

### Availability at Daily Maximum Demand Hour

ST-Coal	10,932 MW
ST-Gas	294 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,414 MW
Distillate	0 MW
Others	0 MW
Gas	8,237 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,467 MW</b>
<b>Total System w/o solar</b>	<b>21,877 MW</b>

### 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	20,331 MW
Spinning Reserve	1,238 MW
Maximum Demand	19,084 MW
Net Energy	401,044 MWH
Load Factor	88 %
Operating Reserve	2,793 MW

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	170
EMPP	263
NPRI	129
PCGP	76
SGRI	43
SPGP	148
<b>Total Gas</b>	<b>858</b>
<b>Total Gas Required</b>	<b>858</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	247,987	61.84 %
LSS	10,385	2.59 %
Hydro	11,203	2.79 %
Gas	131,668	32.83 %
Co-Gen	-97	-0.02 %
<b>Total Generation</b>	<b>401,146</b>	<b>100.03 %</b>
PLTG	154	0.04 %
EGAT	5	0.00 %
HVDC	-57	-0.01 %
<b>Interconnection</b>	<b>102</b>	<b>0.03 %</b>
<b>Net Energy</b>	<b>401,044</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	95,863,996.62 RM
Cost per Unit	23.81 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,315
Hydro	280
Syncon	923
Thermal	230
<b>Total</b>	<b>2,748</b>

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	16290	15465	14914	14546	14155	13925	14301	14395	14624	16073	16715	17219	17085	16861	17711	18219	18723	18533	17780	17892	19084	18981	18579	18117

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 10:54:23 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Wednesday

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		196	204	196	201	199	201	197	211	218	196	203	244	266	177	178	223	176	176	229	203	212	226	321	311	252	207	257	274	295	275	265	382	745	646	433	461	303	536	1449	1700	1672	1588	1417	1190	933	757	458					
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		
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	34	180	371	538	791	1022	1163	1269	1283	1295	1317	1370	1344	1364	1372	1303	1186	1051	826	685	513	348	143	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	22	21	8	12	15	8	19	5	5	4	2	14	5	17	20	17	16	10	2	12	13	6	18	4	11	2	11	12	9	13	10	8	0	14	14	12	0	3	7	8	10	1	0	0	0	16	16	3				
PCUF	CUFG	10	9	10	11	11	15	15	13	11	13	13	12	11	11	12	16	12	12	11	11	12	15	14	10	14	16	16	16	19	18	17	18	18	18	18	18	18	18	15	15	16	18	18	18	16	16	17	18				
PCUF	CUFK	30	28	30	30	29	29	31	31	29	29	28	29	28	29	29	29	28	30	29	29	28	25	25	27	26	25	26	24	25	25	26	26	26	24	25	24	25	25	27	26	27	28	28	27	29	28	30					
PFTZ	PFTZ	7	6	7	6	6	6	6	6	6	6	6	6	6	7	7	6	6	6	6	6	6	6	6	6	6	5	5	4	4	4	4	4	5	5	4	4	5	5	5	5	5	5	5	4	4	4	1					
Total NEDA Co-Gen		69	64	55	59	61	58	71	55	51	52	50	60	51	62	67	64	67	56	51	59	59	52	64	49	54	48	58	59	54	61	57	55	48	63	61	59	46	51	52	55	57	51	51	51	47	65	65	52				
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		16347	15944	15619	15327	14981	14882	14650	14446	14272	14125	14034	14126	14354	14685	14469	14242	14554	15595	16036	16329	16746	16951	17332	17497	17163	16983	16863	17509	17747	18260	18307	18554	18925	18848	18596	18185	17801	17566	17879	18886	19149	19080	19024	18864	18626	18366	18187	17811				
KHTC	BLK1	-51	-52	-52	-52	-53	-85	-83	-84	-82	-85	-81	-73	-70	-62	-41	-38	-41	-44	-48	-48	-55	-58	-58	-63	-62	-64	-65	-70	-68	-68	-67	-68	-66	-67	-68	-66	-66	-66	-59	-60	-59	-59	-57	-55	-51	-53	-49	-48	-45			
Total Franchise Area		-51	-52	-52	-52	-53	-85	-83	-84	-82	-85	-81	-73	-70	-62	-41	-38	-41	-44	-48	-48	-55	-58	-58	-63	-62	-64	-65	-70	-68	-68	-67	-68	-66	-67	-68	-66	-66	-66	-59	-60	-59	-59	-57	-55	-51	-53	-49	-48	-45			
Singapore		9	54	105	23	17	86	24	12	37	12	31	49	-14	21	36	-19	-108	-31	-82	-67	-21	-92	58	103	19	-54	-60	40	-29	74	24	68	139	-23	-3	47	-42	-56	-42	-28	37	-4	-9	-61	-3	6	25	-1				
Thailand		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Interconnection		9	54	105	23	17	86	24	12	38	12	31	50	-14	21	36	-19	-108	-30	-82	-67	-21	-92	58	104	19	-54	-60	40	-29	74	24	69	139	-23	-2	47	-42	-55	-70	-57	9	-32	-9	-61	-3	6	25	-1				
Total Demand		16290	15841	15465	15255	14914	14714	14546	14353	14155	14031	13925	14006	14301	14605	14395	14226	14624	15584	16073	16351	16715	16988	17219	17333	17085	16976	16861	17402	17711	18121	18219	18420	18723	18807	18533	18075	17780	17565	17892	18887	19084	19058	18981	18877	18579	18314	18117	17770				
SRev ST-Coal		213	202	214	437	565	591	677	765	853	844	857	850	856	853	854	847	858	645	360	359	275	258	216	204	234	212	339	281	237	219	230	219	240	193	208	221	186	185	185	193	179	187	194	181	182	184	185	228				
SRev CCGT-Gas		1542	2009	2355	2308	2309	2363	2306	2344	2319	2320	2376	2317	2094	1948	2080	2410	2316	2311	2467	2452	2360	2364	2218	2159	2590	2749	2671	2095	2081	1726	1575	680	277	330	324	335	484	535	380	270	274	301	266	268	274	313	265	286				
SRev Co-Gen		1	0	0	1	1	0	0	0	0	-1	0	0	-3	0	-2	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	-1	0	-1	0	0	0	0	1	0	0	1				
Syncon		1314	1314	1314	1314	1314	1163	1314	1314	1314	1314	1314	1163	1314	1314	1314	1188	1188	1188	1037	1180	1180	1180	1092	1180	1180	1180	1029	1180	1180	1180	1306	1119	680	831	932	1119	1306	1119	554	302	151	428	428	741	1016	1016	1205					
Hydro		151	143	151	146	148	279	146	150	136	129	151	144	254	81	170	169	125	172	172	294	161	152	114	131	113	168	213	314	146	125	145	154	224	300	273	345	175	146	380	482	483	662	469	640	554	386	475	195				
S.Reserve Total		3221	3668	4034	4206	4337	4396	4443	4573	4622	4606	4698	4625	4364	4196	4416	4740	4488	4316	4188	4142	3976	3954	3729	3587	4117	4309	4403	3719	3644	3250	3130	2359	1860	1503	1637	1833	1964	2171	2064	1498	1238	1301	1357	1517	1752	1899	1941	1915				