

### Availability at Daily Maximum Demand Hour

ST-Coal	9,981 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,287 MW
Distillate	0 MW
Others	0 MW
Gas	9,887 MW
Co-Gen	0 MW
<b>Total System</b>	<b>24,085 MW</b>

### Maximum Demand Record

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

### Gas Usage

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

### Alternate Fuel Usage

### Set On Bus And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	21,052 MW
Spinning Reserve	1,351 MW
Maximum Demand	19,624 MW
Net Energy	412,804 MWH
Load Factor	88 %

### Generation Mix

Type	MWh	Percentage
ST-Coal	229,691	55.64 %
LSS	9,289	2.25 %
Hydro	15,829	3.83 %
Gas	157,945	38.26 %
Co-Gen	516	0.12 %
<b>Total Generation</b>	<b>413,270</b>	<b>100.11 %</b>
PLTG	153	0.04 %
HVDC	313	0.08 %
<b>Interconnection</b>	<b>466</b>	<b>0.11 %</b>
<b>Net Energy</b>	<b>412,804</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	98,500,136.68 RM
Cost per Unit	23.76 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	680
Hydro	346
Syncon	620
Thermal	175
<b>Total</b>	<b>1,821</b>

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	16914	16165	15445	14886	14590	14459	14592	14472	14937	16635	17300	17775	17809	17881	18775	19353	19624	18947	18119	18036	18675	19164	18977	18604

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 5:55:31 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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	14	130	330	521	711	878	997	1137	1154	1199	1189	1132	1158	1195	1128	1050	970	1012	846	719	539	361	153	43	1	0	0	0	0	0	0	0	0	0	0	0		
ESTL	ESTL	31	30	30	28	29	30	31	22	24	22	32	22	23	21	30	32	27	14	28	32	31	26	19	26	31	29	32	30	28	29	28	28	24	20	26	24	29	11	6	22	28	24	28	20	27	29	28	27			
PCUF	CUFG	21	21	21	21	20	20	21	20	21	21	21	21	21	20	21	20	18	17	18	20	20	20	19	19	18	18	19	19	18	17	18	19	19	20	19	20	19	20	21	21	21	21	21	21	21	21	21	20	20		
PCUF	CUFK	29	30	31	30	30	32	30	30	28	30	29	31	30	29	30	30	29	28	29	29	31	29	31	30	30	30	30	30	31	30	30	29	29	30	29	30	29	30	31	30	30	31	30	30	30	29	30	30			
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	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 NEDA Co-Gen		81	81	82	79	79	82	82	72	73	73	82	74	74	70	81	83	77	62	75	78	80	75	70	76	80	78	80	78	78	80	77	76	73	70	76	74	77	61	58	73	79	76	79	71	79	79	79	77	77		
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
Total Generation		16940	16476	16199	15816	15508	15253	14957	14812	14684	14604	14521	14615	14647	14730	14531	14528	14996	16111	16678	17048	17343	17639	17831	18024	17956	17721	17982	18337	18905	19384	19466	19604	19787	19737	19159	18636	18256	18043	18162	18350	18791	19306	19253	19243	19044	18652	18411	18087			
KHTC	BLK1	-41	-38	-39	-40	-40	-38	-40	-38	-39	-36	-38	-38	-36	-36	-37	-39	-42	-46	-51	-50	-52	-58	-64	-63	-61	-64	-65	-68	-68	-73	-74	-83	-90	-89	-83	-75	-75	-70	-65	-64	-58	-52	-51	-49	-48	-48	-51	-53			
Total Franchise Area		-41	-38	-39	-40	-40	-38	-40	-38	-39	-36	-38	-38	-36	-36	-37	-39	-42	-46	-51	-50	-52	-58	-64	-63	-61	-64	-65	-68	-68	-73	-74	-83	-90	-89	-83	-75	-75	-70	-65	-64	-58	-52	-51	-49	-48	-48	-51	-53			
Singapore		-41	-63	-31	-8	-5	-14	4	4	28	-14	-4	4	-8	18	-6	7	-8	-1	-34	-19	-36	-20	-35	4	61	-14	10	1	35	41	13	15	47	77	103	55	36	18	34	26	30	20	12	-23	-9	-9	5	3			
Thailand		29	31	28	29	32	31	31	31	30	30	31	31	30	30	31	31	29	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30	31	29	29	29	30	-245	-246	-247				
Interconnection		-12	-32	-2	21	26	17	34	34	58	16	27	36	22	47	25	38	21	30	-4	12	-5	11	-4	34	90	15	40	31	66	72	43	45	77	108	133	85	66	49	64	56	61	49	41	6	22	-255	-241	-244			
Total Demand		16914	16473	16165	15758	15445	15201	14886	14743	14590	14555	14459	14544	14592	14650	14472	14455	14937	16039	16635	16990	17300	17574	17775	17931	17809	17646	17881	18242	18775	19243	19353	19480	19624	19544	18947	18480	18119	17928	18036	18233	18675	19208	19164	19191	18977	18862	18604	18281			
SRev ST-Coal		128	142	148	145	186	167	289	287	242	309	283	217	232	206	300	282	297	224	206	190	206	268	235	186	203	148	179	157	168	165	149	138	138	151	199	182	193	188	194	134	127	158	144	146	149	181	133	152			
SRev CCGT-Gas		651	449	482	710	948	1322	1646	1781	1955	2114	2236	2197	2245	2190	2400	2576	2256	1369	1166	1105	931	697	938	857	976	1286	1092	1067	626	414	456	317	308	424	550	943	1138	1144	1112	996	747	549	522	545	810	1150	1150	869			
SRev Co-Gen		0	0	0	0	0	1	0	-2	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	0	0	1	0	0	0	0	0	-1	1	0	1	-1	0	0	0	0	-2	1	1			
Syncon		739	978	978	978	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	978	978	978	978	978	978	978	978	978	978	852	489	489	489	676	302	802	890	890	890	615	313	187	0	187	187	187	187	374	500				
Hydro		300	267	213	299	204	202	202	204	208	204	207	212	206	212	213	160	190	124	125	157	153	188	193	171	161	156	170	195	413	496	536	229	440	411	316	390	378	307	572	518	619	578	569	468	454	375	313				
S.Reserve Total		1818	1836	1821	2132	2417	2771	3216	3349	3480	3710	3802	3699	3768	3681	3991	4150	3792	2862	2575	2398	2272	2096	2340	2214	2328	2573	2404	2371	1841	1481	1591	1480	1351	1317	1962	2330	2612	2600	2229	2014	1579	1326	1431	1447	1614	1970	2033	1835			