

### Availability at Daily Maximum Demand Hour

ST-Coal	10,896 MW
ST-Gas	294 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,414 MW
Distillate	0 MW
Others	0 MW
Gas	7,721 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,915 MW</b>
<b>Total System w/o solar</b>	<b>21,325 MW</b>

### Maximum Demand Record

Date: 7/25/2024	20,066 MW
Date: 7/25/2024	428,610 MWH

### Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	20,148 MW
Spinning Reserve	1,143 MW
Maximum Demand	18,921 MW
Net Energy	394,921 MWH
Load Factor	87 %
Operating Reserve	3,312 MW

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	158
EMPP	285
NPRI	129
PCGP	86
SGRI	46
SKSP	11
SPGP	103
<b>Total Gas</b>	<b>846</b>
<b>Total Gas Required</b>	<b>846</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	245,377	62.13 %
LSS	10,189	2.58 %
Hydro	11,644	2.95 %
Gas	128,283	32.48 %
Co-Gen	-910	-0.23 %
<b>Total Generation</b>	<b>394,583</b>	<b>99.91 %</b>
PLTG	-338	-0.09 %
<b>Interconnection</b>	<b>-338</b>	<b>-0.09 %</b>
<b>Net Energy</b>	<b>394,921</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	93,648,262.75 RM
Cost per Unit	23.64 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	637
Hydro	313
Syncon	835
Thermal	173
<b>Total</b>	<b>1,958</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	15589	14871	14253	13808	13457	13248	13718	13926	14472	15988	16669	17035	17086	16973	17980	18486	18775	18570	17705	17688	18778	18752	18208	17770

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 10:59:37 AM

(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	33	185	398	564	804	1044	1188	1172	1310	1310	1372	1305	1294	1251	1182	1214	1100	1023	908	734	534	301	145	29	0	0	0	0	0	0	0	0	0	0	0		
ESTL	ESTL	13	0	7	10	7	0	16	0	0	12	0	0	15	14	17	14	18	2	8	10	18	12	10	13	10	12	14	18	16	9	11	6	4	10	16	10	10	14	17	10	13	14	12	20	19					
PCUF	CUFG	9	11	10	10	10	12	13	13	14	12	13	12	13	13	12	13	12	13	12	12	13	10	10	12	11	12	11	10	11	10	10	10	10	10	10	10	10	10	11	11	9	9	11	10						
PCUF	CUFK	3	3	3	3	3	3	3	3	4	3	3	2	3	5	5	4	4	3	5	4	3	2	4	2	2	4	4	2	5	3	1	3	3	4	3	3	3	5	2	4	2	3	4	4	2	3	4	2		
Total NEDA Co-Gen		25	14	20	23	20	15	32	16	16	29	14	16	32	31	32	30	34	20	24	26	32	28	25	25	24	28	27	29	28	29	30	22	24	20	17	23	31	22	24	26	30	25	28	25	24	35	31			
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	
Total Generation		15592	15185	14784	14521	14273	14055	13827	13693	13487	13444	13263	13481	13812	14054	13994	13967	14435	15439	15964	16315	16651	16870	17046	17272	17210	17079	17148	17677	18039	18478	18650	18728	18860	19086	18669	18225	17796	17456	17737	18613	18839	18873	18807	18608	18264	18187	17779	17499		
KHTC	BLK1	-50	-49	-48	-50	-49	-46	-46	-45	-45	-46	-44	-45	-48	-50	-50	-52	-56	-60	-61	-64	-65	-66	-68	-70	-70	-73	-75	-80	-83	-84	-81	-90	-84	-85	-88	-82	-80	-75	-71	-68	-66	-62	-61	-62	-60	-57	-58			
Total Franchise Area		-50	-49	-48	-50	-49	-46	-46	-45	-45	-46	-44	-45	-48	-50	-50	-52	-56	-60	-61	-64	-65	-66	-68	-70	-70	-73	-75	-80	-83	-84	-81	-90	-84	-85	-88	-82	-80	-75	-71	-68	-66	-62	-61	-62	-60	-57	-58			
Singapore		-44	-73	-132	-43	-26	21	-24	19	-12	-9	-28	34	52	51	21	-63	-86	-87	-81	-93	-79	-104	-52	-52	57	39	105	93	-18	50	83	-45	-2	84	17	1	12	-24	-23	-87	-4	10	-4	-53	-3	-23	-45	-3		
Thailand		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	
Interconnection		-44	-73	-132	-43	-26	21	-24	19	-12	-9	-28	34	52	51	21	-63	-86	-87	-81	-93	-79	-104	-52	-52	57	39	105	93	-18	50	83	-45	-2	84	17	1	12	-24	-23	-87	-4	10	-4	-53	-3	-23	-45	-3		
Total Demand		15589	15212	14871	14517	14253	13991	13808	13632	13457	13410	13248	13406	13718	13958	13926	13983	14472	15473	15988	16350	16669	16912	17035	17259	17086	16973	16973	17512	17980	18348	18486	18695	18775	18921	18570	18139	17705	17403	17688	18632	18778	18800	18752	18603	18208	18153	17770	17447		
SRev ST-Coal		385	465	617	638	656	649	699	698	714	695	812	803	707	646	639	691	556	322	200	144	155	185	146	145	167	171	156	165	144	150	160	147	162	164	227	157	205	181	188	201	205	232	165	185	213	173	194	152		
SRev CCGT-Gas		767	634	878	1059	1267	1389	1437	1553	1748	1857	1928	1712	1600	1627	1754	1917	1924	1610	1542	1520	1417	1297	1087	1016	1043	1237	1115	420	390	291	283	284	276	356	262	405	562	742	547	152	210	196	218	211	213	307	485	347		
SRev Co-Gen		0	0	0	0	0	0	0	2	0	0	0	2	-2	-1	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	-1
Syncon		1213	1213	1213	1062	1213	1213	1213	1213	1062	1213	1213	1213	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1112	1112	562	562	562	562	8	285	598	1024	1125	938	562	411	411	499	837	1024	873	974	974		
Hydro		258	129	89	255	129	129	136	129	285	185	184	179	147	119	147	154	149	126	125	136	134	131	134	115	128	122	127	208	146	367	335	336	242	615	694	339	260	205	224	247	452	509	515	374	320	435	467	382		
S.Reserve Total		2623	2441	2797	3014	3265	3380	3485	3593	3811	3950	4137	3907	3669	3704	3853	4076	3943	3372	3181	3114	3020	2927	2681	2590	2652	2844	2712	1905	1792	1371	1340	1329	1242	1143	1468	1500	2051	2253	1897	1162	1278	1348	1397	1607	1770	1788	2120	1854		