

Availability at Daily Maximum Demand Hour

ST-Coal	7,563 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,362 MW
Distillate	0 MW
Others	0 MW
Gas	10,142 MW
Co-Gen	0 MW
Total System	21,997 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:	20:30:00 Hour
Total Set On Bus	18,864 MW
Spinning Reserve	943 MW
Maximum Demand	17,843 MW
Net Energy	388,234 MWH
Load Factor	91 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	194
CBPS	51
EMPP	306
KLPP	83
NPRI	80
PCGP	88
PLPS	86
SGRI	98
SPGP	209
Total Gas	1,224

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	177,074	45.61 %
LSS	8,273	2.13 %
Hydro	21,538	5.55 %
Gas	183,434	47.25 %
Co-Gen	-324	-0.08 %
Total Generation	389,995	100.45 %
PLTG	316	0.08 %
HVDC	1,445	0.37 %
Interconnection	1,761	0.45 %
Net Energy	388,234	100.00 %

Fuel Cost

Total Cost:	96,536,653.94 RM
Cost per Unit	24.68 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	364
Hydro	312
Syncon	605
Thermal	147
Total	1,428

Time	Weather	Temperature
Afternoon	Hot	33
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	16253	15568	15010	14547	14053	13828	13785	14034	14421	15804	16572	16913	16748	16650	17202	17647	17743	17673	16700	16636	17831	17789	17307	17192

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 7:27:21 PM

(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																								
ESTL	ESTL	24	30	23	23	26	22	22	24	29	27	33	28	34	35	30	25	35	30	27	30	26	18	19	20	24	23	18	29	32	32	23	20	33	19	21	22	30	19	22	21	33	31	24	20	21	29	20	23
PCUF	CUFG	4	3	5	4	4	4	2	2	3	3	3	2	4	4	2	4	3	2	3	3	4	4	4	2	2	3	2	3	2	4	4	3	3	4	4	3	3	4	2	2	4	3	4	3	4	5		
PCUF	CUFK	4	5	5	3	4	5	3	2	3	3	3	3	6	5	2	4	5	4	4	5	2	5	3	2	3	3	4	4	5	5	4	2	3	4	4	4	5	4	3	4	3	4	3	3	3	5		
PFTZ	PFTZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	
Total NEDA Co-Gen		32	38	33	30	34	31	27	28	35	33	39	33	44	44	34	32	43	36	33	41	35	29	25	31	32	29	26	37	42	42	34	29	42	28	27	30	38	29	32	31	42	38	30	25	28	35	27	33
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	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		16369	16028	15672	15381	15126	14922	14679	14394	14148	14066	13943	13942	13863	14082	14130	14348	14512	15446	15901	16267	16711	16953	17083	17086	16908	16720	16769	16933	17311	17601	17755	17681	17880	17949	17807	17279	16823	16595	16779	17474	17955	17971	17920	17689	17421	17378	17283	16991
KHTC	BLK1	-42	-42	-43	-42	-41	-39	-37	-35	-35	-34	-32	-33	-29	-30	-28	-32	-37	-43	-43	-45	-46	-49	-50	-53	-57	-57	-59	-61	-64	-62	-63	-64	-65	-65	-64	-62	-58	-56	-57	-54	-53	-49	-47	-43	-42	-43	-38	
Total Franchise Area		-42	-42	-43	-42	-41	-39	-37	-35	-35	-34	-32	-33	-29	-30	-28	-32	-37	-43	-43	-45	-46	-49	-50	-53	-57	-57	-59	-61	-64	-62	-63	-64	-65	-65	-64	-62	-58	-56	-57	-54	-53	-49	-47	-43	-42	-43	-38	
Singapore		17	29	4	18	18	22	37	34	3	9	26	28	-8	4	9	28	3	1	-3	20	37	30	65	50	51	22	6	4	-8	-36	-11	4	17	13	13	-16	5	-16	31	-8	13	18	24	13	14	19	-9	-11
Thailand		60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Interconnection		77	90	64	78	78	83	98	94	63	69	86	88	52	65	69	88	63	61	58	80	98	90	125	110	111	82	66	64	52	24	50	64	77	74	73	44	65	44	91	52	73	78	85	73	74	79	51	50
Total Demand		16253	15899	15568	15264	15010	14803	14547	14268	14053	13966	13828	13824	13785	13990	14034	14235	14421	15352	15804	16148	16572	16821	16913	16930	16748	16585	16650	16814	17202	17517	17647	17558	17743	17814	17673	17175	16700	16497	16636	17368	17831	17843	17789	17572	17307	17260	17192	16906
S.Rev ST-Coal		149	140	170	110	168	124	150	175	313	315	298	313	303	305	320	321	334	218	146	154	149	145	147	155	151	148	151	152	141	142	138	145	139	143	141	196	257	189	166	148	151	158	159	146	153	158	140	111
S.Rev CCGT-Gas		676	571	503	619	569	811	1021	1290	1366	1465	1610	1596	1688	1469	1423	1192	1051	416	388	385	138	398	349	460	743	956	1134	1043	689	341	325	374	318	248	314	447	552	562	333	163	260	283	318	276	313	282	306	263
S.Rev Co-Gen		0	-2	-1	0	4	0	0	0	-1	0	0	-1	0	0	0	0	0	0	0	0	1	1	-2	-1	-1	-2	0	0	-1	0	0	0	0	0	1	0	1	-1	0	0	-2	1	-1	1	1	0	2	0
Syncon		500	651	802	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953
Hydro		346	290	291	135	121	124	127	119	121	251	249	246	251	251	371	242	119	90	126	166	198	345	245	245	120	121	127	119	204	173	264	270	304	497	421	218	326	85	129	443	399	501	508	451	491	417	388	412
S.Reserve Total		1671	1650	1765	1817	1815	2012	2251	2537	2752	2984	3110	3107	3195	2978	2916	2556	2457	1677	1613	1658	1287	1540	1544	1660	1966	2177	2363	2267	1836	1608	1493	1555	1376	1165	1154	1663	1938	1788	1581	1218	1085	943	984	1212	1483	1382	1361	1311