

### Availability at Daily Maximum Demand Hour

ST-Coal	11,022 MW
ST-Gas	294 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,512 MW
Distillate	0 MW
Others	0 MW
Gas	8,237 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,655 MW</b>
<b>Total System w/o solar</b>	<b>22,065 MW</b>

### Maximum Demand Record

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

### Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	171
EMPP	292
KLPP	2
NPRI	135
PCGP	87
SGRI	86
SPGP	68
PKLG	21
<b>Total Gas</b>	<b>891</b>

### Alternate Fuel Usage

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

### Set On Bus And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	20,161 MW
Spinning Reserve	1,196 MW
Maximum Demand	19,010 MW
Net Energy	407,677 MWH
Load Factor	89 %
Operating Reserve	3,055 MW

### Generation Mix

Type	MWh	Percentage
ST-Coal	255,737	62.73 %
ST-Gas	2,003	0.49 %
LSS	8,669	2.13 %
Hydro	11,145	2.73 %
Gas	130,833	32.09 %
Co-Gen	-955	-0.23 %
<b>Total Generation</b>	<b>407,432</b>	<b>99.94 %</b>
PLTG	-245	-0.06 %
<b>Interconnection</b>	<b>-245</b>	<b>-0.06 %</b>
<b>Net Energy</b>	<b>407,677</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	92,746,435.29 RM
Cost per Unit	22.68 cents/kWH

**Total Gas Required 891**

### Average Spinning Reserve During Peak Hour

Type	MW
GT	736
Hydro	394
Syncon	872
Thermal	207
<b>Total</b>	<b>2,209</b>

Time	Weather	Temperature
Afternoon	Sunny	32
Morning	Cloudy	27

### 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	17151	16427	15811	15247	14931	14706	14588	14815	14956	16401	17264	17567	17388	17012	17516	18268	18536	18454	17632	17816	19010	18892	18359	18189

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 11:09:57 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Friday

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		479	345	302	191	215	214	245	197	195	193	193	213	222	200	202	274	186	227	266	335	282	263	242	243	242	246	298	324	327	307	601	820	790	505	503	528	580	1158	1363	1344	1256	1034	856	776	756	770					
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		
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	24	115	239	313	457	686	909	977	1029	1197	1143	1165	1145	1199	1129	1143	1006	874	827	678	553	335	174	34	3	0	0	0	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	16	3	6	0	9	12	15	15	14	14	10	10	3	15	18	8	19	20	15	12	0	0	14	15	5	14	12	0	0	10	10	8	0	0	6	0	0	2	9	10	4	9	0	0	0	0	6	8			
PCUF	CUFK	8	9	8	9	9	8	8	10	9	7	8	9	9	8	6	8	9	8	8	8	8	7	7	8	8	7	7	8	8	8	6	8	6	6	7	8	7	6	8	7	7	7	7	7	7	7	9	6			
PCUF	CUFG	2	4	4	3	2	4	2	4	3	3	3	3	3	2	3	3	2	3	2	3	3	1	3	3	4	3	3	3	3	2	4	3	3	4	6	3	1	2	3	3	2	3	4	2	3	3	2				
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
Total NEDA Co-Gen		31	21	23	17	25	29	30	34	31	29	26	27	20	31	31	24	36	35	31	27	16	15	27	31	21	30	27	16	16	26	23	25	14	14	22	19	15	14	24	25	19	23	15	16	14	15	23	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	0	0	0	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		17172	16657	16470	16177	15814	15573	15286	15071	14982	14912	14730	14650	14590	14986	14898	14625	14954	15794	16380	16861	17271	17438	17603	17605	17407	17177	17078	17413	17606	17863	18304	18489	18682	18890	18634	18250	17754	17636	17875	18882	19040	19029	18938	18748	18482	18406	18259	18117			
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KHTC	BLK1	-46	-45	-42	-45	-43	-43	-45	-43	-43	-46	-44	-44	-44	-48	-50	-47	-47	-51	-78	-75	-75	-71	-68	-69	-71	-71	-70	-67	-62	-69	-71	-73	-73	-78	-90	-88	-83	-83	-81	-79	-78	-74	-73	-71	-71	-68	-69	-70			
Total Franchise Area		-46	-45	-42	-45	-43	-43	-45	-43	-43	-46	-44	-44	-44	-48	-50	-47	-47	-51	-78	-75	-75	-71	-68	-69	-71	-71	-70	-67	-62	-69	-71	-73	-73	-78	-90	-88	-83	-83	-81	-79	-78	-74	-73	-71	-71	-68	-69	-70			
Singapore		-22	-143	4	9	-37	-12	-3	-45	11	37	-17	-3	-39	-17	36	-41	-46	-48	-96	-75	-65	-52	-29	-52	-49	-16	-1	166	31	-102	-32	3	76	78	93	4	42	60	-19	-70	-45	-16	-24	-9	54	-31	4	60			
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		-22	-143	4	9	-37	-12	-3	-45	11	37	-17	-3	-39	-17	36	-41	-46	-48	-96	-75	-65	-52	-29	-52	-49	-16	-1	166	31	-102	-32	3	76	78	93	4	42	60	-19	-70	-45	-16	-24	-9	54	-31	4	60			
Total Demand		17151	16758	16427	16126	15811	15545	15247	15076	14931	14832	14706	14612	14588	14958	14815	14622	14956	15794	16401	16864	17264	17422	17567	17591	17388	17125	17012	17183	17516	17899	18268	18416	18536	18737	18454	18161	17632	17496	17816	18876	19010	18974	18892	18689	18359	18372	18189	17990			
S.Rev ST-Coal		178	227	207	236	214	212	369	483	463	472	549	557	549	550	568	743	716	330	235	168	192	203	191	168	177	168	164	174	171	171	234	201	182	213	195	193	198	202	212	187	200	189	195	160	194	185	199	193			
S.Rev CCGT-Gas		850	946	888	880	1296	1542	1704	1761	1862	1922	1988	1887	1799	1619	1699	2015	1946	1634	1364	1444	1155	1180	1086	1164	1510	1704	1851	1466	1308	962	522	295	292	225	328	419	905	958	631	197	222	229	218	222	264	270	391	408			
S.Rev ST-Gas		38	39	38	38	39	39	39	39	39	39	38	38	39	39	39	38	38	38	38	38	38	39	39	39	38	39	36	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
S.Rev Co-Gen		-1	0	-1	0	0	-1	0	1	0	2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		1212	1212	1212	1313	1313	1162	1313	1162	1312	1313	1313	1313	1312	1313	1313	1313	1313	1313	1313	1162	1313	1162	1313	1313	1313	1313	1313	1313	1313	1162	924	649	498	1111	1111	1111	1111	1111	1111	411	159	159	159	623	785	1024	1024	1035			
Hydro		375	204	247	157	133	285	103	152	154	155	155	135	127	148	146	74	162	121	82	304	166	336	206	205	206	206	206	182	150	124	121	292	236	205	548	220	222	197	145	417	615	634	722	480	496	321	341	316			
S.Reserve Total		2652	2628	2591	2624	2995	3239	3528	3598	3830	3903	4043	3930	3826	3669	3766	4184	4175	3436	3032	3116	2864	2919	2835	2888	3244	3428	3571	3171	2975	2570	2188	1949	1634	1292	1569	1943	2436	2469	2097	1211	1196	1210	1294	1485	1739	1798	1953	1952			