

Daily System Generation Summary on Thursday

Thursday, July 7, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,430 MW
Distillate	0 MW
Total TNB	2,430 MW
Total IPP	18,967 MW
Total Co-Gen	0 MW
Total System	23,753 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,622	5.48 %
Gas	18,372	4.88 %
Total TNB	38,994	10.36 %
ST-Coal	234,817	62.41 %
LSS	5,578	1.48 %
Gas	95,970	25.51 %
Total IPP	336,365	89.40 %
Co-Gen	947	0.25 %
Total Co-Gen	947	0.25 %
Total Generation	376,306	100.02 %
PLTG	2,420	0.64 %
EGAT	5	0.00 %
HVDC	-2,349	-0.62 %
Interconnection	76	0.02 %
Net Energy	376,230	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:	16:30:00 Hour
Total Set On Bus	18,781 MW
TNB Generation	2,387 MW
IPP Generation	15,358 MW
Spinning Reserve	981 MW
Maximum Demand	17,796 MW
Net Energy	376,230 MWH
Load Factor	88.09 %

Fuel Cost

Total Cost:	133,435,884.36 RM
Cost per Unit	35.46 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	346
Hydro	516
Syncon	367
Thermal	135
Total	1,364

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	40
SRDG	6
TJGS	75
Total TNB	121
CBPS	46
EMPP	280
NPRI	140
PCGP	86
PLPS	75
SPGP	16
Total IPP	644
Total Gas	764
Total Gas Required	764

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	15152	14341	13853	13374	13190	12957	13226	13207	13572	15130	15962	16556	16603	16384	17080	17629	17740	17579	16620	16348	17527	17502	16990	16789

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Saturday, August 6, 2022 1:09:08 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

		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	705	704	706	706	706	705	708	706	705	706	705	706	707	706	706	705	706	705	706	708	706	706	705	706	705	706	705	706	708	708	704	705	705	704	705	705	704	705	705	706	705	706	706	706	705	705						
JMAH	U002	700	699	701	704	705	703	703	704	703	704	703	703	704	703	705	699	702	701	703	703	705	702	702	703	702	703	701	699	701	700	704	706	701	699	706	708	705	702	700	705	703	704	700	703	703	702	704	701				
JMHE	U001	980	979	981	900	849	849	850	852	849	849	851	851	851	852	850	852	876	977	981	978	979	982	981	980	978	976	978	978	980	980	978	983	977	982	982	977	981	981	975	977	980	983	982	976	980	978	980	977				
JMHE	U002	981	982	983	900	850	849	851	850	849	851	851	850	850	850	850	850	877	980	980	980	980	981	981	979	978	976	977	979	981	980	978	984	980	977	981	976	979	979	980	979	981	982	979	976	980	982	977	980				
JMJG	U001	666	669	663	667	666	666	667	672	667	668	667	666	669	668	663	667	667	669	668	665	667	667	669	668	665	667	670	667	668	667	673	688	667	668	666	671	666	662	667	666	668	667	624	596	597	604	595	647				
JMJG	U002	673	672	677	674	674	669	675	674	676	673	675	673	678	675	671	672	673	677	673	672	673	677	673	672	672	675	673	671	673	677	674	670	674	673	683	676	674	674	673	674	676	675	675	684	672	678	673	677	674	674	672	673
JMJG	U003	667	665	666	668	673	663	669	665	667	666	666	667	667	665	666	662	669	666	665	667	667	666	668	664	667	666	667	667	666	668	666	668	664	666	661	679	663	664	666	667	662	673	660	665	666	666	665	665				
JMJG	U004	979	962	902	853	854	852	854	853	853	854	853	854	853	854	854	851	876	933	976	977	977	977	977	971	973	968	972	972	972	974	976	972	977	975	975	977	977	975	974	978	978	976	976	977	977	975	978	978	975			
PKLG	U003	278	248	155	154	152	152	153	152	155	154	154	153	153	153	153	210	264	272	277	277	277	278	278	276	278	273	129	146	147	150	150	150	150	150	150	150	150	150	151	151	151	151	149	173	263	275	280	280	278			
PKLG	U004	275	248	170	145	150	157	150	156	155	156	155	154	156	157	159	189	268	277	274	272	274	272	270	268	269	273	220	272	272	274	270	275	273	273	271	271	271	273	273	271	273	274	286	276	273	276	275					
PKLG	U005	450	365	274	271	268	269	269	267	268	269	269	269	269	267	271	300	397	453	466	462	467	469	471	466	465	470	466	463	464	466	469	466	459	453	468	470	468	465	461	461	467	459	468	467	464	463	467					
PKLG	U006	446	450	449	449	446	381	303	267	270	269	267	269	268	269	269	268	268	328	415	445	449	453	447	448	449	449	449	446	450	449	449	448	447	450	449	446	445	450	449	449	448	449	446	449	449	446	449	450				
TBIN	U002	700	701	701	701	701	700	701	700	700	702	700	696	702	699	700	699	699	700	699	699	700	700	702	698	700	706	692	702	703	697	701	700	702	700	698	700	703	702	697	704	701	698	702	701	702	701	701	701	701	702	699	
TBIN	U003	698	700	698	697	699	699	699	699	699	698	700	701	699	700	698	701	701	702	698	698	701	699	697	698	699	699	698	702	697	699	699	699	699	700	699	699	701	699	698	697	699	698	698	699	699	699	699	699	699			
TBIN	U004	938	908	855	854	853	854	855	854	851	854	854	854	851	853	853	889	943	940	938	939	939	944	944	944	944	944	945	942	943	942	942	944	943	943	944	942	943	943	942	944	941	940	941	939	942	939	938					
Total ST-Coal		10136	9952	9581	9343	9246	9168	9107	9073	9066	9072	9071	9067	9075	9070	9062	9058	9362	9995	10138	10157	10155	10158	10167	10141	10151	10145	9997	10023	10018	10028	10044	10040	10030	10024	10017	10042	10039	10029	10017	10037	10024	10044	9995	10082	10086	10095	10082	10129				
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					
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	222	221	222	222	223	222	224	223	221	222	224	223	222	221	223	223	218	222	223	360	359	357	351	218	218	316	355	354	353	353	354	349	352	353	354	300	356	358	361	361	359	355	354	361	361	357					
EMPP	BLK1	436	428	421	447	449	498	518	494	464	419	410	429	501	555	482	490	479	535	668	713	712	704	709	694	680	690	697	691	710	730	746	743	737	743	744	733	742	743	739	708	709	715	710	691	689	707	708	698				
EMPP	BLK2	435	428	419	444	447	497	518	492	465	417	409	428	501	559	485	487	480	537	681	713	712	710	709	707	698	704	706	705	711	736	752	751	746	749	750	741	749	752	747	708	709	713	711	703	703	711	708	708				
EMPP	BLK3	425	425	417	436	449	516	538	513	477	431	412	448	522	585	507	509	497	564	668	713	712	710	709	694	681	690	695	690	710	733	750	749	744	748	749	738	749	748	745	708	709	714	707	690	688	710	708	698				
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	25	36	49	70	106	107	106	106	106	106	83	84	84	109	108	107	106	106	107	83					
GLGR	GT02	95	94	94	94	94	94	93	94	93	94	94	93	95	94	93	94	93	93	93	93	108	106	106	106	93	92	92	92	93	105	105	106	105	105	105	83	83	83	107	106	106	106	106	107	105	83						
GLGR	ST1C	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	42	41	46	46	47	47	40	40	40	41	35	95	98	98	98	98	98	83	83	83	98	99	99	98	98	98	98	83					
NPRI	BLK1	310	310	308	310	311	310	310	310	309	310	310	311	311	311	309	307	311	311	303	397	515	516	514	511	502	509	511	505	517	512	516	516	513	517	515	508	515	515	515	518	518	518	515	509	509	515	517	512				
NPRI	BLK2	335	335	334	334	335	335	335	335	335	334	334	336	337	336	334	333	335	335	329	451	526	525	523	505	487	442	448	499	520	517	518	521	516	522	519	511	518	518	520	521	520	520	518	513	512	520	520	515				
PCGP	PGRG	401	402	399	402	399	604	603	604	604	601	599	603	603	602	601	597	602	602	591	596	602	601	600	595	576	590	592	580	602	594	603	606	594	607	601	586	599	599	601	605	605	607	601	589	586	601	602	594				
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	62	140	135	114	115	111	130	139	142	142	143	140	115	115	138	139	138	136	135	137	143	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	0					
PLPS	GT13	124	125	124	124	125	124	125	124	124	125	124	124	125	124	125	125	125	124	125	125	125	141	140	140	139	113	112	109	125	142	140	139	139	140	139	137	112	112	111	133	134	134	134	132	130	134	134					

Daily MW Generation on Thursday

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
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	123	124	63
HTRG	HY04	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	38	37	38	37	37	37	38	38	38	38	38	38	37	38	37	37	37	36	37	36	36	36	36	36
KNYR	HY01	101	101	101	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
KNYR	HY02	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
KNYR	HY03	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
KNYR	HY04	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
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	21	21	21
PGAU	HY04	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	43	43	43	43	43	44	46	51	43	43	43	43	43	50	52	44	43	45	53	42	42	40	42	43
TMGR	HY02	-1	-1	-1	-1	-1	88	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		625	621	622	621	620	867	623	625	630	622	622	622	622	621	630	663	654	653	655	807	792	793	701	724
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

Daily MW Generation on Thursday

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																								
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	13	20	23	29	33	19	11	38	50	29	34	27	34	30	28	38	32	28	23	10	1	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	1	3	9	14	19	24	28	32	34	36	31	25	39	37	37	30	26	27	24	18	13	8	5	1	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	1	3	7	11	18	13	23	23	25	14	17	21	23	27	27	26	19	17	16	13	10	6	3	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	1	5	7	10	16	15	30	19	20	26	30	30	28	25	25	30	19	30	14	16	8	4	3	1	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	19	78	176	242	379	466	548	649	697	723	764	748	781	711	727	643	617	648	458	417	313	234	84	30	11	5	0	0	0	0	0	0	0	0	
PCUF	CUFG	10	11	11	10	10	11	10	11	10	9	10	10	10	11	11	10	28	29	29	29	29	28	28	28	28	28	28	28	28	28	29	28	28	29	28	28	29	29	29	28	28	29	28	29	28	28		
PCUF	CUFK	27	6	6	5	4	5	6	6	4	7	4	5	4	4	6	5	4	7	5	26	27	27	26	26	27	26	27	26	25	27	26	26	27	26	25	25	26	26	26	26	26	25	27	26	26			
Total Co-Gen		37	17	17	15	14	15	17	16	15	17	14	14	14	16	15	15	18	15	54	56	55	55	55	54	54	55	54	53	56	54	54	55	56	54	53	55	54	54	54	55	54	55	54	55	53	56	54	
Total Gen		15130	14710	14310	14146	13860	13603	13362	13254	13158	13019	12971	13049	13282	13448	13211	13229	13582	14530	15076	15620	15905	16384	16566	16733	16625	16474	16364	16887	17097	17557	17572	17703	17744	17800	17645	17123	16643	16318	16385	17021	17541	17633	17546	17369	17041	16969	16795	16479
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	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		-99	-99	-96	-96	-97	-99	-96	-96	-99	-98	-98	-99	-100	-97	-97	-96	-99	-98	-98	-98	-97	-96	-99	-96	-99	-98	-98	-98	-98	-99	-99	-99	-99	-98	-98	-97	-97	-98	-96	-99	-97	-97	-96	-98	-99	-99		
TIE-PLTG		77	58	65	99	104	122	84	86	91	111	98	156	131	100	94	109	49	44	70	41	66	106	65	121	78	79	108	115	138	42	57	103	102	164	153	121	125	133	86	110	136	141	133	148	109	105	147	
Interconnection		-22	-41	-31	3	7	23	-12	-15	-32	-7	14	-2	56	34	4	-2	10	-50	-54	-28	-57	-33	10	-31	22	-18	-20	10	17	39	-57	-42	4	4	66	55	23	29	37	-12	14	38	44	37	51	11	6	49
System Total		15152	14751	14341	14143	13853	13580	13374	13269	13190	13026	12957	13051	13226	13414	13207	13231	13572	14580	15130	15648	15962	16417	16556	16764	16603	16492	16384	16877	17080	17518	17629	17745	17740	17796	17579	17068	16620	16289	16348	17033	17527	17595	17502	17332	16990	16958	16789	16430
SRev ST-Coal		167	277	383	537	536	601	582	585	592	588	587	594	583	593	597	607	554	282	165	146	148	145	136	162	152	158	162	136	141	131	115	119	129	135	142	117	120	130	142	122	135	115	109	131	127	118	131	84
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	65	2	-2	73	106	0	0	0	
SRev CCGT-Gas		2121	2333	2363	2286	2473	1460	1398	1473	1566	1705	1749	1667	1442	1271	1502	1497	1516	1335	986	636	440	203	475	537	589	797	896	652	370	283	199	89	119	88	95	165	366	535	427	213	204	188	221	299	310	218	216	385
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
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
Syncon		676	676	676	676	676	275	676	676	676	676	676	676	676	676	676	676	676	676	676	676	489	489	489	676	676	676	676	676	313	313	313	126	126	126	401	676	676	676	313	126	126	126	126	313	500	588	588	
Hydro		338	342	341	342	343	497	340	338	333	341	341	341	341	341	341	342	333	340	349	350	348	433	448	447	352	389	429	414	410	625	629	576	727	632	733	629	450	448	422	539	496	510	520	630	606	445	436	410
S.Reserve Total		3302	3628	3763	3841	4028	2833	2996	3072	3167	3310	3353	3278	3042	2881	3116	3122	3079	2633	2176	1808	1612	1270	1548	1635	1769	2020	2163	1878	1597	1352	1256	1097	1101	981	1096	1312	1612	1789	1667	1187	1026	941	974	1259	1462	1281	1371	1467