

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,512 MW
Distillate	0 MW
Total TNB	2,512 MW
Total IPP	19,017 MW
Total Co-Gen	0 MW
Total System	23,462 MW

Generation Mix

Type	MWh	Percentage
Hydro	26,013	6.70 %
Gas	15,227	3.92 %
Total TNB	41,240	10.63 %
ST-Coal	227,820	58.71 %
LSS	6,181	1.59 %
Gas	113,910	29.36 %
Total IPP	347,911	89.66 %
Co-Gen	518	0.13 %
Total Co-Gen	518	0.13 %
Total Generation	389,669	100.42 %
PLTG	927	0.24 %
HVDC	716	0.18 %
Interconnection	1,643	0.42 %
Net Energy	388,026	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	19,464 MW
TNB Generation	2,302 MW
IPP Generation	15,875 MW
Spinning Reserve	1,265 MW
Maximum Demand	18,112 MW
Net Energy	388,026 MWH
Load Factor	89.27 %

Fuel Cost

Total Cost:	132,022,754.66 RM
Cost per Unit	33.88 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	735
Hydro	283
Syncon	406
Thermal	198
Total	1,622

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	83
Total TNB	112
CBPS	52
EMPP	207
KLPP	108
NPRI	119
PCGP	86
PGLA	109
SGB3	51
SKSP	45
Total IPP	778
Total Gas	890
Total Gas Required	890

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	16046	15295	14592	14115	13862	13544	13847	13754	14096	15715	16636	17124	17019	16799	17449	17831	18039	17821	16783	16545	17891	17951	17493	17191

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 6, 2022 2:00:10 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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	U002	706	705	538	234	218	214	213	214	212	214	214	215	214	214	355	589	702	707	708	707	707	705	706	706	707	707	707	706	704	707	705	707	712	701	707	711	709	706	709	704	708										
JMHE	U001	978	978	981	978	894	863	864	863	859	861	859	859	860	858	879	861	863	975	975	974	976	980	976	978	979	973	979	978	977	976	974	978	973	978	979	983	980	975	975	982	976	979	980	978	971	979	976	976			
JMHE	U002	974	973	976	975	896	865	860	860	862	861	863	858	862	859	860	861	864	969	977	975	976	982	977	976	981	975	978	978	977	977	973	978	973	978	980	984	977	980	979	983	978	981	981	980	974	981	980	979			
JMJG	U001	668	662	669	662	665	671	669	659	663	658	655	658	662	607	667	666	667	666	663	669	667	667	666	668	668	660	665	666	667	663	666	667	670	666	673	614	564	586	665	669	671	666	667	645	661	671	667				
JMJG	U002	672	672	672	672	679	674	672	675	672	673	673	672	670	678	672	667	673	678	673	677	676	678	677	675	675	674	673	668	677	672	671	671	676	669	670	677	672	673	676	675	673	673	675	673	672	675	674	670			
JMJG	U004	974	974	970	919	901	892	862	860	862	860	862	861	863	862	862	861	862	908	964	977	977	975	975	972	977	977	977	973	974	978	974	977	977	973	975	975	977	973	977	975	976	977	976	976	975	976	977				
JMJG	U005	983	982	983	895	904	863	860	862	855	863	858	859	860	859	860	858	860	928	980	982	976	978	982	980	979	978	979	979	983	974	974	977	981	978	979	981	978	977	978	981	978	977	978	979	980	979	977	980			
PKLG	U004	270	200	149	148	153	150	148	150	150	151	149	152	151	152	149	150	151	150	150	150	150	150	151	149	151	148	148	244	276	274	278	278	273	275	273	274	274	275	272	275	274	273	272	272	273	275	280				
PKLG	U005	460	379	296	267	269	269	269	269	268	267	270	269	267	269	268	269	268	268	269	269	268	268	270	270	269	269	268	268	270	270	269	269	268	330	426	463	465	464	466	468	468	466	466	466	471	468	466	465	465	469	466
PKLG	U006	448	445	406	315	268	268	268	268	269	268	269	268	268	269	269	269	269	269	269	269	269	269	273	347	435	448	449	446	450	448	449	447	447	450	450	448	448	448	446	449	449	446	445	449	449	443	450	451	450		
TBIN	U001	697	698	700	700	700	698	704	699	700	699	699	700	700	695	697	700	699	699	698	698	699	698	699	698	698	699	698	700	699	702	701	699	701	698	698	698	698	697	700	703	698	699	700	701	702	698	699	698	700		
TBIN	U002	703	699	701	699	700	580	279	209	210	213	213	211	211	211	212	210	211	372	661	701	700	702	699	701	700	700	700	702	700	700	700	702	703	705	702	703	705	703	702	707	704	701	702	705	703	705	705	705			
TBIN	U003	700	699	698	699	701	700	698	699	700	700	705	703	698	700	701	702	700	698	700	700	701	703	700	700	701	701	700	700	701	703	699	697	700	699	701	698	699	699	700	699	699	701	700	700	701	701	706	706			
TBIN	U004	940	938	939	904	902	888	862	864	863	864	863	864	863	860	863	865	863	938	944	937	940	936	939	939	941	941	937	938	937	939	937	938	939	935	937	939	939	941	939	940	938	938	940	942	937	939	939	937			
Total ST-Coal		1017310004	9678	9067	8850	8597	8222	8156	8146	8151	8153	8146	8149	8098	8173	8149	8167	8873	9513	9680	9682	9700	9761	9849	9870	9861	9853	9852	9961	10046	10120	10180	10181	10176	10178	10209	10131	10076	10114	10201	10181	10196	10201	10194	10140	10192	10194	10201				
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	343	347	345	344	335	341	346	336	345	338	337	338	345	344	337	336	345	332	332	333	333	336	338	329	336	342	352	351	351	350	344	350	352	353	351	344	344	201	238	355	352	356	353	351	346	348	341	342			
EMPP	BLK1	687	711	697	717	698	712	724	706	712	674	648	675	710	710	686	677	718	694	690	702	705	711	712	688	696	685	710	709	709	708	688	709	712	711	711	689	680	709	702	714	707	718	714	712	702	703	710	710			
EMPP	BLK2	703	710	710	716	707	713	723	707	713	690	663	684	710	709	700	688	719	707	709	709	706	711	712	701	708	701	710	710	710	708	702	709	711	711	710	703	698	709	708	714	707	718	713	711	704	712	710	710			
GLGR	GT02	90	91	90	91	90	91	91	91	91	91	90	90	90	90	90	90	91	90	90	90	90	90	92	90	90	90	90	91	90	90	90	90	91	90	91	90	90	90	91	90	90	90	90	90	90	90	90				
GLGR	ST1C	41	41	39	40	40	40	41	40	40	40	39	40	40	40	40	40	40	39	40	40	40	40	40	40	40	41	40	41	40	40	40	40	40	41	40	40	40	41	41	40	39	39	40	41	40	40	40				
KLPP	GT13	130	130	130	135	130	130	136	131	131	73	71	73	74	77	74	74	78	101	112	112	116	137	138	138	131	114	113	114	131	138	141	140	139	140	140	109	110	113	113	138	140	140	141	140	140	140	140	140			
KLPP	GT14	155	154	154	156	157	157	157	157	157	101	78	81	84	87	82	83	88	123	116	116	116	154	155	156	126	111	118	119	135	154	156	156	156	156	156	121	117	125	120	153	156	156	157	153	152	152	155	154			
KLPP	GT15	110	135	135	135	135	135	135	135	135	80	80	80	80	80	80	80	80	101	101	112	115	144	144	144	110	110	110	110	140	140	140	145	145	145	110	110	110	110	110	110	110	110	110	110	140	140	140				
KLPP	ST17	213	211	211	211	210	211	211	210	211	183	148	149	150	157	151	151	152	182	194	194	196	214	211	211	204	198	199	199	206	213	212	213	212	213	213	194	198	202	200	214	213	213	213	212	212	212	212	212			
NPRI	BLK1	440	448	445	521	510	518	526	395	314	304	300	302	311	311	308	306	317	304	305	308	307	313	313	301	306	301	310	311	310	309	302	310	329	399	311	301	298	311	304	316	506	512	509	505	391	308	310	311			
NPRI	BLK2	439	449	447	526	514	521	532	398	311	304	300	302	310	312	305	304	318	305	307	305	305	311	314	301	305	301	310	310	310	309	302	309	329	398	320	311	307	322	313	326	508	517	512	509	392	306	311	310			
PCGP	PGRG	583	603	592	415	389	407	427	599	610	590	580	587	604	603	595	592	615	590	596	597	597	607	608	584	594	584	601	602	600	598	586	600	605	604	600	583	578	601	588	612	608	617	607	599	588	597	599	602			
PGLA	GT11	218	220	220	223	218	221	224	219	221	217	216	213	220	221	190	189	194	219	175	208	219	222	222	218	174	165	168	167	190	219	222	224	224	224	223	196	137	135	149	219	219	221	220	219	216	219	219	220			
PGLA	GT12	223	226	226	228	223	225	230	2																																											

Daily MW Generation on Wednesday

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	118	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY02	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HTRG	HY03	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	31	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	37	25	25	25	24	24	23	24	23	23	23	24	23	23	23	23	24	37	37	37	37	37	37	37
KNRG	HY03	35	24	24	25	24	23	23	22	23	22	22	22	23	22	22	22	23	35	35	35	35	35	35	35
KNYR	HY01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
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	104	104	104	104	104	104	103	103	103	104	104	104	104	103	103	103	104	104	104	104	103	103	103	103
KNYR	HY04	102	102	101	102	102	102	102	102	102	102	102	102	102	102	102	102	101	101	102	102	102	102	102	102
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	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	HY01	0	0	0	0	19	-1	-1	-1	20	19	19	20	19	20	20	20	21	22	22	22	22	21	21	21
PGAU	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
SIHY	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
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	41	0	0	-1	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	84	84	83	83	83	83	83	83	83
TMGR	HY02	43	46	39	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	83	83	83	83	83	83	83	83
TMGR	HY03	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	82	82	81	82	80	82	82	82
TMGR	HY04	40	62	41	83	61	83	83	77	85	63	48	69	85	85	75	60	85	40	41	55	81	82	82	39
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	92	97	184	182
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	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		1057	709	680	683	679	679	679	669	681	653	631	651	668	670	489	475	673	814	816	830	1096	1217	1252	1359
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
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
MNLS	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 Wednesday

[illegible]