

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,252 MW
Distillate	0 MW
Total TNB	2,252 MW
Total IPP	16,779 MW
Total Co-Gen	0 MW
Total System	21,519 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,827	4.20 %
Gas	43,104	11.45 %
Total TNB	58,931	15.65 %
ST-Coal	200,841	53.35 %
ST-Oil	7,630	2.03 %
LSS	4,830	1.28 %
Gas	102,957	27.35 %
Total IPP	316,258	84.01 %
Co-Gen	1,115	0.30 %
Total Co-Gen	1,115	0.30 %
Total Generation	376,304	99.96 %
PLTG	569	0.15 %
HVDC	-701	-0.19 %
Interconnection	-132	-0.04 %
Net Energy	376,436	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	18,177 MW
TNB Generation	2,913 MW
IPP Generation	14,125 MW
Spinning Reserve	1,092 MW
Maximum Demand	17,093 MW
Net Energy	376,436 MWH
Load Factor	91.76 %

Fuel Cost

Total Cost:	100,596,878.64 RM
Cost per Unit	28.40 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	562
Hydro	475
Syncon	296
Thermal	89
Total	1,422

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	25

Gas Usage

Station	(mmcsfd)
GLGR	55
TJGS	155
Total TNB	210
CBPS	53
EMPP	213
KLPP	27
NPRI	99
PCGP	80
PGLA	106
PLPS	89
SKSP	27
SPGP	90
Total IPP	783
Total Gas	993
Total Gas Required	1,070

Alternate Fuel Usage

Station	(mmcsfd)
PKLG	78
Total	78

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	16567	15843	15268	14776	14323	14136	13995	13723	13552	14620	15503	16025	16023	15937	16310	16582	16830	16598	16225	16192	17076	16989	16559	16487

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, June 8, 2022 9:38:42 AM

(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	706	706	702	706	704	705	706	706	707	705	704	707	707	705	705	705	705	703	705	704	705	705	703	706	706	705	705	709	706	705	706	706	704	704	705	706												
JMAH	U002	708	705	707	705	704	703	697	705	702	704	707	703	705	706	706	703	704	706	704	705	700	705	704	704	703	702	704	705	705	704	705	705	703	703	703	704	704											
JMHE	U001	749	750	751	748	749	787	832	954	947	897	899	900	904	898	903	899	899	898	900	981	977	977	977	980	979	978	978	977	976	981	978	979	977	979	981	984	980	983	980	981	975	978	978	774	777	839	976	975
JMHE	U002	748	750	746	751	751	752	752	752	750	749	752	751	748	751	746	749	748	751	860	929	984	980	981	980	980	978	979	979	981	980	980	978	980	982	985	983	982	981	981	977	779	780	782	778	782	782	780	
JMJG	U001	668	669	612	581	653	678	677	620	626	666	676	677	683	679	678	680	679	672	675	679	677	678	678	679	678	677	679	677	677	671	678	676	678	678	678	671	678	677	677	670	672	673	677	673	673	674	668	667
JMJG	U005	975	976	977	969	974	975	944	940	941	907	900	900	900	899	902	899	898	901	899	977	977	976	975	977	976	975	974	975	974	973	975	973	976	975	972	977	977	975	974	977	977	973	974	977	975	978	973	976
PKLG	U003	263	263	263	263	262	263	264	261	262	264	265	264	264	262	263	263	262	261	262	261	261	262	262	261	262	260	259	257	257	257	258	258	262	263	262	262	260	255	258	258	257	258	258	260	262	263		
PKLG	U005	466	468	468	466	466	469	469	470	465	465	465	465	465	474	467	467	471	466	459	466	468	469	472	466	468	469	464	470	465	468	470	467	458	465	475	467	439	465	463	468	466	462	464	470	468	466	467	467
PKLG	U006	448	450	446	456	449	446	445	450	446	448	451	450	447	446	446	446	448	448	449	450	449	447	449	450	450	448	447	445	440	447	444	442	448	449	447	446	449	449	450	448	445	446	449	447	449	449	447	
TBIN	U001	698	699	695	699	697	695	701	699	698	699	700	697	698	698	697	698	699	697	696	698	697	698	692	697	698	699	698	697	699	697	698	696	699	694	697	698	698	697	697	699	697	699	697	697	697	697	697	
TBIN	U002	700	674	549	337	157	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TBIN	U003	702	700	700	702	699	700	701	705	700	700	701	702	700	703	701	702	703	700	702	700	701	702	699	701	700	702	703	699	701	701	699	702	700	701	703	700	703	701	700	702	700	700	702	701	700	702	702	
TBIN	U004	939	937	936	938	937	940	938	936	938	916	903	903	904	907	904	903	904	903	903	939	935	936	936	937	936	937	938	936	939	940	941	939	938	936	940	938	938	940	939	939	940	940	940	938	938	937	937	940
Total ST-Coal		8770	8747	8552	8315	8202	8195	8126	8198	8184	8121	8120	8120	8128	8127	8128	8112	8121	8101	8107	8416	8483	8540	8534	8536	8530	8538	8529	8530	8519	8525	8533	8515	8515	8530	8542	8538	8513	8542	8527	8532	8520	8318	8325	8127	8121	8190	8322	8324
PKLG	U001	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144			
PKLG	U002	188	189	189	188	188	189	189	188	188	188	188	188	188	188	188	188	188	188	188	188	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	186	207	198	197	197	197	197			
Total ST-Oil		332	333	333	332	332	333	333	332	332	332	332	332	332	332	332	332	332	332	332	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	354	314	290	290	330	351	342	341	341	341	341	341	
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		
CBPS	BLK2	353	360	360	360	360	360	360	361	363	361	361	361	356	364	357	226	223	223	363	361	365	364	364	360	358	357	357	357	357	354	362	362	361	360	361	362	353	236	220	340	358	355	357	364	355	364	366	365
EMPP	BLK1	643	704	689	685	680	669	680	679	686	708	694	685	657	710	664	631	687	694	724	719	692	726	677	710	697	703	712	706	662	711	695	709	720	723	614	711	698	710	709	707	706	711	708	709	699	710	717	715
EMPP	BLK2	496	500	375	375	375	377	174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EMPP	BLK3	642	702	688	683	687	676	681	687	683	707	693	684	656	710	664	635	678	692	723	720	694	727	678	712	698	706	711	710	660	711	694	709	721	723	614	710	699	711	709	706	707	710	707	710	699	710	717	714
GLGR	GT01	98	81	83	82	82	83	82	82	81	83	82	83	82	81	82	83	82	82	82	82	83	81	82	83	81	83	80	91	107	107	108	107	106	107	88	81	81	83	82	104	104	103	102	102	81	83	84	
GLGR	GT02	97	81	81	82	82	82	82	82	82	82	82	82	82	82	81	81	82	81	82	82	82	81	82	81	81	82	82	81	93	106	104	105	105	105	106	87	82	81	81	81	102	103	103	102	103	82	82	81
GLGR	ST1C	92	82	82	81	81	81	82	81	82	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	83	85	97	98	99	99	99	99	98	89	82	82	81	82	94	94	94	94	94	82	82	82	
KLPP	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	0	0	0	0	0	0	0	5	31	135	120	124	124	132	133	139	139	141	141	125	129	128	
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NPRI	BLK1	313	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NPRI	BLK2	511	519	520	518	518	517	518	517	519	520	519	499	443	401	308	309	309	309	320	527	518	526	520	521	508	519	517	516	520	520	520	515	514	515	517	510	505	389	400	512	514	517	514	520	509	511	409	407
PCGP	PGRG	401	402	402	401	401	403	403	401	404	405	402	401	404	405	403	403	401	559	617	617	602	620	601	609	604	602	606	604	601	607	599	602	618	618	605	602	586	401	601	593	595	601	595	605	585	602	613	613
PGLA	GT11	215	218	217	217	217	189	189	188	190	176	176	175	176	175	176	176	174	176	175	173	178	215	216	170	171	173	172	219	217	216	216	217	217	216	168	166	170	170	208	215	215	214	215	218	221	223	219	
PGLA	GT12																																																

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
Total 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
BSIA	HY01	23	23	23	23	22	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
BSIA	HY03	23	23	23	23	23	23	23	23	23	23	23	23	22	22	22	22	23	23	22	22	22	22	22	22
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	10
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	8	9	9	9	9
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	8	9	9	9	9
CEND	HY04	7	8	8	7	8	8	8	8	8	7	8	8	8	8	8	8	8	7	8	8	8	8	8	8
HTRG	HY01	63	63	63	63	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	25	124	62	-1	-1	-1	-1
HTRG	HY02	63	63	63	63	62	63	62	62	62	63	63	63	63	63	63	63	63	63	62	63	63	63	63	63
HTRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3
HTRG	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
KNRG	HY01	33	33	33	33	33	33	33	33	33	33	33	21	21	21	21	21	21	32	32	32	32	32	32	32
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	24	24	24	25	24	24	25	24	37	37	37	37	37	37
KNRG	HY03	36	36	36	35	35	36	36	36	35	35	36	36	35	35	20	21	21	21	20	21	20	21	36	36
LPJA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
LPJA	HY02	20	20	20	20	20	20	20	20	19	20	20	20	20	19	20	20	19	20	19	20	20	20	20	20
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	22	22	22	22	21	22	21	21	22	21	21	22	22	22	22	22	22	22	22	21	20	21	21
PGAU	HY04	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	21	20
SIHY	HY02	30	30	50	50	50	30	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	0	0	0
SIHY	HY03	30	30	50	50	50	30	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0	0	0	0
SYPS	HY01	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	0	0	0	0
SYPS	HY03	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	0	0	0	0
SYPS	HY04	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	0	0	0	0
TMGR	HY01	42	82	70	63	68	58	59	59	44	60	30	-1	-1	-1	-1	-1	-1	84	84	84	84	84	84	82
TMGR	HY02	82	83	83	83	83	83	83	84	83	84	83	83	83	84	84	83	83	84	83	82	83	84	84	83
TMGR	HY03	40	78	65	60	52	46	48	51	42	56	41	41	41	45	41	44	45	48	85	79	40	84	40	42
TMGR	HY04	80	81	81	81	81	81	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	82	81	81	81	81	81	81
UJLI	HY01	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJLI	HY02	-1	-1	95	93	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	99	95	-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		766	849	960	944	796	780	680	622	516	544	499	469	469	473	469	433	434	438	477	471	597	645	595	599
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	1	4	8	11	14	18	20	22	23	25	25	26
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	11	15	18	17	25	24	18	7	19
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10	17	21	12	13	28	30	32	24	19
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	9	16	21	27	30	33	38	39	41	35	44
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	9	16	6	16	7	29	26	4	10
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	12	17	31	32	24	13	27	49	38
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	7	14	11	23	16	24	20	22	13
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	13	19	24	28	34	38	23	44	45	24
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	8	14	39	52	66	38	82	84	88	91	95	58
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	15	21	16	20	24	40	36	40	44	16
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	13	13	10	24	25	27	29	16	9
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	7	10	15	19	23	24	30	28	30	30	30
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	4	23	33	21	41	17	48	41	47

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
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	21	19	20	20	21	20	21	21	21	22	21	22	22	22	22	21	20	20	19	20	20	19	18	20
PCUF	CUFK	26	26	26	26	26	25	27	26	25	27	28	26	26	27	27	25	26	27	27	26	26	26	28	26
Total Co-Gen		47	45	46	46	47	45	48	47	46	46	48	50	47	47	49	49	46	47	48	49	49	48	47	48
Total Gen		16599	16182	15861	15596	15255	15132	14781	14608	14331	14212	14138	14067	13964	13963	13713	13345	13506	14129	14571	15151	15511	15807	16054	16094
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	-30	-28	-30	-28	-30	-29	-29	-29	-28	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29
TIE-PLTG		62	2	47	34	15	44	33	39	37	3	31	20	-1	12	19	-28	-17	29	-20	-11	37	18	58	38
Interconnection		32	-28	18	4	-13	14	5	10	8	-25	2	-10	-31	-17	-10	-56	-46	0	-49	-40	8	-11	29	8
System Total		16567	16210	15843	15592	15268	15118	14776	14598	14323	14237	14136	14077	13995	13980	13723	13401	13552	14129	14620	15191	15503	15818	16025	16086
SRev ST-Coal		33	56	122	148	141	208	177	155	169	229	232	233	225	224	225	239	229	250	245	187	120	63	69	67
SRev CCGT-Gas		1780	1390	1238	1249	1330	1429	1242	1052	1014	1098	1128	1171	1279	1283	1532	1850	1760	1228	960	772	594	472	650	715
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
SRev ST-Oil		-4	-5	-5	-4	-4	-5	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-10	-10	-10	-10	-10
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
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
Syncon		374	187	0	0	187	187	313	313	314	314	314	402	402	402	402	489	489	489	489	489	313	313	313	313
Hydro		595	513	589	605	491	507	481	439	457	429	474	416	416	412	416	452	451	447	408	414	464	416	466	462
S.Reserve Total		2778	2141	1944	1998	2145	2326	2208	1955	1950	2066	2144	2218	2318	2317	2571	3026	2925	2410	2098	1858	1481	1254	1488	1547