

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,306 MW
Distillate	0 MW
Total TNB	2,306 MW
Total IPP	19,836 MW
Total Co-Gen	0 MW
Total System	25,818 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,437	2.37 %
Gas	58,607	14.71 %
Total TNB	68,044	17.07 %
ST-Coal	235,275	59.04 %
LSS	4,556	1.14 %
Gas	89,017	22.34 %
Total IPP	328,848	82.52 %
Co-Gen	1,258	0.32 %
Total Co-Gen	1,258	0.32 %
Total Generation	398,150	99.91 %
PLTG	324	0.08 %
HVDC	-697	-0.17 %
Interconnection	-373	-0.09 %
Net Energy	398,523	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:	16:00:00 Hour
Total Set On Bus	20,266 MW
TNB Generation	3,784 MW
IPP Generation	15,316 MW
Spinning Reserve	1,116 MW
Maximum Demand	19,183 MW
Net Energy	398,523 MWH
Load Factor	86.56 %

Fuel Cost

Total Cost:	102,686,041.04 RM
Cost per Unit	25.79 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	564
Hydro	522
Syncon	336
Thermal	267
Total	1,689

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	161
Total TNB	190
CBPS	49
EMPP	207
NPRI	159
PCGP	87
PLPS	76
SPGP	200
Total IPP	778
Total Gas	968

Total Gas Required 968

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	16310	15485	14867	14393	14073	13741	14040	13746	14259	16243	17185	17758	17720	17644	18443	18994	19183	18674	17464	17253	18029	18040	17467	17009

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, June 7, 2022 9:39:22 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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	586	505	454	405	356	359	308	307	304	305	305	305	305	304	306	304	370	503	604	604	696	696	696	698	699	697	696	693	696	694	696	696	695	695	693	697	696	695	696	697	695	695	696	695	699	606	606	607
JMAH	U002	584	503	454	404	354	359	305	305	305	303	304	303	304	303	303	371	505	604	604	696	694	701	698	695	698	693	690	698	694	695	695	693	694	698	694	694	693	694	695	694	695	698	696	696	603	602	606	
JMHE	U001	979	980	978	980	928	928	899	898	897	860	858	858	864	863	860	856	854	947	977	974	974	973	979	974	976	975	974	977	976	974	972	977	973	968	976	970	972	973	976	974	977	975	975	971	975	971	976	
JMHE	U002	980	979	980	976	929	930	901	898	900	860	854	861	860	857	871	859	856	954	978	980	980	982	983	981	978	982	979	983	983	982	979	975	981	980	976	980	980	978	982	983	980	981	978	979	977	977	982	
JMJG	U001	596	598	597	601	597	597	598	601	600	563	557	557	590	602	596	600	615	670	673	672	662	667	667	659	664	673	667	664	673	667	665	639	649	645	649	645	646	642	645	649	605	580	590	610	645	647	626	
JMJG	U002	596	598	596	603	601	604	598	596	598	558	549	553	585	603	603	604	618	677	676	673	676	676	673	675	674	672	672	672	674	674	675	675	676	673	672	677	673	677	677	674	671	678	678	676	675	649	651	626
JMJG	U004	981	980	976	978	939	935	901	903	902	873	863	865	864	863	865	867	865	867	903	960	977	978	977	975	977	981	977	983	977	977	978	979	978	977	978	977	977	978	979	978	978	977	978	979	977	980	983	983
JMJG	U005	977	969	972	967	925	925	894	897	898	859	858	858	861	862	860	859	859	859	952	968	974	975	979	972	974	973	969	971	972	972	970	975	972	972	972	972	971	960	975	976	975	972	971	969	971	966	968	966
PKLG	U004	196	154	155	157	156	160	157	156	156	156	158	156	155	158	157	156	158	155	192	190	187	219	255	274	269	272	271	267	268	265	270	276	274	270	272	274	273	277	274	273	276	272	271	274	273	272	245	164
PKLG	U005	271	268	268	269	267	269	268	269	269	269	269	269	271	268	267	268	266	269	302	302	303	334	440	462	466	466	470	466	464	468	465	463	465	467	449	474	468	467	466	471	452	467	470	456	466	470	436	332
PKLG	U006	409	346	280	267	270	269	268	269	268	268	268	268	268	268	269	268	268	269	305	305	302	339	404	447	449	450	446	448	450	448	448	449	446	446	446	449	446	450	446	448	449	448	449	446	449	448	411	404
TBIN	U001	597	597	550	501	502	402	399	350	297	300	300	299	299	333	331	329	371	505	551	599	654	683	687	686	686	687	687	686	687	685	685	686	684	687	687	687	687	687	686	687	688	686	689	686	687	648	648	649
TBIN	U002	574	597	551	498	502	427	405	348	300	308	304	306	304	337	334	332	378	505	555	603	652	693	691	685	694	694	697	692	690	691	691	693	693	691	696	692	694	693	690	689	693	691	693	690	692	650	653	654
TBIN	U003	600	600	548	503	502	420	402	352	299	304	301	301	303	335	332	333	356	510	557	599	663	694	694	693	692	693	694	692	691	692	692	692	693	695	692	692	691	689	693	693	692	692	691	688	655	652	653	
TBIN	U004	936	934	934	935	934	934	902	904	904	865	863	865	863	863	863	863	908	942	938	937	937	938	938	940	939	936	939	940	938	938	934	936	932	936	932	936	934	937	935	935	934	933	936	936	935	934	934	
Total ST-Coal		9862	9608	9293	9044	8762	8518	8206	8052	7898	7651	7611	7624	7696	7819	7817	7800	8068	9103	9771	9971	10333	10540	10764	10817	10833	10852	10834	10823	10831	10829	10823	10825	10801	10803	10779	10826	10799	10798	10809	10821	10798	10772	10750	10738	10766	10478	10384	10162
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	358	303	224	221	218	221	220	218	224	224	217	276	362	361	325	221	272	352	352	359	361	360	360	358	353	359	350	356	354	356	356	357	359	361	352	359	322	226	223	225	365	357	357	365	357	361	358	360
EMPP	BLK1	712	710	709	709	705	710	710	706	711	710	703	710	709	713	602	702	698	707	698	710	710	703	711	709	705	710	700	708	713	709	710	709	712	710	696	710	703	669	675	714	687	709	703	708	700	710	704	711
EMPP	BLK3	713	711	709	709	705	709	710	705	711	711	703	711	710	713	602	699	699	706	698	711	710	703	713	710	705	711	699	709	712	708	710	710	712	711	696	710	703	666	675	714	688	709	704	709	700	709	704	710
GLGR	GT02	107	107	92	92	93	92	92	93	92	93	92	92	92	93	93	92	92	92	92	92	92	93	92	92	91	93	92	92	92	92	92	92	92	92	92	92	92	93	93	93	93	92	92	93	93	92		
GLGR	ST1C	46	46	40	40	40	40	39	39	39	40	39	40	40	39	40	40	40	40	40	39	40	41	41	40	40	40	40	40	40	39	39	40	40	40	40	38	39	41	39	39	39	41	40	40	40	39	41	
NPRI	BLK1	512	514	512	510	509	515	515	508	515	517	506	514	515	515	502	506	503	509	502	515	515	508	511	515	509	513	505	514	515	512	513	515	518	515	504	511	508	512	464	451	520	520	512	520	509	520	514	521
NPRI	BLK2	527	527	521	524	509	526	529	521	528	529	520	529	528	529	449	420	490	388	497	519	521	502	518	519	498	502	496	502	523	502	520	520	524	523	497	518	441	365	363	531	496	519	512	518	493	520	505	520
PCGP	PGRG	599	599	595	593	589	601	602	587	602	601	587	603	601	603	578	514	579	491	580	605	602	589	599	602	592	596	582	599	611	595	599	602	608	603	579	594	587	496	499	605	600	602	585	600	580	598	588	602
PLPS	GT11	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	102	140	141	136	114	110	115	115	138	139	139	139	133	115	113	115	115	118	140	140	137	140	136	139	131	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		
PLPS	GT13	123	125	124	125	125	124	124	124	124	124	124	124	124	125	124	124	124	125	124	123	123	126	127	124	112	108	112	112	138	138	138	137	139	120	117	120	119	121	144	144	142	145	140	144	137	118		
PLPS	ST18	121	58	59	59	58	58	59	58	58	59	58	58	57	58	58	58	58	59	58	59	58	59	117	138	141	137	130	131	199	201	209	209	210	209	208	209	197	195	196	196	195	209	208	209	206	209	206	130
SPGP	BLK1	719	718	719	720	719	718	717	718	720	717	721	718	719	718	720	719	718	719	713	712	712	709	710	711	706	702	678	690	693	689	69																	

Daily MW Generation on Tuesday

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		
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	63	63	0	0	0	0	0	62	
HTRG	HY03	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4	4	0	0	0	0	0	
HTRG	HY04	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	4	4	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	32	32	33	32	32	22	22	22	0	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	37	37	37	37	37	24	24	24	0	
KNRG	HY03	22	22	22	22	22	23	22	23	23	22	23	22	22	23	22	22	36	35	35	35	35	21	21	22	22	
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	19	19	19	18	18	
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	18	18	18	18	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	3	
PGAU	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	
PGAU	HY04	21	21	21	21	21	21	21	21	21	22	21	21	21	22	21	21	21	21	22	22	21	21	21	21	21	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	30	30	30	30	30	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	30	30	30	30	30	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	0	0	17	17	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	0	0	17	17	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	0	0	17	17	
TMGR	HY01	43	43	56	43	42	43	43	58	44	43	42	43	51	41	42	42	43	41	43	66	45	45	42	43	44	44
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	36	64	64	89	89	31	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	60	60	84	84	84	33	33	33	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	61	61	81	81	79	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	92	93	117	146	108	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	94	95	120	150	111	
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	
Total Hydro		197	197	211	198	197	198	199	198	214	200	197	198	198	230	196	197	197	199	199	208	202	197	198	261	196	198
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	0	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	13	15	19	20	22	24	25	26	21	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	11	16	20	23	26	29	27	31	32	32	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	13	18	21	24	25	23	32	29	32	31	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	13	19	33	35	25	31	20	31	19	25	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	11	16	19	22	14	30	9	22	10	17	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	16	22	28	32	38	34	36	26	42	33	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	10	14	18	22	25	28	24	27	26	29	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	12	14	17	32	38	32	37	30	21	39	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	9	18	27	35	49	58	67	70	83	65	64	95	77	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	14	23	27	31	31	38	36	42	24	39	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	-1	1	2	4	7	12	17	20	23	22	19	17	24	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	10	15	19	25	26	30	27	29	15	30	22	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	9	29	46	76	81	92	76	50	45	73	78	99	95	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	14	26	22	37	39	42	42	30	29	32	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	12	15	18	27	32	35	37	35	35	36	39	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	13	16	19	22	26	21	27	29	17	20	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	9	15	20	30	30	30	20	23	29	30	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	-1	31	93	182	262	382	457	565	583	575	539	539	577	
PCUF	CUFG	26	28	27	27	29	28	28	28	28	28	27	27	25	25	23	24	23	24	22	24	23	24	23	23	23	
PCUF	CUFK	26	26	26	25	27	24	26	26	24	26	27	26	25	27	27	27	26	27	26	27	26	25	28	26	27	
Total Co-Gen		52	54	53	52	56	52	54	54	52	55	55	55	57	56	53	54	53	55	54	52	50	49	50	51	50	
Total Gen		16275	15855	15444	15182	14867	14663	14360	14164	14072	13806	13713	13835	13990	14150	13736	13754	14260	15307	16217	16638	17130	17506	17762	17876	17722	

Daily MW Generation on Tuesday

[illegible]