

Availability at Daily Maximum Demand Hour

ST-Coal	9,577 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,640 MW
Hydro	1,997 MW
Distillate	0 MW
Others	0 MW
Gas	8,994 MW
Co-Gen	0 MW
Total System	22,798 MW
Total System w/o solar	21,158 MW

Maximum Demand Record

Date: 7/25/2024	20,066 MW
Date: 7/25/2024	428,610 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	18,881 MW
Spinning Reserve	1,431 MW
Maximum Demand	17,482 MW
Net Energy	373,862 MWH
Load Factor	89 %
Operating Reserve	3,676 MW

Gas Usage

Station	(mmscfd)
TJGS	51
CBPS	38
EMPP	251
NPRI	121
PCGP	81
PGLA	91
SKSP	3
SPGP	129
Total Gas	765
Total Gas Required	765

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	225,031	60.19 %
LSS	10,164	2.72 %
Hydro	12,855	3.44 %
Gas	123,192	32.95 %
Co-Gen	1,704	0.46 %
Total Generation	372,946	99.75 %
PLTG	-225	-0.06 %
EGAT	5	0.00 %
HVDC	-696	-0.19 %
Interconnection	-916	-0.25 %
Net Energy	373,862	100.00 %

Fuel Cost

Total Cost:	87,624,466.64 RM
Cost per Unit	23.49 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,437
Hydro	233
Syncon	877
Thermal	236
Total	2,783

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	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	16773	15810	15254	14749	14381	14177	14018	13947	13444	14192	14893	15392	15393	15529	15888	16301	16420	16291	16256	16790	17482	17271	16731	16311

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 16, 2024 9:17:11 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	636	636	634	637	635	636	635	634	635	636	636	636	637	637	635	636	635	635	636	636	635	637	635	637	635	636	634	635	
JMAH	U002	697	696	693	696	697	697	696	698	697	695	697	698	696	697	699	697	696	695	695	695	696	697	696	699	695	696	696	697	696
JMHE	U001	931	931	931	933	933	935	933	936	879	881	879	879	850	853	849	852	853	851	851	896	897	896	931	928	932	929	932	931	930
JMHE	U002	977	976	977	975	974	956	939	940	879	880	884	879	853	853	847	852	851	852	900	901	900	940	949	947	952	950	951	949	949
JMIG	U001	660	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663
JMIG	U002	627	601	601	601	601	601	601	601	601	601	601	601	600	600	600	600	600	600	609	628	626	621	640	632	614	621	618	632	629
JMIG	U003	660	657	657	657	657	657	657	657	657	657	657	657	600	600	600	600	680	680	680	664	660	663	616	592	596	598	602	593	595
JMIG	U005	972	973	973	973	973	973	973	973	973	973	973	973	880	850	850	850	850	850	902	899	901	951	950	952	949	951	949	950	952
PKLG	U003	275	274	275	275	275	275	274	276	278	278	275	276	275	276	276	275	274	275	275	275	275	275	275	275	275	275	275	275	275
PKLG	U005	463	463	463	465	468	461	466	463	468	468	457	465	468	468	464	466	471	470	468	466	466	471	470	469	466	469	472	465	465
PKLG	U006	469	469	465	468	469	468	465	468	468	469	468	465	466	467	467	467	465	465	465	467	466	466	465	467	466	470	467	466	468
TBIN	U001	688	687	687	687	687	687	688	688	685	688	688	687	687	686	688	689	688	688	687	686	687	688	688	687	688	688	688	688	688
TBIN	U002	689	694	690	691	689	685	691	691	687	694	687	693	693	691	691	698	689	688	693	688	688	687	688	688	687	688	688	688	688
TBIN	U003	689	688	687	690	690	688	689	688	688	687	689	688	689	688	688	687	690	690	690	688	688	687	688	688	689	689	687	689	688
TBIN	U004	983	809	564	592	394	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-Coal		10416	10217	9960	9963	9805	9382	9373	9374	9254	9271	9255	9108	9027	9031	9012	9036	9105	9102	9114	9248	9248	9265	9324	9335	9333	9275	9330	9331	
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
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
CBPS	BLK2	198	201	194	194	202	205	202	203	201	202	201	201	200	197	201	194	199	201	202	201	197	201	195	201	201	202	203	201	
EMPP	BLK1	407	457	403	403	422	653	499	411	410	409	410	411	410	413	409	410	412	409	410	404	415	570	590	484	406	415	403	410	
EMPP	BLK2	550	376	499	440	375	374	375	373	375	373	374	375	375	375	375	375	375	375	375	375	375	375	500	499	501	448	375	374	
EMPP	BLK3	496	501	492	493	499	505	500	503	500	498	500	500	502	500	499	501	498	500	493	504	500	499	500	498	501	492	501	497	
NPRI	BLK1	314	322	311	311	323	327	322	325	321	320	320	320	321	320	322	318	318	313	319	311	320	320	321	322	315	320	313	322	
NPRI	BLK2	330	333	322	323	345	346	334	336	333	332	334	333	331	332	337	332	331	325	333	323	331	331	334	334	328	335	326	333	
PCGP	BLK1	588	605	582	582	423	608	603	491	483	400	401	400	399	497	403	397	393	386	396	380	596	601	603	602	588	602	382	600	
PGLA	BLK1	479	482	477	476	482	481	481	481	481	481	481	481	480	479	481	476	480	477	479	476	481	481	480	482	478	480	474	480	
PIPP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIPP	BLK2	0	117	118	117	119	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKSP	BLK1	216	220	172	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPGP	BLK1	714	716	716	716	715	716	714	715	715	715	497	498	363	362	178	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPGP	BLK2	705	703	705	706	704	704	700	701	701	702	701	700	703	701	700	499	355	498	655	704	700	695	695	693	696	699	701	699	
TJGS	BLK1	402	231	209	207	209	204	207	206	205	203	207	206	207	207	204	206	205	206	208	207	208	208	206	207	205	206	207	204	
Total CCGT-Gas		5399	5264	5200	5096	4818	5126	4937	4747	4725	4635	4427	4423	4290	4386	4110	3713	3570	3684	3877	3867	4128	4407	4431	4325	4384	4522	4431		
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	0	0	0	0
BSIA	HYDR	33	12	11	11	12	12	12	12	12	12	12	24	24	24	23	23	23	24	23	23	24	23	23	23	23	23	23	23	
CEND	HYDR	35	34	34	34	33	34	34	33	35	34	34	34	34	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	
HTRG	TMBT	7	7	7	7	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	HYDR	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
KNYR	HYDR	290	292	287	116	161	161	122	148	119	121	128	122	217	218	246	110	117	121	68	55	58	63	65	59	59	57	55	59	
MHDY	MHDY	47	47	47	47	47	47	47	47	47	47	46	47	46	47	49	49	49	50	50	50	50	50	50	50	50	50	50	50	50
PGAU	HYDR	21	21	21	21	43	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
SIHY	HYDR	150	0	0	0	0	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	HYDR	70	0	0	0	0	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	HYDR	109	146	73	73	118	81	40	71	39	39	45	41	76	77	106	76	40	37	61	37	40	44	46	41	40	39	37	39	
UJLI	HYDR	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Total Hydro		836	633	554	383	495	437	357	413	354	355	367	358	600	595	721	394	365	367	360	303	286	296	301	289	288	285	280	286	
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

Daily MW Generation on Saturday

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	3	84	290	532	703	975	1128	1227	1264	1362	1375	1280	1356	1242	1229	1313	1038	1075	912	866	521	369	144	56	2	0	0	0	0	0	0	0	0	0	0	0		
ESTL	ESTL	13	10	14	11	4	8	16	13	16	5	15	13	13	3	4	2	12	11	13	15	9	3	15	19	3	20	15	14	11	18	13	0	0	11	9	0	12	4	3	9	0	0	12	17	8	17	6	19			
KHTC	BLK1	7	14	7	5	6	4	6	6	8	7	7	9	10	10	13	8	10	8	7	4	2	2	5	65	60	61	62	58	60	51	52	55	50	51	54	53	58	62	61	15	16	13	12	11	34	43	46	47			
PCUF	CUFG	17	17	17	17	16	17	17	17	16	17	17	17	17	16	17	14	16	15	17	15	15	16	17	16	14	15	17	16	14	14	15	16	14	15	15	15	15	17	18	17	17	17	17	16	15	16	15	15			
PCUF	CUFK	20	20	21	22	21	22	21	21	22	22	20	21	22	22	21	21	19	20	18	17	15	13	13	14	13	14	14	14	13	14	15	13	13	14	14	13	16	15	16	16	18	18	17	18	18	20	19	19			
Total NEDA Co-Gen		57	61	59	55	47	51	60	57	62	51	59	60	61	52	53	47	58	55	55	52	44	37	49	111	92	111	107	100	98	98	96	82	78	92	92	81	101	98	98	57	51	48	58	62	75	96	86	100			
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	0	
Total Generation		16708	16175	15773	15497	15165	14996	14727	14591	14395	14312	14108	13949	13978	14064	13899	13274	13388	13740	14109	14445	14834	15232	15369	15422	15472	15473	15504	15653	15840	16109	16238	16311	16336	16524	16351	16238	16225	16318	16738	17454	17447	17329	17219	17077	16720	16524	16254	16031			
PFTZ	PFTZ	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 Franchise Area		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Singapore		-35	-69	-6	-29	-58	-2	8	1	45	22	-38	11	-8	16	-17	-50	-24	-69	-52	-4	-27	-11	9	50	110	62	6	-36	-16	-50	-31	1	-52	-58	92	37	1	4	-20	17	-4	-21	-20	-51	21	-50	-25	-30			
Thailand		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
Interconnection		-63	-98	-35	-58	-87	-31	-20	-28	16	-7	-67	-18	-37	-12	-45	-79	-53	-98	-80	-33	-56	-40	-20	21	82	34	-22	-65	-45	-79	-60	-28	-81	-87	63	9	-28	-25	-49	-11	-32	-50	-49	-80	-8	-78	-54	-59			
Total Demand		16773	16275	15810	15557	15254	15029	14749	14621	14381	14321	14177	13969	14018	14079	13947	13356	13444	13841	14192	14481	14893	15275	15392	15404	15393	15442	15529	15721	15888	16191	16301	16342	16420	16614	16291	16232	16256	16346	16790	17468	17482	17382	17271	17160	16731	16605	16311	16093			
SRev ST-Coal		221	245	352	219	377	220	229	228	287	271	291	349	373	369	376	364	384	387	374	349	389	372	253	212	214	272	217	216	228	219	215	161	146	219	251	171	149	182	184	179	179	182	186	178	176	136	153	139			
SRev CCGT-Gas		2086	2451	2159	2203	2131	1823	1842	2032	2054	2144	2352	2356	2489	2393	2669	2346	2489	2375	2182	2192	1931	1652	1628	1734	1975	1937	2228	1965	1766	1574	1367	1394	1193	1116	1065	1160	1117	978	800	302	251	266	351	506	667	866	1118	1277			
SRev Co-Gen		2	1	2	2	2	3	2	3	1	2	2	2	-2	0	0	1	2	0	0	0	0	0	0	-2	1	0	0	0	0	0	-1	0	0	-8	-1	0	0	0	0	1	0	-1	0	1	0	0	-1				
Syncon		525	525	613	714	563	802	802	802	802	802	802	426	426	426	714	802	802	752	903	1054	1054	1054	1054	1054	1054	1054	1054	1054	680	529	680	529	478	852	852	852	676	489	489	676	764	764	764	764	613	613					
Hydro		386	291	282	352	391	210	290	234	293	292	280	289	423	428	302	341	282	280	337	243	109	99	94	106	107	110	115	109	94	110	289	417	290	395	293	82	83	85	498	409	511	421	364	363	384	312	454	411			
S.Reserve Total		3220	3513	3408	3490	3464	3058	3165	3299	3437	3511	3727	3798	3709	3616	3773	3766	3959	3844	3645	3687	3483	3177	3029	3104	3351	3373	3614	3344	3142	2957	2551	2500	2309	2259	2079	2264	2201	2097	2158	1379	1431	1545	1664	1811	1992	2078	2338	2439			