

Availability at Daily Maximum Demand Hour

ST-Coal	10,550 MW
ST-Gas	294 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,414 MW
Distillate	0 MW
Others	0 MW
Gas	8,257 MW
Co-Gen	0 MW
Total System	23,105 MW
Total System w/o solar	21,515 MW

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:	20:00:00 Hour
Total Set On Bus	20,082 MW
Spinning Reserve	1,483 MW
Maximum Demand	18,634 MW
Net Energy	405,062 MWH
Load Factor	91 %
Operating Reserve	2,881 MW

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	164
EMPP	278
NPRI	130
PCGP	81
PGLA	17
SGRI	33
SPGP	96
Total Gas	828
Total Gas Required	828

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	252,679	62.38 %
LSS	8,320	2.05 %
Hydro	8,870	2.19 %
Gas	133,635	32.99 %
Co-Gen	491	0.12 %
Total Generation	403,995	99.74 %
PLTG	-417	-0.10 %
HVDC	-650	-0.16 %
Interconnection	-1,067	-0.26 %
Net Energy	405,062	100.00 %

Fuel Cost

Total Cost:	96,116,589.28 RM
Cost per Unit	23.73 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	962
Hydro	235
Syncon	1,076
Thermal	204
Total	2,477

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	17307	16442	15790	15393	14900	14619	14839	14754	14991	16376	16923	17349	17066	16831	17662	18227	18521	18205	17411	17563	18634	18566	18180	17817

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 10:50:47 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																								
Total Solar		0	0	0	0	0	0	0	0	0	0	16	98	228	370	504	659	764	933	1124	1158	1142	1221	1207	1168	1143	1108	1004	842	666	572	382	224	108	16	0	0	0	0	0	0	0	0	0					
ESTL	ESTL	12	0	5	4	11	4	6	2	13	12	0	0	14	14	14	10	18	22	11	0	13	7	19	23	18	9	16	14	1	6	16	6	3	5	17	17	18	11	21	10	16	4	13	0	17	20	21	19
PCUF	CUFG	14	13	17	18	16	14	18	14	18	18	17	17	17	18	17	17	22	21	20	20	22	21	20	20	21	17	20	21	21	18	17	19	21	20	21	21	19	26	26	28	28	29	28	29	29	24		
PCUF	CUFK	29	28	26	29	27	28	28	27	28	29	29	29	31	29	29	31	30	28	30	30	29	28	26	27	26	25	25	27	27	27	27	26	28	28	27	30	28	32	30	30	30	29	29					
PFTZ	PFTZ	1	2	2	2	4	4	4	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9			
Total NEDA Co-Gen		56	43	50	53	58	50	56	48	65	65	52	52	66	67	68	62	75	80	67	54	71	65	76	79	73	61	70	67	57	58	66	58	59	60	73	73	71	73	83	71	82	68	82	66	84	87	88	81
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
Total Generation		17333	16895	16494	16198	15849	15601	15361	15071	14859	14746	14607	14630	14811	15012	14771	14683	14935	15798	16267	16593	16836	17193	17360	17475	17085	16869	16840	17285	17638	18005	18270	18363	18560	18554	18318	17896	17498	17202	17589	18470	18643	18602	18572	18467	18160	18127	17820	17493
KHTC	BLK1	-46	-46	-44	-43	-42	-42	-44	-41	-43	-41	-39	-38	-41	-35	-37	-33	-41	-42	-43	-45	-45	-46	-50	-48	-46	-45	-47	-51	-54	-57	-57	-58	-58	-57	-54	-59	-53	-52	-48	-47	-47	-43	-45	-45	-42	-44	-43	-40
Total Franchise Area		-46	-46	-44	-43	-42	-42	-44	-41	-43	-41	-39	-38	-41	-35	-37	-33	-41	-42	-43	-45	-45	-46	-50	-48	-46	-45	-47	-51	-54	-57	-57	-58	-58	-57	-54	-59	-53	-52	-48	-47	-47	-43	-45	-45	-42	-44	-43	-40
Singapore		-17	15	11	-6	48	-15	-45	-28	-53	-12	-19	3	-37	19	12	19	-66	-89	-119	-147	-101	-68	-8	-28	4	-36	-7	3	-44	-28	18	10	15	17	90	31	66	-24	9	-27	-4	-23	-7	-33	-28	-73	-6	-27
Thailand		0	0	0	-30	-28	-28	-29	-30	-28	-28	-29	-29	-29	-28	-29	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-30	-30	-28	-29	-28	-31	-31	-28	-30	-29	-31	-28	-28	-31	-27	-29	-29	-31	-28	-31	-28
Interconnection		-17	15	11	-36	20	-43	-73	-58	-81	-40	-48	-25	-66	-11	-17	-10	-94	-117	-149	-175	-129	-96	-36	-56	-24	-64	-35	-28	-75	-56	-11	-18	-16	-13	62	1	37	-54	-19	-55	-35	-51	-36	-61	-59	-101	-37	-55
Total Demand		17307	16837	16442	16194	15790	15605	15393	15091	14900	14748	14619	14620	14839	14991	14754	14663	14991	15876	16376	16726	16923	17246	17349	17486	17066	16891	16831	17265	17662	18007	18227	18326	18521	18513	18205	17839	17411	17207	17563	18481	18634	18613	18566	18486	18180	18187	17817	17511
SRev ST-Coal		163	235	211	231	229	216	297	305	311	439	555	560	556	566	441	401	411	277	195	179	188	178	181	188	209	250	184	199	253	234	186	191	201	206	181	206	215	248	219	217	214	231	220	225	221	212	226	188
SRev CCGT-Gas		507	735	1078	1356	1680	1936	1929	2032	2097	2108	2066	2046	1955	1730	2166	2303	2183	1932	1660	1545	1592	1564	1539	1676	1945	1846	1966	1636	1357	1078	837	747	314	236	524	765	1034	955	578	415	327	287	288	298	482	523	529	917
SRev Co-Gen		0	1	-1	0	-1	0	1	-1	0	-1	0	0	0	0	-1	0	0	1	1	-1	0	0	0	-1	1	-1	0	0	0	-1	0	0	-2	0	0	0	2	-3	1	0	0	0	-1	0	0	-1	0	
Syncon		1031	1031	1031	1031	1031	1031	880	1031	1031	1218	1218	1218	1067	1218	1218	1218	1218	1218	1369	1130	979	1130	1218	1218	1218	1067	1218	1218	1306	1306	1306	1306	1155	1004	1155	1176	1176	1176	1176	642	642	642	642	829	977	977	927	927
Hydro		88	64	129	130	142	139	268	141	141	63	120	116	192	58	152	165	113	125	155	295	369	208	145	207	235	322	127	140	129	136	158	128	102	237	228	193	203	189	126	391	300	330	384	371	273	188	339	309
S.Reserve Total		1789	2066	2448	2748	3081	3322	3375	3508	3580	3827	3958	3940	3770	3572	3977	4086	3925	3552	3380	3150	3127	3080	3083	3289	3606	3486	3494	3193	3045	2754	2486	2372	1772	1681	2088	2340	2628	2570	2096	1666	1483	1490	1534	1722	1953	1900	2020	2341