

Availability at Daily Maximum Demand Hour

ST-Coal	8,015 MW
ST-Gas	294 MW
ST-Oil	296 MW
LSS	1,290 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	9,206 MW
Co-Gen	0 MW
Total System	21,638 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:	16:00:00 Hour
Total Set On Bus	20,088 MW
Spinning Reserve	1,113 MW
Maximum Demand	18,935 MW
Net Energy	401,075 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	43
SRDG	2
TJGS	183
CBPS	50
EMPP	290
KLPP	70
NPRI	81
PCGP	88
PLPS	70
SGRI	89
SKSP	49
SPGP	104
Total Gas	1,119

Alternate Fuel Usage

Station	(mmscfd)
PKLG	55
Total	55

Generation Mix

Type	MWh	Percentage
ST-Coal	188,482	46.99 %
ST-Oil	5,635	1.40 %
LSS	8,485	2.12 %
Hydro	35,544	8.86 %
Gas	163,998	40.89 %
Co-Gen	-235	-0.06 %
Total Generation	401,909	100.21 %
PLTG	114	0.03 %
HVDC	720	0.18 %
Interconnection	834	0.21 %
Net Energy	401,075	100.00 %

Fuel Cost

Total Cost:	105,102,005.09 RM
Cost per Unit	26.08 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	683
Hydro	495
Syncon	159
Thermal	161
Total	1,498

Total Gas Required 1,174

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	16752	16005	15321	14747	14321	14133	14286	14429	14672	16049	16770	17174	17024	16914	17840	18481	18935	18629	17590	17419	18574	18625	18203	17785

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 6:49:33 PM

(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	33	32	21	20	27	18	25	20	29	30	34	19	28	32	34	34	32	29	31	18	27	28	30	29
PCUF	CUFG	4	5	4	4	4	4	5	2	3	3	4	4	4	2	3	2	3	6	4	4	3	2	4	4
PCUF	CUFK	3	6	4	4	4	3	4	2	5	3	5	4	5	4	3	3	1	6	4	6	5	1	5	3
PFTZ	PFTZ	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
Total NEDA Co-Gen		43	46	31	30	37	27	36	26	39	38	45	29	39	40	42	41	38	43	42	31	38	34	42	39
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		16845	16380	16060	15602	15394	15148	14808	14588	14408	14321	14217	14163	14342	14529	14477	14375	14733	15537	16092	16507	16840	17074	17232	17322
KHTC	BLK1	-40	-39	-38	-41	-41	-39	-37	-40	-36	-36	-34	-34	-32	-30	-32	-30	-33	-35	-36	-36	-38	-41	-43	-46
Total Franchise Area		-40	-39	-38	-41	-41	-39	-37	-40	-36	-36	-34	-34	-32	-30	-32	-30	-33	-35	-36	-36	-38	-41	-43	-46
Singapore		26	-1	-10	14	5	15	-3	16	24	28	23	15	-3	5	-11	-16	2	-9	-19	-15	6	-13	-11	0
Thailand		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Interconnection		56	29	20	44	35	45	27	46	54	58	53	45	27	35	19	14	32	21	11	15	36	17	19	30
Total Demand		16752	16315	16005	15520	15321	15067	14747	14505	14321	14230	14133	14087	14286	14467	14429	14334	14672	15485	16049	16460	16770	17020	17174	17250
SRev ST-Coal		180	111	120	189	173	138	99	114	120	185	260	264	265	251	254	264	185	104	112	109	137	94	109	120
SRev CCGT-Gas		741	582	644	874	1169	1480	1866	2061	2205	2306	2339	2367	2214	2105	2137	1996	1981	1394	1016	803	838	817	827	850
SRev ST-Oil		43	43	43	43	44	44	44	44	44	44	44	43	43	44	44	44	44	44	44	44	44	44	44	44
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		0	-3	-1	2	1	2	-1	4	1	3	-1	-1	1	-2	3	2	4	3	3	-1	0	0	0	0
Syncon		374	525	525	676	676	764	764	764	577	577	577	577	577	426	577	613	676	676	676	676	374	374	374	374
Hydro		618	578	597	469	472	414	416	416	459	565	569	575	555	686	553	750	469	465	465	465	547	543	453	397
S.Reserve Total		1956	1836	1928	2253	2535	2842	3188	3403	3406	3680	3787	3825	3656	3510	3568	3669	3359	2686	2316	2096	1940	1872	1807	1785