

Daily System Generation Summary on Saturday

Saturday, November 6, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,361 MW
Distillate	0 MW
Total TNB	2,361 MW
Total IPP	13,818 MW
Total Co-Gen	0 MW
Total System	18,747 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,814	5.31 %
Gas	39,302	11.72 %
Total TNB	57,116	17.04 %
ST-Coal	166,200	49.57 %
LSS	3,455	1.03 %
Gas	107,516	32.07 %
Total IPP	277,171	82.67 %
Co-Gen	1,243	0.37 %
Total Co-Gen	1,243	0.37 %
Total Generation	335,530	100.07 %
PLTG	-468	-0.14 %
HVDC	719	0.21 %
Interconnection	251	0.07 %
Net Energy	335,279	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	17,255 MW
TNB Generation	3,472 MW
IPP Generation	12,648 MW
Spinning Reserve	1,082 MW
Maximum Demand	16,113 MW
Net Energy	335,279 MWH
Load Factor	86.70 %

Fuel Cost

Total Cost:	70,341,449.68 RM
Cost per Unit	20.96 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	495
Hydro	368
Syncon	572
Thermal	335
Total	1,770

Time	Weather	Temperature
Afternoon	Hot	31
Morning	Sunny	25

Gas Usage

Station	(mmcsfd)
GLGR	48
SRDG	3
TJGS	108
Total TNB	159
CBPS	54
KLPP	77
NPRI	161
PGLA	105
PLPS	63
SGB3	56
SGRI	8
SKSP	13
Total IPP	537
Total Gas	696
Total Gas Required	696

Alternate Fuel Usage

Station	(mmcsfd)
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	13773	13323	12854	12509	12212	12110	12113	12024	11960	13044	13923	14395	14362	14346	14629	14881	15149	14944	14630	15441	16019	15707	15314	15093

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, December 6, 2021 6:42:50 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	
JMAH	U002	697	398	347	354	351	353	354	354	355	354	355	354	355	355	353	355	354	353	353	354	353	355	355	355	351
JMHE	U001	902	900	835	850	847	852	801	799	802	802	800	801	799	801	801	799	797	855	853	850	923	923	921	917	921
JMHE	U002	900	898	854	849	849	853	802	799	800	799	797	802	799	801	799	797	799	800	798	852	850	871	920	922	923
JMJG	U001	670	671	672	664	673	670	676	671	671	626	591	596	598	597	601	594	595	640	671	677	664	668	663	673	666
JMJG	U002	673	671	673	674	672	668	679	671	675	625	592	602	598	597	595	596	596	631	670	668	662	662	667	668	667
JMJG	U005	890	891	850	848	853	851	796	804	801	801	798	801	800	800	797	799	800	801	799	852	856	895	890	891	888
PKLG	U003	232	222	221	175	150	150	150	151	151	151	152	152	151	153	152	152	152	153	218	263	279	278	279	280	278
PKLG	U004	221	210	210	149	152	155	154	157	153	156	155	156	154	153	153	155	154	155	153	223	262	276	278	276	275
PKLG	U005	377	370	368	318	261	270	269	269	269	267	271	270	269	267	270	268	271	271	267	323	395	459	466	467	470
PKLG	U006	449	447	449	421	383	313	271	269	269	268	268	269	268	269	352	436	447	450	449	450	451	449	451	453	
TBIN	U001	648	650	652	600	600	570	551	501	500	500	450	451	451	450	452	399	401	461	576	691	687	686	686	687	689
TBIN	U002	649	642	652	599	601	552	551	501	503	502	453	453	452	452	453	402	402	475	630	690	690	689	689	690	689
TBIN	U003	349	349	348	349	349	348	349	348	348	349	349	349	349	349	351	348	349	349	348	349	349	348	349	348	347
Total ST-Coal		7657	7319	7131	6850	6741	6605	6403	6294	6297	6200	6030	6056	6044	6042	5934	5947	6154	6573	7129	7258	7424	7601	7627	7614	7609
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
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
CBPS	BLK2	358	357	357	359	357	358	359	359	359	359	363	360	360	360	361	360	359	357	360	365	364	357	357	357	356
EMPP	BLK2	756	760	761	759	755	756	759	759	762	762	761	770	768	763	769	777	779	758	748	720	717	712	694	693	696
GLGR	GT01	69	69	69	68	68	68	67	69	68	68	69	68	68	69	68	67	69	68	68	69	91	99	85	65	67
GLGR	GT02	67	67	68	67	67	67	67	67	68	67	67	67	67	67	67	67	67	67	67	89	99	83	66	67	67
GLGR	ST1C	71	71	71	71	71	71	71	71	71	72	71	71	71	71	71	72	71	71	72	72	86	91	84	73	71
KLPP	GT13	127	127	128	129	128	127	128	128	127	128	131	128	128	131	128	129	128	128	131	133	129	128	126	132	131
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	61	150	150	152	
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	130	
KLPP	ST17	67	66	67	66	66	66	66	66	66	66	67	66	66	66	65	66	67	65	66	66	67	66	83	142	136
NPRI	BLK1	509	514	515	516	517	515	515	516	510	515	520	513	515	519	513	512	518	515	515	520	519	516	514	517	506
NPRI	BLK2	512	518	518	520	518	518	518	519	514	521	525	517	519	523	518	514	519	519	519	523	523	520	518	519	510
PCGP	PGRG	592	602	602	604	603	604	602	603	597	603	610	600	602	606	600	600	606	601	603	609	610	603	600	603	590
PGLA	GT11	167	168	169	169	169	168	169	168	167	169	170	168	168	170	169	169	170	169	169	170	218	217	216	216	213
PGLA	GT12	170	173	172	173	172	173	173	173	171	173	174	172	173	174	172	172	174	173	172	173	221	220	220	220	216
PGLA	ST10	202	204	203	204	203	204	204	204	203	204	205	204	204	204	204	205	205	205	243	242	242	242	241	218	240
PLPS	GT11	129	129	129	129	129	128	129	129	128	129	128	128	128	129	128	129	128	129	128	143	143	142	128	128	128
PLPS	GT12	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
PLPS	GT13	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
PLPS	ST18	57	57	57	57	57	57	57	57	57	58	57	57	57	56	57	57	57	57	57	57	59	58	59	56	57
SGB3	GT31	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
SGB3	GT32	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
SGB3	GT33	108	111	111	114	114	113	113	113	110	113	113	112	112	112	113	114	112	112	113	114	140	140	106	104	104
SGB3	ST34	63	63	63	62	62	62	62	63	63	63	63	62	62	63	63	63	63	64	64	63	63	72	72	59	59
SGRI	GT23	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
SGRI	ST24	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
SKSP	BLK1	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
SPGP	BLK1	726	725	725	726	728	725	723	724	726	726	725	726	728	726	726	724	725	725	725	726	724	727	727	724	725
TJGS	GT1A	228	228	226	226	226	227	223	223	225	224	225	223	226	226	226	198	178	223	225	224	223	221	222	225	222
TJGS	GT1B	220	221	220	220	218	217	219	217	219	217	218	220	220	216	219	190	171	218	217	217	214	216	215	215	216
TJGS	ST1C	242	242	242	242	242	242	242	242	242	242	242	242	242	242	215	202	241	244	244	247	247	247	243	243	243
Total CCGT-Gas		5440	5472	5473	5481	5470	5466	5466	5470	5453	5479	5504	5474	5487	5493	5478	5395	5373	5467	5460	5457	5594	5710	5746	5810	5714

Daily MW Generation on Saturday

[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		
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TBLS	LSS1	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 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		
PCUF	CUFG	28	27	28	27	28	27	27	27	28	28	29	28	27	28	26	25	24	23	23	25	24	25	25	26	29	
PCUF	CUFK	26	26	27	23	25	26	25	25	27	24	26	26	26	28	26	27	26	24	23	25	27	24	25	26	27	
Total Co-Gen		54	53	55	50	53	53	52	52	55	52	55	54	53	56	54	55	55	51	51	51	52	48	48	48	56	
Total Gen		13720	13440	13260	12998	12817	12676	12478	12366	12203	12170	12082	12049	12117	12143	12020	11798	11937	12563	13022	13442	13898	14217	14403	14528	14891	
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		30	29	29	30	30	30	30	30	31	31	31	29	31	31	30	29	31	30	29	29	29	31	29	30	30	
TIE-PLTG		-81	-76	-89	-47	-63	-27	-57	-74	-36	-52	-56	-4	-21	-70	-32	-48	-50	-50	-50	-50	-18	-60	-2	31	-24	
Interconnection		-50	-47	-60	-18	-34	2	-28	-44	-6	-22	-25	27	7	-39	-1	-18	-20	-21	-19	-20	-22	-21	11	-31	5	
System Total		13773	13490	13323	13019	12854	12677	12509	12413	12212	12195	12110	12025	12113	12185	12024	11819	11960	12587	13044	13465	13923	14241	14395	14562	14889	
SRev ST-Coal		534	682	588	759	872	940	1015	1028	1020	1122	1188	1169	1174	1180	1177	1183	1178	1101	945	627	526	383	280	257	267	277
SRev CCGT-Gas		664	636	636	626	633	638	641	637	657	631	605	644	629	618	639	730	754	639	636	611	471	503	521	456	708	668
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	
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	
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	
SRev Co-Gen		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	
Syncon		699	699	699	699	699	614	765	765	866	866	866	866	866	866	715	866	866	578	578	866	765	825	825	588	739	1027
Hydro		176	149	144	128	192	343	187	194	245	204	150	178	110	91	348	261	179	223	214	144	137	133	207	375	306	204
S.Reserve Total		2073	2166	2067	2212	2396	2535	2608	2624	2788	2823	2809	2857	2779	2755	2879	3040	2977	2541	2373	2248	1899	1844	1833	1676	2020	2176