

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,376 MW
Distillate	0 MW
Others	0 MW
Gas	9,686 MW
Co-Gen	0 MW
Total System	24,564 MW
Total System w/o solar	22,974 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:	16:30:00 Hour
Total Set On Bus	19,682 MW
Spinning Reserve	1,495 MW
Maximum Demand	18,141 MW
Net Energy	385,995 MWH
Load Factor	89 %
Operating Reserve	5,358 MW

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	77
EMPP	257
NPRI	126
PCGP	79
PGLA	91
SPGP	179
Total Gas	839

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 839

Generation Mix

Type	MWh	Percentage
ST-Coal	234,950	60.87 %
LSS	7,158	1.85 %
Hydro	18,542	4.80 %
Gas	126,446	32.76 %
Co-Gen	-576	-0.15 %
Total Generation	386,520	100.14 %
PLTG	-187	-0.05 %
HVDC	712	0.18 %
Interconnection	525	0.14 %
Net Energy	385,995	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	975
Hydro	335
Syncon	789
Thermal	207
Total	2,306

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Sunny	24

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	15351	14713	14207	13775	13511	13363	13598	13824	14323	15771	16363	16847	17066	16754	17347	17776	18081	17831	17023	17159	18101	17937	17350	17090

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 10:17:28 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																									
PCUF	CUFG	15	16	15	16	14	15	15	15	15	15	15	14	13	14	16	15	14	13	11	12	12	7	12	9	10	12	12	9	8	7	11	11	12	8	8	8	7	5	4	9	6	4	5						
PCUF	CUFK	4	4	4	4	0	5	5	2	3	4	3	5	4	3	2	3	4	4	2	3	2	3	3	4	4	3	5	3	4	2	4	5	6	4	4	2	4	5	4	3	4	2	2						
Total NEDA Co-Gen		42	40	37	37	23	36	35	38	33	37	26	36	34	30	26	37	31	31	24	25	26	30	41	35	34	31	30	32	19	34	34	24	18	12	14	17	22	42	20	23	28	29	18	18	30	31	23	24	
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		15374	15006	14830	14499	14294	14045	13864	13758	13606	13445	13450	13482	13669	13941	13928	13986	14325	15269	15788	16197	16322	16641	16822	17108	17030	16888	16791	17041	17446	17889	17955	18001	18186	18240	17967	17533	17216	16948	17213	18087	18172	18086	18062	17865	17475	17378	17198	16841	
KHTC	BLK1	-63	-65	-66	-66	-67	-66	-60	-61	-63	-61	-57	-61	-63	-66	-64	-67	-72	-60	-55	-42	-34	-31	-31	-39	-34	-32	-34	-52	-53	-44	-42	-34	-36	-56	-60	-53	-62	-58	-40	-29	-20	-20	-51	-73	-72	-71	-71		
Total Franchise Area		-63	-65	-66	-66	-67	-66	-60	-61	-63	-61	-57	-61	-63	-66	-64	-67	-72	-60	-55	-42	-34	-31	-31	-39	-34	-32	-34	-52	-53	-44	-42	-34	-36	-56	-60	-53	-62	-58	-40	-29	-20	-20	-51	-73	-72	-71	-71		
Singapore		-67	1	23	0	-8	-4	3	40	4	-2	2	-40	-18	7	12	-13	-98	-65	-67	-58	-101	-94	-82	-127	-98	-59	-23	-8	20	29	111	58	43	17	48	51	105	19	-13	-16	27	-26	49	27	25	-18	11	-3	
Thailand		30	30	31	29	30	30	29	31	31	31	29	29	29	31	31	29	31	29	31	29	29	29	29	29	31	29	29	31	29	29	31	29	29	29	29	31	29	29	31	29	28	28	30	28	31	31	29	29	29
Interconnection		-37	30	54	29	23	26	32	72	35	29	33	-11	11	36	43	17	-67	-36	-35	-26	-72	-65	-53	-98	-67	-30	6	23	49	59	140	87	72	46	79	80	134	49	17	12	54	4	77	57	56	11	40	26	
Total Demand		15351	14914	14713	14407	14207	13956	13775	13628	13511	13358	13363	13435	13598	13842	13824	13905	14323	15248	15771	16184	16363	16678	16847	17170	17066	16889	16754	16969	17347	17789	17776	17883	18081	18141	17831	17403	17023	16844	17159	18049	18101	18065	17937	17738	17350	17299	17090	16747	
SRev ST-Coal		200	194	153	549	513	592	577	605	660	659	662	661	687	611	591	540	540	393	202	266	252	166	206	200	215	229	186	285	216	221	193	199	221	197	219	185	200	185	198	207	196	211	170	226	170	188	169	201	
SRev CCGT-Gas		1969	2399	2840	2839	2914	2937	2930	2929	2856	2947	2941	2928	2933	2951	3029	2968	2753	2214	2146	1845	2032	1895	1781	1543	1631	1480	1556	1242	1023	525	434	456	266	240	257	537	687	845	566	227	293	234	391	700	837	890	974	1072	
SRev Co-Gen		0	0	-1	4	2	-2	-2	1	2	-1	0	-1	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-2	0	0	0	0	-1	0	0	0	0	0	-1	
Syncon		1018	867	917	917	917	917	1104	1104	1104	1104	1104	953	1104	953	1104	1018	1018	1018	1018	1018	1018	1018	1018	1018	1205	1054	1205	1054	1205	1018	1018	680	680	579	731	917	917	917	478	302	489	151	302	390	516	642	678		
Hydro		260	378	201	207	196	230	166	163	162	152	105	107	239	108	234	205	276	281	271	263	285	278	273	239	273	213	344	167	335	114	180	190	389	378	428	229	343	397	300	341	530	474	724	375	368	284	280	462	
S.Reserve Total		3447	3838	4110	4516	4542	4674	4775	4802	4784	4861	4812	4799	4812	4774	4807	4817	4587	3906	3637	3392	3587	3357	3277	3000	3137	3127	3138	2898	2628	2065	1825	1863	1556	1495	1483	1681	2145	2344	1981	1253	1321	1407	1436	1603	1765	1878	2065	2412	