

Availability at Daily Maximum Demand Hour

ST-Coal	9,502 MW
ST-Gas	380 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,454 MW
Distillate	0 MW
Others	0 MW
Gas	9,152 MW
Co-Gen	0 MW
Total System	23,078 MW

Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

Gas Usage

Station	(mmscfd)
GLGR	30
SRDG	3
TJGS	12
TJGS	91
CBPS	47
EMPP	292
KLPP	59
NPRI	146
PCGP	86
SGRI	110
SPGP	206
PKLG	80
Total Gas	1,162

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	20,852 MW
Spinning Reserve	1,113 MW
Maximum Demand	19,687 MW
Net Energy	418,752 MWH
Load Factor	89 %

Generation Mix

Type	MWh	Percentage
ST-Coal	224,853	53.70 %
ST-Gas	7,836	1.87 %
LSS	9,711	2.32 %
Hydro	14,416	3.44 %
Gas	162,977	38.92 %
Co-Gen	-606	-0.14 %
Total Generation	419,187	100.10 %
PLTG	435	0.10 %
Interconnection	435	0.10 %
Net Energy	418,752	100.00 %

Fuel Cost

Total Cost:	107,425,308.20 RM
Cost per Unit	25.54 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	421
Hydro	414
Syncon	771
Thermal	173
Total	1,779

Total Gas Required 1,162

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	29

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	17590	16667	16127	15529	15093	14935	15099	15094	15342	16860	17480	17848	17820	17609	18489	18982	19207	19102	18110	18088	19456	19589	19133	18764

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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
TMGR	HYDR	29	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
UJLI	HYDR	-2	100	1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	81	81	81	137	199	186	-2	-2
Total Hydro		450	627	491	473	488	490	463	488	485	484	484	507	487	488	491	358	357	357	358	394	290	303	352	352
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	28	135	298	546	689	963	1046	1156	1193	1260	1268	1230
ESTL	ESTL	11	0	6	2	0	11	10	12	0	0	4	7	2	0	3	14	9	13	6	5	8	10	1	0
PCUF	CUFG	11	12	13	13	15	15	16	16	19	23	12	11	12	13	12	11	13	13	16	15	15	15	14	16
PCUF	CUFK	13	13	12	12	10	11	10	10	11	10	10	9	9	10	11	9	8	8	8	7	7	7	7	5
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	4
Total NEDA Co-Gen		39	29	35	31	29	41	40	42	34	38	30	32	27	27	29	40	35	39	35	33	35	37	28	26
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		17598	17081	16675	16430	16125	15881	15543	15368	15098	15010	14933	14948	15181	15322	15096	15100	15338	16278	16819	17313	17459	17640	17882	17991
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	-47	-47	-47	-43	-43	-41	-41	-39	-37	-37	-37	-38	-38	-37	-43	-43	-48	-52	-54	-54	-59	-60	-67	-64
Total Franchise Area		-47	-47	-47	-43	-43	-41	-41	-39	-37	-37	-37	-38	-38	-37	-43	-43	-48	-52	-54	-54	-59	-60	-67	-64
Singapore		-36	-101	-36	-3	-42	-14	-24	29	-31	-33	-36	-25	47	-1	-33	-5	-44	-48	-86	9	-72	-106	-22	-21
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
Interconnection		-36	-101	-36	-3	-42	-14	-24	29	-31	-33	-36	-25	47	-1	-33	-5	-44	-48	-86	9	-72	-106	-22	-21
Total Demand		17590	17138	16667	16393	16127	15857	15529	15301	15093	15009	14935	14939	15099	15288	15094	15071	15342	16286	16860	17255	17480	17695	17848	17955
SRev ST-Coal		147	235	203	155	207	225	158	128	132	130	116	131	121	140	127	130	143	136	127	136	188	173	206	199
SRev CCGT-Gas		771	747	540	656	885	1067	1539	1771	2026	2119	2202	2197	1939	1809	2021	1936	1796	1060	771	638	655	570	570	540
SRev ST-Gas		38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
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	0	0	0	2	-2	0	-1	0	0	1	-1	1	0	0	0	0	0	2	0	1	-2	2	-1
Syncon		1041	703	854	1041	1041	1041	1041	890	1041	1041	890	1041	1041	890	1142	1142	1142	1142	1142	991	1016	1016	865	1016
Hydro		210	371	332	163	148	146	173	148	302	152	152	280	149	148	296	177	178	178	177	141	245	383	309	309
S.Reserve Total		2294	2180	2053	2139	2407	2601	3035	3211	3474	3566	3636	3621	3385	3244	3472	3507	3371	2647	2352	2172	2304	2256	2194	2196