

### Availability at Daily Maximum Demand Hour

ST-Coal	9,261 MW
ST-Gas	494 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,347 MW
Distillate	0 MW
Others	0 MW
Gas	9,382 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,824 MW</b>

### Maximum Demand Record

Date: 4/29/2024	20,028 MW
Date: 4/3/2024	423,300 MWH

### Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	185
CBPS	49
EMPP	286
KLPP	70
NPRI	75
PCGP	83
SGRI	119
SKSP	50
SPGP	200
PKLG	36
<b>Total Gas</b>	<b>1,203</b>

### Alternate Fuel Usage

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

### Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	20,894 MW
Spinning Reserve	1,096 MW
Maximum Demand	19,736 MW
Net Energy	416,064 MWH
Load Factor	88 %

### Generation Mix

Type	MWh	Percentage
ST-Coal	217,935	52.38 %
ST-Gas	3,483	0.84 %
LSS	9,027	2.17 %
Hydro	14,984	3.60 %
Gas	173,261	41.64 %
Co-Gen	-1,531	-0.37 %
<b>Total Generation</b>	<b>417,159</b>	<b>100.26 %</b>
PLTG	365	0.09 %
HVDC	730	0.18 %
<b>Interconnection</b>	<b>1,095</b>	<b>0.26 %</b>
<b>Net Energy</b>	<b>416,064</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	100,268,130.89 RM
Cost per Unit	23.93 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	577
Hydro	371
Syncon	706
Thermal	217
<b>Total</b>	<b>1,871</b>

**Total Gas Required 1,203**

### Time Weather Temperature

Afternoon	Hot	32
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	17287	16490	15897	15406	14966	14675	14969	14781	14981	16671	17382	17970	17969	17924	18808	19189	19592	19385	18275	18101	18957	18932	18475	18123

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 4:24:56 PM

(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																												
Total Hydro		531	563	522	491	482	542	539	489	310	295	297	300	350	353	319	324	348	362	402	403	403	448	395	391	344	364	363	431	510	738	713	921	1348	1541	1262	781	595	597	611	1229	1311	1282	1231	982	825	629	633	456				
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	
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
PCUF	CUFG	9	9	9	8	8	8	8	10	10	7	8	10	9	8	8	9	10	10	9	10	5	4	3	4	4	4	4	4	6	13	11	9	9	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7		
PCUF	CUFK	5	6	5	6	6	5	5	7	8	7	6	7	7	7	6	8	8	8	8	7	7	2	0	0	2	6	1	1	2	1	1	2	1	2	1	3	2	3	4	3	2	1	1	2	3	2	5	4	6	6		
Total NEDA Co-Gen		14	15	14	14	14	13	13	17	18	14	14	17	16	15	14	17	18	18	16	17	7	4	3	6	10	5	5	6	7	14	13	10	11	8	10	9	9	11	10	9	8	9	9	10	9	10	9	12	11	13		
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
Total Generation		17385	16969	16614	16342	16010	15768	15554	15303	15084	14988	14811	14877	15043	15071	14879	14782	15032	16150	16737	17140	17466	17846	18107	18294	18123	17947	18025	18567	18881	19402	19378	19548	19782	19892	19573	18984	18476	18073	18219	18992	19069	19123	19045	18854	18596	18530	18248	17979				
ESTL	ESTL	-22	-15	-14	-24	-20	-16	-26	-17	-25	-22	-14	-13	-20	-16	-22	-17	-21	-14	-23	-26	-30	-20	-15	-26	-18	-19	-18	-18	-17	-20	-18	-24	-22	-27	-26	-30	-25	-22	-10	-10	-10	-17	-15	-15	-20	-24	-16					
KHTC	BLK1	-42	-44	-43	-41	-42	-42	-41	-42	-41	-41	-44	-41	-40	-45	-41	-40	-46	-49	-53	-56	-58	-60	-67	-68	-70	-69	-71	-72	-73	-79	-93	-92	-86	-75	-72	-62	-59	-52	-54	-54	-53	-53	-54	-51	-51	-51	-49	-53				
Total Franchise Area		-64	-59	-57	-65	-62	-58	-67	-59	-66	-66	-66	-55	-53	-65	-57	-62	-63	-70	-67	-79	-84	-90	-87	-83	-96	-87	-90	-90	-91	-96	-113	-110	-110	-97	-99	-88	-89	-77	-76	-64	-63	-63	-71	-66	-66	-71	-73	-69				
Singapore		8	8	38	5	24	19	52	25	26	56	44	16	-7	-3	13	-12	-41	-17	-30	-44	-28	4	21	40	31	5	-15	-26	-46	-19	47	27	52	30	61	82	84	46	13	7	23	9	15	1	29	19	24	15				
Thailand		29	32	31	29	30	32	32	29	29	29	29	31	29	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31				
Interconnection		37	40	70	34	54	51	84	54	55	86	73	45	24	26	44	19	-9	15	2	-15	3	35	53	71	61	37	14	3	-15	13	79	56	83	62	92	113	115	75	45	36	52	39	45	30	58	48	55	44				
Total Demand		17287	16873	16490	16246	15897	15662	15406	15193	14966	14839	14675	14780	14969	14983	14781	14704	14981	16068	16671	17079	17382	17724	17970	18143	17969	17826	17924	18477	18808	19296	19189	19385	19592	19736	19385	18786	18275	17924	18101	18895	18957	19024	18932	18761	18475	18414	18123	17869				
SRev ST-Coal		190	190	202	183	165	183	165	181	180	175	166	168	169	175	178	152	186	156	177	179	169	232	239	202	179	201	179	179	183	178	192	211	201	168	181	182	173	230	259	144	170	200	180	168	174	163	170	168				
SRev CCGT-Gas		932	1181	1166	1426	1767	2050	2279	2468	2510	2592	2780	2718	2600	2568	2722	2894	2748	1863	1535	1347	1163	871	698	553	792	995	901	729	526	489	405	433	228	290	255	206	532	936	550	257	271	244	291	244	334	225	503	592				
SRev ST-Gas		58	105	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	29	29	29	29	29	29	29	29	29	29	29				
Syncon		890	739	827	890	890	890	890	991	991	991	991	991	991	991	928	928	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079			
Hydro		331	450	403	284	380	320	323	286	364	379	377	374	324	321	505	500	325	311	271	270	270	401	303	307	354	334	335	267	440	575	449	241	290	247	677	658	543	541	527	408	326	355	557	281	438	634	630	583				
S.Reserve Total		2401	2665	2628	2812	3232	3472	3687	3854	4074	4166	4344	4280	4113	4083	4362	4502	4367	3438	3091	2904	2709	2462	2348	2170	2429	2640	2524	2282	2006	1736	1717	1531	1069	1096	1318	1752	2093	2536	2169	1266	1224	1256	1334	1524	1775	1852	2134	2022				