

#### Availability at Daily Maximum Demand Hour

ST-Coal	9,985 MW
ST-Gas	551 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,487 MW
Distillate	0 MW
Others	0 MW
Gas	7,707 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,320 MW</b>
<b>Total System w/o solar</b>	<b>20,730 MW</b>

#### Maximum Demand Record

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

#### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	30	SGRI	2
TJGS	197	<b>Total</b>	<b>2</b>
EMPP	301		
KLPP	64		
NPRI	116		
PCGP	89		
SGRI	77		
PKLG	45		
<b>Total Gas</b>	<b>918</b>		
<b>Total Gas Required</b>	<b>919</b>		

#### Alternate Fuel Usage

#### Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,562 MW
Spinning Reserve	1,448 MW
Maximum Demand	18,120 MW
Net Energy	390,418 MWH
Load Factor	90 %
Operating Reserve	3,049 MW

#### Generation Mix

Type	MWh	Percentage
ST-Coal	235,553	60.33 %
ST-Gas	4,451	1.14 %
LSS	7,583	1.94 %
Hydro	13,819	3.54 %
Distillate	111	0.03 %
Gas	130,642	33.46 %
Co-Gen	-2,336	-0.60 %
<b>Total Generation</b>	<b>389,823</b>	<b>99.85 %</b>
PLTG	97	0.02 %
EGAT	5	0.00 %
HVDC	-697	-0.18 %
<b>Interconnection</b>	<b>-595</b>	<b>-0.15 %</b>
<b>Net Energy</b>	<b>390,418</b>	<b>100.00 %</b>

#### Fuel Cost

Total Cost:	94,831,368.49 RM
Cost per Unit	24.15 cents/kWH

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	556
Hydro	280
Syncon	813
Thermal	183
<b>Total</b>	<b>1,832</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	16418	15703	15039	14544	14292	14011	14305	14439	14588	15845	16561	16884	17149	17159	17245	17856	18069	17826	16969	16945	17649	17411	16722	16388

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024  
9:45:23 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Friday

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
SGRI	GT13	116	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT21	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Distillate		189	35	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	27	160	355	657	858	979	1112	1041	1093	1075	1022	1009	
PCUF	CUFG	9	8	7	9	7	7	8	8	9	7	7	10	8	9	8	9	9	8	6	8	6	6	5	
PCUF	CUFK	12	15	14	13	13	14	13	13	14	13	14	15	14	14	15	14	12	11	11	9	10	9	7	
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Total NEDA Co-Gen		25	27	25	26	24	25	25	25	27	24	24	28	27	27	26	28	27	24	21	23	19	20	19	
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	
Total Generation		16575	16161	15840	15436	15174	14911	14661	14559	14402	14165	14119	14145	14424	14599	14520	14327	14656	15465	15919	16278	16686	16859	16933	
ESTL	ESTL	-20	-24	-22	-24	-24	-18	-16	-22	-24	-24	-27	-28	-28	-15	-22	-21	-19	-24	-32	-36	-36	-39	-41	
KHTC	BLK1	-111	-111	-108	-104	-109	-107	-105	-105	-104	-105	-104	-105	-106	-105	-109	-108	-109	-114	-116	-118	-123	-126	-123	
Total Franchise Area		-131	-135	-130	-128	-133	-125	-121	-127	-128	-129	-131	-133	-134	-120	-131	-129	-128	-138	-148	-154	-154	-162	-167	
Singapore		59	10	40	10	34	34	28	-14	15	12	11	-22	17	-11	-19	4	-27	11	-41	-63	3	-55	-86	
Thailand		-29	-29	-30	-30	-29	-29	-29	-30	-28	-30	-28	-29	-28	-30	-30	-30	-28	-29	-30	-29	-28	-28	-29	
Interconnection		29	-19	10	-20	5	6	-1	-43	-15	-16	-20	-51	-12	-40	-47	-24	-57	-19	-71	-91	-26	-86	-115	
Total Demand		16418	16048	15703	15331	15039	14783	14544	14478	14292	14055	14011	14066	14305	14522	14439	14225	14588	15349	15845	16218	16561	16786	16884	
SRev ST-Coal		174	170	149	146	174	339	299	333	316	430	427	424	439	420	410	423	455	161	149	143	140	144	161	
SRev CCGT-Gas		876	832	1001	1086	1271	1389	1664	1726	1944	2040	2113	2125	1834	1684	1762	1957	1627	1157	1015	877	695	695	690	
SRev ST-Gas		37	92	137	34	34	34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
SRev Distillate		91	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		1104	1104	1104	1205	1205	1205	1226	1054	1206	1054	1205	1205	1205	1205	1205	1205	1104	953	1104	730	730	917	1104	
Hydro		186	119	139	222	168	169	183	168	298	168	298	165	162	154	166	161	161	146	145	143	138	246	59	
S.Reserve Total		2468	2422	2530	2693	2852	3136	3386	3488	3647	3879	3927	3954	3675	3499	3658	3781	3483	2704	2549	2403	2112	2073	2048	