

Daily System Generation Summary on Saturday

Saturday, June 11, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,050 MW
Distillate	0 MW
Total TNB	2,050 MW
Total IPP	18,747 MW
Total Co-Gen	0 MW
Total System	24,722 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,410	2.09 %
Gas	46,345	13.04 %
Total TNB	53,755	15.13 %
ST-Coal	217,198	61.13 %
LSS	3,355	0.94 %
Gas	79,093	22.26 %
Total IPP	299,646	84.34 %
Co-Gen	794	0.22 %
Total Co-Gen	794	0.22 %
Total Generation	354,195	99.69 %
PLTG	-404	-0.11 %
HVDC	-704	-0.20 %
Interconnection	-1,108	-0.31 %
Net Energy	355,303	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	17,801 MW
TNB Generation	2,672 MW
IPP Generation	13,166 MW
Spinning Reserve	1,929 MW
Maximum Demand	15,905 MW
Net Energy	355,303 MWH
Load Factor	93.08 %

Fuel Cost

Total Cost:	83,627,349.30 RM
Cost per Unit	23.66 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,727
Hydro	334
Syncon	302
Thermal	131
Total	2,494

Time	Weather	Temperature
Afternoon	Rainy	30
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	118
Total TNB	147
CBPS	38
EMPP	250
NPRI	133
PCGP	64
PLPS	42
SPGP	170
Total IPP	698
Total Gas	844
Total Gas Required	844

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	15807	15185	14478	14072	13738	13410	13320	13185	12967	14161	14931	15564	15323	14973	15438	15634	15588	15245	15117	15305	15905	15749	15273	14871

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, June 21, 2022 12:57:10 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	U001	697	697	697	696	693	696	696	694	696	697	696	695	695	686	654	655	705	705	705	705	704	705	706	700	706	706	705	706	706	707	708	703	706	704	705	705	706	706	704	706	706	707	704	705				
JMAH	U002	696	696	698	698	693	698	694	695	697	696	695	696	694	696	682	652	655	707	703	708	705	708	704	705	689	706	706	707	704	703	705	703	704	703	705	706	705	704	705	701	706	702	703	707	706	704	707	707
JMJG	U002	672	673	674	671	674	673	676	676	674	675	674	674	673	676	673	673	673	673	677	673	670	677	672	676	675	672	675	673	674	677	668	675	676	677	676	672	673	673	674	674	673	674	674	673	672	673	672	673
JMJG	U003	673	668	671	671	672	671	670	669	673	672	667	671	670	664	675	669	671	662	662	679	671	667	678	671	668	665	672	669	673	678	667	667	671	677	674	664	678	671	668	673	666	668	671	676	678	667	676	675
JMJG	U004	977	978	974	958	903	854	856	854	857	855	854	856	860	860	864	853	854	879	903	904	952	972	978	976	978	975	977	977	974	977	977	980	977	976	977	976	977	980	971	968	967	966	963	970	972	970	975	970
JMJG	U005	974	975	972	939	848	848	849	853	849	850	851	851	850	851	848	846	850	900	899	903	952	973	970	968	969	972	970	973	975	974	976	971	979	977	973	975	971	976	974	977	977	977	976	974	975	975	975	975
PKLG	U003	279	280	277	281	275	277	277	277	279	277	278	277	278	277	246	151	151	261	276	280	280	279	279	278	278	277	274	278	277	279	275	281	278	280	279	278	277	278	277	279	280	274	276	278	278	277	278	
PKLG	U004	206	206	207	215	256	277	282	278	272	274	276	277	278	275	239	158	154	259	272	272	275	272	272	266	267	271	267	279	275	273	276	274	273	277	278	273	274	273	272	288	274	274	276	274	273	273	273	
PKLG	U005	467	471	467	468	467	468	467	468	470	469	467	471	464	427	353	267	300	397	464	468	467	468	466	466	469	465	470	464	464	472	470	468	468	468	468	464	469	477	464	468	466	473	469	466	470	466		
PKLG	U006	446	448	450	448	446	448	446	448	449	448	449	448	449	450	449	447	448	449	449	448	449	447	448	447	448	446	450	447	445	446	448	450	449	448	449	449	448	448	449	449	446	445	447	445	449	448	448	
TBIN	U001	685	684	689	685	686	688	686	686	687	687	685	686	686	686	687	648	679	700	698	699	697	699	697	697	698	696	698	702	699	697	699	701	699	697	699	698	700	698	699	697	698	694	702	697	695	699	699	
TBIN	U002	694	691	694	691	695	690	691	691	695	693	691	698	691	693	691	652	676	699	699	700	703	700	702	700	704	697	703	702	695	697	699	700	701	700	698	703	701	699	700	701	701	700	703	697	700	698	699	699
TBIN	U003	689	689	690	691	692	691	689	691	691	690	693	693	692	690	690	656	664	700	701	702	702	697	699	701	702	701	702	701	701	700	701	699	699	697	702	702	701	701	701	699	700	701	700	701	703	701	701	
TBIN	U004	938	936	937	915	854	853	855	852	854	857	852	851	853	853	855	856	899	902	902	938	937	939	939	940	937	939	936	937	937	937	937	937	936	938	935	938	935	939	940	939	936	937	935	937	937	937	937	934
Total ST-Coal		9093	9092	9097	9027	8854	8832	8834	8831	8840	8842	8829	8842	8839	8827	8711	8268	8254	8793	8938	9044	9170	9193	9215	9198	9187	9186	9204	9205	9207	9206	9211	9199	9222	9217	9218	9221	9209	9212	9202	9211	9209	9196	9182	9216	9211	9195	9213	9203
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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	BLK2	222	215	218	223	221	220	218	223	223	221	222	223	217	223	216	222	223	222	223	222	222	223	222	222	222	220	222	222	223	221	223	223	226	222	222	224	223	222	223	223	223	222	219	217	222	215	220	
EMPP	BLK1	691	685	684	709	703	702	668	599	573	514	472	442	406	416	403	411	435	412	466	564	485	551	605	556	502	412	422	565	532	610	621	594	563	536	464	474	427	472	536	662	670	647	683	696	682	654	640	577
EMPP	BLK2	691	683	684	710	704	704	667	599	574	516	467	439	404	416	404	408	435	413	466	561	485	551	605	556	501	412	424	564	532	607	623	594	561	537	459	472	427	473	537	662	670	650	681	696	682	656	640	574
EMPP	BLK3	690	684	687	709	704	703	619	551	523	464	421	409	404	413	403	409	422	413	425	497	421	484	535	486	429	411	405	494	468	542	561	539	502	477	412	412	416	416	471	603	608	586	625	698	682	604	590	526
GLGR	GT02	93	92	92	92	92	93	92	93	92	92	92	92	92	92	92	93	93	93	92	92	92	92	92	91	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	93	92	
GLGR	ST1C	39	40	41	39	40	40	39	39	40	40	39	39	40	40	40	41	39	39	41	40	41	40	39	40	41	41	39	40	40	40	41	40	40	40	40	40	39	39	39	40	41	39	39	41	40	39	39	
NPRI	BLK1	502	495	499	503	396	307	299	310	310	307	308	310	302	310	301	310	310	308	310	308	310	311	322	397	398	395	318	319	398	398	448	449	448	518	515	448	447	448	446	446	516	517	515	512	508	514	505	511
NPRI	BLK2	518	449	476	518	447	448	325	336	337	333	335	335	325	334	327	333	335	332	336	334	379	400	394	395	395	330	377	400	400	446	524	525	525	528	451	400	520	449	401	400	508	451	451	518	496	518	493	514
PCGP	PGRG	402	403	404	404	401	405	410	412	412	410	415	410	410	414	415	413	416	412	406	405	400	400	401	400	401	399	398	403	401	400	404	401	406	413	404	408	407	407	405	405	402	405	403	410	405	405	405	407
PLPS	GT11	115	112	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		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	GT13	112	109	121	125	124	124	124	125	124	125	124	125	124	124	124	124	124	125	124	124	125	124	124	125	124	125	125	125	124	125	126	125	124	125	125	123	122	108	108	108	109	108	123	124	124	124	124	
PLPS	ST18	131	131	87	57	58	58	57	58	57	57	57	57	58	58	58	58	58	58	58	58	59	58	58	58	58	58	58	58	58	58	58	58	59	58	58	59	114	132	132	133	132	134	90	60	59	59	60	
SPGP	BLK1	597	586	473	402	401	400	400	401	401	400	399	402	399	401	402	399	402	464	507	601	717	718	716	718	716	718	713	720	719	719	717	720	719	717	719	718	720	718	715	717	717	712	646	498	460	402	400	401
SPGP	BLK2	719	597	500	362	360																																											

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
KNRG	HY01	24	24	24	24	24	23	24	24	24	24	23	24	24	24	24	24	0	0	0	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21</

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																								
System Total		15807	15485	15185	14853	14478	14387	14072	13871	13738	13509	13410	13326	13320	13412	13185	12866	12967	13691	14161	14707	14931	15364	15564	15450	15323	15141	14973	15364	15438	15628	15634	15617	15588	15638	15245	15137	15117	15158	15305	15725	15905	15788	15749	15510	15273	14993	14871	14637
SRev ST-Coal		134	135	130	200	314	374	375	380	370	367	380	366	374	388	489	762	589	368	343	262	143	120	98	115	126	127	109	108	106	107	102	114	91	96	95	92	104	101	111	102	104	117	131	97	102	118	100	110
SRev CCGT-Gas		1089	1332	1432	1647	1846	1934	2287	2499	2582	2774	2908	2972	2959	2894	2954	2918	2843	2708	2545	2094	2165	1821	1665	1734	1902	2163	2251	1772	1788	1517	1352	1480	1521	1520	1871	1810	1774	1857	1768	1383	1187	1303	1344	1357	1595	1841	1928	2047
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	
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 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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	
Hydro		476	368	368	370	369	371	372	370	369	372	373	370	372	372	371	363	357	322	308	308	307	327	327	329	372	328	331	327	335	325	345	343	329	337	332	326	329	327	347	336	345	341	359	375	384	397	394	
S.Reserve Total		2001	2137	2232	2519	2831	2981	3336	3551	3623	3815	3963	4010	4007	3956	4117	4353	4097	3735	3512	2966	2918	2550	2392	2478	2659	2964	2990	2513	2523	2261	2081	2241	2257	2247	2605	2536	2506	2589	2508	2134	1929	2067	2118	2115	2374	2645	2727	2853