

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,169 MW
Distillate	0 MW
Total TNB	2,169 MW
Total IPP	18,643 MW
Total Co-Gen	0 MW
Total System	24,433 MW

Generation Mix

Type	MWh	Percentage
Hydro	27,802	7.33 %
Gas	48,632	12.82 %
Total TNB	76,434	20.15 %
ST-Coal	200,248	52.79 %
LSS	5,973	1.57 %
Gas	96,204	25.36 %
Total IPP	302,425	79.72 %
Co-Gen	602	0.16 %
Total Co-Gen	602	0.16 %
Total Generation	379,461	100.03 %
PLTG	1,760	0.46 %
EGAT	6	0.00 %
HVDC	-1,663	-0.44 %
Interconnection	103	0.03 %
Net Energy	379,358	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	18,911 MW
TNB Generation	4,072 MW
IPP Generation	13,851 MW
Spinning Reserve	955 MW
Maximum Demand	17,911 MW
Net Energy	379,358 MWH
Load Factor	88.25 %

Fuel Cost

Total Cost:	127,739,482.00 RM
Cost per Unit	33.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,295
Hydro	279
Syncon	53
Thermal	122
Total	1,749

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	81
Total TNB	130
CBPS	35
EMPP	260
KLPP	34
NPRI	74
PCGP	79
PGLA	84
PLPS	96
SPGP	195
Total IPP	856
Total Gas	986
Total Gas Required	986

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	15553	14801	14335	13847	13449	13132	13327	13391	13937	15690	16489	17041	17068	16749	17386	17740	17888	17434	16454	16512	17216	17058	16599	16090

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, October 4, 2022 11:45:18 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	256	213	214	214	213	213	213	214	212	213	213	212	213	214	213	214	213	328	538	704	705	704	705	705	707	699	708	704	706	707	704	706	705	705	681	424	354	354	502	705	705	703	709	395	243	214	214	215			
JMAH	U002	706	706	705	699	707	699	706	704	704	705	707	704	705	706	699	704	705	707	710	707	700	703	704	705	705	707	705	704	702	705	705	703	706	704	703	511	352	353	358	592	705	710	707	706	707	705	353	283			
JMHE	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	43						
JMHE	U002	977	980	981	977	851	848	850	847	850	849	850	849	852	851	850	852	852	851	967	975	982	980	976	979	981	981	981	975	980	982	980	979	976	979	980	976	977	981	979	978	979	977	977	978	978	979	979				
JMJG	U001	669	669	666	672	669	668	666	667	666	670	667	667	666	667	666	664	661	664	666	665	668	664	671	668	665	669	666	667	670	665	664	668	669	666	666	666	667	666	668	666	668	667	667	666	672	668	665				
JMJG	U002	674	671	674	677	673	674	668	675	672	677	674	676	668	672	680	672	671	672	676	674	678	677	675	674	673	677	673	673	673	667	678	673	679	674	672	671	677	671	677	669	668	671	668	672	675	673	676	673			
JMJG	U003	667	669	662	664	677	660	668	669	666	660	668	663	668	665	673	658	661	670	666	663	666	671	666	664	668	657	677	656	670	665	672	655	662	662	667	662	660	662	660	666	662	666	666	666	660	668	665	660			
JMJG	U004	980	977	944	886	858	854	854	853	856	854	854	852	851	855	854	854	854	854	906	961	979	978	983	980	981	983	983	979	981	979	979	980	979	980	981	983	980	980	981	981	978	980	981	981	982	978	980	979			
PKLG	U006	446	398	312	267	269	269	267	269	269	268	268	269	269	269	269	267	280	360	442	452	448	448	449	446	448	446	448	449	449	446	449	447	448	449	449	449	447	447	440	448	449	447	447	449	450	446	389	323			
TBIN	U001	695	697	697	697	696	698	696	698	695	699	699	697	699	695	697	701	698	697	699	697	695	695	697	697	697	697	697	698	699	698	699	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698			
TBIN	U002	699	701	702	704	702	703	700	699	701	702	702	702	704	703	706	706	701	700	705	703	701	699	700	703	702	700	700	701	701	702	703	700	701	701	699	699	705	696	701	703	698	701	699	701	699	701	699	701	703	700	701
TBIN	U003	645	674	674	655	653	652	653	653	652	653	652	652	652	651	652	651	652	652	653	651	650	652	652	652	652	650	650	650	649	650	651	652	652	652	652	656	650	649	656	651	653	651	652	668	664	651	651	650			
TBIN	U004	938	937	883	852	853	854	853	852	851	855	854	854	853	854	852	854	855	854	929	942	944	939	938	939	940	936	938	942	938	939	940	938	939	937	940	938	939	940	941	939	936	939	939	936	936	935	936	937			
Total ST-Coal		8352	8292	8114	7964	7821	7792	7794	7800	7794	7805	7808	7797	7800	7802	7811	7797	7803	8009	8557	8794	8816	8810	8816	8812	8819	8806	8826	8797	8816	8805	8824	8799	8813	8807	8788	8335	8105	8100	8272	8697	8802	8808	8811	8514	8361	8324	7908	7806			
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			
CBPS	BLK2	193	202	200	195	201	201	201	198	202	202	201	201	201	201	201	202	201	201	191	197	201	201	201	200	198	201	201	201	201	200	201	243	199	191	197	202	203	193	196	198	200	191	197	199	194	201	200				
EMPP	BLK1	600	550	548	543	511	470	444	408	444	462	433	412	478	536	437	500	546	594	398	408	446	441	522	611	553	563	411	559	671	663	698	708	709	698	680	692	709	712	686	687	690	605	609	697	701	686	697	711			
EMPP	BLK2	600	550	548	544	449	417	422	408	424	419	410	412	439	484	413	455	487	551	397	408	428	433	499	563	519	522	409	518	612	607	658	709	709	709	696	707	708	713	701	701	707	709	696	704	707	701	708	711			
EMPP	BLK3	600	550	548	544	505	459	438	408	440	449	412	411	459	516	417	491	519	585	397	408	466	471	540	611	559	554	411	564	668	658	692	708	709	698	680	691	708	713	686	686	690	700	674	695	702	686	699	710			
GLGR	GT01	109	65	67	66	68	66	67	67	67	65	66	66	68	65	65	67	73	110	108	109	109	84	65	65	67	66	66	66	66	65	65	65	66	109	98	64	66	66	67	78	108	107	104	80	64	65	65	64			
GLGR	GT02	108	65	66	66	66	66	66	66	66	66	66	66	65	66	66	66	72	109	108	108	106	83	65	65	65	66	66	66	65	65	65	66	107	99	65	65	65	65	66	78	106	106	102	78	66	65	65	65			
GLGR	ST1C	100	76	70	70	70	70	71	71	71	71	71	71	71	71	71	71	71	97	98	99	100	88	72	71	73	69	70	70	71	71	71	95	92	74	71	71	74	97	97	85	71	71	71	71	71						
KLPP	GT15	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110					
KLPP	ST17	58	58	58	58	58	58	58	58	58	57	58	58	58	58	58	59	58	58	57	58	58	58	58	58	58	58	58	57	57	58	58	58	59	58	58	58	59	59	58	58	58	58	58	58	58	58	58				
NPRI	BLK2	498	525	446	374	451	337	335	329	335	333	333	335	338	334	333	335	380	529	499	486	529	524	530	527	527	522	529	530	526	523	521	522	520	517	505	513	529	525	508	514	516	518	502	521	519	508	514	527			
PCGP	PGRG	600	600	600	600	600	600	500	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	420	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600				
PGLA	GT11	135	134	135	134	135	135	136	135	134	135	135	136	134	136	135	136	135	134	135	133	134	134	134	135	134	135	134	136	135	135	135	135	135	135	135	135	134	135	135	135	135	135	135	135	135	135	135				
PGLA	GT12	138	138	137	138	137	137	139	138	138	138	138	138	137	139	138	138	138	137	138	138	138	137	138	138	137	138	137	138	137	138	137	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138			
PGLA	ST10	180	180	180	180	180	180	180	179	179	179	179	179	179	179	179	179	179	180	180	180	180	181	181	181	181	184	181	180	181	181	181	181	181	181	181	181	181	181	181	181	181	179	181	179	181	180	180	181	181		
PLPS	GT11	134	118	116	112	117	117	117	116	116	117	116	116	117	116	115	117	117	110	116	141	116	115	115	115	66	65	66	65	116	127	138	143	143	139	141	64	69	115	141	141	142	140	142	145	140	143	143				
PLPS	GT12	136	0	0	0	0	0	0	0	0	0																																									

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	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																									
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	21	22	22	22	22	22	22	22	22	22	22	31	31	31	31	31	31	31	30	30	30	31	31	23																									
KNRG	HY02	24	24	24	24	25	25	24	25	24	24	25	37	37	37	37	37	37	37	37	37	37	37	37	23																									
KNRG	HY03	21	22	22	22	22	22	22	22	22	22	35	35	35	35	35	35	35	35	35	35	35	35	35	22																									
KNYR	HY01	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	102	102	102	102	100	101	101	101	102																									
KNYR	HY02	105	104	104	105	104	105	104	104	104	104	104	104	104	104	104	104	102	102	102	104	104	104	104	0																									
KNYR	HY03	0	0	0	0	0	0	0	96	97	97	97	98	102	102	102	102	102	102	102	101	101	101	102	103																									
KNYR	HY04	101	102	101	101	102	101	101	102	102	102	102	101	101	101	101	101	101	102	102	101	101	101	101	102																									
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	19	19	19	19	19	19	19	18	18	18	18	18	18	18																									
LPIA	HY02	19	20	20	19	20	19	20	19	19	19	19	19	19	19	19	20	19	18	18	18	18	18	18	18																									
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	21	21	21	21	21	21	21	21	21	21	21	111	111	111	111	111	111	110	110	121	120	121	120	21																									
PGAU	HY02	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	112	112	112	113	112	112	112	122	122	123	122	-1																									
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	51	51	51	31	0																									
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	30	0																									
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	30	0																									
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	17	0																									
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	17	0																									
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	17	0																									
TMGR	HY01	-1	-1	-1	-1	-1	0	-1	-1	-1	-1	0	-1	-1	-1	82	82	81	82	81	81	81	81	81	81																									
TMGR	HY02	45	51	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	87	87	86	86	86	86	86	86	86	86	86	87																									
TMGR	HY03	30	32	78	42	70	78	42	41	44	41	40	56	43	41	49	54	48	38	57	81	81	81	81	80																									
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	81	81	81	81	81	81	81	81	0																									
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	93	94	92	90	92	94	94	126																									
UPIA	HY01	5	6	5	6	6	6	5	6	5	6	6	5	6	5	6	5	6	6	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		661	673	664	629	680	667	630	628	727	724	725	727	742	729	739	743	989	975	994	1021	1412	1413	1414	1409	1403	1395	1412	1406	1553	1548	1640	1706	1697	1557	1473	1430	1431	1445	1649	1566	1570	1561	1538	1405	1323	1245	1158		
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	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	3	7	10	14	19	20	22	24	25	27	29	27	27	27	11	8	9	3	2	1	1	1	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	1	5	6	11	15	16	19	30	14	22	25	20	18	19	18	15	13	11	7	5	3	2	1	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	3	8	13	17	21	22	19	24	31	23	15	21	32	23	29	21	8	6	5	2	2	2	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	5	9	14	12	15	25	37	39	43	26	44	39	17	43	36	21	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	18	24	27	33	21	36	39	40	24	39	30	7	2	5	6	10	10	8	3	1	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	5	8	11	9	9	21	25	8	12	23	19	9	19	28	26	22	14	13	10	3	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	1	4	9	15	24	29	32	36	19	28	50	49	39	48	38	30	24	20	16	11	7	5	3	1	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	1	4	8	12	19	23	25	22	20	18	30	26	30	25	28	20	10	8	10	7	4	4	2	1	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	2	6	12	18	25	31	35	38	37	48	37	47	26	35	45	44	41	37	28	25	3	3	1	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	5	22	36	47	58	67	76	55	69	76	68	85	87	76	80	27	19	10	9	8	6	4	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	1	4	11	17	22	26	30	31	33	41	23	29	37	21	42	26	19	13	18	9	3	3	2	1	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	2	6	11	15	19	25	23	19	19	19	29	29	29	19	15	9	12	9	3	2	2	2	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	4	17	33	46	63	76	87	88	91	100	100	99	100	100	52	29	11	10	45	38	23	15	7	2	0	0	0	0	0	0	0	0				

Daily MW Generation on Tuesday

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