

Availability at Daily Maximum Demand Hour

ST-Coal	9,860 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,347 MW
Distillate	0 MW
Others	0 MW
Gas	8,670 MW
Co-Gen	0 MW
Total System	23,057 MW

Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	20,155 MW
Spinning Reserve	1,027 MW
Maximum Demand	19,033 MW
Net Energy	407,149 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	172
CBPS	44
EMPP	190
KLPP	68
NPRI	138
PCGP	83
SGRI	49
SPGP	195
Total Gas	969

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	237,644	58.37 %
LSS	9,613	2.36 %
Hydro	16,705	4.10 %
Gas	145,222	35.67 %
Co-Gen	-892	-0.22 %
Total Generation	408,292	100.28 %
PLTG	422	0.10 %
HVDC	721	0.18 %
Interconnection	1,143	0.28 %
Net Energy	407,149	100.00 %

Fuel Cost

Total Cost:	101,551,560.27 RM
Cost per Unit	24.77 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	694
Hydro	321
Syncon	587
Thermal	170
Total	1,772

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Cloudy	28

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	16870	16049	15515	15024	14551	14302	14592	14639	14859	16308	17109	17481	17327	17268	18177	18632	18905	18847	17859	17795	19030	18961	18385	18095

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 28, 2024 3:38:35 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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	697	688	695	696	696	695	695	696	696	696	696	696	695	696	695	696	696	695	696	696	695	697	695	696	696
JMAH	U002	698	695	696	693	697	695	695	696	695	695	696	696	696	696	695	696	696	695	696	696	695	697	695	697	697
JMHE	U001	938	940	937	936	934	937	936	935	936	937	938	936	937	936	935	937	937	935	936	936	936	936	936	936	936
JMHE	U002	975	979	974	974	973	977	976	969	971	969	944	947	943	942	919	924	923	923	922	919	920	922	939	935	936
JMJG	U002	316	317	316	318	317	318	316	316	310	312	316	314	315	344	394	464	516	517	521	518	548	621	688	680	677
JMJG	U003	663	671	668	672	667	664	666	668	668	673	670	661	672	667	672	667	671	666	671	672	666	667	666	666	609
JMJG	U005	977	974	977	971	972	977	972	972	971	973	975	948	952	945	951	951	953	978	977	978	977	978	977	979	980
PKLG	U003	275	275	275	276	276	275	276	275	273	274	276	262	210	211	268	277	278	277	277	276	276	276	276	276	276
PKLG	U004	276	275	272	275	279	276	282	280	278	275	260	206	205	252	274	276	274	275	274	278	277	277	276	276	276
PKLG	U005	468	470	470	470	469	468	458	469	467	469	431	347	267	334	411	468	467	468	466	468	468	468	468	468	468
PKLG	U006	468	468	469	465	466	466	468	468	467	465	469	469	466	467	468	467	465	465	468	465	467	467	468	468	468
TBIN	U001	689	689	688	689	689	687	690	689	688	688	689	688	689	689	690	685	691	683	687	688	687	688	687	690	690
TBIN	U002	689	691	688	687	689	689	691	692	689	689	686	687	689	688	688	688	690	687	689	695	689	687	688	688	688
TBIN	U003	685	685	686	684	686	684	684	688	686	685	684	687	682	685	688	687	685	686	687	685	684	684	684	684	684
TBIN	U004	984	981	984	984	985	984	981	983	984	983	984	983	955	953	953	953	985	983	985	982	983	983	983	983	983
Total ST-Coal		9798	9798	9795	9790	9795	9792	9786	9798	9786	9780	9765	9641	9457	9362	9558	9715	9842	9942	9951	9939	9981	10070	10133	10056	10047
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
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
CBPS	BLK2	362	250	201	202	201	202	201	202	201	202	202	201	201	203	201	202	201	202	201	202	202	201	202	292	362
EMPP	BLK1	712	700	723	726	619	514	409	408	404	409	408	414	577	684	411	414	410	456	537	634	733	732	725	723	666
EMPP	BLK3	711	699	730	728	624	518	409	408	404	409	408	411	574	682	411	410	410	461	538	632	733	731	713	722	660
GLGR	BLK1	133	135	134	134	134	135	133	134	134	134	134	135	134	134	133	135	133	134	137	133	134	133	134	137	133
KLPP	BLK1	367	214	186	188	182	179	193	193	193	193	193	193	196	195	193	193	193	194	194	194	193	193	197	193	195
NPRI	BLK1	514	427	398	331	328	330	325	329	322	325	325	330	332	331	326	332	330	331	331	398	429	356	352	348	340
NPRI	BLK2	524	439	403	334	331	333	327	334	325	329	328	333	337	335	331	335	335	335	334	405	398	454	400	334	335
PCCGP	BLK1	588	610	600	602	599	602	571	399	382	393	388	400	402	399	392	400	401	504	602	602	598	604	595	603	602
SGRI	BLK1	163	169	157	162	161	164	163	164	165	160	167	163	167	166	163	164	162	168	159	164	161	160	163	163	165
SPGP	BLK1	711	708	709	708	711	710	709	711	599	495	450	450	447	599	448	447	571	647	661	693	704	704	702	701	700
SPGP	BLK2	708	706	708	708	709	709	709	707	599	496	450	451	449	448	598	447	447	598	709	703	703	704	702	699	700
TJGS	BLK1	403	405	400	401	398	402	398	400	394	401	402	402	403	398	399	401	396	401	404	401	401	405	402	399	399
TJGS	BLK2	449	452	447	450	448	448	451	451	451	451	451	450	450	451	451	450	448	448	449	451	450	449	450	450	450
Total CCGT-Gas		6345	5914	5796	5675	5445	5246	4999	4840	4574	4396	4305	4334	4673	4871	4608	4332	4317	4807	5238	5578	5829	5830	5738	5672	5554
Total OCGT-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
BSIA	HYDR	67	33	33	12	12	12	12	12	12	12	12	12	12	12	11	12	12	12	12	12	12	12	12	12	12
CEND	HYDR	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
HTRG	PUAH	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	TMBT	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
KNRG	HYDR	47	47	48	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
KNRY	HYDR	353	368	212	211	204	209	175	177	176	183	176	385	387	387	384	260	349	386	386	386	386	386	386	361	241
MHDY	MHDY	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
PGAU	HYDR	-1	-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	HYDR	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HYDR	77	77	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HYDR	104	90	81	65	40	45	40	40	40	40	40	41	54	58	41	42	40	56	40	40	40	49	40	40	48
UJLI	HYDR	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Total Hydro		741	708	544	375	343	353	314	316	314	322	315	524	539	542	540	400	488	540	525	525	524	558	569	549	532
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

Daily MW Generation on Thursday

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																									
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	28	169	375	576	699	902	1041	1138	1258	1262	1226	1211	1257	1256	1139	1180	1048	916	806	655	553	315	167	64	1	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	20	20	18	19	21	22	22	22	22	20	21	22	21	20	18	16	16	14	14	13	14	16	10	12	11	11	11	10	12	11	11	12	12	13	14	13	13	13	13	14	16	17	19	25	29				
PCUF	CUFK	14	13	12	10	11	12	12	11	12	11	13	11	13	12	12	13	13	13	12	12	11	10	8	6	5	6	5	4	4	4	4	4	8	5	6	7	7	6	6	5	7	8	11	7	5	11			
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
Total NEDA Co-Gen		40	39	36	35	38	40	40	39	40	37	40	39	40	38	36	35	35	33	32	31	31	32	24	24	22	23	22	20	22	21	23	22	21	21	26	23	25	29	28	28	28	26	29	33	37	35	39	50	
Total NEDA Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 Generation		16924	16459	16171	15875	15621	15431	15139	14993	14714	14535	14425	14538	14709	14813	14742	14510	14851	15697	16313	16784	17225	17442	17539	17636	17426	17350	17390	17914	18313	18713	18784	18964	19124	19141	19034	18431	18043	17749	17986	18665	19164	19192	19090	18891	18539	18440	18217	17916	
ESTL	ESTL	-20	-12	-16	-19	-22	-19	-10	-20	-22	-22	-22	-11	-10	-10	-21	-16	0	-10	-11	-17	-11	-12	-11	-15	-4	-14	-19	-12	-21	-16	-10	-8	-14	-15	-19	-22	-14	-10	-10	-10	-5	-12	-10	-9	-14	-14	-12	-11	
KHTC	BLK1	-44	-45	-45	-44	-43	-43	-42	-42	-40	-40	-39	-36	-39	-42	-40	-41	-44	-50	-54	-56	-58	-63	-70	-70	-66	-67	-69	-69	-70	-74	-78	-60	-50	-53	-56	-60	-60	-61	-58	-58	-55	-55	-51	-50	-51	-46	-76	-93	
Total Franchise Area		-64	-57	-61	-63	-65	-62	-52	-62	-62	-62	-61	-47	-49	-52	-61	-57	-44	-60	-65	-73	-69	-75	-81	-85	-70	-81	-88	-81	-91	-90	-88	-68	-64	-68	-75	-82	-74	-71	-68	-68	-60	-67	-61	-59	-65	-60	-88	-104	
Singapore		-38	-50	33	-40	14	38	36	58	73	54	36	-8	42	-4	16	-78	-80	-49	-88	-18	22	-44	-51	-37	1	34	6	48	18	30	37	74	128	66	84	57	83	2	95	6	46	67	43	12	63	-20	6	22	
Thailand		31	31	31	28	30	29	30	31	31	29	29	28	29	29	31	31	28	30	29	29	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	30	30	31	31	31	31	28	28	29	29	30	31	31	
Interconnection		-7	-19	64	-12	44	67	66	89	104	83	65	20	71	25	45	-47	-49	-20	-57	10	50	-13	-20	-7	32	64	37	79	48	61	67	105	158	96	115	87	113	33	126	37	77	95	71	41	92	10	37	53	
Total Demand		16870	16424	16049	15827	15515	15305	15024	14845	14551	14393	14302	14474	14592	14739	14639	14503	14859	15660	16308	16704	17109	17383	17481	17561	17327	17208	17268	17757	18177	18565	18632	18794	18905	18980	18847	18265	17859	17648	17795	18563	19030	19033	18961	18794	18385	18373	18095	17762	
SRev ST-Coal		189	164	167	172	167	170	176	164	176	182	197	321	330	345	309	234	220	220	220	211	223	181	192	119	156	135	189	137	155	151	152	154	142	150	150	173	155	164	154	179	193	159	191	166	180	168	155	155	
SRev CCGT-Gas		939	1145	1191	1312	1542	1741	1988	2147	2413	2591	2682	2653	2314	2116	2379	2655	2670	2180	1749	1389	1138	1142	1234	1300	1418	1322	1190	900	588	324	341	305	221	222	208	616	858	871	737	436	401	245	277	296	392	290	381	558	
SRev Co-Gen		-3	-4	1	1	0	4	0	1	0	1	0	0	-1	0	-2	-2	0	1	2	-2	0	2	-3	0	0	1	2	0	1	0	0	1	-1	0	0	-2	0	0	0	0	1	-1	0	1	-2	0	-1	-2	
Syncon		464	552	653	653	653	653	653	653	653	739	739	739	739	890	890	890	890	890	890	890	890	890	739	890	890	890	991	840	991	802	802	615	428	428	428	365	703	890	764	88	88	88	88	88	88	239	613	634	890
Hydro		300	245	308	177	209	199	238	236	238	230	237	128	113	110	262	251	163	111	126	126	127	93	233	102	119	247	223	361	261	220	301	262	402	353	348	478	287	115	164	461	428	536	627	824	629	259	297	176	
S.Reserve Total		1889	2102	2320	2315	2571	2767	3055	3201	3480	3657	3769	3841	3495	3310	3687	4028	3943	3402	2987	2614	2378	2308	2395	2411	2583	2595	2595	2238	1996	1497	1596	1337	1192	1153	1134	1630	2003	2040	1819	1164	1111	1027	1183	1375	1438	1330	1466	1777	