

### Availability at Daily Maximum Demand Hour

ST-Coal	6,715 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,290 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	9,422 MW
Co-Gen	0 MW
<b>Total System</b>	<b>20,554 MW</b>

### 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:	20:30:00 Hour
Total Set On Bus	18,075 MW
Spinning Reserve	1,017 MW
Maximum Demand	16,998 MW
Net Energy	367,559 MWH
Load Factor	90 %

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	202
CBPS	54
EMPP	317
KLPP	77
NPRI	81
PCGP	89
PLPS	58
SGRI	100
SKSP	50
SPGP	104
<b>Total Gas</b>	<b>1,161</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	159,243	43.32 %
LSS	8,878	2.42 %
Hydro	28,118	7.65 %
Gas	172,825	47.02 %
Co-Gen	-111	-0.03 %
<b>Total Generation</b>	<b>368,953</b>	<b>100.38 %</b>

PLTG	14	0.00 %
HVDC	1,380	0.38 %
<b>Interconnection</b>	<b>1,394</b>	<b>0.38 %</b>
<b>Net Energy</b>	<b>367,559</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	91,238,565.31 RM
Cost per Unit	24.66 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	517
Hydro	392
Syncon	647
Thermal	125
<b>Total</b>	<b>1,681</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	27

### 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	16529	15846	15213	14805	14245	13955	13927	13878	13712	14322	14757	14944	15060	14998	15226	15863	16250	16263	15548	15638	16958	16863	16449	16301

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 6:56:31 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Friday

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	3	5	5	3	2	4	3	4	3	4	4	3	3	4	4	5	5	4	5	5	5	5	7	6	5	6	7	6	6	8	8	7	8	7	8	7	7	7	7	6	13	13	7					
PCUF	CUFK	4	4	5	5	4	3	4	5	2	5	4	4	3	2	5	4	4	4	3	3	5	5	4	4	4	6	0	6	3	6	4	4	4	4	4	5	2	2	2	4	4	6						
PFTZ	PFTZ	2	2	2	0	2	2	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
Total NEDA Co-Gen		43	43	36	38	39	37	30	37	36	39	41	39	38	36	38	39	40	44	32	41	30	40	33	26	39	42	30	31	41	32	31	33	35	32	23	38	42	46	40	26	27	34	37	42	42	48	52	47
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		16619	16306	15917	15634	15308	15136	14915	14640	14350	14244	14060	13973	14040	14030	13966	13776	13796	14201	14383	14558	14803	14926	15016	15038	15159	15172	15121	15125	15347	15508	16008	16215	16387	16495	16388	16051	15649	15510	15727	16597	17075	17097	16977	16790	16557	16450	16388	16204
KHTC	BLK1	-43	-44	-42	-44	-41	-39	-37	-36	-35	-36	-33	-35	-33	-34	-33	-35	-35	-37	-36	-37	-37	-41	-46	-50	-49	-48	-51	-52	-51	-53	-54	-55	-52	-52	-47	-49	-49	-46	-45	-42	-40	-38	-35	-37	-35	-32		
Total Franchise Area		-43	-44	-42	-44	-41	-39	-37	-36	-35	-36	-33	-35	-33	-34	-33	-35	-35	-37	-36	-37	-37	-41	-46	-50	-49	-48	-51	-52	-51	-53	-54	-55	-52	-52	-47	-49	-49	-46	-45	-42	-40	-38	-35	-37	-35	-32		
Singapore		21	45	2	9	-2	18	17	5	13	9	12	14	21	18	-2	0	-6	8	-31	-57	-47	-59	-20	-36	-3	-3	19	-5	15	-26	38	16	27	28	18	-18	-2	-23	-15	-10	16	0	18	8	17	-20	-4	-19
Thailand		29	30	30	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	
Interconnection		50	75	32	69	57	78	76	64	73	69	72	73	81	77	57	60	53	68	28	2	13	0	39	24	57	57	78	54	74	33	98	76	87	87	77	42	58	36	44	49	75	60	77	67	76	40	55	41
Total Demand		16529	16190	15846	15524	15213	15022	14805	14543	14245	14142	13955	13870	13927	13923	13878	13686	13712	14102	14322	14524	14757	14893	14944	14977	15060	15069	14998	15027	15226	15427	15863	16090	16250	16357	16263	15961	15548	15429	15638	16505	16958	16998	16863	16688	16449	16376	16301	16134
SRev ST-Coal		129	156	450	452	119	114	144	408	147	147	152	161	157	159	137	169	156	167	185	125	100	131	110	124	120	110	110	122	108	118	128	126	111	127	116	130	126	137	122	123	130	130	127	133	137	127	130	133
SRev CCGT-Gas		813	865	683	950	864	899	817	609	791	774	826	808	840	838	884	1047	1114	828	779	723	706	659	696	770	674	700	823	807	691	704	352	513	303	271	264	271	504	591	310	382	332	253	259	334	541	411	476	481
SRev Co-Gen		0	0	-1	0	2	1	-2	1	-1	0	0	0	1	0	0	-1	0	0	0	0	2	0	0	1	0	0	0	-1	0	0	0	0	0	0	-1	0	0	0	0	2	0	-1	-3	0	-1	1	2	0
Syncon		313	126	126	126	126	126	126	277	615	802	802	802	802	953	953	953	953	953	953	953	953	802	953	802	1041	1041	890	1041	1041	667	667	516	277	277	277	802	1041	1041	277	0	126	313	500	500	500	500	503	
Hydro		429	364	348	364	367	364	485	477	454	615	406	499	403	411	453	329	311	337	331	491	473	288	461	262	449	261	209	340	209	162	341	214	303	402	357	569	269	266	284	531	571	509	442	366	388	348	346	417
S.Reserve Total		1684	1511	1606	1892	1478	1504	1570	1621	1517	1813	1999	2270	2203	2210	2276	2497	2534	2285	2248	2292	2234	2031	2069	2110	2045	2112	2270	2245	2136	2112	1575	1607	1320	1077	1013	1247	1701	2035	1757	1315	1033	1017	1138	1333	1565	1387	1454	1534