

### Availability at Daily Maximum Demand Hour

ST-Coal	10,726 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	9,492 MW
Co-Gen	0 MW
<b>Total System</b>	<b>24,685 MW</b>

### Maximum Demand Record

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

### Set On Bus And MD

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	19,512 MW
Spinning Reserve	1,141 MW
Maximum Demand	18,340 MW
Net Energy	396,401 MWH
Load Factor	90 %

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	138
CBPS	45
EMPP	257
NPRI	69
PCGP	82
SKSP	5
SPGP	196
<b>Total Gas</b>	<b>819</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	247,064	62.33 %
LSS	10,308	2.60 %
Hydro	14,622	3.69 %
Gas	125,639	31.69 %
Co-Gen	-282	-0.07 %
<b>Total Generation</b>	<b>397,351</b>	<b>100.24 %</b>
PLTG	224	0.06 %
HVDC	726	0.18 %
<b>Interconnection</b>	<b>950</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>396,401</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	87,181,174.27 RM
Cost per Unit	21.87 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,427
Hydro	350
Syncon	857
Thermal	351
<b>Total</b>	<b>2,985</b>

Time	Weather	Temperature
Afternoon	Hot	33
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	18249	17623	16843	16241	15816	15443	15125	14637	13850	14584	15242	15705	15781	15800	16587	16926	17242	17339	17173	17254	18083	18340	18212	18049

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:25:11 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Saturday

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	17	19	20	22	11	12	9	22	11	14	12	10	24	23	25	24	14	17	16	6	18	15	17	20	21	10	13	18	8	4	14	14	14	6	15	17	15	18	14	17	20	15	19	10	19	12	15	21		
PCUF	CUFG	21	20	20	19	20	21	22	21	22	22	21	22	22	23	22	21	19	20	21	20	21	20	19	20	19	20	19	18	18	19	19	19	20	20	20	20	19	21	21	20	20	20	20	20	20	19	20	19		
PCUF	CUFK	10	10	10	9	10	9	10	10	9	10	10	9	9	9	9	10	8	6	6	5	4	4	4	4	4	4	4	4	3	4	4	3	4	4	4	5	5	5	5	7	6	6	5	5	5	8	9	11	10	
Total NEDA Co-Gen		48	49	50	50	41	42	41	53	42	46	42	42	54	53	57	56	46	48	46	35	46	42	43	46	45	33	37	41	30	25	37	37	36	30	39	42	39	44	42	43	46	40	44	35	47	40	46	50		
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		18315	18121	17745	17290	16930	16686	16341	16033	15901	15639	15519	15351	15204	15101	14710	14091	13911	14369	14613	14925	15295	15597	15766	15821	15862	15791	15908	16303	16697	16981	17021	17280	17362	17570	17474	17373	17304	17259	17362	17690	18194	18426	18417	18420	18300	18325	18146	18157		
KHTC	BLK1	-53	-51	-50	-48	-51	-51	-49	-47	-48	-49	-43	-44	-41	-43	-39	-39	-39	-44	-44	-50	-52	-55	-54	-57	-55	-55	-56	-55	-59	-64	-62	-68	-66	-70	-72	-75	-76	-73	-65	-66	-68	-65	-57	-52	-53	-50	-51	-54		
Total Franchise Area		-53	-51	-50	-48	-51	-51	-49	-47	-48	-49	-43	-44	-41	-43	-39	-39	-39	-44	-44	-50	-52	-55	-54	-57	-55	-55	-56	-55	-59	-64	-62	-68	-66	-70	-72	-75	-76	-73	-65	-66	-68	-65	-57	-52	-53	-50	-51	-54		
Singapore		-14	56	44	40	9	33	24	2	10	-10	5	10	12	23	7	28	-4	-11	-42	-36	-25	-16	-19	-19	0	-13	26	-2	25	28	5	28	28	42	37	25	28	0	17	10	16	-3	-6	2	6	4	20	20		
Thailand		30	30	31	31	30	30	30	30	30	30	31	31	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	32	32	30	30	30	30	31	31	30	30	29	29	30	29	31	31	29	32		
Interconnection		16	86	75	71	39	63	54	32	40	20	36	40	41	53	37	58	26	19	-11	-5	5	14	11	11	30	18	56	29	55	58	37	60	58	72	67	55	59	31	47	40	46	26	23	31	38	35	49	52		
Total Demand		18249	17987	17623	17174	16843	16575	16241	15957	15816	15573	15443	15270	15125	15008	14637	13998	13850	14310	14584	14884	15242	15532	15705	15757	15781	15722	15800	16223	16587	16863	16926	17156	17242	17432	17339	17247	17173	17159	17254	17587	18083	18338	18340	18340	18212	18243	18049	18054		
SRev ST-Coal		179	186	173	196	181	189	177	181	173	165	177	172	188	189	177	412	510	519	505	508	495	489	424	437	433	421	430	420	246	258	242	278	285	252	253	312	257	191	266	245	248	206	242	225	234	214	208	173		
SRev CCGT-Gas		191	176	312	610	859	682	1010	1348	1456	1725	1828	1991	2132	2246	2648	2932	2818	2539	2532	2386	2257	2060	2050	2037	2032	2147	2098	1720	1699	1390	1301	1029	855	599	594	392	329	207	189	220	191	187	172	172	240	171	179	221		
SRev Co-Gen		0	1	-1	-1	0	3	0	-1	2	0	-3	1	0	0	0	1	-1	0	-2	0	1	0	0	0	0	0	0	0	0	0	-1	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Syncon		588	588	1142	1142	1142	1142	1142	991	1142	1142	1142	1142	991	991	1142	991	1142	1142	1142	1142	991	1142	1142	1142	1142	991	1142	1142	991	1142	1142	1142	1142	1142	1142	1142	1142	1142	890	854	126	126	126	126	126	313	500	500		
Hydro		531	734	259	263	260	218	246	375	245	250	251	261	263	401	406	285	389	249	241	252	214	382	242	251	222	346	335	184	201	333	201	204	204	282	157	223	182	221	421	293	667	621	613	618	673	563	489	425		
S.Reserve Total		1489	1685	1885	2210	2442	2234	2575	2894	3018	3282	3395	3567	3725	3827	4222	4772	4707	4449	4418	4288	4109	3922	3858	3867	3829	3905	3854	3466	3288	2972	2885	2653	2485	2124	2146	2069	1910	1761	1765	1612	1232	1140	1153	1141	1273	1260	1376	1319		