

Daily System Generation Summary on Friday

Friday, August 23, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,020 MW
Distillate	0 MW
Total TNB	2,020 MW
Total IPP	15,825 MW
Total Co-Gen	0 MW
Total System	20,866 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,493	2.29 %
Gas	37,978	10.23 %
Total TNB	46,471	12.52 %
ST-Coal	194,079	52.29 %
LSS	1,839	0.50 %
Gas	127,012	34.22 %
Total IPP	322,930	87.01 %
Co-Gen	1,378	0.37 %
Total Co-Gen	1,378	0.37 %
Total Generation	370,779	99.90 %
PLTG	340	0.09 %
HVDC	-697	-0.19 %
Interconnection	-357	-0.10 %
Net Energy	371,136	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,156 MW
TNB Generation	2,359 MW
IPP Generation	15,050 MW
Spinning Reserve	1,685 MW
Maximum Demand	17,553 MW
Net Energy	371,136 MWH
Load Factor	88.10 %

Fuel Cost

Total Cost:	70,990,811.35 RM
Cost per Unit	19.13 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	527
Hydro	388
Syncon	507
Thermal	143
Total	1,565

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	212
Total TNB	265
CBPS	54
KLPP	100
NPRI	157
PGLA	75
PLPS	99
PTEK	2
SGB3	60
SGRI	174
SKSP	51
YPKA	77
Total IPP	850
Total Gas	1,115

Total Gas Required 1,115

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	15302	14491	14011	13588	13209	13070	13232	13291	13485	15003	16019	16833	16685	16364	16610	17397	17467	17140	16020	15755	16845	16755	16295	16033

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, August 26, 2019 8:08:22 AM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Friday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300					
JMAH	U002	694	694	693	695	694	695	693	694	693	693	692	692	694	694	695	695	694	694	692	693	693	694	694	697	694	694	692	695	694
JMHE	U001	981	984	981	792	803	794	797	799	801	802	798	798	794	801	799	803	801	922	985	983	978	982	981	983	980	980	979	979	980
JMHE	U002	523	520	520	521	524	518	517	518	520	520	519	521	516	520	522	520	520	517	523	519	521	521	520	521	519	519	519	518	520
JMJG	U001	682	678	677	679	678	667	674	665	672	671	672	672	669	674	669	674	677	672	672	671	672	669	681	671	675	676	689	668	673
JMJG	U003	672	664	667	668	667	666	670	667	668	667	667	668	666	668	667	666	667	664	666	667	666	668	668	664	671	667	669	663	665
JMJG	U004	976	974	977	942	854	807	807	807	808	808	806	809	807	809	809	810	807	901	981	982	979	980	980	975	975	973	973	976	976
PKLG	U003	283	286	284	284	282	280	285	282	283	282	282	283	284	284	286	285	284	285	282	283	282	281	282	283	282	281	280	281	283
PKLG	U005	469	470	468	468	468	468	470	470	470	470	471	468	470	470	468	473	469	468	470	471	471	472	470	471	471	472	470	468	
TBIN	U001	687	691	691	687	689	690	688	690	688	688	688	687	688	689	687	688	692	689	690	686	689	689	686	690	689	691	686	687	690
TBIN	U002	693	694	691	695	694	695	695	694	694	694	692	695	691	696	693	692	697	692	695	693	692	692	693	691	692	691	691	691	691
TBIN	U003	691	693	691	691	693	693	693	691	690	693	694	693	691	692	691	693	696	695	693	694	693	693	694	692	692	693	691	692	693
TBIN	U004	983	983	983	946	859	802	802	802	803	803	802	803	803	803	804	803	823	914	982	982	983	983	983	982	982	982	982	983	983
Total ST-Coal		8334	8331	8323	8068	7905	7775	7791	7779	7790	7789	7786	7785	7778	7797	7787	7809	7802	8028	8264	8320	8321	8322	8324	8328	8309	8314	8309	8336	8305
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	BLK2	361	363	358	358	363	360	361	365	362	365	360	362	362	355	355	362	361	362	361	361	361	359	350	357	362	362	359	362	360
GLGR	GT01	88	67	68	70	69	67	68	69	68	68	70	69	67	69	69	68	69	85	85	98	101	102	101	100	99	99	100	100	99
GLGR	GT02	90	68	69	69	69	68	68	68	69	69	69	69	69	69	85	86	100	101	100	102	101	101	101	100	101	100	101	100	100
GLGR	ST1C	83	70	69	69	70	69	69	70	70	69	69	69	69	69	81	80	83	89	89	89	89	89	89	89	89	89	89	89	89
KLPP	GT13	132	120	120	120	119	121	119	119	121	119	119	119	121	120	120	120	113	135	135	135	137	136	141	140	138	115	122	141	141
KLPP	GT14	143	75	0	0	0	0	0	0	0	0	0	0	0	14	67	121	146	150	151	153	153	151	151	123	132	151	151	151	
KLPP	GT15	142	130	131	131	135	130	129	131	129	130	130	131	131	135	130	122	143	142	147	148	148	148	148	148	123	127	147	147	146
KLPP	ST17	194	187	126	126	130	126	127	127	126	126	124	124	127	127	130	126	130	154	192	200	200	200	201	201	201	204	203	188	192
NPRI	BLK1	505	506	503	508	508	503	502	505	506	505	505	505	503	506	505	502	507	499	501	505	506	509	506	506	505	505	506	506	505
NPRI	BLK2	506	508	505	509	510	505	502	506	507	508	507	507	503	508	508	503	508	500	502	506	508	512	508	507	507	500	495	507	504
PCGP	PGRG	450	401	349	354	360	397	404	399	403	405	403	404	398	403	402	400	406	441	448	451	451	506	553	553	552	540	484	498	502
PGLA	GT11	212	212	175	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	126	226	226	224	220	216	214	214
PGLA	GT12	218	217	182	184	183	181	181	181	167	148	148	128	128	129	128	129	129	129	128	128	233	235	176	171	236	235	232	227	222
PGLA	ST10	238	236	217	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	114	88	129	253	253	253	246	247	244
PLPS	GT11	135	0	0	0	0	0	0	0	0	0	0	0	0	0	33	150	111	116	137	133	139	133	130	132	126	110	116	133	
PLPS	GT12	139	119	119	129	129	129	129	59	60	60	59	118	119	120	119	120	115	121	140	137	143	137	133	137	130	115	118	137	134
PLPS	GT13	131	109	108	118	119	118	118	93	61	61	59	60	108	108	107	108	108	108	114	134	130	135	129	125	130	124	108	113	129
PLPS	ST18	211	157	133	139	139	139	139	136	87	85	85	85	130	133	134	132	199	203	198	213	210	213	211	209	210	209	197	201	209
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	143	135	142	122	110	115	132	140	143
SGB3	GT33	135	135	135	135	136	135	136	135	136	135	134	135	134	133	135	135	134	132	135	135	138	139	137	131	134	118	104	109	128
SGB3	ST34	72	72	73	73	72	72	73	73	73	73	72	72	72	72	72	72	72	74	74	74	76	144	148	149	145	133	133	141	152
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	135	130	135	135	125	125	130	120	106	109	108	
SGRI	GT12	140	140	140	140	140	140	110	71	73	71	70	70	70	72	72	70	70	141	138	132	132	137	127	127	133	123	109	109	110
SGRI	GT13	133	133	133	133	133	135	109	64	65	64	65	65	64	65	64	64	69	137	133	130	135	138	141	145	134	134	134	134	134
SGRI	ST14	148	150	149	149	150	145	134	104	100	102	105	100	106	102	100	103	106	151	220	210	219	216	208	214	215	213	203	207	209
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	135	134	131	132	127	111	114	118	128
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	141	141	141	138	135				

Daily MW Generation on Friday

[illegible]