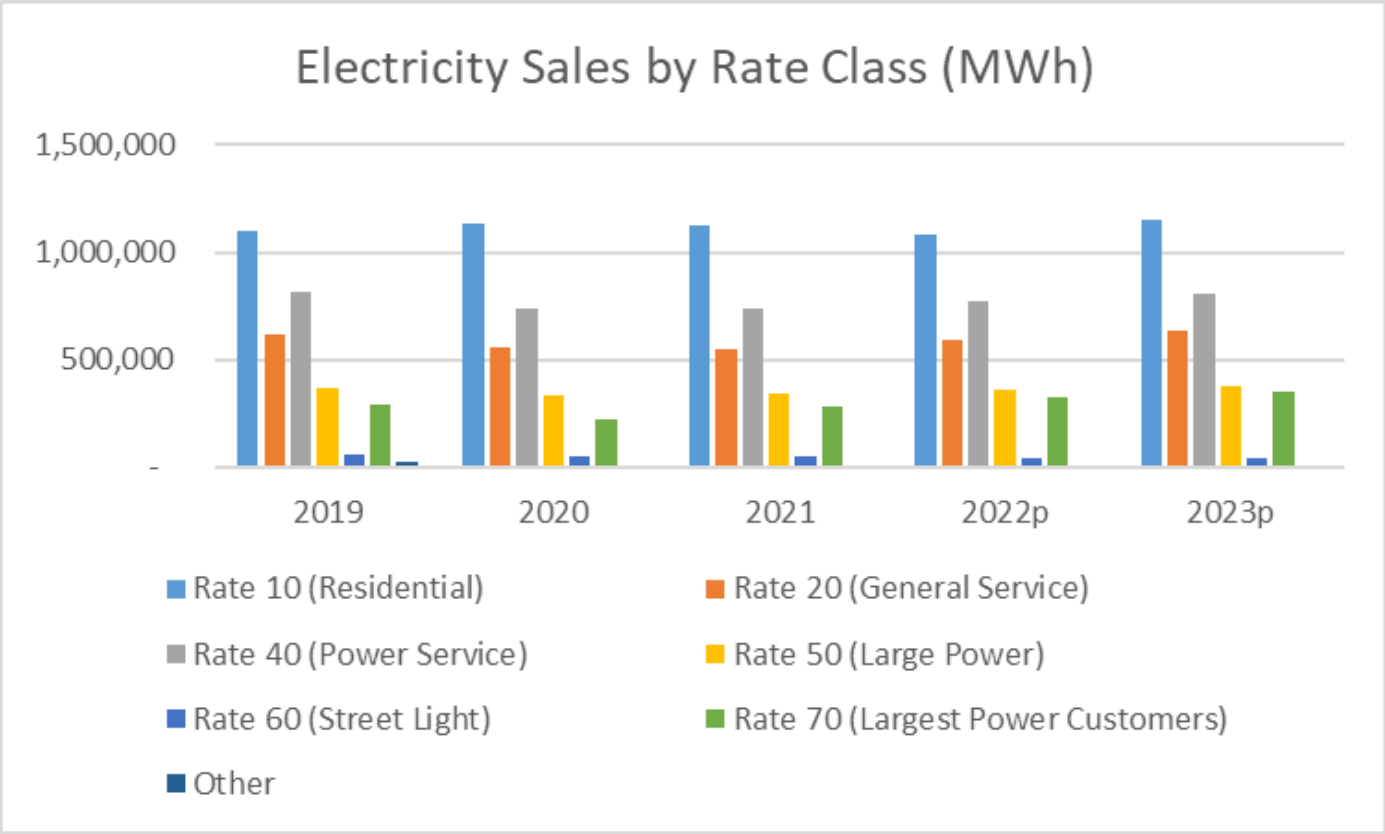
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Trends in JPS Rate Charges (Jamaican Cents/kWh)

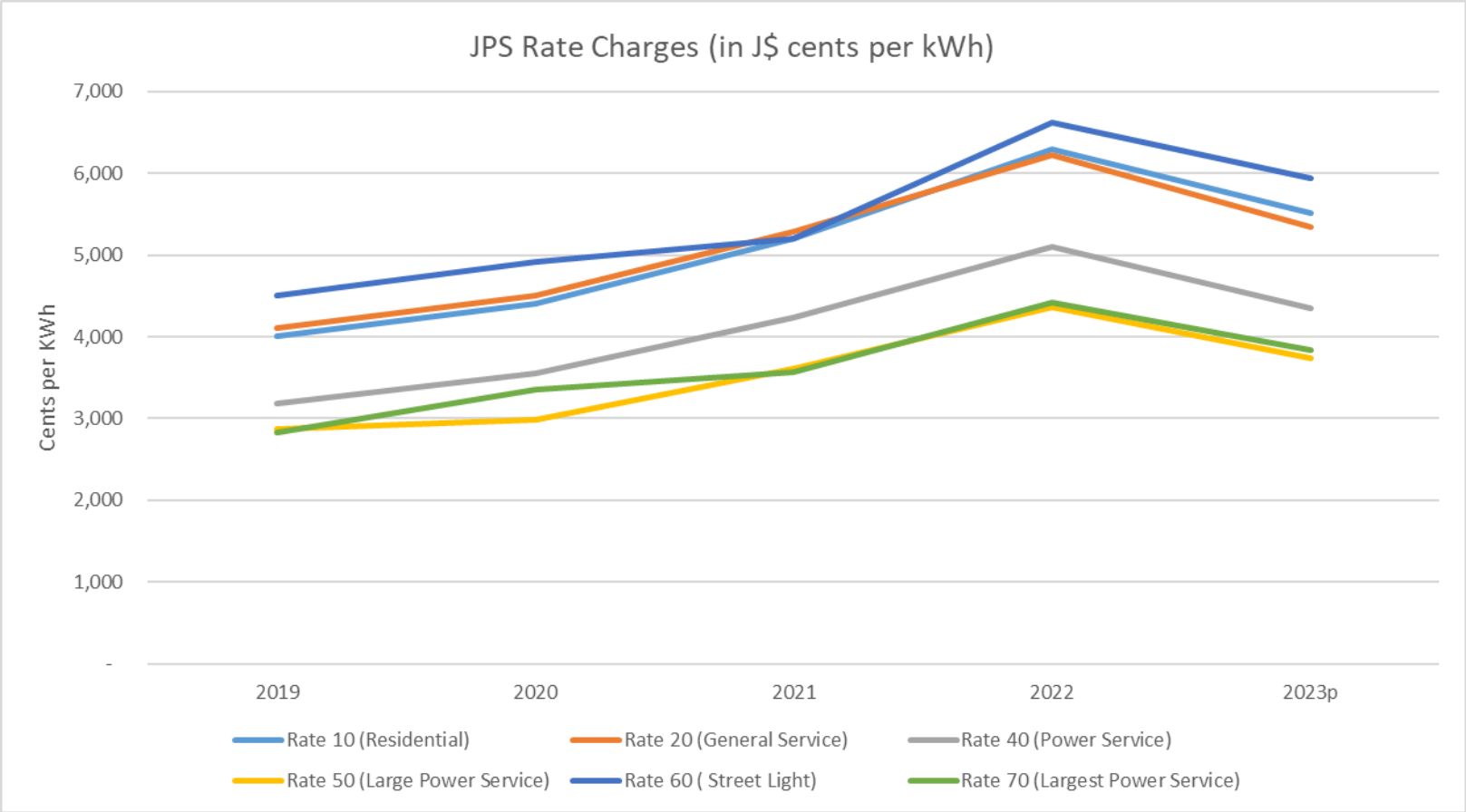
Rate Class	2019	2020	2021	2022	2023p
Rate 10 (Residential)	4,006	4,404	5,204	6,292	5,514
Rate 20 (General Service)	4,104	4,504	5,290	6,219	5,339
Rate 40 (Power Service)	3,187	3,559	4,240	5,104	4,353
Rate 50 (Large Power Service)	2,876	2,992	3,609	4,357	3,731
Rate 60 (Street Light)	4,501	4,911	5,198	6,613	5,932
Rate 70 (Largest Power Service)	2,827	3,351	3,571	4,413	3,840
Average Rate Charge	3,569	3,993	4,657	5,579	4,773
US Cents per KWh	27	28	31	36	31

Source: Jamaica Public Service Company Limited

Note:

p - preliminary

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