

Availability at Daily Maximum Demand Hour

ST-Coal	7,913 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,487 MW
Distillate	0 MW
Others	0 MW
Gas	10,142 MW
Co-Gen	0 MW
Total System	22,472 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,013 MW
Spinning Reserve	1,059 MW
Maximum Demand	17,930 MW
Net Energy	385,203 MWH
Load Factor	90 %

Gas Usage

Station	(mmscfd)
GLGR	35
SRDG	9
TJGS	187
CBPS	51
EMPP	309
KLPP	70
NPRI	81
PCGP	88
PLPS	75
SGRI	58
SPGP	180
Total Gas	1,142

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	181,939	47.23 %
LSS	8,526	2.21 %
Hydro	24,125	6.26 %
Gas	171,664	44.56 %
Co-Gen	288	0.07 %
Total Generation	386,542	100.35 %
PLTG	346	0.09 %
HVDC	993	0.26 %
Interconnection	1,339	0.35 %
Net Energy	385,203	100.00 %

Fuel Cost

Total Cost:	97,288,308.08 RM
Cost per Unit	25.10 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	441
Hydro	333
Syncon	516
Thermal	161
Total	1,451

Total Gas Required 1,142

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

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	16491	15714	15148	14641	14250	13872	13828	14018	14094	15393	16064	16378	16356	16074	16622	17564	17771	17725	16834	16659	17736	17636	17159	17010

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 7:29:24 PM

(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
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	22	20	27	18	28	26	32	22	21	20	20	22	28	22	26	23	24	23	20	22	31	32	31	30
PCUF	CUFG	4	3	3	2	4	3	4	4	3	4	4	4	4	3	3	2	2	3	2	2	3	2	3	3
PCUF	CUFK	22	30	29	29	31	30	30	30	28	29	28	30	30	29	29	31	30	30	29	29	28	30	28	29
Total NEDA Co-Gen		48	53	59	49	63	59	66	56	52	53	52	56	62	52	59	55	59	57	53	55	62	63	64	62
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		16608	16099	15828	15457	15263	15052	14745	14538	14371	14116	13982	13903	13930	14036	14121	13986	14183	14970	15477	15798	16147	16277	16457	16570
KHTC	BLK1	-37	-36	-36	-35	-35	-33	-29	-28	-27	-27	-28	-26	-25	-26	-23	-26	-33	-35	-38	-37	-42	-43	-44	-49
Total Franchise Area		-37	-36	-36	-35	-35	-33	-29	-28	-27	-27	-28	-26	-25	-26	-23	-26	-33	-35	-38	-37	-42	-43	-44	-49
Singapore		23	15	20	26	23	38	18	17	37	34	25	6	20	38	20	4	7	6	23	13	19	10	11	13
Thailand		60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	30	31	31	31	29	32	29	31	31
Interconnection		83	76	81	86	83	98	78	77	97	94	85	67	80	99	80	64	67	67	53	44	50	41	40	44
Total Demand		16491	15990	15714	15339	15148	14924	14641	14436	14250	13998	13872	13813	13828	13914	14018	13902	14094	14874	15393	15720	16064	16198	16378	16486
SRev ST-Coal		112	110	120	124	120	120	159	278	276	281	272	270	270	280	308	550	355	220	165	164	160	162	163	152
SRev CCGT-Gas		442	691	598	772	738	937	957	788	982	1159	1300	1384	1365	1235	1243	1480	1521	1064	803	643	541	556	506	503
SRev 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
SRev Co-Gen		2	2	1	0	3	0	1	0	0	-1	0	-2	1	0	0	0	0	0	0	-1	0	0	-1	0
Syncon		651	802	802	802	953	953	953	802	953	953	953	953	953	802	802	953	953	953	953	766	766	615	766	766
Hydro		361	179	220	228	93	101	83	77	199	122	121	123	122	123	251	254	123	122	125	98	212	215	340	212
S.Reserve Total		1568	1784	1741	1926	1907	2111	2153	2096	2259	2514	2646	2728	2711	2591	2604	3086	2952	2359	2046	1858	1678	1699	1624	1632