

Availability at Daily Maximum Demand Hour

ST-Coal	8,015 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,290 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	9,206 MW
Co-Gen	0 MW
Total System	21,638 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:	16:00:00 Hour
Total Set On Bus	19,896 MW
Spinning Reserve	1,064 MW
Maximum Demand	18,784 MW
Net Energy	400,377 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	45	PKLG	2
TJGS	191	Total	2
CBPS	49		
EMPP	301		
KLPP	70		
NPRI	82		
PCGP	89		
PLPS	69		
SGRI	95		
SKSP	48		
SPGP	104		
PKLG	32		
Total Gas	1,175		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
ST-Coal	188,888	47.18 %
ST-Gas	3,095	0.77 %
ST-Oil	146	0.04 %
LSS	7,926	1.98 %
Hydro	33,345	8.33 %
Gas	168,049	41.97 %
Co-Gen	-355	-0.09 %
Total Generation	401,094	100.18 %
PLTG	-3	0.00 %
HVDC	720	0.18 %
Interconnection	717	0.18 %
Net Energy	400,377	100.00 %

Fuel Cost

Total Cost:	103,371,592.47 RM
Cost per Unit	25.70 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	568
Hydro	531
Syncon	264
Thermal	158
Total	1,521

Total Gas Required 1,176

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	17001	16162	15485	14978	14592	14249	14371	14453	14697	16083	16748	17137	16980	16866	17744	18395	18784	18536	17370	17248	18312	18279	17831	17560

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 6:51:39 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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 Distillate		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 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																										
ESTL	ESTL	20	21	27	18	28	23	22	30	21	23	29	23	19	20	16	30	24	21	11	17	20	28	31	18	25	27	24	30	30	29	30	30	28	26	26	16	27	28	18	28	22	21	21	17	24	26	13			
PCUF	CUFG	3	5	4	3	4	3	3	2	2	3	4	3	3	3	4	3	4	3	4	6	6	6	5	6	5	5	5	5	3	2	4	2	3	4	5	4	6	4	3	4	4	5	8	6	6					
PCUF	CUFK	4	6	5	3	4	5	4	3	2	2	4	3	4	5	2	3	7	5	4	4	5	2	3	4	3	4	1	5	5	4	2	4	5	4	3	3	3	6	1	4	2	5	4	4	7	3	4	4		
PFTZ	PFTZ	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Total NEDA Co-Gen		29	34	38	26	38	33	31	37	27	29	38	32	28	30	23	38	37	31	21	26	31	38	42	30	35	39	33	42	42	41	40	40	38	37	36	35	25	40	36	30	36	32	31	31	31	37	38	25		
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		17080	16510	16227	15928	15535	15305	15058	14799	14690	14428	14308	14213	14415	14768	14501	14580	14740	15667	16130	16598	16858	17076	17215	17207	17056	16925	16940	17340	17812	18300	18526	18809	18896	18812	18683	18014	17456	17140	17312	18192	18386	18436	18347	18248	17914	17893	17638	17401		
KHTC	BLK1	-46	-43	-44	-41	-39	-41	-36	-38	-37	-37	-34	-35	-33	-36	-37	-36	-34	-42	-44	-46	-49	-52	-53	-54	-54	-53	-56	-58	-60	-61	-62	-63	-67	-71	-69	-66	-61	-58	-57	-57	-50	-49	-47	-43	-45	-45	-44	-42		
Total Franchise Area		-46	-43	-44	-41	-39	-41	-36	-38	-37	-37	-34	-35	-33	-36	-37	-36	-34	-42	-44	-46	-49	-52	-53	-54	-54	-53	-56	-58	-60	-61	-62	-63	-67	-71	-69	-66	-61	-58	-57	-57	-50	-49	-47	-43	-45	-45	-44	-42		
Singapore		6	-30	-6	25	-16	-6	17	14	34	5	-2	-20	-16	-5	-16	-4	-17	-9	-23	0	35	5	-1	-34	-4	-26	-8	-16	-18	-12	43	23	19	-12	52	34	-1	-31	-19	-13	-3	9	-6	27	11	-19	7	21		
Thailand		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
Interconnection		36	0	24	55	14	24	47	44	64	35	28	10	14	25	14	26	13	21	7	30	65	35	29	-4	26	4	22	14	12	18	73	53	49	18	82	64	29	-1	11	17	27	39	24	57	41	11	37	51		
Total Demand		17001	16470	16162	15835	15485	15243	14978	14720	14592	14359	14249	14171	14371	14710	14453	14521	14697	15608	16083	16526	16748	16993	17137	17161	16980	16872	16866	17272	17744	18225	18395	18697	18784	18727	18536	17888	17370	17087	17248	18121	18312	18351	18279	18151	17831	17840	17560	17311		
SRev ST-Coal		126	121	120	127	134	122	124	127	146	281	256	278	272	274	267	289	178	115	149	102	117	115	105	123	117	114	107	110	129	109	123	118	117	116	123	116	127	113	121	121	128	123	126	125	121	115	132	120		
SRev CCGT-Gas		771	632	648	768	963	1140	1353	1677	1714	1844	1943	2009	1819	1477	1756	1664	1884	1090	860	703	622	632	632	652	758	949	1004	860	540	498	652	403	377	406	366	900	1398	1818	1544	522	474	429	467	551	787	822	719	734		
SRev ST-Oil		39	39	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	
SRev ST-Gas		0	0	39	38	38	39	39	39	38	38	38	39	38	39	39	37	38	38	38	39	38	38	38	38	38	39	39	39	38	39	38	38	38	38	38	38	38	38	38	38	38	39	39	38	38	38	36	33	0	0
SRev Co-Gen		2	-1	1	0	-2	3	0	1	0	0	0	-2	0	-2	2	-1	-1	1	-3	0	1	0	0	2	-3	-2	-1	0	0	0	-1	0	0	0	0	-1	0	0	0	0	-2	1	3	1	0	-1	0	1		
Syncon		374	374	676	676	676	676	676	676	676	676	676	676	676	525	676	676	676	828	828	676	676	489	489	489	676	676	525	676	525	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187	187	187	374	
Hydro		339	516	277	204	407	465	495	534	577	576	631	631	622	760	639	685	464	336	276	346	346	440	434	435	346	342	475	464	471	468	582	620	532	537	571	577	575	513	481	600	700	696	743	757	645	509	555	314		
S.Reserve Total		1651	1681	1761	1813	2216	2445	2687	3054	3151	3415	3544	3631	3427	3073	3379	3350	3239	2408	2148	1866	1800	1714	1698	1739	1932	2117	2149	2149	1704	1264	1395	1179	1064	1097	1098	1630	2138	2482	2185	1282	1338	1287	1377	1472	1776	1665	1593	1543		