

### Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	1,779 MW
Distillate	0 MW
Others	0 MW
Gas	9,170 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,451 MW</b>
<b>Total System w/o solar</b>	<b>21,861 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:	20:30:00 Hour
Total Set On Bus	19,623 MW
Spinning Reserve	1,485 MW
Maximum Demand	18,157 MW
Net Energy	389,850 MWH
Load Factor	89 %
Operating Reserve	3,704 MW

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	<b>Total</b>	<b>0</b>
TJGS	151		
EMPP	238		
KLPP	34		
NPRI	64		
PCGP	74		
PGLA	91		
SGRI	32		
SKSP	48		
SPGP	173		
<b>Total Gas</b>	<b>935</b>		

### Alternate Fuel Usage

### Generation Mix

Type	MWh	Percentage
ST-Coal	231,256	59.32 %
LSS	6,761	1.73 %
Hydro	13,672	3.51 %
Gas	136,239	34.95 %
Co-Gen	568	0.15 %
<b>Total Generation</b>	<b>388,496</b>	<b>99.65 %</b>
PLTG	-653	-0.17 %
HVDC	-701	-0.18 %
<b>Interconnection</b>	<b>-1,354</b>	<b>-0.35 %</b>
<b>Net Energy</b>	<b>389,850</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	93,067,116.84 RM
Cost per Unit	23.92 cents/kWH

**Total Gas Required 935**

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,695
Hydro	231
Syncon	602
Thermal	209
<b>Total</b>	<b>2,737</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Cloudy	25

### 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	16055	15304	14759	14266	13931	13734	14186	14370	14660	16027	16667	16882	16637	16451	17171	17876	18063	17717	16893	17290	18082	17920	17379	16876

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 27, 2024 11:33:22 AM

(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 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																												
Total 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																												
ESTL	ESTL	19	22	7	17	10	13	18	17	7	4	15	17	17	22	20	16	11	22	17	18	18	28	23	22	23	20	22	18	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	23	18	14					
KHTC	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	15	13	11	12	10	14	14	13	14	13	15	18	14	19	20	18	22	21	17	14	14	12	13	15	13	14	14	13	14	14	11	16	19	19	19	19	19	19	19	19	21	19	19	18	18	18	20	20	15	16			
PCUF	CUFK	17	18	17	17	18	19	18	17	17	17	16	17	17	17	17	16	15	16	17	17	17	16	16	15	14	13	14	13	12	9	11	11	12	13	14	13	16	18	16	16	16	16	17	16	16	16	17	16	17	16	17		
Total NEDA Co-Gen		51	53	35	46	38	46	50	47	38	34	46	52	48	58	57	50	48	59	51	49	49	56	52	52	53	47	50	44	35	32	31	36	40	41	42	41	44	46	46	44	44	44	43	43	45	60	49	47					
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		15922	15602	15269	14866	14675	14440	14263	13997	13893	13802	13775	13959	14099	14349	14298	14185	14587	15430	15832	16149	16571	16685	16737	16824	16635	16464	16338	16794	17055	17694	17885	18078	18154	18121	17747	17390	16973	16826	17279	18096	18108	18175	17934	17797	17367	17198	16837	16604					
KHTC	BLK1	-12	-10	-9	-10	-9	-10	-10	-8	-9	-7	-7	-7	-10	-12	-10	-11	-13	-16	-22	-23	-21	-26	-26	0	-7	-8	-33	-41	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-14	-13	-12		
Total Franchise Area		-12	-10	-9	-10	-9	-10	-10	-8	-9	-7	-7	-7	-10	-12	-10	-11	-13	-16	-22	-23	-21	-26	-26	0	-7	-8	-33	-41	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-40	-14	-13	-12
Singapore		-114	47	-12	14	-59	-47	20	-39	-15	-10	65	-13	-62	-42	-52	-80	-52	-58	-180	-125	-86	-81	-139	-45	29	31	-90	-140	-124	-55	2	97	84	-10	22	67	72	4	-19	5	18	11	7	-2	-20	-47	-19	-62					
Thailand		-28	-31	-28	-31	-31	-30	-30	-28	-28	-28	-28	-28	-29	-30	-30	-28	-28	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-28	-29	-29			
Interconnection		-142	16	-41	-17	-90	-77	-10	-68	-43	-38	37	-42	-91	-71	-81	-110	-81	-86	-208	-154	-116	-110	-168	-73	1	2	-118	-169	-154	-85	-28	67	54	-40	-7	37	43	-26	-48	-24	-11	-19	-23	-31	-49	-76	-49	-91					
Total Demand		16055	15579	15304	14876	14759	14510	14266	14058	13931	13834	13734	13997	14186	14413	14370	14288	14660	15506	16027	16284	16667	16777	16882	16874	16637	16458	16451	16933	17171	17742	17876	17974	18063	18124	17717	17316	16893	16815	17290	18083	18082	18157	17920	17791	17379	17263	16876	16686					
SRev ST-Coal		268	243	307	790	814	808	840	869	873	888	824	861	838	843	831	852	868	624	353	272	205	189	190	195	197	274	274	276	243	189	191	190	198	170	208	287	265	150	182	217	224	182	200	186	198	199	177	202					
SRev CCGT-Gas		2500	2847	3115	2959	2960	3099	3206	3002	3025	3104	3198	3075	2949	2737	2737	2839	2791	2736	2700	2662	2469	2635	2736	2702	2872	2960	2954	2443	2397	1580	1385	973	747	713	994	1386	1723	1892	1394	705	679	603	850	1032	1487	1584	1946	2164					
SRev Co-Gen		0	-1	0	0	0	0	-1	-2	0	-1	0	-1	0	-2	1	1	0	1	1	-2	-1	-1	0	1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0				
Syncon		602	451	602	602	602	451	602	703	703	703	703	703	703	703	703	703	553	805	804	804	804	805	804	804	804	804	804	718	717	717	718	717	617	617	617	617	704	603	603	603	603	365	516	516	516	516	365	516	516	516	516		
Hydro		223	359	224	162	162	362	250	171	168	246	258	175	172	295	99	107	98	94	150	188	158	152	223	222	177	160	109	110	63	82	107	135	214	232	142	118	125	119	124	257	133	184	159	158	294	109	119	107					
S.Reserve Total		3593	3899	4248	4513	4538	4720	4897	4743	4769	4940	4983	4813	4662	4426	4473	4603	4561	4259	4009	3924	3636	3779	3953	3924	4049	4112	4054	3546	3422	2568	2300	1915	1776	1732	2048	2394	2716	2764	2303	1544	1552	1485	1725	1892	2344	2408	2757	2989					