

Availability at Daily Maximum Demand Hour

ST-Coal	11,022 MW
ST-Gas	294 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,414 MW
Distillate	0 MW
Others	0 MW
Gas	8,238 MW
Co-Gen	0 MW
Total System	23,558 MW
Total System w/o solar	21,968 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	19,859 MW
Spinning Reserve	1,539 MW
Maximum Demand	18,240 MW
Net Energy	398,356 MWH
Load Factor	91 %
Operating Reserve	3,728 MW

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	161
EMPP	278
NPRI	128
PCGP	82
SGRI	34
SKSP	45
SPGP	100
Total Gas	857
Total Gas Required	857

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	254,139	63.80 %
LSS	8,503	2.13 %
Hydro	7,334	1.84 %
Gas	128,472	32.25 %
Co-Gen	-112	-0.03 %
Total Generation	398,336	99.99 %
PLTG	-20	-0.01 %
Interconnection	-20	-0.01 %
Net Energy	398,356	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	993
Hydro	391
Syncon	979
Thermal	226
Total	2,589

Time	Weather	Temperature
Afternoon	Rainy	31
Morning	Cloudy	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	16935	16116	15556	14983	14546	14327	14586	14712	14910	16487	17008	17632	17338	16802	17332	17738	17986	17576	16920	17151	18239	18128	17631	17185

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 10:56:50 AM

(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																											
UJLI	HYDR	-2	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	97	213	214	94	91	-2	-2	-2																			
Total Hydro		265	205	241	201	201	201	198	220	196	267	226	237	283	206	195	191	212	201	230	260	296	245	231	250	254	254	237	234	241	286	242	361	231	219	229	268	215	218	240	742	904	845	604	535	379	382	377	228			
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	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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	1	47	194	400	635	785	856	1036	1005	1099	1030	954	931	1100	1078	1078	1022	789	821	710	589	420	282	133	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	16	16	11	16	6	15	13	20	22	15	16	6	7	15	17	21	24	0	0	10	10	17	21	19	6	14	2	0	6	4	12	0	17	0	13	0	0	1	20	18	15	15	12	5	20	23	11	14			
PCUF	CUGF	9	10	9	10	9	11	10	11	10	10	11	10	10	11	10	11	10	10	10	14	13	12	10	13	11	10	11	11	12	13	11	10	9	7	7	10	9	9	9	8	10	9	8	10	9	8	10	11	10		
PCUF	CUFK	12	29	28	31	29	31	31	31	31	29	30	28	27	30	30	30	31	28	28	30	29	29	29	29	27	27	26	28	28	28	28	27	25	24	27	27	28	27	28	26	27	31	29	29	28	30	30				
PFTZ	PFTZ	0	1	1	2	2	2	2	1	1	2	2	2	2	2	2	2	2	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	7	7		
Total NEDA Co-Gen		37	56	49	59	46	59	56	63	64	56	59	46	44	57	59	64	67	41	42	55	54	66	68	65	50	59	45	41	50	48	57	46	60	40	51	39	39	39	44	61	60	55	55	58	48	62	67	59	61		
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	0	0	0
Total Generation		16898	16514	16214	15813	15640	15324	15076	14844	14603	14564	14342	14529	14652	14934	14749	14591	14892	15904	16476	16739	16990	17374	17745	17746	17356	17078	16848	17243	17443	17702	17760	17814	18029	18121	17735	17339	17080	16816	17226	18222	18369	18376	18171	18013	17708	17474	17235	16723			
KHTC	BLK1	-59	-56	-57	-55	-53	-55	-54	-51	-51	-47	-50	-49	-51	-47	-51	-54	-54	-59	-60	-65	-65	-68	-58	-54	-53	-52	-54	-56	-64	-72	-72	-71	-72	-75	-70	-68	-67	-69	-63	-62	-59	-59	-60	-59	-54	-52	-52				
Total Franchise Area		-59	-56	-57	-55	-53	-55	-54	-51	-51	-47	-50	-49	-51	-47	-51	-54	-54	-59	-60	-65	-65	-68	-58	-54	-53	-52	-54	-56	-64	-72	-72	-71	-72	-75	-70	-68	-67	-69	-63	-62	-59	-59	-60	-59	-54	-52	-52				
Singapore		-93	-1	44	26	34	-2	42	-5	9	-36	-32	-21	20	25	-7	-53	-69	-40	-67	-55	-80	-34	48	-34	-33	-11	-3	89	58	-56	-47	-60	-25	84	87	14	95	1	9	10	71	80	-13	16	21	3	1	-46			
Thailand		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	0		
Interconnection		-93	-1	44	26	34	-2	42	-5	9	-36	-32	-21	20	25	-7	-53	-69	-40	-67	-55	-80	-34	48	-34	-33	-11	-3	89	58	-56	-47	-60	-25	84	87	14	95	1	9	10	71	80	-13	16	21	3	1	-46			
Total Demand		16935	16462	16116	15735	15556	15274	14983	14801	14546	14556	14327	14503	14586	14861	14712	14596	14910	15893	16487	16737	17008	17346	17632	17725	17338	17039	16802	17103	17332	17697	17738	17805	17986	17968	17576	17258	16920	16751	17151	18152	18239	18240	18128	17940	17631	17420	17185	16720			
SRev ST-Coal		231	220	154	198	168	274	325	613	628	648	762	761	637	513	522	727	655	268	224	209	208	186	154	147	220	183	160	273	255	271	274	270	275	267	273	272	264	287	251	222	208	239	207	201	209	203	188	185			
SRev CCGT-Gas		818	1072	1467	1829	2019	2282	2500	2296	2514	2448	2518	2434	2473	2303	2462	2531	2471	2132	1869	1814	1800	1479	1177	1293	1530	1728	1967	1706	1498	1251	1099	924	620	393	673	898	974	1074	620	225	269	259	209	236	491	739	980	1883			
SRev Co-Gen		1	0	1	0	0	0	1	0	0	-1	1	0	0	0	0	0	0	-1	0	0	-1	0	-1	0	0	0	0	0	0	0	0	0	-1	0	1	0	0	7	0	0	0	0	0	0	0	0	-1	0	0		
Syncon		1313	1126	1126	1126	1126	1126	1161	1312	1312	1312	1338	1187	1338	1337	1338	1312	1313	1313	1312	1161	1312	1312	1312	1312	1313	1161	1312	1313	1312	1312	1186	1312	1311	1160	1311	1311	1311	1312	771	610	610	898	1023	1311	1311	1311	1160				
Hydro		133	144	108	148	148	148	151	280	153	82	148	111	216	142	154	157	137	147	118	129	244	144	118	139	135	134	263	115	107	63	107	114	118	131	272	82	135	132	109	473	472	431	384	278	146	143	148	273			
S.Reserve Total		2496	2562	2856	3301	3461	3830	4103	4350	4607	4489	4741	4644	4512	4296	4475	4753	4575	3860	3523	3464	3413	3120	2761	2890	3197	3358	3551	3406	3173	2897	2792	2494	2324	2102	2379	2563	2684	2811	2292	1691	1559	1539	1698	1738	2157	2395	2627	3501			