

Availability at Daily Maximum Demand Hour

ST-Coal	7,865 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	21,488 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	45	PKLG	13
TJGS	188	Total	13
CBPS	48		
EMPP	290		
KLPP	70		
NPRI	74		
PCGP	88		
PLPS	71		
SGRI	87		
SKSP	49		
SPGP	104		
PKLG	27		
Total Gas	1,140		

Alternate Fuel Usage

Station	(mmscfd)
PKLG	13
Total	13

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,954 MW
Spinning Reserve	1,093 MW
Maximum Demand	18,791 MW
Net Energy	394,341 MWH
Load Factor	87 %

Generation Mix

Type	MWh	Percentage
ST-Coal	187,042	47.43 %
ST-Gas	2,592	0.66 %
ST-Oil	1,285	0.33 %
LSS	9,282	2.35 %
Hydro	32,174	8.16 %
Gas	162,982	41.33 %
Co-Gen	-167	-0.04 %
Total Generation	395,190	100.22 %
PLTG	129	0.03 %
HVDC	720	0.18 %
Interconnection	849	0.22 %
Net Energy	394,341	100.00 %

Fuel Cost

Total Cost:	101,682,309.47 RM
Cost per Unit	25.66 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	602
Hydro	537
Syncon	168
Thermal	192
Total	1,499

Total Gas Required 1,153

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	15940	15199	14546	14075	13600	13488	13578	13841	14331	15895	16728	17183	17121	16942	17882	18434	18713	18634	17595	17405	18477	18422	18020	17640

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 6:47:10 PM

(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																									
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	32	31	32	27	30	28	27	26	30	29	29	23	30	28	31	20	25	21	31	30	27	30	27	29	28	30	28	21	17	19	21	22	25	31	28	30	30	28	27	28	32	33	27						
PCUF	CUFG	3	4	3	3	3	4	4	3	3	3	4	4	5	4	3	4	5	4	3	3	3	3	5	4	3	4	4	4	2	3	3	5	3	4	4	4	4	4	3	2	4	4							
PCUF	CUFK	4	4	4	4	4	3	4	5	4	5	4	4	4	2	3	2	4	5	4	5	5	3	4	6	3	4	5	5	3	4	4	3	5	3	4	3	3	3	5	4	3	3	3	4	4	3	5		
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3				
Total NEDA Co-Gen		44	44	44	39	42	40	40	39	42	42	42	36	44	39	42	40	48	45	37	45	35	37	35	46	41	39	44	40	40	40	44	40	34	28	31	32	31	35	43	41	40	40	38	37	38	41	43	39	
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		16015	15607	15259	14921	14617	14413	14154	13896	13672	13550	13547	13498	13631	13955	13882	13999	14379	15539	15951	16544	16783	17014	17265	17333	17206	17117	17020	17441	17979	18352	18497	18700	18838	18923	18779	18257	17709	17369	17493	18217	18555	18574	18503	18322	18090	17949	17739	17359	
KHTC	BLK1	-45	-43	-44	-43	-42	-38	-37	-34	-33	-32	-32	-31	-30	-34	-33	-35	-40	-39	-39	-38	-44	-49	-48	-55	-53	-55	-57	-59	-59	-63	-63	-66	-65	-66	-64	-60	-57	-57	-53	-50	-50	-47	-48	-46	-44	-44	-43		
Total Franchise Area		-45	-43	-44	-43	-42	-38	-37	-34	-33	-32	-32	-31	-30	-34	-33	-35	-40	-39	-39	-38	-44	-49	-48	-55	-53	-55	-57	-59	-59	-63	-63	-66	-65	-66	-64	-60	-57	-57	-53	-50	-50	-47	-48	-46	-44	-44	-43		
Singapore		3	-21	-11	-1	2	6	15	3	12	23	0	16	-5	19	-20	0	-13	23	-9	-10	-9	-22	7	-3	4	20	-3	10	12	4	-26	6	33	41	53	38	28	-6	4	0	1	7	7	-2	-3	-7	28	2	
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		33	9	19	29	32	36	45	33	42	53	30	46	25	49	10	30	17	53	21	20	21	8	37	27	34	50	27	40	42	34	4	36	63	71	83	68	58	24	34	30	31	37	37	28	27	23	58	32	
Total Demand		15940	15558	15199	14852	14546	14342	14075	13832	13600	13468	13488	13423	13578	13879	13841	13940	14331	15450	15895	16489	16728	16966	17183	17262	17121	17018	16942	17348	17882	18263	18434	18605	18713	18791	18634	18129	17595	17292	17405	18137	18477	18490	18422	18249	18020	17885	17640	17287	
SRev ST-Coal		151	127	136	127	132	170	148	110	122	123	119	118	128	128	250	230	216	181	120	117	163	170	197	205	231	181	180	149	171	177	203	118	105	115	126	113	126	136	140	124	124	126	121	117	136	87	147	132	
SRev CCGT-Gas		965	925	986	1340	1671	1827	2028	2279	2447	2563	2569	2612	2480	2158	2211	2134	1799	925	858	776	659	676	712	692	832	1302	1554	1166	984	665	693	612	456	409	361	468	693	1056	947	561	305	322	335	493	615	746	774	570	
SRev ST-Oil		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
SRev ST-Gas		39	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
SRev Co-Gen		0	-2	-1	-1	2	-1	1	2	0	-3	-2	0	3	0	0	1	0	0	0	-3	-3	1	1	0	1	0	-1	-2	1	0	1	0	0	0	-1	1	0	-2	1	0	0	1	0	0	0	1	0	-1	
Syncon		701	701	701	701	550	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	
Hydro		592	622	481	451	573	426	445	441	443	448	449	450	447	440	451	580	450	587	469	393	361	525	531	565	572	563	530	513	675	678	640	500	552	531	594	552	514	475	751	592	512	509	553	580	475	497	504	394	
S.Reserve Total		2448	2411	2341	2656	2966	3161	3361	3571	3751	3870	3874	3919	3797	3465	3651	3684	3355	2344	2249	1997	1894	1748	1666	1687	1861	2271	2488	2051	1869	1558	1575	1268	1151	1093	1118	1172	1558	1891	1880	1319	984	1022	1068	1248	1471	1577	1656	1513	