

Availability at Daily Maximum Demand Hour

ST-Coal	8,451 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,327 MW
Distillate	0 MW
Others	0 MW
Gas	10,016 MW
Co-Gen	0 MW
Total System	22,724 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
Total Gas		Total	
0		0	

Alternate Fuel Usage

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	19,874 MW
Spinning Reserve	1,067 MW
Maximum Demand	18,795 MW
Net Energy	404,086 MWH
Load Factor	90 %

Total Gas Required	0
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Generation Mix

Type	MWh	Percentage
ST-Coal	198,681	49.17 %
LSS	9,226	2.28 %
Hydro	20,679	5.12 %
Gas	175,289	43.38 %
Co-Gen	50	0.01 %
Total Generation	403,925	99.96 %
PLTG	529	0.13 %
EGAT	5	0.00 %
HVDC	-695	-0.17 %
Interconnection	-161	-0.04 %
Net Energy	404,086	100.00 %

Fuel Cost

Total Cost:	98,739,323.23 RM
Cost per Unit	24.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	482
Hydro	430
Syncon	424
Thermal	125
Total	1,461

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	17154	16477	15804	15176	14700	14387	14406	14535	14768	16199	16840	17197	17137	16980	17741	18414	18748	18600	17492	17367	18731	18757	18196	17942

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 7:54:35 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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	2	84	266	519	676	829	953	1101	1080	1203	1174	1243	1215	1189	1115	1111	1009	952	790	654	609	426	205	60	1	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	21	21	21	21	23	21	21	22	22	20	21	23	22	21	22	22	23	22	20	21	21	20	20	23	23	22	22	21	22	21	22	22	22	21	22	22	21	22	22	22	21	21	22	22	22	22	22	22	22	22	
PCUF	CUFK	30	30	30	29	31	30	28	32	29	29	30	29	30	29	31	31	30	30	30	30	30	30	29	30	29	30	29	31	31	30	30	30	30	30	30	30	30	29	30	30	30	29	29	29	29	29	29	0	0		
PFTZ	PFTZ	0	0	0	0	1	0	2	2	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
Total NEDA Co-Gen		51	51	51	50	55	51	51	56	51	49	50	53	51	52	52	52	54	53	50	51	51	51	50	49	53	52	51	52	52	53	52	51	53	53	51	51	53	53	51	51	53	53	52	51	51	52	52	52	23	23	
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	0	0
Total Generation		17133	16865	16561	16084	15834	15512	15219	14940	14726	14584	14437	14456	14428	14503	14540	14502	14791	15641	16200	16525	16862	17103	17270	17355	17155	17051	17031	17347	17747	18370	18469	18657	18773	18832	18684	18115	17578	17337	17437	18177	18783	18858	18818	18543	18234	18193	17947	17683			
ESTL	ESTL	-15	-17	-17	-25	-10	-11	-18	-5	-12	-5	-4	-9	-15	-8	-19	-7	-6	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
KHTC	BLK1	-39	-38	-37	-37	-34	-30	-30	-28	-27	-26	-25	-24	-23	-25	-23	-27	-28	-33	-36	-36	-39	-45	-47	-52	-49	-51	-52	-55	-60	-60	-61	-66	-63	-64	-62	-62	-61	-58	-58	-54	-55	-54	-50	-48	-45	-46	-45	-44			
PCUF	CUFK	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	0	0
Total Franchise Area		-54	-55	-54	-62	-44	-41	-48	-33	-39	-31	-29	-33	-38	-33	-42	-34	-34	-33	-36	-36	-39	-45	-47	-52	-49	-51	-52	-55	-60	-60	-61	-66	-63	-64	-62	-62	-61	-58	-58	-54	-55	-54	-50	-48	-45	-46	-50	-48			
Singapore		-43	8	61	36	17	18	28	5	19	58	53	29	14	37	-6	21	21	-9	-3	-19	16	21	60	-5	4	31	34	-8	-21	46	29	26	-5	31	54	79	57	67	44	22	29	41	42	26	24	12	-12	-26			
Thailand		-29	-28	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-27	-28	-28	-28	-29	-29	-29	-29	-28	-31	-28	-30	-31	-29	-28	-31	-30	-28	-28	-28	-31	-28	-31	-28	-28	-28	-28	-28	-28	-28	-28	-28	-30	-30	-30		
Interconnection		-72	-20	33	8	-11	-11	-2	-24	-10	29	24	0	-13	9	-34	-7	-7	-36	-31	-48	-13	-8	30	-34	-27	3	3	-38	-50	18	-2	-4	-34	3	26	48	29	36	16	-6	0	12	14	-2	-4	-18	-42	-56			
Total Demand		17154	16833	16477	16017	15804	15485	15176	14934	14700	14527	14387	14426	14406	14464	14535	14478	14768	15648	16199	16541	16840	17070	17197	17341	17137	17001	16980	17334	17741	18296	18414	18599	18748	18769	18600	18009	17492	17247	17367	18132	18731	18795	18757	18500	18196	18168	17942	17694			
SRev ST-Coal		129	127	128	122	112	123	233	309	378	369	410	392	388	411	329	290	316	138	100	126	118	98	146	83	161	104	142	116	124	116	123	114	113	129	157	127	139	143	124	139	127	146	129	139	126	119	132	139			
SRev CCGT-Gas		783	357	618	608	646	956	1119	1327	1586	1723	1839	1842	1872	1764	1729	1810	1559	1038	919	701	689	593	530	457	728	859	1122	1191	811	424	474	434	350	336	344	598	909	941	788	360	269	256	253	259	334	362	439	450			
SRev Co-Gen		0	0	1	2	0	1	0	0	0	0	0	0	0	-1	-3	0	-1	0	0	0	-1	-1	0	0	-1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	-1	0	10	8		
Syncon		552	703	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791		
Hydro		446	178	132	192	194	191	171	171	171	169	169	170	171	170	170	170	170	171	196	276	275	336	335	277	277	277	277	273	547	538	441	426	453	431	595	350	474	475	700	320	389	449	454	464	344	545	452				
S.Reserve Total		1910	1365	1670	1715	1743	2062	2314	2598	2926	3052	3209	3195	3222	3135	3016	3061	2835	2137	1981	1814	1697	1580	1501	1364	1780	1855	2156	2199	1823	1515	1564	1417	1317	1195	1209	1834	2187	2346	2175	1626	1144	1067	1107	1278	1436	1338	1489	1601			