

### Availability at Daily Maximum Demand Hour

ST-Coal	7,892 MW
ST-Gas	294 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,472 MW
Distillate	0 MW
Others	0 MW
Gas	8,980 MW
Co-Gen	0 MW
<b>Total System</b>	<b>21,228 MW</b>

### Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

### Gas Usage

Station	(mmscfd)
GLGR	34
SRDG	2
TJGS	129
CBPS	42
EMPP	284
KLPP	61
NPRI	136
PCGP	85
SGRI	81
SPGP	202
PKLG	8
<b>Total Gas</b>	<b>1,064</b>

### Alternate Fuel Usage

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

### Set On Bus And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	19,783 MW
Spinning Reserve	1,147 MW
Maximum Demand	18,663 MW
Net Energy	387,980 MWH
Load Factor	87 %

### Generation Mix

Type	MWh	Percentage
ST-Coal	195,216	50.32 %
ST-Gas	780	0.20 %
LSS	8,012	2.07 %
Hydro	24,837	6.40 %
Gas	158,435	40.84 %
Co-Gen	-544	-0.14 %
<b>Total Generation</b>	<b>386,736</b>	<b>99.68 %</b>
PLTG	-628	-0.16 %
HVDC	-616	-0.16 %
<b>Interconnection</b>	<b>-1,244</b>	<b>-0.32 %</b>
<b>Net Energy</b>	<b>387,980</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	99,436,630.11 RM
Cost per Unit	25.62 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	748
Hydro	431
Syncon	365
Thermal	203
<b>Total</b>	<b>1,747</b>

**Total Gas Required 1,064**

### 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	15317	14569	13880	13514	13286	13054	13466	13731	14194	15824	16666	16939	16828	16520	17304	17910	18083	18132	17224	17258	18660	18663	18228	17911

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, July 4, 2024 3:36:23 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 Hydro		558	332	326	320	271	278	243	240	295	262	242	298	296	325	341	296	548	581	582	690	828	1068	1117	1105	1038	1057	1059	1188	1258	1419	1355	1449	1712	1772	1809	1659	1677	1563	1567	1665	1992	1989	1984	1976	1901	1701	1695	1414				
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		
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	22	102	197	296	464	603	691	912	973	1113	1042	1068	1141	1151	1165	1147	1018	852	772	524	347	223	154	62	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	25	24	24	28	29	29	26	29	29	29	30	29	28	27	27	26	28	26	26	27	24	15	15	14	17	16	14	15	16	15	14	15	15	15	14	14	16	16	15	14	14	14	14	15	16	15	14	15	14			
PCUF	CUFK	13	13	13	14	12	13	14	12	13	14	14	14	15	14	14	16	16	14	13	14	12	12	10	9	7	4	5	4	4	2	4	6	7	6	7	6	7	6	7	7	6	6	7	7	7	8	11	11	10			
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	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		44	43	43	48	47	48	46	47	48	49	50	49	49	50	48	47	49	48	48	45	46	45	42	31	30	27	27	27	24	25	24	25	26	28	27	28	26	27	29	29	27	26	27	27	29	33	32	30				
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		15271	14804	14511	14262	13842	13789	13545	13285	13259	13068	13042	13215	13408	13722	13728	13743	14249	15205	15790	16274	16629	16819	16985	17031	16916	16624	16654	17094	17441	17823	17773	17920	18286	18373	18224	17758	17228	17014	17234	18142	18667	18702	18700	18413	18172	18008	17900	17492				
ESTL	ESTL	-2	-5	-6	-15	-18	-17	-11	0	-17	-25	-12	-9	-4	0	0	-3	-14	-4	-12	-16	-28	-17	-22	-26	-30	-28	-35	-33	-31	-26	-28	-31	-35	-35	-36	-37	-31	-30	-18	-27	-13	-15	-22	-8	-11	-8	-20	-16				
KHTC	BLK1	-35	-36	-34	-34	-32	-34	-32	-32	-30	-29	-26	-28	-28	-27	-28	-28	-29	-31	-34	-35	-39	-39	-41	-38	-43	-47	-49	-50	-52	-50	-53	-56	-59	-56	-58	-52	-52	-52	-49	-50	-48	-48	-45	-47	-45	-43	-44	-45				
Total Franchise Area		-37	-41	-40	-49	-50	-51	-43	-32	-47	-54	-38	-37	-32	-27	-28	-31	-43	-35	-46	-51	-67	-56	-63	-64	-73	-75	-84	-83	-83	-76	-81	-87	-94	-91	-94	-89	-83	-82	-67	-77	-61	-63	-67	-55	-56	-51	-64	-61				
Singapore		-109	-144	-126	-49	-55	-25	21	-36	-40	-43	-17	-24	-60	-41	1	11	44	-43	-46	-51	-71	-119	14	-48	49	-19	82	49	86	4	-187	-90	143	92	28	-14	-47	-20	-60	-48	-23	7	1	-41	-81	-85	-42	12				
Thailand		29	29	31	-30	-31	-28	-30	-31	-31	-31	-30	-28	-28	-29	-30	-31	-31	-30	-30	-30	-28	-30	-31	-30	-29	-29	-29	-31	-28	-28	-31	-29	-27	-29	-29	-29	-29	-28	-29	-28	-28	-28	-28	-28	-28	-30	-30	-30				
Interconnection		-80	-115	-95	-79	-85	-54	-9	-66	-71	-74	-47	-54	-87	-71	-28	-17	15	-74	-77	-82	-101	-149	-14	-79	18	-49	53	20	57	-27	-215	-118	112	64	1	-42	-76	-49	-88	-77	-51	-21	-27	-69	-109	-116	-72	-18				
Total Demand		15317	14881	14569	14295	13880	13795	13514	13322	13286	13091	13054	13235	13466	13769	13731	13732	14194	15247	15824	16308	16666	16915	16939	17049	16828	16601	16520	16994	17304	17777	17910	17954	18083	18221	18132	17714	17224	16984	17258	18145	18660	18663	18663	18430	18228	18076	17911	17452				
SRev ST-Coal		139	156	262	350	342	340	424	410	420	430	420	425	427	421	444	433	351	146	145	114	180	143	205	200	248	153	125	158	158	177	169	165	180	180	176	175	173	176	176	181	192	175	159	187	187	164	189	186				
SRev CCGT-Gas		1062	1285	1466	1626	2004	2067	2185	2462	2533	2681	2698	2577	2379	2202	2185	2352	2225	1611	1167	947	819	922	957	913	1071	1310	1286	1052	881	783	939	778	462	356	403	786	1462	1550	1381	512	353	416	431	665	748	676	575	542				
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	32	33	33	33	33	32	32	34	34	38	38	39	38	47	35	52	52	24	24	19	14	34	34	34				
SRev OCGT-Gas		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	94	37	36	36	0	0	0				
SRev Co-Gen		0	0	-1	0	0	2	0	0	0	1	0	0	0	-1	-1	-2	0	0	0	0	-1	1	-1	-2	0	-1	0	0	0	0	0	0	1	0	0	0	0	0	-1	1	0	-1	0	0	0	0	0					
Syncon		1142	991	1142	1142	1142	1142	1142	991	991	1142	1142	1142	1142	991	1142	1041	890	1041	953	953	676	827	827	676	827	827	500	374	187	313	126	0	0	0	0	0	0	0	0	0	313	0	0	0	0	0	187	187	374			
Hydro		119	271	126	132	181	174	209	212	308	341	210	154	156	127	262	156	105	223	95	162	135	337	137	142	360	215	213	561	624	650	588	681	544	634	597	747	729	843	839	503	489	492	497	480	555	568	424	356				
S.Reserve Total		2462	2703	2995	3250	3669	3725	3960	4226	4252	4444	4470	4298	4104	3891	3881	4081	3722	2870	2448	2176	2117	2110	2156	2111	2387	2537	2484	2304	2070	1829	2041	1784	1221	1208	1214	1747	2402	2615	2432	1561	1179	1144	1147	1387	1504	1629	1409	1492				