

Availability at Daily Maximum Demand Hour

ST-Coal	8,681 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,240 MW
Hydro	2,412 MW
Distillate	0 MW
Others	0 MW
Gas	8,955 MW
Co-Gen	0 MW
Total System	21,878 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:	15:30:00 Hour
Total Set On Bus	18,944 MW
Spinning Reserve	1,079 MW
Maximum Demand	17,903 MW
Net Energy	385,271 MWH
Load Factor	90 %

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	Total	0
TJGS	175		
CBPS	46		
EMPP	273		
KLPP	66		
PCGP	82		
PLPS	43		
SKSP	47		
SPGP	196		
Total Gas	958		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
ST-Coal	208,058	54.00 %
LSS	5,409	1.40 %
Hydro	27,910	7.24 %
Gas	143,413	37.22 %
Co-Gen	-232	-0.06 %
Total Generation	384,558	99.81 %
PLTG	-6	0.00 %
HVDC	-707	-0.18 %
Interconnection	-713	-0.19 %
Net Energy	385,271	100.00 %

Fuel Cost

Total Cost:	88,096,490.70 RM
Cost per Unit	22.85 cents/kWH

Total Gas Required 958

Average Spinning Reserve During Peak Hour

Type	MW
GT	491
Hydro	366
Syncon	432
Thermal	108
Total	1,397

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	15608	14845	14377	13943	13526	13437	13864	13984	14380	15833	16699	17175	16935	16502	17322	17801	17868	17669	16727	16843	17814	17676	17212	16670

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, February 13, 2024 12:08:48 AM

(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	
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6
PCUF	CUFG	21	22	21	5	3	3	3	6	4	3	3	3	4	4	4	5	5	4	5	4	3	3	3	4	3
PCUF	CUFK	14	5	7	3	1	5	5	5	4	3	3	2	5	3	5	5	4	4	4	24	29	27	30	28	29
PFTZ	PFTZ	6	6	6	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		41	33	34	14	10	14	14	17	14	12	12	11	15	13	15	15	19	18	14	21	15	13	16	14	
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	
Total Generation		15593	15113	14823	14585	14369	14142	13940	13726	13537	13521	13458	13548	13845	14138	14005	14054	14352	15297	15800	16266	16672	17003	17209	17220	
ESTL	ESTL	0	0	0	-3	-2	0	0	0	0	0	0	0	0	0	0	0	-6	0	0	0	0	0	-6	0	0
KHTC	BLK1	-31	-31	-30	-29	-29	-29	-31	-31	-32	-28	-30	-26	-26	-27	-25	-27	-30	-34	-39	-39	-38	-40	-39	-44	-43
Total Franchise Area		-31	-31	-30	-32	-31	-29	-31	-31	-32	-28	-30	-26	-26	-27	-25	-27	-30	-34	-39	-39	-38	-46	-39	-44	
Singapore		-12	-11	-19	-12	-6	23	-1	-25	11	4	21	-1	-14	20	29	10	-25	-12	-40	-41	-32	-13	28	5	-12
Thailand		-31	-31	-31	-28	-31	-31	-31	-28	-29	-28	-28	-28	-29	-30	-28	-31	-31	-28	-31	-30	-30	-29	-31	-29	-29
Interconnection		-43	-42	-49	-40	-36	-7	-31	-54	-18	-24	-6	-29	-42	-9	-1	-18	-55	-43	-69	-72	-62	-43	-2	-25	
Total Demand		15608	15127	14845	14596	14377	14123	13943	13752	13526	13520	13437	13554	13864	14123	13984	14048	14380	15309	15833	16302	16699	17003	17175	17204	
SRev ST-Coal		130	204	97	272	400	413	318	295	304	239	243	388	288	213	275	269	254	105	76	74	91	96	127	124	
SRev CCGT-Gas		1436	1797	1956	1999	2112	2189	2354	2599	2743	2711	2772	2778	2549	2374	2437	2376	2196	1483	1014	1030	641	556	466	475	
SRev Co-Gen		1	0	-1	0	0	0	1	0	0	0	0	-1	0	0	0	0	0	2	-1	0	0	0	0	-2	0
Syncon		464	313	651	651	651	802	802	802	802	802	802	802	802	802	803	954	954	803	954	615	615	464	464	651	651
Hydro		385	553	334	334	305	295	297	292	325	386	384	372	368	323	390	259	188	343	185	191	153	192	239	162	
S.Reserve Total		2416	2867	3037	3256	3468	3699	3772	3988	4174	4138	4201	4339	4007	3712	3905	3858	3592	2734	2229	1912	1499	1308	1296		