

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,510 MW
Distillate	0 MW
Total TNB	2,510 MW
Total IPP	16,063 MW
Total Co-Gen	0 MW
Total System	22,280 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,956	3.54 %
Gas	62,458	17.05 %
Total TNB	75,414	20.58 %
ST-Coal	196,670	53.68 %
LSS	4,936	1.35 %
Gas	91,382	24.94 %
Total IPP	292,988	79.97 %
Co-Gen	-1,350	-0.37 %
Total Co-Gen	-1,350	-0.37 %
Total Generation	367,052	100.18 %
PLTG	33	0.01 %
HVDC	630	0.17 %
Interconnection	663	0.18 %
Net Energy	366,389	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,786 MW
TNB Generation	4,141 MW
IPP Generation	13,563 MW
Spinning Reserve	1,116 MW
Maximum Demand	17,645 MW
Net Energy	366,389 MWH
Load Factor	86.52 %

Fuel Cost

Total Cost:	90,013,083.80 RM
Cost per Unit	24.34 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	408
Hydro	395
Syncon	636
Thermal	154
Total	1,593

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	174
Total TNB	203
CBPS	49
EMPP	186
KLPP	57
NPRI	142
PCGP	86
PLPS	72
SKSP	22
SPGP	208
Total IPP	821
Total Gas	1,024

Total Gas Required 1,024

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	14102	13474	12961	12572	12283	12242	12692	13098	13632	15283	16038	16403	16341	16277	17049	17565	17551	17228	16284	16702	17045	16866	16273	15800

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, December 6, 2023 5:44:05 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	695	696	695	694	695	696	695	698	693	694	698	693	693	695	696	699	696	691	695	693	693	695	693	688	693	693	693	693	692																					
JMAH	U002	694	698	694	697	697	695	694	696	694	694	697	693	696	692	695	697	695	696	698	695	695	695	693	694	697	695	695	694	694	695	696	696	697	698	695	694	696	693												
JMHE	U001	951	899	851	848	851	803	799	800	799	800	801	801	801	794	799	800	800	951	952	951	947	948	951	953	947	952	952	952	947	952	952	944	951	952	949	947	947	950	944	952	951	954	952	952	950	948	944	951		
JMHE	U002	976	898	850	849	848	804	799	799	800	798	798	803	804	795	802	799	801	912	967	978	975	973	977	977	977	977	979	979	975	977	979	975	980	981	976	976	974	979	973	976	975	976	975	977	979	974	973	975		
JMIG	U001	547	544	553	547	547	583	620	686	666	681	674	679	675	679	678	660	688	671	671	607	471	463	459	452	463	460	456	458	458	457	456	462	454	436	436	439	435	442	442	436	439	452	441	451	427	436	436	433		
JMIG	U003	649	662	672	679	651	640	626	609	645	633	618	623	629	628	623	650	678	677	667	635	518	541	522	468	540	521	533	542	544	536	531	536	542	538	543	540	534	538	538	540	533	544	542	534	540	565	643	607		
JMIG	U005	501	578	640	642	741	750	769	846	900	908	898	899	903	900	900	903	902	983	983	979	981	983	980	979	981	983	982	985	980	980	979	979	982	980	974	939	941	943	944	977	980	981	977	978	979	973	983			
PKLG	U003	280	208	253	279	261	256	236	172	145	150	151	152	151	205	254	283	280	279	278	278	277	277	276	276	276	274	276	278	278	252	254	253	253	255	253	253	254	276	277	279	276	277	278	278	278	277				
PKLG	U004	277	277	278	279	265	251	233	166	135	143	146	147	147	169	238	275	280	276	276	275	274	275	277	271	281	274	274	281	280	274	256	251	253	249	251	250	249	250	249	261	280	276	265	277	277	275	272	276		
PKLG	U005	466	473	446	468	446	367	266	270	269	270	274	268	270	303	384	484	457	466	460	482	465	463	469	465	460	480	463	461	457	474	451	461	476	455	465	446	467	472	466	460	472	455	465	463	464	469	466	440		
TBIN	U001	689	690	690	690	689	689	689	648	548	549	550	600	629	688	690	690	690	689	690	688	689	690	688	689	690	689	689	688	689	688	689	688	689	688	689	688	689	688	689	688	689	689	690	690	689	690	689	691		
TBIN	U002	690	689	690	688	689	691	689	657	555	529	551	600	620	689	689	692	692	692	688	691	688	691	692	690	693	692	690	692	692	691	690	689	689	689	689	688	689	690	691	689	689	689	689	691	690	690	685	685		
TBIN	U003	688	686	686	687	686	684	684	687	546	550	550	551	560	688	691	687	689	689	691	686	687	686	688	688	686	689	684	684	687	689	687	687	686	686	687	687	686	686	687	687	686	687	687	690	687	688	687	686		
Total ST-Coal		8103	7998	7998	8047	8066	7909	7799	7731	7397	7403	7401	7510	7583	7923	8136	8315	8349	8675	8718	8640	8367	8376	8370	8298	8375	8385	8368	8387	8388	8390	8315	8316	8341	8299	8305	8275	8251	8284	8264	8299	8358	8369	8348	8370	8347	8379	8435	8389		
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	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	0
CBPS	BLK2	361	361	281	211	210	212	207	202	210	208	209	211	209	205	211	207	212	212	362	362	365	359	360	362	358	362	366	365	357	364	366	370	370	369	370	370	371	373	373	375	377	376	377	378	378	377	377	376	376	
EMPP	BLK1	705	585	529	419	422	418	408	402	414	408	412	431	519	638	482	408	485	711	706	709	711	708	699	712	692	710	715	716	689	720	697	681	693	721	686	707	709	687	709	713	684	710	688	677	681	718	701	701		
EMPP	BLK3	710	586	532	415	425	419	409	401	416	409	411	435	516	639	483	408	486	711	711	709	712	708	704	712	692	712	715	717	688	720	701	684	694	721	685	708	710	685	709	713	684	710	689	677	683	717	708	701		
GLGR	GT02	94	94	94	94	94	94	94	94	94	94	94	95	95	95	95	95	94	95	94	94	94	94	94	94	94	94	94	94	95	95	95	95	95	95	95	94	94	95	94	94	94	95	95	94	95	94	95			
GLGR	ST1C	41	42	42	42	41	42	41	41	42	42	42	41	41	41	41	42	42	41	41	41	42	42	41	41	41	41	41	41	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	0	0	
NPRI	BLK1	398	320	318	321	319	320	314	308	316	316	319	320	319	311	313	313	320	341	515	515	518	511	509	517	509	515	521	520	509	518	514	503	509	526	504	511	511	508	515	518	503	514	508	500	505	521	512	515		
NPRI	BLK2	329	329	336	329	326	335	323	315	326	322	323	329	326	320	331	320	330	398	398	501	529	520	372	527	518	523	528	529	518	526	521	512	519	536	515	522	523	518	528	529	514	524	520	511	515	533	523	527		
PCGP	PGRG	599	603	604	602	397	431	390	387	544	540	495	502	540	583	601	591	601	608	603	603	610	595	596	607	591	603	613	615	590	623	597	578	593	625	580	595	596	586	603	608	578	597	584	571	581	619	597	604		
PLPS	GT11	129	129	129	129	129	128	129	128	128	128	129	128	128	128	129	129	129	128	122	122	127	126	115	115	115	120	119	112	120	138	135	137	142	135	139	116	136	139	142	134	139	136	132	134	142	139	136			
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	0	0	
PLPS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	ST18	58	59	58	58	58	58	58	58	58	59	58	58	59	60	59	59	59	59	59	59	59	59	61	58	143	134	134	135	134	160	206	212	211	210	211	208	210	196	205	210	210	209	211	209	208	209</				

