

Daily System Generation Summary on Saturday

Saturday, July 27, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,743 MW
Distillate	0 MW
Total TNB	1,743 MW
Total IPP	16,374 MW
Total Co-Gen	0 MW
Total System	21,041 MW

Generation Mix

Type	MWh	Percentage
Hydro	5,735	1.64 %
Gas	34,240	9.79 %
Total TNB	39,975	11.43 %
ST-Coal	216,226	61.85 %
LSS	1,641	0.47 %
Gas	90,766	25.96 %
Total IPP	308,633	88.28 %
Co-Gen	142	0.04 %
Total Co-Gen	142	0.04 %
Total Generation	348,750	99.76 %
PLTG	-144	-0.04 %
HVDC	-697	-0.20 %
Interconnection	-841	-0.24 %
Net Energy	349,591	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:	20:00:00 Hour
Total Set On Bus	17,176 MW
TNB Generation	2,116 MW
IPP Generation	13,707 MW
Spinning Reserve	1,349 MW
Maximum Demand	15,897 MW
Net Energy	349,591 MWH
Load Factor	91.63 %

Fuel Cost

Total Cost:	63,553,219.31 RM
Cost per Unit	18.22 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	557
Hydro	173
Syncon	632
Thermal	226
Total	1,588

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	28
SRDG	3
TJGS	210
Total TNB	241
CBPS	54
KLPP	53
NPRI	80
PGLA	109
PLPS	81
PTEK	6
SGRI	68
SKSP	47
YPKA	62
Total IPP	560
Total Gas	801

Total Gas Required 801

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	15345	14638	14053	13709	13234	13055	13041	12903	12668	13930	14704	15194	15143	14915	15238	15355	15286	15101	14613	14782	15897	15693	15457	15205

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, July 31, 2019 3:43:02 PM
(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

		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	U001	692	693	694	692	693	692	693	692	691	691	692	694	692	692	691	694	682	695	690	693	695	689	693	693	692	691	692	693	694	693	691	695	693	693	693	689	693	690	690	689									
JMAH	U002	694	697	693	693	695	695	693	695	694	694	686	695	694	696	692	694	692	694	706	694	692	695	685	694	702	692	693	692	693	694	695	693	693	693	694	696	690	692	694	694	696	697	694	692	694	689	689	695	
JMHE	U002	512	516	509	509	511	510	513	514	514	517	512	513	510	513	509	513	511	514	515	513	512	376	337	178	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
JMJG	U001	669	671	672	672	670	669	671	674	673	677	672	668	672	671	670	674	675	677	673	678	672	690	669	671	674	668	669	673	668	672	671	671	667	671	671	667	672	672	671	673	671	673	668	671	671				
JMJG	U003	669	668	667	667	668	668	668	666	670	671	668	669	668	669	666	667	665	667	666	667	666	667	666	667	666	667	666	667	669	671	676	664	669	668	672	668	668	668	670	671	664	666	667	668	667	671	669		
JMJG	U004	985	989	985	986	985	988	795	785	785	785	783	782	786	786	787	785	786	786	785	788	785	906	906	906	983	982	983	985	983	983	981	983	982	981	982	983	978	979	978	979	980	980	980	981	980	980	978	980	983
JMJG	U005	979	978	979	979	975	859	797	779	777	780	782	779	781	781	782	782	782	780	782	782	900	909	900	955	975	980	975	977	976	977	977	972	978	976	978	971	977	975	974	973	975	976	975	974	977	981	972	974	
PKLG	U003	283	284	285	280	283	280	281	281	284	280	285	281	281	283	283	282	280	280	282	282	281	281	282	282	283	281	281	283	284	284	282	284	285	284	282	283	281	287	283	282	284	282	281	280	283	282	285	284	
PKLG	U005	469	468	469	470	470	471	470	470	470	470	470	470	470	470	470	470	470	470	470	467	470	469	468	470	469	469	469	469	469	470	470	471	470	470	468	471	468	470	471	471	470	464	469	469	470	470	470		
PKLG	U006	469	470	465	467	466	464	465	463	466	468	471	470	468	470	469	465	465	465	466	469	469	465	466	469	469	466	466	468	468	470	467	468	464	467	469	469	470	471	471	469	468	469	468	468	469</				

[illegible]

Daily MW Generation on Saturday

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																								
TIE-PLTG		15	-14	-42	-28	-11	-14	-20	-48	3	9	25	-22	0	-37	69	-8	-16	-11	-47	-67	-53	-41	-48	10	-12	-19	-20	-4	20	-31	41	-8	9	34	27	22	16	12	7	-20	-42	-14	2	8	7	58	5	7
Interconnection		-16	-44	-71	-57	-40	-43	-49	-76	-25	-21	-4	-52	-31	-66	40	-37	-45	-40	-76	-96	-81	-69	-76	-19	-40	-48	-50	-34	-9	-60	12	-37	-20	4	-4	-7	-12	-17	-22	-49	-70	-43	-26	-21	-21	29	-24	-23
System Total		15345	14966	14638	14393	14053	13877	13709	13554	13234	13151	13055	13120	13041	13119	12903	12604	12668	13291	13930	14219	14704	15064	15194	15402	15143	14955	14915	15120	15238	15428	15355	15371	15286	15363	15101	14843	14613	14679	14782	15448	15897	15744	15693	15618	15457	15340	15205	15164
SRev ST-Coal		153	138	156	155	156	382	391	390	383	379	393	393	396	386	390	389	404	379	384	381	394	365	444	329	266	152	158	153	157	136	143	141	153	147	150	162	159	155	156	153	145	149	160	163	149	163	155	155
SRev OCGT-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	0	0	0	0	0	0	0	0	0	12	45	114	118	121	153	120	0	0	
SRev CCGT-Gas		654	724	793	557	663	575	513	628	897	987	1053	1042	1095	1067	1190	1728	1686	1055	778	624	512	408	452	327	503	633	741	752	692	534	485	541	566	476	639	848	1057	972	901	538	404	414	430	365	435	384	477	486
SRev 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev LSS		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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-8	15	24	24	25	26	25	25	25	27	26	25	25	24	25	26	25	25	25	25	25	24	24	27	24	26	25	23	24	25	24	26	24	26	23	24	24	25	26	24	24	27	24	27	25	26		
Syncon		687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	601	601	601	601	689	689	687	687	687	687	687	687	687	687	687	500	500	500	500	687	687	687	687	
Hydro		163	136	105	133	132	133	129	131	132	129	130	125	131	128	136	132	115	93	116	93	136	92	93	118	189	185	190	183	183	216	166	160	168	166	136	134	135	135	160	314	229	284	277	253	142	150	157	112
S.Reserve Total		1649	1700	1765	1556	1663	1803	1745	1861	2124	2209	2289	2272	2334	2292	2428	2962	2917	2239	1990	1810	1754	1576	1700	1488	1583	1597	1715	1712	1745	1600	1505	1555	1598	1502	1635	1855	2062	1974	1930	1542	1349	1485	1509	1429	1590	1531	1501	1466