

### Availability at Daily Maximum Demand Hour

ST-Coal	9,661 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,450 MW
Distillate	0 MW
Others	0 MW
Gas	9,422 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,463 MW</b>

### Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 3/26/2024	420,162 MWH

### Gas Usage

Station	(mmscfd)
<b>Total Gas</b>	<b>0</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### Set On Bus And MD

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	19,868 MW
Spinning Reserve	1,196 MW
Maximum Demand	18,658 MW
Net Energy	404,006 MWH
Load Factor	90 %

<b>Total Gas Required</b>	<b>0</b>
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### Generation Mix

Type	MWh	Percentage
ST-Coal	231,159	57.22 %
LSS	8,720	2.16 %
Hydro	16,276	4.03 %
Gas	147,430	36.49 %
Co-Gen	517	0.13 %
<b>Total Generation</b>	<b>404,102</b>	<b>100.02 %</b>
PLTG	-264	-0.07 %
HVDC	360	0.09 %
<b>Interconnection</b>	<b>96</b>	<b>0.02 %</b>
<b>Net Energy</b>	<b>404,006</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	95,690,786.75 RM
Cost per Unit	23.61 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,036
Hydro	339
Syncon	889
Thermal	154
<b>Total</b>	<b>2,418</b>

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	17927	17147	16570	15905	15416	15217	15096	14837	14362	15268	15849	16269	16254	16345	17386	18107	18279	18199	17710	17645	18394	18624	18473	18240

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 6:01:06 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Thursday

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 Hydro		1020	741	742	757	754	668	566	640	665	675	675	674	680	692	680	429	327	572	575	553	519	512	514	525	524	525	571	599	586	543	493	694	585	820	606	440	429	411	482	817	949	1230	1230	1197	933	836	659	791							
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	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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	164	306	470	645	828	1056	1116	1217	1188	1181	1107	1082	1015	1146	1085	935	821	593	640	441	232	100	34	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	26	23	27	28	23	22	27	16	22	14	16	20	15	23	15	25	21	24	23	17	28	27	27	14	27	18	17	14	13	26	23	26	26	26	23	25	24	24	29	26	29	28	29	21	16	24	26	26	26						
PCUF	CUFG	19	19	20	19	19	20	19	19	19	20	19	19	20	20	20	20	20	20	19	19	19	19	19	18	19	19	19	18	19	18	18	19	19	19	18	19	19	18	19	20	19	20	19	20	19	20	19	20	19	20	19				
PCUF	CUFK	28	29	31	30	30	31	30	30	31	30	30	30	30	30	31	30	30	29	29	29	30	29	30	30	29	31	32	29	30	30	31	29	29	30	30	30	30	30	30	30	30	30	30	28	31	30	29	29	29	29					
Total NEDA Co-Gen		73	71	78	77	72	73	76	65	72	64	64	69	64	73	64	76	71	74	73	66	76	75	76	62	76	66	65	64	64	73	72	74	75	74	71	74	72	73	79	75	79	77	78	71	64	74	75	74	74	74					
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	0	0	0	0	0	
Total Generation		17763	17306	17002	16892	16612	16367	15969	15769	15444	15377	15278	15271	15113	15146	14858	14397	14391	14894	15236	15502	15905	16197	16316	16414	16397	16356	16430	17142	17468	18097	18109	18340	18356	18464	18305	18115	17810	17704	17698	18000	18428	18650	18667	18711	18554	18503	18321	18134	18134						
KHTC	BLK1	-49	-49	-46	-43	-43	-44	-43	-40	-42	-40	-38	-39	-39	-38	-36	-41	-42	-46	-47	-49	-52	-55	-56	-60	-58	-62	-64	-67	-64	-69	-72	-77	-71	-67	-62	-61	-60	-58	-58	-49	-37	-37	-43	-42	-37	-38	-39	-38	-38						
PFTZ	PFTZ	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	-1	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 Franchise Area		-49	-49	-46	-43	-43	-44	-43	-40	-42	-40	-38	-39	-39	-38	-36	-41	-42	-46	-47	-49	-52	-55	-56	-60	-58	-63	-64	-67	-64	-69	-72	-77	-71	-67	-62	-61	-60	-58	-58	-49	-37	-37	-43	-42	-37	-38	-39	-38	-38						
Singapore		36	11	-32	-34	-27	20	-5	28	-43	-13	-2	4	-51	-15	-41	-43	-40	-65	-105	-50	-22	-28	-34	32	58	42	-4	20	-7	5	-98	88	-19	-22	17	19	13	-1	-34	-8	-31	-9	-28	-17	16	-21	13	1	1						
Thailand		-246	-246	-157	29	29	31	29	29	31	29	29	31	31	29	29	31	31	30	30	31	31	30	30	29	31	31	29	29	29	30	31	31	29	31	31	31	31	31	31	31	31	31	29	32	31	31	31	31	31	31					
Interconnection		-210	-235	-188	-5	2	51	24	57	-11	16	26	35	-19	14	-12	-12	-9	-35	-75	-20	8	1	-5	61	89	72	25	49	22	35	-66	120	10	9	48	50	44	30	-2	23	0	20	3	14	47	10	45	32	32						
Total Demand		17927	17495	17147	16857	16570	16275	15905	15675	15416	15324	15217	15200	15096	15097	14837	14372	14362	14887	15268	15477	15849	16145	16269	16297	16254	16225	16345	17030	17386	17997	18107	18147	18279	18392	18199	18008	17710	17620	17645	17931	18394	18596	18624	18658	18473	18458	18240	18067	18067						
SRev ST-Coal		286	157	181	272	247	236	254	324	127	265	171	235	237	235	234	222	223	243	273	284	264	150	147	155	148	156	169	150	143	136	148	150	146	107	143	142	146	141	156	130	143	112	124	38	122	126	159	157	157						
SRev CCGT-Gas		919	738	786	680	791	850	1221	1314	1868	2049	2242	2189	2346	2301	2569	2830	2865	2732	2405	2291	2171	2213	2160	2152	2160	2177	2061	1370	971	446	350	455	264	224	330	231	310	491	343	458	228	226	198	200	242	202	210	544	544						
SRev Co-Gen		-3	-3	-1	1	0	1	1	0	1	3	0	3	3	1	0	2	2	2	2	-1	1	0	0	2	0	3	0	0	0	0	0	0	0	1	0	-1	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0				
Syncon		464	953	953	953	953	953	953	953	953	953	953	953	953	953	1142	1230	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	978	978	640	827	978	978	1230	1230	942	703	277	277	277	651	890	890	703	703	703							
Hydro		562	252	251	236	139	145	307	257	272	262	262	263	257	245	257	319	333	189	186	200	234	241	239	228	229	228	190	162	175	218	268	218	279	382	409	424	435	301	330	333	353	648	648	681	611	516	443	348	348						
S.Reserve Total		2228	2097	2170	2142	2130	2185	2736	2848	3221	3532	3628	3643	3796	3735	4013	4515	4653	4295	3995	3903	3799	3733	3675	3666	3666	3693	3549	2811	2418	1932	1895	1801	1667	1353	1710	1775	1868	2163	2061	1864	1428	1263	1247	1196	1626	1734	1702	1752	1752						