

### Availability at Daily Maximum Demand Hour

ST-Coal	8,765 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,640 MW
Hydro	2,106 MW
Distillate	0 MW
Others	0 MW
Gas	8,994 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,095 MW</b>
<b>Total System w/o solar</b>	<b>20,455 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:	19:30:00 Hour
Total Set On Bus	20,374 MW
Spinning Reserve	1,807 MW
Maximum Demand	18,600 MW
Net Energy	390,810 MWH
Load Factor	88 %
Operating Reserve	1,855 MW

### Gas Usage

Station	(mmscfd)
TJGS	74
CBPS	42
EMPP	270
KLPP	40
NPRI	137
PCGP	71
PGLA	93
SGRI	16
SKSP	16
SPGP	92
<b>Total Gas</b>	<b>850</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	223,440	57.17 %
LSS	10,086	2.58 %
Hydro	16,223	4.15 %
Gas	138,515	35.44 %
Co-Gen	1,464	0.37 %
<b>Total Generation</b>	<b>389,728</b>	<b>99.72 %</b>
PLTG	-389	-0.10 %
HVDC	-693	-0.18 %
<b>Interconnection</b>	<b>-1,082</b>	<b>-0.28 %</b>
<b>Net Energy</b>	<b>390,810</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	93,950,583.30 RM
Cost per Unit	24.10 cents/kWH

**Total Gas Required 850**

### Average Spinning Reserve During Peak Hour

Type	MW
GT	987
Hydro	310
Syncon	743
Thermal	214
<b>Total</b>	<b>2,254</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	15624	14768	14210	13717	13343	13255	13628	13789	14405	16014	16671	17032	17127	16842	17602	18212	18508	18086	17273	17861	18580	18367	17850	17279

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 16, 2024 9:09:54 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	99	86	90	125	89	92	-2	-2	-2	-2	93	94	170	90	-2	-2	-2	-2	-2	-2	-2	-2	99	201	176	101	89	107	87	86	-2	-2	-2	87	90	131	97	118	186	226	178	88									
Total Hydro		983	908	879	683	625	631	530	467	394	372	325	423	454	711	443	341	318	305	347	392	338	389	339	341	330	378	363	425	656	847	802	764	863	950	910	754	672	648	869	1010	958	1022	984	1153	1355	1298	1173	934			
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	
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	2	61	188	443	625	659	1085	1211	1287	1348	1407	1383	1420	1392	1286	1226	1264	1184	967	715	473	354	158	51	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	0	6	0	10	0	0	0	0	13	0	12	15	9	14	15	11	12	12	9	11	12	13	13	12	15	13	0	8	9	6	12	11	11	12	10	10	12	15	14	12	13	8	12	8	6	6	0				
KHTC	BLK1	19	21	19	23	27	22	23	24	27	25	27	23	26	25	5	8	3	16	13	9	5	25	18	14	25	26	18	18	24	23	26	22	20	21	25	25	24	28	13	4	10	8	9	10	13	15	14	13			
PCUF	CUFG	16	15	18	16	18	17	17	17	16	16	18	15	16	17	17	16	17	17	15	15	16	16	16	16	15	16	16	16	13	15	16	16	16	16	16	16	14	15	16	16	15	16	17	18	19	18					
PCUF	CUFK	21	21	22	22	22	22	21	22	20	21	21	22	23	21	22	22	19	17	17	16	17	14	14	12	13	12	12	13	12	13	12	13	12	13	14	13	14	12	16	17	18	20	21	20	21	21	20				
Total NEDA Co-Gen		56	63	59	71	67	61	61	63	63	75	66	72	80	72	58	61	52	67	59	50	49	69	64	57	66	68	60	45	60	60	61	59	59	60	66	65	63	70	54	49	55	55	52	59	58	60	60	51			
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	
Total Generation		15585	15103	14724	14419	14127	13962	13677	13504	13309	13204	13168	13287	13596	13952	13745	13859	14382	15438	15973	16315	16642	16948	17007	17127	17160	16835	16721	17054	17478	17844	18169	18335	18453	18516	18086	17713	17265	17227	17870	18564	18501	18472	18309	18106	17773	17597	17219	16788			
Total Franchise Area		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Singapore		-7	17	-12	-26	-51	7	-8	-59	-2	14	-55	-20	0	24	-12	21	9	4	-9	-25	3	20	7	22	65	-3	-89	-107	-92	-130	-12	68	-23	-14	32	-12	23	-33	41	-4	-48	-39	-26	-68	-46	-58	-28	-40			
Thailand		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-28	-28	-28	-28	-28	-29	-29			
Interconnection		-36	-12	-41	-55	-80	-22	-37	-88	-31	-15	-84	-49	-29	-5	-41	-8	-20	-25	-38	-54	-26	-9	-22	-7	36	-32	-118	-136	-121	-159	-40	40	-52	-44	3	-42	-5	-61	12	-33	-76	-67	-55	-97	-74	-86	-57	-69			
Total Demand		15624	15118	14768	14477	14210	13987	13717	13595	13343	13222	13255	13339	13628	13960	13789	13870	14405	15466	16014	16372	16671	16960	17032	17137	17127	16870	16842	17193	17602	18006	18212	18298	18508	18563	18086	17758	17273	17291	17861	18600	18580	18542	18367	18206	17850	17686	17279	16860			
S.Rev ST-Coal		342	273	309	456	495	476	591	632	630	613	636	631	695	673	663	593	555	442	246	260	249	257	160	213	305	270	245	239	309	337	169	174	207	124	154	1	55	16	-59	156	174	204	237	130	161	135	174	179			
S.Rev CCGT-Gas		1377	1802	2116	2089	2356	2477	2547	2421	2493	2500	2427	2501	2461	2465	2486	2486	2363	1854	1744	1458	1585	964	945	938	1113	1599	1752	1494	1210	1047	1019	828	589	579	613	838	1128	1252	1214	776	787	720	739	935	958	1105	1369	1322			
S.Rev Co-Gen		0	0	0	2	0	0	0	1	0	0	0	-1	-1	0	0	0	1	0	-2	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		615	615	703	703	703	703	890	890	840	991	1092	905	754	716	817	1092	1092	1092	1092	1092	1092	941	1092	1092	1092	941	1092	1092	905	617	617	577	577	577	577	426	613	764	613	426	426	489	489	489	302	302	390	577			
Hydro		424	364	305	301	309	303	217	280	403	274	220	309	429	210	377	204	227	240	198	153	232	332	231	229	240	343	207	145	288	385	430	421	322	235	275	578	473	346	401	449	501	374	412	330	315	372	322	374			
S.Reserve Total		2758	3054	3433	3551	3863	3959	4245	4224	4366	4378	4375	4345	4338	4064	4343	4375	4238	3628	3278	2962	3157	2494	2428	2472	2750	3153	3297	2970	2712	2386	2235	2000	1695	1515	1619	1844	2270	2378	2169	1807	1888	1787	1877	1884	1736	1914	2255	2452			