

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,485 MW
Distillate	0 MW
Total TNB	2,485 MW
Total IPP	16,842 MW
Total Co-Gen	0 MW
Total System	22,315 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,010	6.28 %
Gas	48,436	13.83 %
Total TNB	70,446	20.11 %
ST-Coal	181,308	51.76 %
LSS	5,743	1.64 %
Gas	93,166	26.60 %
Total IPP	280,217	79.99 %
Co-Gen	660	0.19 %
Total Co-Gen	660	0.19 %
Total Generation	351,323	100.29 %
PLTG	1,777	0.51 %
HVDC	-751	-0.21 %
Interconnection	1,026	0.29 %
Net Energy	350,297	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	18,024 MW
TNB Generation	4,014 MW
IPP Generation	12,993 MW
Spinning Reserve	998 MW
Maximum Demand	16,920 MW
Net Energy	350,297 MWH
Load Factor	86.26 %

Fuel Cost

Total Cost:	116,923,143.96 RM
Cost per Unit	33.28 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	297
Hydro	647
Syncon	343
Thermal	152
Total	1,439

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	31
TJGS	189
Total TNB	220
EMPP	309
NPRI	162
PCGP	89
PGLA	26
SPGP	105
Total IPP	690
Total Gas	911
Total Gas Required	911

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	13188	12538	12202	11902	11688	11667	12143	12630	13122	14590	15235	15566	15448	15290	16023	16622	16829	16644	15702	15692	16705	16485	15921	15484

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, February 8, 2023 9:40:48 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	705	708	704	661	466	305	211	215	213	214	213	213	249	474	647	707	707	707	706	705	706	706	709	705	701	704	707	707	708	705	708	705	706	705	704	706	706	707	707	706	704	709	706	705	703	706	699			
JMHE	U001	897	900	843	849	852	849	850	848	846	850	848	848	849	847	848	851	849	951	984	978	981	977	979	981	975	981	982	981	982	979	979	983	978	979	981	980	978	982	980	983	981	979	979	977	978	980	979	982		
JMHE	U002	900	903	846	852	853	850	848	849	848	851	850	849	850	851	849	850	962	982	980	982	978	976	981	976	980	978	979	980	977	981	983	979	980	979	981	977	980	978	982	982	979	978	978	977	981	979	982			
JMJG	U001	679	678	674	679	678	677	681	674	676	677	677	678	679	679	678	677	679	678	677	679	678	671	676	677	679	678	671	676	677	673	680	677	675	674	674	675	676	676	677	673	679	678	676	683	675	682	678	678		
JMJG	U003	674	673	677	674	669	679	683	679	677	673	678	677	677	679	678	671	695	651	687	678	667	693	639	693	658	679	687	654	689	659	694	654	690	685	682	688	662	689	662	690	664	683	671	673	681	678	674			
JMJG	U005	899	899	870	849	848	848	850	849	849	849	848	848	850	849	849	850	917	977	977	977	976	974	974	975	972	976	975	976	975	973	974	973	974	977	975	974	974	973	977	973	972	978	975	975	975	977				
PKLG	U003	156	150	150	151	151	151	150	150	151	150	152	151	151	151	151	151	164	265	286	284	285	283	279	278	279	278	279	277	278	279	277	276	276	276	276	277	277	278	278	278	278	273	278	277	278	275	274	219		
PKLG	U004	147	148	147	148	149	146	148	147	145	147	149	147	146	147	148	146	147	146	145	202	261	279	272	275	275	274	276	276	274	277	279	280	276	274	277	275	275	274	276	274	273	276	271	277	274	273	273	211		
PKLG	U005	269	269	269	267	270	269	269	269	267	268	271	269	268	271	269	268	270	268	267	269	388	454	481	432	340	289	258	266	311	385	453	470	475	473	471	474	471	472	470	472	468	478	471	473	468	469	397			
TBIN	U001	360	219	208	209	211	209	210	211	211	209	211	210	210	208	210	215	318	470	671	701	697	696	697	696	698	699	700	698	697	698	697	700	697	697	697	698	698	698	697	697	698	700	697	699	698	695	628			
TBIN	U002	204	210	208	210	211	210	210	211	211	210	210	211	210	210	215	371	607	699	698	698	698	696	701	692	699	702	699	698	700	699	696	700	699	702	696	699	702	696	698	699	701	697	699	700	699	695	699			
TBIN	U004	902	901	884	853	856	853	854	854	855	853	852	852	851	854	853	852	934	982	981	983	982	984	982	983	982	982	983	984	983	983	984	981	982	981	982	983	985	982	985	982	979	981	983	983	984	984	984			
Total ST-Coal		6792	6658	6480	6402	6214	6046	5962	5956	5949	5952	5960	5952	5954	5991	6217	6401	6715	7500	8008	8085	8175	8293	8399	8373	8359	8243	8213	8200	8175	8247	8300	8406	8367	8405	8404	8397	8406	8388	8407	8382	8416	8372	8402	8397	8390	8399	8385	8130		
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
EMPP	BLK1	717	713	719	702	683	700	698	630	592	596	629	713	728	728	708	710	705	689	684	698	689	681	676	685	673	682	689	689	711	710	714	718	726	716	716	710	707	711	710	720	715	709	707	691	683	695	684	690		
EMPP	BLK2	717	712	718	709	710	710	711	705	692	690	711	713	728	728	709	711	705	688	685	700	689	682	675	684	673	682	688	688	710	709	713	718	725	715	716	710	707	710	709	720	713	710	711	690	683	696	685	691		
EMPP	BLK3	717	712	719	710	710	710	708	705	691	691	711	713	728	729	709	711	711	695	689	704	694	687	681	689	678	687	693	693	712	711	714	719	726	717	717	712	708	711	711	721	713	710	711	690	682	695	685	690		
GLGR	GT01	107	93	93	91	92	93	92	92	92	91	93	93	92	90	93	92	109	111	110	109	108	108	110	109	109	94	108	108	107	107	106	106	107	107	108	92	94	93	108	108	108	107	109	108	108	110				
GLGR	GT02	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
GLGR	ST1C	54	40	41	41	40	41	41	41	41	41	41	41	41	41	41	46	48	47	48	48	47	48	48	47	48	48	48	48	48	48	48	48	48	48	48	42	43	48	47	48	48	46	47	48	47	49				
NPRI	BLK1	525	518	522	515	517	517	513	512	510	508	518	518	532	529	516	518	515	516	512	515	512	508	502	512	501	505	516	511	520	517	521	523	526	521	518	517	509	519	516	524	520	516	515	509	503	510	505	515		
NPRI	BLK2	527	518	525	517	518	518	516	514	510	510	520	520	533	532	517	518	515	517	514	515	514	509	503	514	502	508	517	513	522	520	524	526	532	523	521	518	509	520	518	529	521	517	517	511	505	512	507	515		
PCGP	PGRG	616	601	617	598	601	598	595	589	586	584	601	603	635	631	603	601	597	595	601	595	586	575	598	573	586	605	597	613	609	616	621	633	611	607	595	578	606	599	619	605	594	592	581	572	591	582	594			
PGLA	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	17	20	25	25	55	85	85	90	90	89	91	120	114	123	145	220	224	224	226	226	201	149	148	149	227	226	226	225	223	218	217	219	222				
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	79	110	112	112	113	114	114	88	88	88	115	115	115	115	114	113	114	111	111			
SPGP	BLK2	719	718	720	719	718	718	719	721	720	720	716	719	718	719	719	720	717	719	718	719	718	715	717	713	712	710	710	704	705	704	702	696	700	698	711	714	714	716	716	718	719	718	717	718	719	719	722			
TJGS	GT1A	226	227	226	226	224	227	226	225	227	225	125	123	135	227	225	223	224	222	227	227	226	222	220	222	164	142	121	226	224	226	222	223	222	222	177	141	229	222	223	224	225	222	218	218	218	219				
TJGS	GT1B	218	219	220	218	218	220	220	220	218	218	121	117	127	223	219	218	216	219	221	217	220	212	212	214	157	134	114	217	217	216	215	214	222	218	217	167	134	217	219	220	215	215	217	212	218	212	216			
TJGS	ST1C	245	243	245	243	242	242	243	242	242	243	207	164	167	248	242	242	242	243	242	243	244	244	241	243	214	178	171	240	245	246	246	247	250	248	248	246	211	180	237	248	247	247	246	246	246	247	246	246		
TJGS	GT2A	163	163	164	164	165	164	163	164	165	165	165	165	165	197	231	230	230	231	231	166	134	189	216	222	221	219	197	221	219	217	216	218	217	218																

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	
KNRG	HY02	22	22	22	21	21	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
KNRG	HY03	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
KNYR	HY01	62	61	-1	-1	-1	-1	-1	-1	-1	-1	99	99	99	99	99	100	-1	-1	-1	-1	-1	-1	-1	-1	
KNYR	HY02	61	61	61	60	60	60	61	60	60	60	61	100	100	99	100	99	100	99	99	100	100	100	100	100	
KNYR	HY03	55	54	55	54	54	54	54	53	53	53	54	97	98	99	99	99	98	97	97	97	97	97	97	97	
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	102	102	102	102	102	101	102	102	-1	-1	-1	-1	-1	-1	-1	
LPIA	HY01	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
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	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	21	21	21	21	21	21	21	
PGAU	HY03	22	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	21	21	20	20	20	21	21	
PGAU	HY04	21	21	21	22	21	21	21	21	21	21	144	82	21	22	22	22	22	22	21	21	20	20	20	21	
SIHY	HY01	30	30	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	17	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	17	17	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	86	89	89	85	66	83	81	44	44	45	70	86	88	88	87	89	46	45	45	47	45	42	42	45	
TMGR	HY02	33	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	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	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	41	41	81	84	82	85	
UJLI	HY01	95	93	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	93	93	93	95	150	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	93	93	95	150	185	
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		716	705	466	459	459	460	457	422	420	420	447	566	752	877	813	756	713	823	709	804	801	628	438	446	
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	
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	6	7	13	16	20	21	18	18	10
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	16	19	23	27	29	30	31	28	29	31
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	14	22	27	29	30	32	32	32	30
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	8	14	40	41	40	41	43	43	44
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	11	17	30	30	26	28	37	21	18
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	14	12	18	16	22	14	17	30	30	14
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	21	28	33	39	40	42	47	48	49
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	16	21	25	26	30	30	31	31	29
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	10	13	20	24	35	20	46	48	48	46
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	11	21	36	59	76	82	84	83	90	90	90
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	11	18	30	29	34	41	38	38	45	45
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	7	15	20	27	30	30	30	31	17
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	15	28	44	76	88	77	85	86	82	67
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	8	10	20	25	26	18	20	20	23	19
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	9	15	15	17	19	6	18	21	13
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	12	21	28	25	38	43	32	26	22	25	29	27
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	9	29	33	44	50	62	55	61	48	46	40	48
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	10	16	26	41	67	67	98	93	103	105	93	88
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	16	24	29	47	48	52	52	52	42

