

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	9,686 MW
Co-Gen	0 MW
Total System	24,539 MW
Total System w/o solar	22,949 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	30
EMPP	265
NPRI	135
PCGP	87
PGLA	58
SPGP	202
Total Gas	806

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	18,742 MW
Spinning Reserve	1,851 MW
Maximum Demand	16,817 MW
Net Energy	364,653 MWH
Load Factor	90 %
Operating Reserve	6,134 MW

Total Gas Required 806

Generation Mix

Type	MWh	Percentage
ST-Coal	225,343	61.80 %
LSS	5,654	1.55 %
Hydro	11,215	3.08 %
Gas	124,139	34.04 %
Co-Gen	-868	-0.24 %
Total Generation	365,483	100.23 %
PLTG	107	0.03 %
HVDC	723	0.20 %
Interconnection	830	0.23 %
Net Energy	364,653	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	870
Hydro	198
Syncon	1,101
Thermal	194
Total	2,363

Time Weather Temperature

Afternoon	Cloudy	32
Morning	Rainy	23

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	15324	14633	14091	13677	13322	13106	13105	13306	13535	14842	15516	16080	15866	15660	16172	16231	16294	16109	15679	16135	16752	16565	16131	15839

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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																									
PCUF	CUFK	5	2	3	4	3	2	1	4	3	3	4	3	4	4	4	4	1	4	3	3	4	0	3	3	4	3	2	3	3	5	3	4	2	4	3	3	3	2	3	4	3	2	2	5					
Total NEDA Co-Gen		30	6	12	26	15	21	20	30	26	22	26	20	15	36	33	33	37	30	21	25	25	26	27	29	23	21	29	30	28	32	31	28	25	33	31	35	31	37	39	38	41	30	36	21	39	41	30	41	
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		
Total Generation		15344	15008	14513	14411	14165	13906	13734	13528	13379	13142	13215	13241	13366	13389	13391	13315	13504	14362	14892	15212	15592	15936	16092	16150	16146	15872	15644	16064	16295	16366	16322	16479	16461	16572	16255	16102	15940	15849	16287	16963	16834	16825	16677	16591	16267	16232	15957	15776	
KHTC	BLK1	-58	-57	-57	-59	-58	-57	-60	-63	-59	-61	-60	-61	-65	-64	-61	-64	-67	-69	-71	-67	-68	-71	-73	-74	-74	-73	-73	-35	-28	-29	-28	-30	-27	-52	-80	-78	-71	-71	-72	-68	-67	-69	-67	-63	-64	-63	-63		
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	-4	-4	-1	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	0	0	0	
Total Franchise Area		-62	-61	-61	-63	-62	-61	-64	-67	-63	-65	-64	-64	-65	-69	-68	-65	-68	-71	-73	-75	-71	-72	-75	-77	-78	-78	-74	-77	-39	-32	-33	-32	-34	-31	-56	-84	-82	-75	-74	-75	-71	-70	-72	-70	-66	-64	-63	-63	
Singapore		-69	-34	-207	48	-15	0	-35	-39	-33	-44	18	84	169	14	-10	-33	-126	-22	-50	-69	-21	-70	-90	-49	177	38	-117	-121	58	-14	33	63	105	88	62	172	150	75	53	43	-15	2	12	36	43	-35	27	-38	
Thailand		30	30	29	29	30	30	31	31	30	30	30	30	30	30	31	31	30	30	29	29	29	29	29	29	31	30	32	29	29	28	29	31	31	31	31	31	31	30	29	31	29	29	31	31	31	31	31	31	31
Interconnection		-39	-4	-178	78	15	31	-4	-8	-3	-13	48	115	199	44	20	-3	-96	9	-20	-39	8	-41	-60	-20	205	69	-87	-89	87	15	61	92	136	120	93	203	182	105	81	74	14	31	43	67	73	-4	58	-8	
Total Demand		15324	14954	14633	14273	14091	13817	13677	13472	13322	13093	13106	13065	13105	13279	13306	13256	13535	14285	14842	15179	15516	15908	16080	16096	15866	15728	15660	16079	16172	16322	16231	16358	16294	16424	16109	15818	15679	15672	16135	16817	16752	16727	16565	16457	16131	16175	15839	15724	
SRev ST-Coal		225	329	313	324	524	587	580	601	626	638	674	624	645	626	627	618	619	599	574	386	311	259	239	182	185	192	165	169	189	183	165	171	195	196	182	202	195	173	188	195	205	220	197	210	246	184	182	183	
SRev CCGT-Gas		262	512	696	776	834	1231	1418	1516	1607	1787	1696	1723	1586	1533	1353	1438	1386	733	474	496	452	383	557	728	803	1221	1574	1291	1134	1057	977	788	612	692	939	1045	1158	1279	1080	422	508	422	593	704	957	1010	1347	1592	
SRev Co-Gen		0	2	-2	0	0	0	0	1	0	1	0	1	0	-1	0	0	-1	0	1	0	0	0	2	0	-1	1	-1	-1	0	-1	0	0	2	0	0	1	0	0	-2	0	0	0	0	0	0	0	0	0	
Syncon		1017	1016	1016	1016	1016	1016	1016	1016	952	1103	1103	1103	953	1104	1104	1205	1205	1205	1306	1306	1306	1155	1119	1119	1119	1155	1306	1119	1119	1119	1119	1119	1018	1054	1306	1155	1306	1119	932	1018	1018	1018	1018	1018	1018	1018	892		
Hydro		355	242	179	134	131	140	132	132	268	154	132	137	266	137	279	240	241	228	156	168	152	286	287	225	237	286	148	181	113	101	76	57	180	231	316	125	264	121	107	302	250	252	258	255	263	239	275	352	
S.Reserve Total		1859	2101	2202	2250	2505	2974	3146	3266	3453	3683	3605	3588	3450	3399	3363	3501	3450	2765	2511	2356	2221	2083	2204	2254	2343	2855	3192	2759	2555	2459	2337	2135	2108	2137	2491	2679	2772	2879	2492	1851	1981	1912	2066	2187	2484	2451	2822	3019	