

Availability at Daily Maximum Demand Hour

ST-Coal	8,391 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,240 MW
Hydro	2,412 MW
Distillate	0 MW
Others	0 MW
Gas	9,923 MW
Co-Gen	0 MW
Total System	22,556 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:	21:00:00 Hour
Total Set On Bus	17,750 MW
Spinning Reserve	1,006 MW
Maximum Demand	16,725 MW
Net Energy	341,711 MWH
Load Factor	85 %

Gas Usage

Station	(mmscfd)
GLGR	36
TJGS	108
CBPS	41
EMPP	285
NPRI	66
PCGP	89
SKSP	4
SPGP	208
Total Gas	837

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	176,430	51.63 %
LSS	7,771	2.27 %
Hydro	27,669	8.10 %
Gas	129,368	37.86 %
Co-Gen	443	0.13 %
Total Generation	341,681	99.99 %
PLTG	-30	-0.01 %
Interconnection	-30	-0.01 %
Net Energy	341,711	100.00 %

Fuel Cost

Total Cost:	76,780,166.74 RM
Cost per Unit	22.42 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	739
Hydro	524
Syncon	408
Thermal	537
Total	2,208

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	15566	14881	14292	13733	13316	13161	13081	12982	12292	12601	12975	13257	13286	13447	13873	14153	14453	14625	14490	15040	16517	16725	16544	16229

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, February 12, 2024 11:27:10 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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	CUFK	30	22	4	5	3	3	4	4	5	2	3	4	4	4	4	4	3	6	6	4	3	2	5	2	4	4	4	5	4	3	4	12	19	21	20	20	21	21	22	21	21	23	21	21					
	PFTZ	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Total NEDA Co-Gen		77	67	40	52	46	47	50	50	55	32	43	48	46	51	42	50	51	50	38	41	44	56	41	42	37	48	54	50	47	40	46	56	45	32	38	47	54	60	55	61	61	59	58	67	55	60	64	60	
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		15607	15186	14906	14544	14321	14092	13754	13601	13336	13282	13191	13098	13094	13080	12993	12507	12292	12491	12580	12742	12971	13182	13284	13465	13332	13448	13417	13608	13856	14101	14155	14396	14483	14552	14660	14580	14530	14754	15096	16042	16581	16710	16780	16754	16602	16424	16288	15912	
KHTC	BLK1	-29	-26	-22	-22	-24	-24	-22	-22	-21	-21	-22	-20	-18	-21	-19	-19	-20	-21	-21	-24	-28	-31	-35	-34	-35	-36	-37	-42	-40	-41	-47	-41	-42	-48	-48	-47	-47	-46	-45	-42	-36	-42	-39	-36	-32	-30	-33	-28	
	Total Franchise Area	-29	-26	-22	-22	-24	-24	-22	-22	-21	-21	-22	-20	-18	-21	-19	-19	-20	-21	-21	-24	-28	-31	-35	-34	-35	-36	-37	-42	-40	-41	-47	-41	-42	-48	-48	-47	-47	-46	-45	-42	-36	-42	-39	-36	-32	-30	-33	-28	
Singapore		15	16	6	-14	8	11	2	16	2	11	11	-14	-2	7	-5	2	-16	-20	-38	-12	-28	-7	-4	13	15	5	-63	-40	-53	-17	-41	-35	-8	-20	-9	-28	-3	3	14	22	31	26	19	28	29	57	29	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	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
Interconnection		15	16	6	-14	8	11	2	16	2	11	11	-14	-2	7	-5	2	-16	-20	-38	-12	-28	-7	-4	13	15	5	-63	-40	-53	-17	-41	-35	-8	-20	-9	-28	-3	3	14	22	31	26	19	28	29	57	29	21	
Total Demand		15566	15147	14881	14539	14292	14060	13733	13566	13316	13253	13161	13095	13081	13055	12982	12489	12292	12494	12601	12734	12975	13162	13257	13422	13286	13411	13447	13610	13873	14081	14153	14394	14453	14528	14625	14565	14490	14709	15040	15981	16517	16645	16725	16693	16544	16340	16229	15866	
S.Rev ST-Coal		315	313	387	383	652	655	673	666	639	662	672	651	656	665	654	662	638	611	648	740	741	724	740	735	728	730	731	731	733	726	734	666	648	642	616	581	591	532	413	180	142	142	140	132	142	134	136	138	
S.Rev CCGT-Gas		273	495	530	1084	1020	838	1128	936	1008	1010	1018	1001	1008	1041	1124	1417	1474	1414	1464	1368	1284	1217	1284	1139	1242	1184	1262	1059	673	548	517	509	560	490	652	614	510	637	684	619	475	320	258	347	454	662	787	883	
S.Rev Co-Gen		0	0	-2	-2	0	0	-1	0	-1	2	0	0	-1	-2	0	0	0	1	-2	0	0	0	0	0	0	0	0	2	0	1	0	0	2	0	0	0	1	2	0	-1	1	2	0	0	0	0	1	0	
Syncon		374	374	374	374	374	374	374	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	525	
Hydro		416	442	467	468	422	438	463	552	612	607	688	701	709	691	693	692	754	621	627	749	610	616	610	599	614	576	573	576	537	527	483	531	562	649	708	619	601	526	712	665	438	462	455	409	432	415	428	466	
S.Reserve Total		1378	1624	1756	2307	2468	2305	2637	2679	2783	2806	2903	2878	2897	2920	2996	3296	3391	3172	3262	3231	3160	3082	3159	2998	3109	3015	3091	2891	2470	2326	2260	2231	2295	2157	2314	2339	2378	2372	2487	1766	1205	1076	1006	1039	1179	1362	1503	1674	