

Availability at Daily Maximum Demand Hour

ST-Coal	10,400 MW
ST-Gas	0 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,426 MW
Distillate	0 MW
Others	0 MW
Gas	9,337 MW
Co-Gen	0 MW
Total System	23,753 MW

Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	173
CBPS	47
EMPP	293
KLPP	72
NPRI	73
PCGP	83
SGRI	84
SKSP	2
SPGP	195
Total Gas	1,052

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	20,967 MW
Spinning Reserve	1,285 MW
Maximum Demand	19,638 MW
Net Energy	422,444 MWH
Load Factor	90 %

Generation Mix

Type	MWh	Percentage
ST-Coal	243,022	57.53 %
LSS	9,315	2.21 %
Hydro	15,078	3.57 %
Gas	158,425	37.50 %
Co-Gen	-765	-0.18 %
Total Generation	425,075	100.62 %
PLTG	1,203	0.28 %
EGAT	6	0.00 %
HVDC	1,422	0.34 %
Interconnection	2,631	0.62 %
Net Energy	422,444	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	553
Hydro	298
Syncon	799
Thermal	158
Total	1,808

Total Gas Required 1,052

Time Weather Temperature

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	17819	17012	16368	15834	15448	15134	15169	15207	15582	17129	17915	18284	18091	18137	18810	19282	19638	19137	17938	17956	19324	19294	18835	18523

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 30, 2024 9:48:52 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																													
Total Hydro		563	472	471	451	513	514	525	489	524	478	447	457	462	462	478	473	478	464	468	466	464	348	304	345	267	266	290	292	292	531	527	932	986	1083	874	664	571	473	499	996	1325	1431	1368	1123	1071	933	918	883					
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	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	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
ESTL	ESTL	14	13	14	12	11	10	14	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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	
PCUF	CUFG	31	29	29	29	29	30	28	30	29	29	30	28	30	29	29	30	28	28	29	29	29	29	31	29	29	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	34	31	31	33	33	32	33	33	33			
PCUF	CUFK	24	4	3	4	3	1	2	4	0	3	3	2	1	5	3	2	3	0	3	4	4	3	5	2	3	3	3	4	4	3	5	1	3	4	3	1	2	3	3	4	3	2	3	2	2	2	3	4	3	4	3		
Total NEDA Co-Gen		69	46	46	45	43	41	44	45	40	32	33	30	31	35	32	31	33	28	31	33	33	32	38	31	32	31	32	33	33	32	34	41	41	45	44	29	31	34	35	34	37	33	34	35	35	35	35	37	36	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	0	0	0	0	0	0
Total Generation		17984	17606	17182	16892	16511	16470	16049	15818	15635	15436	15315	15236	15331	15301	15323	15227	15723	16655	17278	17641	18027	18323	18403	18486	18308	18399	18325	18652	18950	19431	19457	19801	19763	19741	19401	18796	18189	17907	18163	19176	19504	19586	19508	19267	19041	18807	18715	18281					
ESTL	ESTL	0	0	0	0	0	0	0	0	-6	0	0	0	-4	-2	0	0	0	0	-5	0	0	0	0	-5	-4	-16	-2	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KHTC	BLK1	-52	-52	-55	-53	-53	-55	-54	-53	-53	-52	-51	-50	-53	-53	-54	-59	-60	-65	-68	-65	-68	-72	-73	-74	-79	-72	-75	-76	-78	-82	-86	-84	-88	-83	-87	-84	-86	-82	-82	-74	-74	-69	-69	-69	-66	-65	-66	-66					
Total Franchise Area		-52	-52	-55	-53	-53	-55	-54	-53	-59	-52	-51	-50	-57	-55	-54	-59	-60	-65	-73	-65	-68	-72	-73	-79	-83	-88	-77	-77	-78	-82	-86	-84	-88	-83	-87	-84	-86	-82	-82	-74	-74	-72	-69	-69	-66	-65	-66	-66					
Singapore		57	73	59	71	33	108	105	85	78	48	71	57	55	-3	4	20	26	135	28	-24	-11	25	-9	55	83	76	42	31	7	42	35	44	-16	45	124	120	112	34	70	34	53	89	85	33	82	30	69	-65					
Thailand		59	60	60	60	60	58	58	59	59	61	61	60	60	60	60	60	59	58	59	61	61	61	58	61	59	61	61	60	60	60	60	60	60	60	60	59	58	58	58	58	56	59	59	59	59	59	60	61	60				
Interconnection		116	133	118	131	93	166	163	144	137	108	132	117	115	57	64	81	85	194	87	38	50	86	50	116	141	137	103	90	66	102	96	104	44	105	184	178	170	92	128	92	109	148	145	92	140	90	130	-5					
Total Demand		17819	17424	17012	16711	16368	16254	15834	15623	15448	15272	15134	15071	15169	15190	15207	15095	15582	16404	17129	17533	17915	18172	18284	18300	18091	18182	18137	18488	18810	19254	19282	19614	19638	19551	19137	18534	17938	17732	17956	19005	19324	19367	19294	19109	18835	18654	18523	18223					
SRev ST-Coal		154	134	141	143	127	131	137	147	151	130	127	157	160	172	177	293	237	193	137	147	143	160	145	160	162	172	168	175	169	167	157	139	167	135	172	166	165	169	178	167	160	168	160	161	196	120	185	180					
SRev CCGT-Gas		1093	1076	788	1115	1353	1479	1908	2144	2413	2569	2683	2700	2562	2616	2680	2670	2390	1687	1414	1239	1034	839	825	847	886	1155	1120	940	758	329	266	231	228	234	276	510	819	993	714	203	202	194	218	214	284	276	290	723					
Syncon		1129	1129	1129	1041	1129	1041	978	1129	978	978	1129	1129	1129	1041	890	978	1041	1129	1129	1129	1129	890	1129	1230	1230	1079	1079	1142	890	890	615	615	464	464	890	1041	1230	1142	703	464	313	313	500	651	739	739	739						
Hydro		124	115	116	137	74	74	213	94	210	256	136	126	121	122	257	261	106	119	115	117	119	387	279	137	215	216	343	341	191	291	295	330	276	330	539	323	178	174	149	278	299	344	407	465	366	416	431	341					
S.Reserve Total		2501	2453	2176	2523	2683	2812	3237	3513	3752	3933	4077	4112	3970	4038	4092	4201	3862	3126	2794	2632	2425	2363	2378	2374	2494	2773	2710	2535	2347	1609	1315	1285	1162	1449	1888	2290	2570	2270	1352	1123	1019	1098	1341	1497	1552	1644	1982						