

Availability at Daily Maximum Demand Hour

ST-Coal	9,632 MW
ST-Gas	460 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,396 MW
Distillate	0 MW
Others	0 MW
Gas	8,537 MW
Co-Gen	0 MW
Total System	22,615 MW
Total System w/o solar	21,025 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:	20:30:00 Hour
Total Set On Bus	20,263 MW
Spinning Reserve	1,246 MW
Maximum Demand	18,997 MW
Net Energy	404,533 MWH
Load Factor	89 %
Operating Reserve	2,028 MW

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	175
EMPP	292
KLPP	83
NPRI	142
PCGP	87
SGRI	144
SPGP	101
PKLG	82
Total Gas	1,156

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	216,577	53.54 %
ST-Gas	8,004	1.98 %
LSS	8,388	2.07 %
Hydro	16,203	4.01 %
Gas	158,298	39.13 %
Co-Gen	-2,464	-0.61 %
Total Generation	405,006	100.12 %
PLTG	-233	-0.06 %
HVDC	706	0.17 %
Interconnection	473	0.12 %
Net Energy	404,533	100.00 %

Fuel Cost

Total Cost:	98,719,772.29 RM
Cost per Unit	24.20 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	590
Hydro	353
Syncon	790
Thermal	216
Total	1,949

Time	Weather	Temperature
Afternoon	Sunny	32
Morning	Rainy	25

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	17030	16101	15390	14994	14502	14389	14602	14724	14974	16441	16882	17317	17068	16866	17806	18455	18633	18612	17572	17524	18845	18881	18317	18008

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024
11:01:14 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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 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
Total 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
ESTL	ESTL	8	0	2	4	0	0	14	4	0	0	1	0	0	0	1	17	16	7	5	7	0	5	9	0
PCUF	CUFG	4	3	3	3	4	7	1	3	4	3	4	3	4	3	4	4	5	4	6	5	3	4	2	3
PCUF	CUFK	11	10	9	10	9	11	9	9	9	10	10	10	9	9	7	10	9	7	8	8	7	6	7	7
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	2	4	2	4	2	4	4	4	4	4	4	4	4	4
Total NEDA Co-Gen		27	17	18	21	17	22	28	20	17	17	17	15	16	14	35	34	22	23	24	14	19	22	14	
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
Total Generation		17074	16543	16229	15914	15493	15376	15181	14919	14642	14622	14523	14413	14753	14945	14839	14648	15057	16072	16504	16743	16959	17206	17411	
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KHTC	BLK1	-116	-114	-115	-112	-114	-114	-114	-113	-113	-113	-113	-113	-114	-114	-117	-120	-120	-125	-126	-126	-129	-129	-131	-127
Total Franchise Area		-116	-114	-115	-112	-114	-114	-114	-113	-113	-113	-113	-113	-114	-114	-117	-120	-120	-125	-126	-126	-129	-129	-131	-127
Singapore		-97	-17	-13	-23	-39	-36	48	22	0	5	-6	-51	12	19	-25	-5	-62	-21	-88	-69	-74	-42	-61	
Thailand		28	29	29	29	31	30	28	28	30	30	30	29	29	29	28	28	28	30	30	28	28	29	29	29
Interconnection		-69	12	16	6	-8	-6	76	50	30	35	24	-21	41	48	4	23	-34	6	-59	-39	-46	-14	-32	
Total Demand		17030	16420	16101	15799	15390	15271	14994	14759	14502	14477	14389	14324	14602	14786	14724	14511	14974	15949	16441	16659	16882	17094	17317	17413
SRev ST-Coal		153	172	157	156	218	289	284	250	353	351	349	405	435	417	421	422	436	252	157	149	166	207	184	
SRev CCGT-Gas		699	743	880	1163	1539	1574	1990	2297	2450	2471	2569	2627	2316	2081	2152	2398	2054	1375	1189	1230	1337	1086	1030	
SRev ST-Gas		66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	
SRev Co-Gen		0	0	0	0	0	1	0	-3	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		1016	955	955	955	892	955	854	703	942	1041	1129	1041	890	1041	890	890	1016	1104	1016	1016	739	890	978	
Hydro		366	156	201	236	365	232	123	255	120	122	124	122	211	121	149	148	135	112	126	137	307	176	265	
S.Reserve Total		2387	2179	2346	2663	3080	3204	3404	3655	3931	4139	4239	4348	4005	3813	3765	4011	3794	2909	2641	2685	2701	2514	2522	