

Availability at Daily Maximum Demand Hour

ST-Coal	7,703 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,412 MW
Distillate	0 MW
Others	0 MW
Gas	10,142 MW
Co-Gen	0 MW
Total System	22,187 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:	15:30:00 Hour
Total Set On Bus	20,029 MW
Spinning Reserve	1,278 MW
Maximum Demand	18,682 MW
Net Energy	395,342 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	30	Total	0
TJGS	190		
CBPS	50		
EMPP	302		
KLPP	61		
NPRI	82		
PCGP	88		
PLPS	87		
SGRI	52		
SPGP	209		
Total Gas	1,149		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
ST-Coal	189,991	48.06 %
LSS	7,827	1.98 %
Hydro	25,292	6.40 %
Gas	173,484	43.88 %
Co-Gen	-197	-0.05 %
Total Generation	396,397	100.27 %
PLTG	321	0.08 %
HVDC	734	0.19 %
Interconnection	1,055	0.27 %
Net Energy	395,342	100.00 %

Fuel Cost

Total Cost:	93,774,768.09 RM
Cost per Unit	24.71 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	307
Hydro	560
Syncon	286
Thermal	184
Total	1,337

Time	Weather	Temperature
Afternoon	Hot	34
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	15973	15240	14641	14177	13716	13479	13716	14078	14494	16187	16896	17266	17262	17292	18082	18481	18636	18396	17307	17131	18310	18392	17861	17666

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 7:37:18 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	83	219	395	561	807	932	1048	1047	1079	1091	1145	1051	974	904	854	843	777	672	421	361	235	124	41	1	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	29	30	34	33	34	34	30	30	21	19	28	32	29	20	33	35	27	31	27	16	18	22	27	32	34	32	30	32	32	27	18	12	19	26	30	30	32	28	26	18	20	19	23	26	27	30	28			
PCUF	CUFG	7	9	8	9	6	7	2	2	3	2	3	3	3	2	1	3	2	3	3	3	2	3	2	2	2	3	2	4	3	3	4	3	3	2	3	3	2	4	2	4	3	2	3	2	2	3	1			
PCUF	CUFK	28	30	17	3	3	5	5	3	4	3	4	6	4	5	3	3	3	5	2	5	4	3	3	3	2	2	4	3	5	4	3	4	3	5	1	4	3	5	5	5	3	4	4	3	3	3	4	3		
Total NEDA Co-Gen		64	69	59	45	43	46	37	35	28	24	35	41	36	28	38	39	33	38	32	24	25	27	33	37	38	36	37	37	41	39	33	26	18	27	29	37	36	39	37	33	25	27	25	29	31	32	37	32		
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
Total Generation		16052	15640	15308	15041	14712	14555	14258	14117	13766	13577	13529	13503	13755	13878	14131	14187	14560	15676	16270	16637	16947	17191	17317	17465	17345	17319	17423	17802	18228	18623	18601	18810	18738	18655	18516	17972	17429	17046	17215	18042	18367	18536	18496	18322	17959	17901	17753	17451		
KHTC	BLK1	-35	-34	-34	-31	-30	-29	-30	-31	-32	-31	-29	-33	-33	-31	-40	-42	-46	-46	-50	-51	-57	-55	-56	-53	-59	-56	-62	-62	-63	-62	-59	-50	-55	-55	-53	-46	-43	-41	-40	-43	-43	-43	-40	-39	-37	-40				
Total Franchise Area		-35	-34	-34	-31	-30	-29	-30	-30	-31	-32	-31	-29	-33	-33	-31	-40	-42	-46	-46	-50	-51	-57	-55	-56	-53	-59	-56	-62	-62	-63	-62	-59	-50	-55	-55	-53	-46	-43	-41	-40	-43	-43	-43	-40	-39	-37	-40			
Singapore		16	-6	5	9	15	6	25	5	-9	4	-10	-10	-18	7	-6	0	-1	19	11	-24	-25	-13	-33	-11	1	31	45	57	57	44	29	38	16	3	37	32	44	28	14	-7	-10	23	36	27	31	39	22	51		
Thailand		31	32	32	29	29	32	29	29	31	31	32	31	31	30	30	31	31	31	31	31	31	31	31	30	29	31	29	32	30	32	32	31	31	31	32	29	30	30	31	30	29	29	32	30	31	31	30			
Interconnection		47	25	37	37	44	37	54	34	22	36	22	21	13	36	23	31	30	49	41	7	5	18	-2	20	31	61	76	86	88	73	61	70	47	34	69	64	73	58	44	24	20	52	64	59	61	71	53	82		
Total Demand		15973	15584	15240	14976	14641	14492	14177	14056	13716	13512	13479	13454	13716	13812	14078	14129	14494	15589	16187	16588	16896	17126	17266	17394	17262	17209	17292	17664	18082	18492	18481	18682	18636	18575	18396	17857	17307	16946	17131	17980	18310	18444	18392	18223	17861	17794	17666	17332		
SRev ST-Coal		143	139	139	178	143	194	309	311	303	306	298	309	301	298	297	315	317	158	151	159	148	150	169	236	219	206	164	418	285	225	284	139	197	216	232	229	232	193	166	149	147	138	134	136	135	157	162	176		
SRev CCGT-Gas		592	728	654	805	987	1014	1186	1323	1701	1899	1986	1989	1739	1611	1330	1250	996	502	466	343	436	420	398	303	328	669	664	576	325	278	283	399	304	260	299	299	428	744	689	158	172	198	193	208	223	251	338	349		
SRev Co-Gen		0	0	2	2	0	-2	0	0	-2	1	0	0	-2	1	0	-1	2	1	0	-1	3	0	1	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	-1	1	-1	0	0	-2	0	1	0	0	
Syncon		464	651	651	651	802	953	953	953	953	953	802	953	953	953	953	615	464	464	464	365	277	277	313	552	464	338	338	338	151	277	277	277	277	802	953	953	802	651	313	126	126	313	514	384	374	374				
Hydro		282	308	237	222	200	131	132	131	106	88	219	88	89	88	128	137	89	347	332	312	310	490	453	496	605	471	470	257	468	383	417	462	577	609	594	357	403	371	470	510	502	560	607	581	586	500	591	482		
S.Reserve Total		1481	1826	1733	1858	2219	2377	2667	2805	3148	3334	3392	3426	3167	3038	2882	2828	2531	1710	1500	1364	1448	1425	1472	1487	1640	1985	1936	1763	1417	1224	1135	1278	1355	1362	1402	1687	2103	2348	2213	1469	1133	1022	1060	1236	1458	1293	1465	1381		