

Availability at Daily Maximum Demand Hour

ST-Coal	8,701 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	21,877 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	18,460 MW
Spinning Reserve	988 MW
Maximum Demand	17,488 MW
Net Energy	364,709 MWH
Load Factor	87 %

Gas Usage

Station	(mmscfd)
GLGR	37
TJGS	177
CBPS	46
EMPP	181
KLPP	69
PCGP	82
PLPS	56
SKSP	47
SPGP	194
Total Gas	889

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	194,282	53.27 %
LSS	6,381	1.75 %
Hydro	30,684	8.41 %
Gas	131,322	36.01 %
Co-Gen	1,182	0.32 %
Total Generation	363,851	99.76 %
PLTG	-178	-0.05 %
HVDC	-680	-0.19 %
Interconnection	-858	-0.24 %
Net Energy	364,709	100.00 %

Fuel Cost

Total Cost:	81,338,128.71 RM
Cost per Unit	22.30 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	610
Hydro	303
Syncon	558
Thermal	161
Total	1,632

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	13602	12998	12511	12368	12107	11917	12570	12980	13614	15110	15811	16455	16483	16319	16993	17227	17354	17162	16456	16360	17488	17212	16902	16011

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, February 13, 2024 12:29:52 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	29	28	27	30	29	27	29	30	30	29	30	29	29	30	29	30	29	30	30	32	29	29	29	29	31	29	32	29																				
	PFTZ	6	6	6	6	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																				
Total NEDA Co-Gen		89	88	86	83	89	86	84	88	86	87	84	87	84	88	89	91	92	87	89	87	81	88	84	87	84	83	87	84	78	82	79	77	77	76	79	81	75	79	80	76	72	78	79	78	71				
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			
Total Generation		13557	13271	12962	12749	12462	12365	12349	12240	12091	11935	11902	12106	12533	12876	12958	13051	13589	14493	15084	15393	15801	16235	16407	16538	16515	16329	16396	16779	17037	17380	17284	17310	17379	17399	17170	16730	16471	16304	16360	17398	17506	17420	17232	16934	16916	16337	15992	15532	
KHTC	BLK1	-23	-19	-20	-21	-22	-21	-24	-20	-18	-14	-19	-18	-21	-20	-21	-18	-25	-29	-30	-32	-35	-40	-39	-43	-41	-43	-47	-47	-51	-52	-52	-50	-51	-55	-51	-46	-45	-43	-46	-34	-37	-37	-33	-33	-34	-33	-35	-33	
Total Franchise Area		-23	-19	-20	-21	-22	-21	-24	-20	-18	-14	-19	-18	-21	-20	-21	-18	-25	-29	-30	-32	-35	-40	-39	-43	-41	-43	-47	-47	-51	-52	-52	-50	-51	-55	-51	-46	-45	-43	-46	-34	-37	-37	-33	-33	-34	-33	-35	-33	
Singapore		-36	-52	-25	-15	-40	-9	-12	-11	-2	-27	-3	-22	-26	33	-11	-22	-18	-44	-24	21	-13	-32	-55	-39	22	-13	61	33	24	58	37	-1	6	-16	-12	-25	3	-14	-15	-12	13	9	18	0	11	8	-23	-43	
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		-65	-81	-53	-44	-68	-37	-40	-40	-31	-55	-31	-50	-55	4	-40	-50	-46	-73	-52	-7	-41	-61	-84	-67	-6	-42	33	5	-4	29	8	-29	-23	-44	-40	-54	-26	-42	-43	-41	-16	-20	-10	-28	-17	-20	-51	-71	
Total Demand		13602	13336	12998	12775	12511	12384	12368	12263	12107	11979	11917	12141	12570	12855	12980	13086	13614	14541	15110	15372	15811	16260	16455	16565	16483	16331	16319	16730	16993	17302	17227	17292	17354	17391	17162	16741	16456	16307	16360	17408	17488	17406	17212	16932	16902	16327	16011	15573	
S.Rev ST-Coal		523	527	543	536	578	522	518	478	471	528	538	522	533	416	430	421	418	206	169	155	149	176	157	173	171	150	167	153	155	155	148	162	161	167	167	167	154	156	163	142	163	176	152	160	160	153	163	159	209
S.Rev CCGT-Gas		1284	1221	1239	1642	1780	1848	1873	2182	2500	2512	2467	2282	1868	2036	2241	2336	2199	1735	1172	1054	755	415	360	507	850	933	931	1180	849	632	619	562	505	406	582	788	911	1008	918	287	272	296	439	644	681	1341	1273	1342	
S.Rev Co-Gen		0	-1	-1	0	1	0	0	1	0	0	0	-1	1	0	0	0	0	0	-1	0	-1	0	0	1	0	1	0	0	1	0	1	0	3	0	0	-1	-2	2	-1	0	0	0	0	0	0	0	0	0	
Syncon		126	126	277	464	651	651	651	802	802	802	802	802	802	802	651	802	802	802	953	802	953	802	651	651	651	651	651	651	651	651	651	464	615	464	615	615	615	615	126	126	126	126	313	313	126	126	313		
Hydro		313	607	360	368	272	274	271	146	152	160	150	144	142	152	274	146	146	145	16	152	16	145	273	273	283	272	279	280	272	244	303	304	402	331	476	330	330	323	325	366	414	501	510	412	430	440	415	392	
S.Reserve Total		2246	2480	2418	3010	3282	3295	3313	3609	3925	4002	3957	3749	3346	3406	3596	3705	3565	2888	2309	2163	1872	1538	1441	1605	1955	2007	2028	2264	1927	1683	1721	1680	1532	1522	1689	1887	2011	2107	2002	941	988	1075	1235	1529	1577	2070	1973	2256	