

### Availability at Daily Maximum Demand Hour

ST-Coal	8,932 MW
ST-Gas	514 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,319 MW
Distillate	0 MW
Others	0 MW
Gas	8,562 MW
Co-Gen	0 MW
<b>Total System</b>	<b>21,917 MW</b>
<b>Total System w/o solar</b>	<b>20,327 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	50	<b>Total</b>	<b>0</b>
SRDG	9		
TJGS	183		
EMPP	285		
KLPP	68		
NPRI	141		
PCGP	83		
SGRI	121		
SPGP	99		
PKLG	61		
<b>Total Gas</b>	<b>1,099</b>		

### Alternate Fuel Usage

### Set On Bus And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	20,452 MW
Spinning Reserve	1,358 MW
Maximum Demand	18,947 MW
Net Energy	394,389 MWH
Load Factor	87 %
Operating Reserve	2,207 MW

### Generation Mix

Type	MWh	Percentage
ST-Coal	214,279	54.33 %
ST-Gas	5,981	1.52 %
LSS	9,760	2.47 %
Hydro	15,146	3.84 %
Gas	152,796	38.74 %
Co-Gen	-3,178	-0.81 %
<b>Total Generation</b>	<b>394,784</b>	<b>100.10 %</b>
PLTG	-325	-0.08 %
HVDC	720	0.18 %
<b>Interconnection</b>	<b>395</b>	<b>0.10 %</b>
<b>Net Energy</b>	<b>394,389</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	96,069,740.82 RM
Cost per Unit	24.11 cents/kWH

**Total Gas Required 1,099**

### Average Spinning Reserve During Peak Hour

Type	MW
GT	528
Hydro	313
Syncon	881
Thermal	237
<b>Total</b>	<b>1,959</b>

Time	Weather	Temperature
Afternoon	Hot	33
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	15466	14774	14137	13804	13429	13281	13730	13814	14286	15965	16802	17423	17348	17040	17852	18585	18947	18530	17461	17390	18711	18693	18169	17785

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024  
11:03:37 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
UJLI	HYDR	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Total Hydro		383	399	289	290	289	356	537	633	626	642	602	603	615	613	521	519	564	524	448	446	514	478	455	456
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
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	22	150	328	520	808	1022	1071	1143	1262	1319	1350
ESTL	ESTL	0	0	0	2	0	0	0	0	7	0	0	0	10	7	4	0	0	0	0	0	0	0	0	0
PCUF	CUGF	3	3	2	2	3	3	4	3	2	3	3	4	2	3	3	4	2	3	3	4	2	2	3	4
PCUF	CUFK	13	14	14	14	14	14	13	14	13	14	13	14	12	14	14	13	14	12	11	9	7	7	8	7
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total NEDA Co-Gen		20	21	20	22	21	21	21	21	19	27	21	21	20	30	26	24	21	21	20	19	18	17	13	21
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
Total Generation		15533	15241	14886	14771	14250	14138	13936	13767	13538	13501	13420	13557	13863	14142	14008	14010	14455	15520	16096	16524	16993	17171	17475	
ESTL	ESTL	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	-6	-4	0	0	0	0	-9	0
KHTC	BLK1	-144	-144	-140	-141	-143	-143	-143	-140	-140	-139	-139	-140	-141	-142	-144	-144	-148	-151	-150	-154	-157	-158	-153	-158
Total Franchise Area		-144	-144	-140	-141	-145	-143	-143	-140	-140	-139	-139	-140	-141	-142	-144	-144	-148	-151	-150	-160	-161	-158	-153	-158
Singapore		-104	-98	-55	-31	-59	-39	-38	35	-58	-16	-27	-12	-34	2	22	28	-7	-30	-46	-91	2	-65	-129	
Thailand		30	30	29	29	30	30	31	31	30	30	30	30	29	30	31	31	31	31	31	31	31	29	29	30
Interconnection		-74	-68	-25	-2	-29	-9	-8	65	-28	14	3	18	-5	31	53	59	24	0	-16	-60	33	-34	-98	
Total Demand		15466	15168	14774	14635	14137	14007	13804	13565	13429	13351	13281	13402	13730	13972	13814	13810	14286	15372	15965	16427	16802	17050	17423	
SRev ST-Coal		201	214	199	206	202	213	563	557	583	609	603	598	583	572	537	488	505	484	323	186	170	225	196	
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
SRev CCGT-Gas		925	1221	1480	1591	2114	2308	2272	2401	2547	2530	2707	2611	2377	2312	2549	2646	2365	1472	1244	1259	1048	859	598	
SRev ST-Gas		0	0	0	0	0	31	31	33	34	36	39	39	39	39	58	59	59	62	63	64	64	64	66	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	-1	-1	0	0	0	0	0	-1	-1	0	0	-1	0	
Syncon		1167	1167	1268	1268	1268	1167	1167	1016	1167	1167	1016	1016	1167	1167	1167	1167	1167	1016	1016	1167	1167	865	1167	
Hydro		200	184	193	192	193	227	146	201	57	41	81	231	219	271	162	164	119	159	235	237	320	356	228	
S.Reserve Total		2493	2786	3140	3257	3777	3946	4179	4208	4388	4383	4597	4494	4233	4210	4454	4523	4215	3341	3028	2911	2616	2518	2253	