

Daily System Generation Summary on Saturday

Saturday, July 9, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,454 MW
Distillate	0 MW
Total TNB	2,454 MW
Total IPP	19,762 MW
Total Co-Gen	0 MW
Total System	25,292 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,615	5.03 %
Gas	22,098	6.31 %
Total TNB	39,713	11.34 %
ST-Coal	226,648	64.74 %
LSS	4,843	1.38 %
Gas	78,390	22.39 %
Total IPP	309,881	88.52 %
Co-Gen	1,022	0.29 %
Total Co-Gen	1,022	0.29 %
Total Generation	350,616	100.15 %
PLTG	2,881	0.82 %
HVDC	-2,348	-0.67 %
Interconnection	533	0.15 %
Net Energy	350,083	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:	20:30:00 Hour
Total Set On Bus	17,515 MW
TNB Generation	2,438 MW
IPP Generation	13,694 MW
Spinning Reserve	1,330 MW
Maximum Demand	16,171 MW
Net Energy	350,083 MWH
Load Factor	90.20 %

Fuel Cost

Total Cost:	124,402,953.59 RM
Cost per Unit	35.48 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	939
Hydro	325
Syncon	647
Thermal	434
Total	2,345

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Sunny	29

Gas Usage

Station	(mmscfd)
GLGR	35
TJGS	2
Total TNB	37
CBPS	41
EMPP	262
NPRI	127
PCGP	78
PLPS	0
SPGP	111
Total IPP	620
Total Gas	656

Total Gas Required 656

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	15753	15129	14582	13961	13620	13257	13165	12888	12511	13381	14013	14529	14556	14505	15015	15200	15232	15154	14790	14994	15997	16137	15738	15677

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Saturday, August 6, 2022 1:19:11 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	706	707	706	706	705	705	705	706	705	705	706	708	704	706	707	604	554	707	700	707	708	705	706	705	707	705	705	706	533	306	219	213	212	212	215	214	213	326	648	693	706	700	702	704	705	703	704		
JMAH	U002	701	704	703	703	703	703	698	704	703	702	703	699	702	699	701	606	555	707	708	706	709	704	703	708	703	704	709	704	709	704	705	707	707	705	705	703	705	704	703	705	704	706	706	706	702	703	708	705	
JMHE	U001	980	977	978	985	980	980	900	901	899	892	850	851	849	850	851	849	851	846	851	852	850	919	923	920	921	919	921	921	921	917	959	962	959	957	962	960	963	960	958	979	981	984	979	985	982	980	980	979	
JMHE	U002	979	980	979	983	980	981	901	898	900	887	850	852	851	851	853	848	850	850	851	848	849	920	919	921	919	920	918	921	920	919	962	963	961	958	961	960	962	963	962	981	981	984	981	983	981	982	980	979	
JMJG	U001	666	668	662	674	672	670	666	668	668	665	668	667	670	671	665	670	668	669	671	682	657	663	660	665	662	662	666	662	666	662	662	662	662	662	662	663	662	664	662	665	662	665	662	662	660	661			
JMJG	U002	673	672	673	672	677	672	673	678	673	671	675	675	674	671	674	673	677	677	675	671	681	673	675	673	676	676	672	672	666	677	674	672	676	677	671	668	669	668	668	667	669	672	671	669	670	670	668	672	
JMJG	U003	666	677	667	668	670	671	669	672	677	671	677	666	673	677	668	671	666	669	671	671	667	671	673	670	672	672	668	671	672	667	671	667	663	668	672	669	670	667	675	667	673	672	672	666	675	671	671	672	
JMJG	U004	975	972	973	972	973	970	913	900	902	897	853	852	853	853	854	854	853	854	854	854	892	921	920	920	921	920	920	920	920	920	957	957	957	957	957	958	960	958	958	977	977	977	978	977	975	975	975	974	
PKLG	U003	277	277	278	276	278	277	278	276	275	276	276	277	275	208	148	149	149	150	150	149	149	148	148	148	148	148	148	148	148	148	148	148	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	
PKLG	U004	277	276	277	270	274	274	270	269	273	275	272	274	273	205	150	152	154	158	155	156	155	156	155	156	155	154	158	153	156	157	156	158	157	157	158	157	156	155	155	154	155	153	157	155	156	157	157		
PKLG	U005	470	466	468	466	464	465	470	466	464	411	464	267	270	270	269	269	269	269	267	269	271	268	268	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	268	268	268	268	
PKLG	U006	446	449	450	450	448	447	448	451	447	450	449	449	449	446	453	451	451	449	448	449	447	404	326	267	269	266	250	266	269	275	270	269	269	267	269	267	269	267	269	267	269	269	269	268	268	269	269	268	
TBIN	U002	708	699	700	703	700	701	706	700	699	696	701	706	701	701	704	681	653	702	702	703	702	699	701	702	704	698	703	702	702	702	705	696	702	702	699	703	701	703	700	704	703	702	702	698	703	704	700	703	
TBIN	U003	699	698	701	701	700	702	699	701	698	700	700	698	696	698	701	656	653	700	699	699	698	700	698	699	699	699	701	698	699	702	700	701	699	700	702	700	701	699	701	699	699	700	700	701	701	699	699	700	
TBIN	U004	936	939	937	942	939	930	902	903	902	901	853	854	851	853	854	853	853	853	853	854	854	910	923	924	924	923	921	922	922	925	942	940	941	941	939	941	942	939	940	941	940	941	940	938	941	941	940	941	
Total ST-Coal		10159	10161	10152	10171	10163	10148	9898	9888	9883	9803	9566	9494	9488	9362	9251	8990	8856	9258	9250	9270	9243	9434	9397	9348	9351	9329	9325	9330	9354	9175	9089	8994	8989	8971	8985	8982	8992	8977	9091	9473	9526	9549	9525	9533	9537	9534	9528	9532	
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	0
CBPS	BLK2	222	222	223	223	222	223	223	223	222	223	223	224	222	212	223	214	223	225	223	223	223	223	222	222	223	221	223	225	302	304	354	351	351	355	272	223	225	358	358	357	358	224	223	222	223	227			
EMPP	BLK1	709	697	702	587	559	452	494	435	419	410	427	453	413	462	412	360	373	364	374	376	439	462	512	548	461	444	486	546	634	712	710	712	710	732	726	721	708	708	713	711	711	713	711	713	711	709	710	713	
EMPP	BLK2	709	697	700	587	559	450	492	435	418	410	427	453	413	462	411	361	373	365	374	376	441	460	511	542	462	444	486	552	634	706	711	712	711	743	735	736	706	709	713	709	712	712	711	714	712	709	710	712	
EMPP	BLK3	709	703	707	603	573	460	506	451	431	410	445	468	428	478	419	360	374	365	374	376	445	472	521	553	462	450	487	553	644	713	710	712	710	742	737	718	706	709	713	709	712	712	711	714	712	709	710	713	
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	39	64	75	104	104	104	104	104	84	61	33				
GLGR	GT02	95	94	95	94	94	94	95	95	94	94	94	94	94	95	94	94	94	94	94	94	95	95	94	95	95	94	94	94	94	94	95	94	94	95	95	94	94	102	102	102	102	102	83	93	93				
GLGR	ST1C	41	40	40	40	40	41	40	40	40	41	40	41	40	41	41	41	40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	42	76	94	94	94	94	94	83	80	63			
NPRI	BLK1	311	310	310	311	311	311	311	310	311	311	309	310	311	311	310	295	311	298	310	313	310	310	313	311	309	311	310	312	310	392	520	514	515	514	517	515	517	518	470	515	519	518	521	517	518	515	513	403	
NPRI	BLK2	446	335	335	335	333	335	334	335	335	335	334	336	334	335	335	319	335	322	335	339	335	335	335	335	335	334	335	335	335	336	400	491	526	497	530	527	523	371	447	440	517	524	523	524	485	356	336	337	398
PCGP	PGRG	601	550	403	405	401	401	402	400	401	402	399	402	402	400	400	392	402	399	402	560	604	603	601	604	601	603	599	602	605	610	605	606	601	606	598	591	604	606	609	601	611	610	615	608	455	451	453	410	
PLPS	GT13	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	718	718	720	718	720	720	550	549	452	400	401	400	402	400	400	401	402	400	648	722	719	715	710	711	707	710	709	705	706	706	707	705	710	708	708	710	711	710	715	715	717	718	717	717	719	719	719	600	
SPGP	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	80	206	257	341	449	547	643	648	648	651	649		
TJGS	GT2B	155	157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0</																								

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
KNYR	HY04	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	103	102	102	102	102	102	102
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	19	19	19
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	17
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	21	21
PGAU	HY04	21	21	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21
SIHY	HY02	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	39	30	30	50
SIHY	HY03	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	40	30	30	30	50
SYPS	HY01	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	25	25	25
SYPS	HY03	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	17	17	25	25
SYPS	HY04	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	17	25	25	25	25
TMGR	HY01	64	60	64	67	67	64	61	66	67	45	43	45	43	43	41	44	43	66	84	86	83	86	86	-1
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	85	85	85	85	62	85	68
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		740	736	738	742	631	628	625	631	632	608	607	607	607	603	609	628	651	704	706	703	706	706	704	706
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	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
BKLS	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
BSLS	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
CHLS	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
GBLS	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
GELS	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
GNLS	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
JELS	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
JSLs	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
KDLS	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
KKLS	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
KMLS	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
KNLS	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
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
PKLS	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	29	28	5	4	3	6	4	5	4	5	5	6	4	3	28	29	28	28	28	29	27	28	29
PCUF	CUFK	26	26	26	11	5	5	7	5	6	5	4	5	7	5	4	26	28	27	25	26	26	27	22	24
Total Co-Gen		54	55	54	16	9	8	13	9	11	9	9	10	13	9	7	54	57	55	53	54	54	55	51	53
Total Gen		15806	15571	15179	14832	14615	14271	13983	13801	13650	13455	13281	13291	13168	13186	12909	12493	12507	12935	13352	13774	14059	14345	14539	14622
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		-97	-98	-98	-96	-96	-97	-97	-97	-97	-98	-98	-98	-98	-97	-99	-99	-97	-98	-98	-98	-98	-98	-98	-98

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		150	123	147	110	130	133	119	135	128	120	122	92	101	107	119	145	94	143	69	91	145	87	107	60	74	59	122	111	124	125	201	154	120	124	151	139	125	127	112	104	126	113	124	120	140	154	141	97	
Interconnection		53	25	50	13	33	36	22	37	30	22	24	-7	3	9	21	47	-4	45	-29	-8	46	-10	10	-37	-24	-38	24	13	25	27	103	56	22	26	52	39	25	29	13	5	27	14	28	22	43	58	43	-3	
System Total		15753	15546	15129	14819	14582	14235	13961	13764	13620	13433	13257	13298	13165	13177	12888	12446	12511	12890	13381	13782	14013	14355	14529	14659	14556	14473	14505	14772	15015	15125	15200	15254	15232	15386	15154	14997	14790	14749	14994	15684	15997	16171	16137	16036	15738	15665	15677	15475	
SRev ST-Coal		154	152	161	142	150	165	415	414	422	470	503	510	519	544	542	773	863	535	546	525	552	502	480	470	471	484	477	484	468	556	409	419	417	432	423	424	415	426	423	346	294	272	290	288	283	288	296	288	
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 CCGT-Gas		826	917	947	1279	1370	1695	1735	1909	2058	2147	2083	2002	2122	1974	2138	2347	2255	2320	2007	1760	1531	1466	1320	1220	1487	1527	1412	1221	955	583	291	255	239	121	148	177	550	506	483	250	192	175	172	352	633	719	727	973	
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	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	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	0	0
Syncon		676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	675	675	675	675	675	675	675	675	488	675	675	675	675	675	675	488	400	587	675	675	675	675			
Hydro		398	402	400	396	332	335	338	332	331	355	356	356	356	356	356	360	354	335	312	299	297	300	297	297	300	298	297	298	299	298	321	298	315	387	386	388	407	391	355	363	427	483	396	343	342	312	302	305	
S.Reserve Total		2054	2147	2184	2493	2528	2871	3164	3331	3487	3648	3618	3544	3673	3550	3712	4156	4148	3866	3541	3260	3056	2944	2773	2663	2933	2984	2861	2678	2397	2112	1696	1647	1646	1428	1632	1664	2047	1998	1936	1634	1401	1330	1445	1658	1933	1994	2000	2241	