

Daily System Generation Summary on Thursday

Thursday, August 18, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,276 MW
Distillate	0 MW
Total TNB	2,276 MW
Total IPP	19,126 MW
Total Co-Gen	0 MW
Total System	25,028 MW

Generation Mix

Type	MWh	Percentage
Hydro	23,603	6.22 %
Gas	46,967	12.38 %
Total TNB	70,570	18.60 %
ST-Coal	211,608	55.78 %
LSS	5,479	1.44 %
Gas	91,194	24.04 %
Total IPP	308,281	81.26 %
Co-Gen	655	0.17 %
Total Co-Gen	655	0.17 %
Total Generation	379,506	100.04 %
PLTG	2,146	0.57 %
HVDC	-1,993	-0.53 %
Interconnection	153	0.04 %
Net Energy	379,353	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	18,849 MW
TNB Generation	3,646 MW
IPP Generation	13,992 MW
Spinning Reserve	1,174 MW
Maximum Demand	17,625 MW
Net Energy	379,353 MWH
Load Factor	89.68 %

Fuel Cost

Total Cost:	126,623,062.98 RM
Cost per Unit	33.36 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	721
Hydro	345
Syncon	343
Thermal	407
Total	1,816

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	94
Total TNB	148
CBPS	43
EMPP	180
KLPP	33
NPRI	139
PCGP	74
PGLA	99
SKSP	50
SPGP	169
Total IPP	788
Total Gas	935
Total Gas Required	935

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	15756	14996	14359	13872	13582	13326	13518	13493	13914	15597	16524	16998	16763	16451	17106	17523	17625	17446	16245	16206	17355	17305	16817	16439

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 6, 2022 11:00:07 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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																									
JMAH	U001	710	707	706	704	707	706	705	705	702	705	706	702	703	708	703	706	707	707	705	705	706	706	691	606	504	410	404	404	474	504	505	502	504	503	505	401	404	353	422	505	555	554	555	394	277	213	213	213	
JMAH	U002	702	706	707	704	705	703	706	704	704	704	706	706	706	705	704	708	702	709	709	705	705	707	572	504	402	403	410	499	506	507	508	504	504	504	403	405	358	460	511	555	553	557	505	508	507	505	503		
JMHE	U002	983	984	954	946	902	901	849	850	850	853	854	851	844	848	846	850	853	853	971	971	973	975	979	977	974	975	977	973	974	980	979	977	979	981	981	978	980	978	981	983	979	980	981	981	976	983	982	982	
JMJG	U001	671	673	673	673	672	671	678	674	667	671	671	673	668	670	673	672	673	674	677	675	654	664	667	666	623	623	632	627	629	623	629	679	677	679	677	670	671	674	671	677	669	677	674	672	672	672	660	669	
JMJG	U002	684	673	674	673	680	674	674	673	671	672	668	667	662	673	668	671	669	667	669	667	669	672	659	656	667	666	671	663	666	665	664	662	674	668	668	668	668	667	674	668	668	664	670	669	668	669	668	662	
JMJG	U003	671	667	673	669	670	671	670	672	673	673	669	670	669	662	672	673	670	669	671	677	668	671	671	669	671	680	668	668	667	667	670	669	671	672	668	673	672	669	673	671	673	671	671	668	669	667	673		
JMJG	U004	974	972	946	948	903	899	872	853	850	853	854	851	852	853	854	852	887	943	972	977	976	972	977	979	977	977	976	977	977	980	977	977	978	974	972	972	974	974	972	972	972	972	972	973	972	973	973	971	
JMJG	U005	985	980	949	955	901	903	848	852	849	853	852	851	853	847	856	851	853	851	853	918	982	983	983	981	981	981	979	983	983	981	983	982	985	983	982	976	961	974	973	980	980	977	980	979	976	977	977	976	
PKLG	U004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	15	39	50	56	93	91	80	89	84	105	148	206	272	277	265	205	141	144	152	149	151	151	157	152	153		
PKLG	U006	447	447	383	293	267	269	269	269	267	270	269	268	269	268	269	268	299	372	443	449	446	451	449	446	446	449	447	450	447	449	445	442	444	442	427	375	273	268	269	269	268	269	268	269	268	269	268	269	268
TBIN	U001	210	212	211	209	210	210	212	210	211	211	211	211	211	210	209	209	210	211	211	211	209	210	210	210	211	210	210	211	211	210	211	211	210	211	210	210	212	211	210	211	210	212	211	210	211	212	210		
TBIN	U002	701	702	705	700	701	701	701	698	700	702	701	701	699	701	700	700	700	701	701	707	701	700	700	539	475	453	475	528	603	604	602	651	698	684	556	450	452	518	653	703	701	701	665	653	654	653	654		
TBIN	U003	701	699	701	705	701	700	702	699	701	701	697	701	697	699	700	696	701	702	699	702	698	705	700	700	590	489	453	463	538	601	600	600	602	625	636	554	453	452	521	641	697	698	700	683	653	654	657	470	
TBIN	U004	936	937	939	943	905	902	861	856	854	852	853	854	854	852	852	854	853	853	935	942	938	943	940	943	943	940	943	942	941	939	939	943	938	939	943	937	938	936	934	932	934	934	934	934	936	933	936	937	
Total ST-Coal		9375	9359	9221	9122	8924	8910	8747	8718	8698	8717	8712	8706	8689	8695	8708	8706	8748	8849	9185	9293	9341	9359	9339	9120	8668	8319	8285	8337	8625	8786	8802	8838	8920	9030	9069	8640	8335	8235	8482	8815	9006	9014	9024	8757	8588	8540	8524	8341	
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	198	199	202	191	199	201	201	195	202	197	197	202	201	197	190	198	206	197	205	199	202	201	202	198	312	327	328	326	324	330	334	332	330	332	323	325	327	328	327	320	324	319	318	319	315	321	319	315	
EMPP	BLK1	690	603	531	417	449	411	410	372	375	378	374	374	373	374	362	377	380	561	621	649	709	709	709	701	589	672	658	707	686	708	705	702	707	702	692	697	705	701	700	698	703	701	702	703	697	705	688	702	
EMPP	BLK2	708	615	531	448	478	410	410	374	375	375	375	375	375	375	375	373	375	548	588	655	710	710	710	624	678	683	711	708	710	710	710	709	710	710	710	710	710	710	710	709	710	710	710	710	706	711			
GLGR	GT01	67	67	108	107	107	108	108	108	108	108	101	66	65	66	65	67	67	66	67	65	66	67	67	66	68	66	72	104	72	105	104	103	103	103	103	104	104	103	103	106	102	103	105	103	104	105	104		
GLGR	GT02	65	65	107	106	106	106	106	105	105	99	65	65	65	65	65	67	65	66	65	65	65	65	65	65	65	65	65	72	104	72	102	102	102	102	103	102	103	102	102	102	102	103	103	103	103	103			
GLGR	ST1C	71	70	97	97	98	98	98	98	98	97	96	74	70	70	72	70	70	70	70	70	69	70	70	70	70	70	70	94	70	94	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	93	93		
KLPP	GT15	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105		
KLPP	ST17	58	59	60	58	60	59	59	59	59	59	59	59	60	60	59	60	60	61	60	60	59	59	59	59	59	59	59	59	59	61	60	59	60	59	60	59	60	59	60	60	60	59	60	59	60	59	58		
NPRI	BLK1	359	308	311	296	307	308	311	302	313	305	305	311	312	305	295	306	318	304	316	510	516	516	517	511	505	516	516	513	505	513	518	516	514	517	505	506	511	513	509	506	516	516	514	515	509	515	513	506	
NPRI	BLK2	332	335	335	319	332	335	335	329	335	330	329	337	338	328	318	330	380	332	342	333	365	483	472	478	505	518	520	517	510	517	523	520	516	521	509	511	514	515	512	511	520	520	518	521	514	518	518	510	
PCGP	PGRG	500	400	402	379	395	404	401	387	402	390	393	403	403	392	386	390	415	388	412	397	402	403	399	392	380	400	401	594	581	597	608	602	600	603	576	584	588	591	588	583	602	600	599	601	588	598	597	583	
PGLA	GT11	134	135	134	134	134	134	134	134	134	133	133	134	134	134	134	134	134	135	134	134	133	134	136	215	218	218	216	222	224	226	225	225	227	216	223	223	225	224	223	227	226	225	227	224	220	220	217		
PGLA	GT12	139	140	138	139	138	139	138	139	138	140	139	139	139	139	139	139	139	139	138	138	138	139	138	170	217	223	223	220	213	216	219	217	218	218	221	213	216	216	214	213	217	218	217	217	214	225	226	226	
PGLA	ST10	175	175	175	175	175	175	174	174	174	174	175	174	174	174	175	174	175	176	176	176	177	186	230																										

Daily MW Generation on Thursday

[illegible]

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		
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	15	18	29	5	18	21	43	42	42	42	41	39	33	23	26	18	17	11	8	2	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	0	0	1	3	5	6	10	15	19	25	28	26	27	26	19	15	25	14	11	7	13	7	7	3	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	1	3	12	22	30	30	30	21	30	30	29	30	30	31	30	30	8	4	7	6	21	10	1	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	19	125	237	403	517	577	583	686	598	799	690	721	686	564	592	561	573	585	402	430	335	185	71	22	3	3	2	0	0	0	0	0	0	0
PCUF	CUFG	20	21	20	20	20	19	19	20	19	20	19	19	17	20	19	19	18	18	16	18	16	15	15	14	25	14	14	15	14	15	15	14	15	15	16	17	17	17	17	16	16	17	18	17	17	18			
PCUF	CUFK	5	6	4	3	5	5	6	5	5	5	5	4	2	4	4	4	5	5	4	5	5	5	3	5	5	4	5	4	4	17	20	23	22	22	22	22	24	23	22	20	22	23	22	5	5	6			
Total Co-Gen		25	27	24	23	25	24	25	24	25	24	25	23	21	21	24	23	24	23	22	21	23	19	20	19	30	18	19	19	18	32	34	38	37	36	37	36	37	38	41	40	39	40	36	38	40	40	22	22	24
Total Gen		15749	15288	15014	14584	14363	14199	13875	13649	13563	13489	13365	13434	13559	13846	13545	13540	13920	14921	15602	16170	16485	16754	16891	16863	16701	16527	16479	16761	17101	17256	17460	17507	17671	17675	17538	16795	16271	15983	16207	16959	17359	17399	17328	17109	16849	16658	16473	16164	
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	0	
TIE-HVDC		-50	-48	-48	-50	-47	-48	-48	-48	-49	-49	-49	-51	-97	-99	-98	-98	-97	-97	-97	-98	-97	-97	-98	-97	-96	-98	-98	-97	-96	-97	-96	-97	-96	-97	-98	-99	-97	-97	-97	-95	-98	-96	-98	-99	-94	-49			
TIE-PLTG		43	66	65	74	52	80	51	89	29	60	88	35	92	186	151	89	104	100	102	101	59	53	-10	27	35	71	126	101	92	50	35	95	143	146	189	133	125	90	98	95	101	93	120	84	130	129	128	97	
Interconnection		-7	18	18	24	4	32	3	41	-19	11	39	-14	41	89	52	-9	6	3	5	3	-39	-44	-107	-72	-62	-25	28	3	-5	-46	-63	-1	46	50	92	36	26	-7	1	-2	4	-3	23	-12	32	30	34	48	
System Total		15756	15270	14996	14560	14359	14167	13872	13608	13582	13478	13326	13448	13518	13757	13493	13549	13914	14918	15597	16167	16524	16798	16998	16935	16763	16552	16451	16758	17106	17302	17523	17508	17625	17625	17446	16759	16245	15990	16206	16961	17355	17402	17305	17121	16817	16628	16439	16116	
SRev ST-Coal		169	187	309	315	480	494	528	542	556	550	554	552	567	555	553	554	541	551	313	252	202	185	225	362	583	571	483	469	468	543	529	490	474	408	423	560	561	564	568	527	433	431	422	477	531	517	529	551	
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		1535	1987	2025	2288	2273	2422	2615	2803	2935	2965	2981	3038	3046	2995	3040	3064	2876	2168	2093	1601	1436	1312	1320	1040	970	708	763	477	397	435	269	324	348	278	373	342	322	315	323	355	281	291	301	289	342	293	325	348	
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		651	651	739	739	739	739	739	588	739	840	840	840	739	426	739	739	739	739	739	426	426	613	525	525	338	338	187	338	338	338	338	338	338	151	151	525	338	525	613	525	338	151	151	151	151	151	338	613	613
Hydro		266	261	268	210	202	202	221	360	284	245	349	215	164	334	206	203	160	204	199	301	261	350	377	378	446	435	564	435	344	339	300	248	345	337	257	409	498	494	547	413	416	369	440	406	444	406	243	348	
S.Reserve Total		2621	3086	3341	3552	3694	3857	4103	4293	4514	4600	4724	4645	4516	4310	4538	4560	4316	3662	3344	2580	2325	2460	2447	2305	2337	2052	1997	1719	1547	1655	1436	1400	1318	1174	1578	1649	1906	1986	1963	1633	1281	1242	1314	1323	1468	1554	1710	1860	