

Availability at Daily Maximum Demand Hour

ST-Coal	10,182 MW
ST-Gas	556 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,433 MW
Distillate	0 MW
Others	0 MW
Gas	8,555 MW
Co-Gen	0 MW
Total System	23,316 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:	20:30:00 Hour
Total Set On Bus	20,223 MW
Spinning Reserve	1,317 MW
Maximum Demand	18,937 MW
Net Energy	411,576 MWH
Load Factor	91 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	177
EMPP	192
KLPP	69
NPRI	142
PCGP	84
SGRI	84
SPGP	200
PKLG	39
Total Gas	1,017

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	240,839	58.52 %
ST-Gas	3,837	0.93 %
LSS	8,223	2.00 %
Hydro	14,293	3.47 %
Gas	146,340	35.56 %
Co-Gen	-1,423	-0.35 %
Total Generation	412,109	100.13 %
PLTG	-181	-0.04 %
HVDC	714	0.17 %
Interconnection	533	0.13 %
Net Energy	411,576	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	479
Hydro	365
Syncon	685
Thermal	203
Total	1,732

Total Gas Required 1,017

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	25

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	17658	16800	16244	15715	15236	14967	15134	15004	15245	16727	17391	17737	17507	17012	17818	18308	18571	18592	17608	17493	18834	18903	18519	18174

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, August 1, 2024 8:53:12 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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	1	23	114	266	458	589	684	790	877	935	989	1069	1174	1237	1233	1205	1028	878	933	694	590	327	231	108	26	1	0	0	0	0	0	0	0	0					
PCUF	CUFG	6	5	5	5	6	5	6	6	4	6	5	6	6	5	5	7	5	6	6	5	6	4	4	4	4	4	4	3	3	3	2	3	3	5	2	4	5	4	3	4	3	2	3	3	0	3			
PCUF	CUFK	4	3	3	2	1	2	3	2	3	3	4	2	3	1	3	4	4	4	2	2	4	4	3	2	3	2	3	2	4	3	4	4	4	2	3	3	14	29	29	31	30	29	29	28	30	29			
PFTZ	PFTZ	2	4	4	2	2	2	2	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	4	4	4	4	4	2	4	4	4	4	4	4				
Total NEDA Co-Gen		12	12	12	9	8	10	10	12	13	11	14	11	11	11	12	13	15	13	12	12	13	14	12	11	10	10	9	11	8	10	9	11	9	11	13	8	11	12	22	36	37	36	36	36	36	35	34	36	
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		17711	17354	16927	16690	16351	16096	15825	15653	15345	15264	15097	15007	15194	15318	15115	14843	15256	16243	16790	17079	17429	17686	17786	17770	17536	17297	17145	17636	18001	18299	18405	18674	18756	18861	18821	18159	17723	17423	17598	18464	18911	18998	19004	18861	18627	18449	18151	17834	
ESTL	ESTL	-26	-31	-27	-36	-29	-20	-22	-31	-33	-27	-18	-24	-18	-10	-11	-20	0	-17	-18	-16	-22	-16	-8	-13	-14	-17	-6	-13	-13	-12	-9	-15	-14	-17	-24	-27	-31	-28	-38	-19	-25	-33	-26	-38	-26	-19	-14	-33	
KHTC	BLK1	-45	-47	-47	-48	-43	-44	-45	-42	-41	-42	-40	-41	-42	-45	-44	-47	-49	-52	-55	-57	-58	-59	-60	-54	-42	-43	-45	-50	-55	-55	-58	-62	-64	-64	-67	-60	-58	-54	-53	-53	-62	-79	-79	-78	-79	-76	-77		
Total Franchise Area		-71	-78	-74	-84	-72	-64	-67	-73	-74	-69	-58	-65	-60	-55	-55	-67	-49	-69	-73	-73	-80	-75	-68	-67	-56	-60	-51	-63	-63	-67	-64	-73	-76	-81	-88	-94	-91	-86	-92	-72	-78	-95	-105	-117	-104	-98	-90	-110	
Singapore		-45	38	25	17	9	20	18	57	7	31	46	35	-27	34	30	-21	-66	30	-36	-99	-69	-56	-46	-129	-54	26	57	86	94	10	6	51	81	38	115	26	-2	-72	-14	-89	-27	-60	-30	-40	-23	-98	-140	-106	
Thailand		30	29	31	29	28	29	29	31	30	31	29	29	30	31	29	29	29	31	31	30	31	30	31	30	29	29	30	31	31	31	31	31	29	31	28	31	30	31	29	30	29	29	29	29	29	29	29		
Interconnection		-15	66	56	46	38	49	46	87	38	62	75	64	3	64	59	8	-35	61	-7	-70	-39	-25	-16	-98	-24	55	85	115	123	41	36	82	112	69	144	56	27	-41	16	-58	2	-31	-1	-10	7	-69	-110	-76	
Total Demand		17658	17213	16800	16563	16244	15986	15715	15496	15236	15136	14967	14881	15134	15202	15004	14771	15245	16116	16727	17079	17391	17639	17737	17804	17507	17185	17012	17461	17818	18194	18308	18522	18571	18714	18592	18012	17608	17381	17493	18453	18834	18937	18903	18757	18519	18423	18174	182	180
SRev ST-Coal		175	197	196	191	164	196	178	175	283	265	267	280	253	273	258	231	255	257	156	170	176	162	170	167	170	177	174	169	180	161	163	148	167	166	160	160	179	167	176	175	175	204	240	195	184	174	182	180	
SRev CCGT-Gas		656	651	730	939	1285	1455	1742	1831	1800	1941	2080	2158	2042	2004	2123	2341	1975	1343	1059	892	654	497	414	525	793	1256	1607	1227	753	475	342	259	503	270	301	337	555	952	869	331	247	212	227	315	369	445	418	819	
SRev ST-Gas		36	35	35	35	35	35	35	35	35	35	35	35	35	35	36	35	36	36	36	36	36	35	35	36	36	36	36	35	35	35	37	39	39	8	40	36	35	35	36	37	28	4	1	9	39	35	35		
SRev Co-Gen		0	0	-1	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	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	-3	0	0
Syncon		739	739	739	827	827	827	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	
Hydro		367	200	176	118	117	117	119	206	213	169	349	214	170	165	215	304	277	244	273	268	397	267	272	237	283	285	271	230	275	268	115	439	614	505	443	419	371	263	242	271	481	508	540	456	301	244	424	321	
S.Reserve Total		1973	1822	1875	2110	2427	2630	2901	3225	3309	3388	3558	3665	3478	3455	3609	3890	3520	2858	2502	2343	2090	1939	1869	1793	2259	2732	3066	2639	2221	1917	1633	1249	1536	1194	1126	1508	1781	2244	2149	1452	1305	1317	1376	1519	1753	1789	1798	2094	