

Availability at Daily Maximum Demand Hour

ST-Coal	8,615 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,190 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	8,859 MW
Co-Gen	0 MW
Total System	21,791 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:	20:00:00 Hour
Total Set On Bus	17,739 MW
Spinning Reserve	1,245 MW
Maximum Demand	16,499 MW
Net Energy	357,266 MWH
Load Factor	90 %

Gas Usage

Station	(mmscfd)
GLGR	33
TJGS	163
CBPS	45
EMPP	183
KLPP	51
PCGP	83
PLPS	21
SGRI	2
SKSP	44
SPGP	203
Total Gas	827

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	201,328	56.35 %
LSS	4,636	1.30 %
Hydro	26,068	7.30 %
Gas	123,461	34.56 %
Co-Gen	1,357	0.38 %
Total Generation	356,850	99.88 %
PLTG	264	0.07 %
HVDC	-680	-0.19 %
Interconnection	-416	-0.12 %
Net Energy	357,266	100.00 %

Fuel Cost

Total Cost:	78,209,961.74 RM
Cost per Unit	21.87 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,015
Hydro	320
Syncon	579
Thermal	180
Total	2,094

Time Weather Temperature

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	15770	15091	14555	14154	13706	13489	13499	13402	13164	14106	14754	15237	14930	14757	15171	15562	15458	15287	15033	15697	16499	16319	15869	15629

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, February 13, 2024 12:33:51 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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																									
PCUF	CUFG	20	19	20	20	19	19	19	19	19	20	19	18	20	20	20	21	21	22	22	22	22	22	22	22	23	21	20	21	22	23	21	21	10	10	12	22	23	22	21	21	21	21	20	20	20	21	21		
PCUF	CUFK	29	31	30	29	30	29	28	31	30	30	31	29	30	28	30	31	30	30	29	30	29	30	29	30	28	28	28	30	29	30	28	30	28	28	29	29	29	29	29	30	29	28	29	29	29	28	30	29	
PFTZ	PFTZ	6	6	6	6	6	6	6	5	6	5	6	5	6	6	6	6	5	5	5	5	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6
Total NEDA Co-Gen		81	84	83	83	76	83	78	87	87	82	85	73	84	80	88	90	92	87	86	87	89	82	89	88	91	86	83	83	88	86	86	84	86	75	70	66	88	91	90	87	88	83	85	85	83	78	79	84	
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	0
Total Generation		15775	15381	15066	14819	14534	14284	14152	13889	13710	13534	13480	13489	13499	13483	13387	13198	13152	13672	14108	14507	14775	15049	15255	15350	14929	14798	14720	14933	15198	15561	15608	15462	15463	15393	15294	15139	15059	15211	15734	16497	16523	16484	16344	16182	15884	15737	15624	15391	
KHTC	BLK1	-28	-27	-25	-22	-23	-24	-21	-21	-22	-20	-17	-16	-19	-15	-17	-17	-20	-22	-25	-28	-29	-29	-32	-33	-31	-35	-42	-37	-36	-35	-34	-38	-30	-31	-32	-30	-33	-33	-35	-32	-34	-27	-27	-29	-26	-28	-25		
Total Franchise Area		-28	-27	-25	-22	-23	-24	-21	-21	-22	-20	-17	-16	-19	-15	-17	-17	-20	-22	-25	-28	-29	-29	-32	-33	-31	-35	-42	-37	-36	-35	-34	-38	-30	-31	-32	-30	-33	-33	-35	-32	-34	-27	-27	-29	-26	-28	-25		
Singapore		8	-3	-18	4	-12	-8	8	-3	13	-9	2	14	15	15	1	14	3	3	11	18	25	-8	22	33	-3	-17	-41	-11	23	39	43	18	-1	-4	8	23	27	30	35	34	23	22	29	36	18	21	-2	28	
Thailand		-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	
Interconnection		-20	-32	-47	-25	-41	-36	-20	-31	-15	-37	-26	-14	-13	-13	-27	-14	-26	-26	-17	-11	-3	-36	-7	5	-31	-45	-69	-39	-6	11	14	-10	-30	-32	-20	-6	-1	2	7	5	-5	-7	1	8	-11	-8	-30	-1	
Total Demand		15770	15389	15091	14825	14555	14299	14154	13902	13706	13554	13489	13489	13499	13480	13402	13198	13164	13682	14106	14497	14754	15060	15237	15316	14930	14816	14757	14933	15171	15517	15562	15442	15488	15399	15287	15117	15033	15180	15697	16460	16499	16460	16319	16150	15869	15722	15629	15370	
SRev ST-Coal		109	112	119	128	176	132	195	304	289	278	276	286	277	282	326	334	293	294	288	278	166	155	185	192	204	198	197	197	201	194	184	182	191	196	199	256	209	200	124	114	113	119	103	118	137	92	112	110	
SRev CCGT-Gas		843	638	893	676	873	1176	1258	1406	1570	1811	1894	1867	1882	1873	2039	2356	2456	1927	1632	1315	1444	1231	1147	1044	1426	1356	1394	1211	982	583	582	659	625	692	763	778	836	968	721	474	522	511	667	805	1177	1377	1143	1320	
SRev Co-Gen		-1	0	0	0	0	0	0	1	0	0	0	0	0	-2	-1	1	0	1	0	2	0	0	0	0	0	-4	-1	1	-1	1	0	0	1	0	-4	-1	2	0	1	1	0	0	0	0	0	3	0		
Syncon		651	802	802	953	953	953	953	953	953	953	953	953	953	953	802	802	953	953	802	802	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	313	313	313	313	313	313	126	126	126	
Hydro		693	312	312	184	217	215	197	212	242	209	208	205	196	216	360	391	260	219	341	211	280	273	337	281	343	341	329	285	316	306	360	353	465	339	298	302	303	296	395	320	296	335	337	346	265	335	336	350	
S.Reserve Total		2295	1864	2126	1941	2219	2476	2603	2876	3054	3251	3331	3311	3308	3322	3526	3884	3962	3394	3063	2608	2541	2310	2320	2168	2624	2542	2570	2345	2250	1733	1778	1845	1781	1879	1911	1983	1998	2117	1891	1222	1245	1278	1420	1582	1892	1930	1720	1906	