

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,351 MW
Distillate	0 MW
Others	0 MW
Gas	8,136 MW
Co-Gen	0 MW
Total System	22,989 MW
Total System w/o solar	21,399 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	19,215 MW
Spinning Reserve	1,914 MW
Maximum Demand	17,370 MW
Net Energy	369,895 MWH
Load Factor	89 %
Operating Reserve	4,029 MW

Gas Usage

Station	(mmscfd)
GLGR	33
TJGS	92
EMPP	228
NPRI	115
PCGP	69
PGLA	95
SPGP	155
Total Gas	787
Total Gas Required	787

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	225,090	60.85 %
LSS	8,880	2.40 %
Hydro	9,690	2.62 %
Gas	125,479	33.92 %
Co-Gen	-177	-0.05 %
Total Generation	368,962	99.75 %
PLTG	-234	-0.06 %
HVDC	-699	-0.19 %
Interconnection	-933	-0.25 %
Net Energy	369,895	100.00 %

Fuel Cost

Total Cost:	87,661,577.29 RM
Cost per Unit	23.70 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,797
Hydro	348
Syncon	1,066
Thermal	504
Total	3,715

Time	Weather	Temperature
Afternoon	Hot	32
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	16516	15858	15253	14857	14354	14126	14053	13958	13451	14167	14773	15093	14908	14717	15205	15652	16110	15940	15912	16364	17370	17255	16810	16583

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 10:30:34 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0																									
ESTL	ESTL	12	22	13	11	8	8	20	11	9	14	13	6	15	19	23	20	23	20	11	9	12	24	19	8	18	17	17	20	22	21	18	9	10	18	20	20	27	20	19	18	12	11	14	22	12	20	21		
PCUF	CUFG	6	8	5	7	6	6	6	5	5	6	5	6	5	6	6	7	6	4	5	5	5	5	5	6	6	7	6	5	3	6	5	6	5	5	5	5	5	5	5	5	6	6	6	6	5	5			
PCUF	CUFK	3	4	3	4	3	3	3	3	3	3	4	2	4	4	4	4	3	4	3	3	3	3	3	2	2	5	4	5	2	2	3	2	4	2	4	2	4	4	3	3	2	4	3	3	3	2	4		
PFTZ	PFTZ	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	2	0	0	4	0	0	0	0	
Total NEDA Co-Gen		21	38	25	26	21	21	33	23	21	27	25	20	26	33	37	37	35	36	32	23	21	24	36	31	19	30	32	28	31	29	26	27	16	20	29	33	31	40	33	31	28	19	21	27	31	21	27	30	
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		16563	16186	15832	15590	15213	15030	14874	14582	14329	14180	14127	14108	14077	14211	13920	13564	13423	13846	14134	14362	14709	15034	15180	15094	14926	14764	14805	15120	15158	15399	15641	15870	16168	16323	15926	15961	15950	15982	16328	17304	17319	17343	17232	17059	16768	16709	16555	16404	
KHTC	BLK1	-38	-37	-37	-36	-37	-36	-34	-36	-35	-33	-33	-35	-33	-32	-31	-32	-32	-33	-35	-37	-39	-45	-47	-45	-35	-37	-42	-43	-44	-40	-42	-38	-26	-22	-26	-26	-22	-22	-23	-21	-40	-40	-36	-39	-38	-36	-35		
PFTZ	PFTZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-4	-4	0	0	0	0	0	0	0	0	0	-1	0	-1	-1	-1	-1	
Total Franchise Area		-38	-37	-37	-36	-37	-36	-34	-36	-35	-33	-33	-35	-33	-32	-31	-32	-32	-33	-35	-37	-39	-45	-47	-45	-35	-37	-42	-43	-44	-41	-43	-42	-30	-22	-26	-26	-22	-22	-23	-21	-40	-41	-36	-40	-39	-37	-36		
Singapore		42	-28	-30	23	-46	4	15	-23	-30	-48	-1	-14	21	3	-37	23	-27	7	-35	-124	-70	23	73	-25	5	37	84	-16	-58	-95	-19	-5	47	-3	-2	38	44	41	-27	-12	-41	-23	-31	-11	-48	-50	-33	12	
Thailand		-31	-31	-31	-29	-29	-28	-28	-28	-28	-30	-28	-31	-29	-30	-30	-28	-30	-28	-28	-28	-28	-28	-28	-30	-29	-28	-28	-30	-29	-28	-28	-30	-30	-28	-30	-28	-30	-29	-27	-28	-31	-30	-29	-30	-30	-29	-28		
Interconnection		12	-59	-60	-6	-74	-24	-14	-51	-57	-76	-29	-44	-6	-28	-67	-7	-57	-23	-63	-154	-98	-7	45	-54	-24	8	54	-46	-87	-123	-49	-33	19	-31	-33	8	15	11	-55	-39	-69	-54	-61	-39	-79	-79	-62	-16	
Total Demand		16516	16211	15858	15563	15253	15021	14857	14600	14354	14226	14126	14120	14053	14209	13958	13543	13451	13840	14167	14484	14773	15005	15093	15104	14908	14724	14717	15127	15205	15481	15652	15863	16110	16327	15940	15930	15912	15952	16364	17323	17370	17360	17255	17065	16810	16752	16583	16387	
SRev ST-Coal		223	402	397	409	479	439	381	311	458	477	483	467	454	429	883	873	846	823	688	633	661	566	593	708	780	746	635	662	677	586	451	354	309	280	200	221	191	203	208	231	204	221	193	210	209	248	246	258	
SRev CCGT-Gas		2769	2566	2633	2841	2502	2486	2503	2192	2189	2400	2430	2269	2390	2302	2278	2251	2256	2271	2288	2279	2288	2429	2247	2316	2388	2211	2248	2159	2358	2294	2289	2066	1995	1923	2219	1680	1581	1336	962	328	286	175	380	474	771	793	908	1108	
SRev Co-Gen		0	-1	0	0	1	0	-1	0	1	0	-1	1	0	0	2	0	0	-1	0	-1	1	0	-1	0	0	1	0	-1	0	0	2	2	8	8	0	1	1	0	0	0	0	0	0	3	0	2	5	2	2
Syncon		1103	1015	1015	864	641	641	490	828	1015	1015	1102	1203	1203	1153	1304	1304	1304	1304	1153	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1052	1203	1203	1203	1304	1304	1304	1304	915	951	1203	1203	1203	1203	1052	1203	1203		
Hydro		245	191	258	399	299	304	366	224	83	145	156	169	178	195	277	145	146	135	136	245	144	153	142	147	150	130	137	79	135	116	52	181	132	94	133	124	117	126	57	458	473	282	218	221	220	328	219	177	
S.Reserve Total		4340	4173	4303	4513	3922	3870	3739	3555	3746	4037	4170	4109	4225	4129	4593	4573	4552	4532	4416	4309	4398	4452	4285	4475	4622	4392	4324	4203	4474	4300	4098	3655	3647	3508	3755	3330	3194	2969	2531	1932	1914	1881	1997	2108	2405	2426	2578	2748	