

Availability at Daily Maximum Demand Hour

ST-Coal	8,631 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,240 MW
Hydro	2,412 MW
Distillate	0 MW
Others	0 MW
Gas	8,955 MW
Co-Gen	0 MW
Total System	21,828 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,102 MW
Spinning Reserve	1,230 MW
Maximum Demand	17,913 MW
Net Energy	386,956 MWH
Load Factor	90 %

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	Total	0
TJGS	173		
CBPS	46		
EMPP	274		
KLPP	55		
PCGP	82		
PLPS	37		
SKSP	46		
SPGP	194		
Total Gas	936		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
ST-Coal	211,614	54.69 %
LSS	6,200	1.60 %
Hydro	27,948	7.22 %
Gas	140,312	36.26 %
Co-Gen	185	0.05 %
Total Generation	386,259	99.82 %
PLTG	1	0.00 %
HVDC	-698	-0.18 %
Interconnection	-697	-0.18 %
Net Energy	386,956	100.00 %

Fuel Cost

Total Cost:	91,162,757.12 RM
Cost per Unit	23.54 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	600
Hydro	496
Syncon	420
Thermal	140
Total	1,656

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	31
Morning	Sunny	28

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	15838	15077	14570	14067	13702	13570	13985	14166	14380	15994	16617	17101	16959	16531	17456	17718	17873	17778	16953	17024	17882	17755	17050	16563

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, February 13, 2024 12:06:54 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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																								
ESTL	ESTL	9	12	11	12	14	14	14	14	14	12	16	18	20	24	24	29	29	30	32	30	24	21	23	31	23	26	33	30	29	27	22	16	18	28	30	29	26	32	27	33	33	21	30	28	26	23	17	20
PCUF	CUFG	4	5	3	4	4	4	4	5	3	4	4	3	4	4	4	4	4	4	4	3	5	4	4	4	3	5	4	4	4	3	7	21	20	20	21	6	6	2	5	4	5	5	3	4	2	5	3	
PCUF	CUFK	4	2	0	4	2	5	5	5	4	4	3	2	3	5	4	5	4	3	5	4	4	5	2	3	4	4	4	4	5	30	30	30	28	31	30	30	31	30	30	29	30	31	28	30	31	31	31	
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Total NEDA Co-Gen		23	25	20	26	26	29	29	30	27	26	29	29	33	39	38	46	44	44	41	45	38	34	37	42	33	37	43	41	40	37	58	55	71	78	83	82	67	74	64	73	71	61	71	64	65	61	58	59
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
Total Generation		15831	15414	15087	14792	14588	14321	14083	13788	13726	13623	13586	13709	13964	14161	14139	14216	14358	15332	16002	16230	16620	16835	17101	17236	16960	16649	16553	17054	17510	17708	17730	17797	17872	17923	17799	17452	16987	16821	17072	17744	17890	17834	17755	17513	17067	16813	16551	16343
KHTC	BLK1	-34	-32	-31	-29	-31	-31	-30	-29	-28	-27	-23	-25	-26	-25	-26	-28	-28	-30	-31	-33	-35	-38	-43	-46	-49	-47	-53	-57	-57	-59	-58	-55	-54	-53	-51	-48	-47	-47	-45	-43	-43	-44	-42	-40	-39	-37	-39	
Total Franchise Area		-34	-32	-31	-29	-31	-31	-30	-30	-29	-28	-27	-23	-25	-26	-25	-26	-28	-28	-30	-31	-33	-35	-38	-43	-46	-49	-47	-53	-57	-57	-59	-58	-55	-54	-53	-51	-48	-47	-47	-45	-43	-43	-44	-42	-40	-39	-37	-39
Singapore		-9	-5	12	8	20	30	20	-8	27	18	21	16	-13	8	-20	-26	-18	-20	12	-12	3	-20	-5	-4	-10	-16	9	6	31	3	-14	-19	-23	-12	0	-2	19	22	33	-18	-4	-18	-13	18	8	-11	-17	-3
Thailand		-29	-30	-30	-29	-29	-29	-31	-31	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
Interconnection		-38	-35	-18	-21	-10	1	-11	-38	-2	-11	-8	-13	-43	-22	-49	-55	-46	-49	-18	-41	-26	-48	-34	-33	-41	-46	-21	-23	1	-27	-43	-48	-52	-40	-28	-31	-10	-7	4	-47	-32	-46	-41	-11	-20	-40	-46	-31
Total Demand		15838	15420	15077	14787	14570	14292	14067	13799	13702	13609	13570	13702	13985	14160	14166	14248	14380	15357	15994	16244	16617	16852	17101	17230	16959	16650	16531	17028	17456	17682	17718	17791	17873	17913	17778	17436	16953	16785	17024	17749	17882	17840	17755	17485	17050	16817	16563	16338
SRev ST-Coal		179	117	131	127	133	174	278	290	300	413	420	407	309	298	272	287	276	228	146	128	137	140	151	124	84	176	172	184	157	172	115	173	146	144	151	151	148	161	153	156	178	131	142	128	123	116	110	128
SRev CCGT-Gas		1588	1522	1917	2038	2133	2347	2481	2782	2816	2803	2837	2767	2622	2448	2434	2351	2294	1525	1163	1061	961	855	766	720	968	1300	1360	1119	644	483	314	195	243	384	309	391	499	733	564	372	329	406	470	476	667	760	873	1023
SRev Co-Gen		1	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	-1	0	1	0	0	0	0	2	5	0	0	0	0	0	0	0	0	3	1	1	0	0	0	0	2	0	2	2	0	0	
Syncon		126	277	277	464	802	802	802	802	802	802	802	802	953	802	953	953	953	802	766	766	615	615	489	489	489	489	489	489	489	489	489	489	489	489	151	151	151	277	277	126	126	126	126	313	313	313	313	464
Hydro		476	672	635	632	397	412	412	395	410	412	411	371	212	357	217	217	206	456	401	399	440	422	409	499	641	628	762	568	638	414	523	409	443	551	526	691	815	834	780	598	465	481	475	521	782	643	498	388
S.Reserve Total		2370	2588	2960	3261	3465	3734	3973	4269	4328	4430	4470	4347	4096	3905	3876	3808	3729	3010	2476	2355	2153	2032	1815	1832	2184	2598	2632	2360	1928	1558	1441	1266	1321	1230	1140	1385	1740	2005	1774	1252	1098	1146	1213	1440	1887	1834	1794	2003