

Availability at Daily Maximum Demand Hour

ST-Coal	9,382 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,440 MW
Hydro	2,232 MW
Distillate	0 MW
Others	0 MW
Gas	9,492 MW
Co-Gen	0 MW
Total System	23,136 MW

Maximum Demand Record

Date: 4/29/2024	20,028 MW
Date: 4/3/2024	423,300 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	20,475 MW
Spinning Reserve	940 MW
Maximum Demand	19,544 MW
Net Energy	407,285 MWH
Load Factor	87 %

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	2
TJGS	178
CBPS	48
EMPP	283
KLPP	66
NPRI	72
PCGP	84
SGRI	97
SKSP	36
SPGP	205
PKLG	21
Total Gas	1,123

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	217,618	53.43 %
ST-Gas	2,083	0.51 %
LSS	9,015	2.21 %
Hydro	14,604	3.59 %
Gas	164,883	40.48 %
Co-Gen	-1,016	-0.25 %
Total Generation	407,187	99.98 %
PLTG	-792	-0.19 %
HVDC	694	0.17 %
Interconnection	-98	-0.02 %
Net Energy	407,285	100.00 %

Fuel Cost

Total Cost:	100,064,592.75 RM
Cost per Unit	24.47 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	460
Hydro	321
Syncon	590
Thermal	216
Total	1,587

Total Gas Required 1,123

Time Weather Temperature

Afternoon	Hot	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	16213	15419	14840	14320	13878	13594	13864	13892	14597	16318	17346	17907	17998	17888	18763	19248	19384	19056	18006	17936	19257	19216	18766	18482

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 17, 2024 2:27:10 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																																		
Total Hydro		523	491	497	368	375	301	301	303	319	327	305	313	328	317	273	269	321	300	354	296	298	294	291	294	338	328	297	391	509	920	925	793	800	1136	911	667	651	562	651	1216	1351	1382	1330	1204	1193	1176	1105	933										
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	0	0	0	0	0	0					
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	199	346	529	728	871	1004	1109	1149	1092	1129	1104	1179	1164	1189	1099	984	914	752	611	403	264	126	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	29	27	28	27	26	26	27	28	25	27	27	27	27	27	28	28	28	25	27	26	27	28	28	26	27	28	28	27	28	27	27	28	27	28	26	26	26	26	27	26	26	25	26	26	26	26	26	26	27	27								
PCUF	CUFK	4	2	5	2	1	1	2	3	1	5	4	4	3	3	3	3	4	2	1	3	3	3	2	5	2	3	4	2	3	2	3	4	3	2	1	3	5	4	4	4	4	3	4	4	3	3	3	3	3	3	4	4						
Total NEDA Co-Gen		33	29	33	29	27	27	29	31	26	32	31	31	30	30	30	31	32	30	26	30	29	30	30	33	28	30	32	30	30	30	30	31	30	30	28	31	31	30	30	31	29	30	29	29	29	29	29	29	29	31	31							
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	0	0	0	0	0			
Total Generation		16166	15672	15360	15122	14875	14627	14412	14097	13961	13748	13648	13729	13886	14165	13941	14047	14589	15771	16353	16968	17382	17747	17975	18150	18109	17944	18066	18597	18911	19392	19417	19470	19412	19632	19224	18603	18144	17820	17967	19029	19293	19353	19294	19094	18863	18711	18565	18189										
ESTL	ESTL	-14	-19	-32	-35	-36	-36	-32	-28	-20	-18	-14	-10	-6	-12	-11	-4	-2	-13	-18	-22	-19	-14	-15	-17	-10	-7	-13	-12	-12	-16	-12	-16	-10	-20	-12	-8	-18	-16	-10	-15	-12	-11	-15	-13	0	0	0	0	0									
KHTC	BLK1	-42	-41	-43	-42	-41	-39	-40	-41	-39	-39	-35	-36	-37	-36	-38	-37	-44	-47	-47	-50	-56	-62	-63	-62	-68	-71	-72	-76	-80	-83	-78	-80	-80	-77	-76	-73	-73	-74	-74	-69	-67	-69	-64	-64	-65	-63	-59											
Total Franchise Area		-56	-60	-75	-77	-77	-75	-72	-69	-59	-57	-49	-46	-43	-48	-49	-41	-46	-60	-65	-72	-69	-70	-77	-80	-72	-75	-84	-84	-88	-96	-95	-94	-90	-100	-89	-84	-91	-89	-84	-89	-81	-78	-84	-77	-64	-65	-63	-59										
Singapore		-132	-108	-162	-2	-69	17	-6	4	26	-52	-23	-99	-48	-12	-26	-23	-83	-42	-58	-79	-59	-19	-35	-59	13	-24	68	40	31	101	48	-9	-91	-38	50	-44	20	-57	-79	-115	-71	-88	-35	-41	4	-66	-6	-48										
Thailand		32	29	32	30	29	29	29	31	1	0	31	29	30	29	29	29	31	31	31	29	29	29	29	29	29	31	29	31	31	29	29	31	32	29	31	29	29	30	29	29	29	31	32	32	31	31	30	31										
Interconnection		-100	-79	-131	27	-39	47	23	36	27	-52	8	-70	-18	17	3	6	-51	-11	-27	-50	-30	10	-6	-29	42	6	97	71	63	130	77	21	-59	-9	82	-14	50	-27	-50	-86	-42	-56	-3	-10	36	-35	23	-16										
Total Demand		16213	15694	15419	15021	14840	14508	14320	13995	13878	13746	13594	13756	13864	14103	13892	14003	14597	15725	16318	16949	17346	17670	17907	18102	17998	17866	17888	18445	18763	19169	19248	19358	19384	19544	19056	18536	18006	17761	17936	19029	19257	19334	19216	19030	18766	18684	18482	18149										
SRev ST-Coal		190	197	197	288	264	292	353	423	461	584	639	648	581	496	545	591	435	215	192	183	185	203	182	124	188	167	67	178	195	177	175	193	198	172	192	176	180	166	184	188	182	199	175	173	138	178	60	123										
SRev CCGT-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	3	2	2	0	0	0	0	0	0									
SRev CCGT-Gas		641	1092	1414	1428	1704	1850	2006	2173	2197	2185	2186	2108	2077	2022	2532	2538	2497	1659	1433	993	757	531	489	363	361	526	550	481	329	401	561	320	309	290	310	498	748	857	735	219	260	216	246	242	322	362	507	522										
SRev 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	0	0						
SRev Co-Gen		0	0	2	1	0	-1	0	0	0	-2	1	0	-1	0	0	2	1	-1	0	-1	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	2	-1	0	-2	-1	0	0	2	-1									
Syncon		804	892	892	892	892	892	892	892	892	741	741	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	705	604	428	428	516	516	302	428	615	615	615	615	302	302	302	302	428	428	428	277	277										
Hydro		465	334	328	370	363	333	333	331	315	458	480	321	306	317	361	365	313	334	300	338	336	340	343	340	296	306	337	430	413	228	223	267	260	138	237	294	310	399	310	233	477	446	498	310	321	338	410	357										
S.Reserve Total		2100	2515	2833	2979	3223	3366	3584	3819	3865	3968	4044	3970	3856	3726	4330	4386	4139	3101	2816	2437	2200	1999	1940	1755	1776	1931	1886	1833	1580	1273	1427	1336	1322	940	1205	1621	1891	2076	1883	984	1265	1207	1263	1197	1254	1332	1287	1309										