

### Availability at Daily Maximum Demand Hour

ST-Coal	10,122 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	1,779 MW
Distillate	0 MW
Others	0 MW
Gas	9,706 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,787 MW</b>
<b>Total System w/o solar</b>	<b>22,197 MW</b>

### Maximum Demand Record

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

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	30	<b>Total</b>	<b>0</b>
SRDG	10		
TJGS	149		
EMPP	233		
KLPP	37		
NPRI	131		
PCGP	76		
PGLA	90		
SKSP	48		
SPGP	179		
<b>Total Gas</b>	<b>983</b>		

### Alternate Fuel Usage

### Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	20,180 MW
Spinning Reserve	1,446 MW
Maximum Demand	18,782 MW
Net Energy	403,031 MWH
Load Factor	89 %
Operating Reserve	3,415 MW

### Generation Mix

Type	MWh	Percentage
ST-Coal	236,498	58.68 %
LSS	8,093	2.01 %
Hydro	11,567	2.87 %
Gas	145,566	36.12 %
Co-Gen	236	0.06 %
<b>Total Generation</b>	<b>401,960</b>	<b>99.73 %</b>
PLTG	-547	-0.14 %
HVDC	-524	-0.13 %
<b>Interconnection</b>	<b>-1,071</b>	<b>-0.27 %</b>
<b>Net Energy</b>	<b>403,031</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	96,957,596.50 RM
Cost per Unit	24.08 cents/kWH

**Total Gas Required 983**

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,636
Hydro	233
Syncon	511
Thermal	204
<b>Total</b>	<b>2,584</b>

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	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	16513	15797	15258	14815	14424	14262	14651	14556	14854	16387	17295	17655	17537	17124	17570	18166	18500	18412	17507	17888	18769	18679	18168	17658

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 27, 2024 11:28:21 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Tuesday

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		408	428	313	308	313	309	262	267	277	262	261	260	326	300	264	245	270	249	255	294	256	274	266	299	294	302	296	350	413	529	530	530	596	753	747	589	564	565	724	971	1024	1001	917	838	791	854	803	830					
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		
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	72	229	377	544	609	708	637	747	865	756	930	1086	1264	1232	1246	1044	1034	961	666	515	400	208	61	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	12	7	12	23	24	22	22	12	8	20	18	28	19	19	18	11	19	18	21	23	25	24	24	12	6	18	9	17	13	15	17	13	2	11	3	20	12	8	10	10	20	19	11	18	22	20	23	23					
KHTC	BLK1	3	2	4	3	2	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	10	11	11	10	14	15	16	15	14	15	15	14	16	15	15	13	16	14	15	15	14	15	13	12	13	12	13	13	13	12	13	13	13	13	13	14	15	15	13	14	14	14	14	14	14	14	15	15	15	15			
PCUF	CUFK	14	12	13	14	14	14	14	13	15	16	15	16	16	15	14	15	15	13	13	11	11	10	9	5	6	5	6	6	5	5	5	5	6	4	6	6	7	6	6	7	10	10	10	11	11	11	12	11	12				
Total NEDA Co-Gen		39	32	40	50	54	52	53	40	37	51	48	58	51	49	47	39	50	45	49	49	50	49	46	29	25	35	28	36	31	32	35	31	21	28	22	39	33	29	31	30	44	43	35	43	47	47	49	50					
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	
Total Generation		16457	16053	15749	15427	15215	14921	14775	14599	14416	14300	14266	14293	14614	14811	14547	14414	14802	15815	16396	16913	17312	17509	17589	17763	17581	17437	17199	17630	17597	18011	18078	18417	18485	18614	18375	17965	17516	17388	17835	18704	18763	18750	18659	18371	18126	17823	17609	17193					
KHTC	BLK1	0	0	0	0	0	0	-8	-13	-12	-14	-13	-14	-16	-17	-17	-23	-35	-76	-81	-78	-78	-78	-75	-76	-73	-75	-73	-44	-48	-48	-65	-29	-19	-31	-29	-26	-23	-21	-19	-20	-19	-19	-15	-15	-16	-14	-12						
Total Franchise Area		0	0	0	0	0	0	-8	-13	-12	-14	-13	-14	-16	-17	-17	-23	-35	-76	-81	-78	-78	-78	-75	-76	-73	-75	-73	-44	-48	-48	-65	-29	-19	-31	-29	-26	-23	-21	-19	-20	-19	-19	-15	-15	-16	-14	-12						
Singapore		-25	-2	-16	3	-12	-13	-7	-5	12	8	22	16	-48	-15	-23	-7	-72	-102	-64	-83	-58	-104	-141	20	1	93	32	99	15	-69	-105	-50	-13	-24	-35	55	15	-44	-41	-41	7	-20	-7	-44	-26	-106	-29	-38					
Thailand		-28	-31	-29	-28	-28	-31	-31	-28	-31	-28	-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-28	-30	-31	-29	-30	-28	-28	-28	-28	-30	-30	-29	-28	-30	-28	-30	-27	-29	-30	-28	-28	-30	-28				
Interconnection		-53	-33	-45	-25	-40	-44	-37	-33	-18	-20	-7	16	-48	-15	-23	-7	-72	-102	-64	-83	-58	-104	-141	-9	-29	62	3	68	-14	-97	-133	-79	-41	-54	-65	24	-14	-72	-71	-69	-23	-48	-36	-74	-54	-135	-60	-66					
Total Demand		16513	16089	15797	15455	15258	14968	14815	14627	14424	14311	14262	14267	14651	14813	14556	14407	14854	15885	16387	16918	17295	17538	17655	17700	17537	17305	17124	17492	17570	18063	18166	18434	18500	18652	18412	17915	17507	17440	17888	18757	18769	18782	18679	18433	18168	17945	17658	17250					
SRev ST-Coal		198	188	211	238	365	411	456	562	742	775	780	781	723	623	614	731	663	496	267	214	199	189	190	202	184	194	201	163	189	196	231	201	193	185	216	220	199	210	267	209	226	197	199	219	190	196	219	199					
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	0	0	0	0	0	0	0	0	0	0		
SRev CCGT-Gas		2301	2552	2626	2877	2857	2921	2845	2843	2845	2835	2876	2852	2749	2713	2945	2949	2832	2398	2368	2209	1887	1646	1664	1845	2053	2309	2546	2531	2465	2254	2024	1800	1725	1473	1520	1700	1945	1787	1354	589	604	652	649	941	1272	1392	1248	1702					
SRev Co-Gen		0	1	-1	0	1	1	0	0	0	0	0	1	-1	-1	-3	-1	0	1	0	-1	0	-1	0	0	0	0	0	0	1	-1	0	0	-3	-1	0	0	-1	0	-1	0	1	0	0	-1	1	0	-2						
Syncon		617	466	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718	718				
Hydro		224	355	168	173	168	172	169	164	154	169	170	171	105	131	318	186	161	182	176	137	175	308	165	220	225	217	223	270	358	303	302	302	236	79	236	243	180	179	270	111	169	168	252	331	290	227	278	402					
S.Reserve Total		3340	3562	3722	4006	4109	4223	4188	4287	4459	4497	4544	4522	4296	4184	4443	4581	4373	3794	3530	3278	2978	2710	2736	2926	3095	3353	3604	3495	3391	3184	2986	2734	2583	2163	2247	2590	2841	2691	2407	1336	1427	1446	1528	1919	2267	2332	2261	2666					