

### Availability at Daily Maximum Demand Hour

ST-Coal	8,842 MW
ST-Gas	340 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,347 MW
Distillate	0 MW
Others	0 MW
Gas	9,492 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,361 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:	16:30:00 Hour
Total Set On Bus	20,980 MW
Spinning Reserve	1,351 MW
Maximum Demand	19,563 MW
Net Energy	417,817 MWH
Load Factor	89 %

### Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	195
CBPS	50
EMPP	300
KLPP	78
NPRI	76
PCGP	88
SGRI	103
SKSP	28
SPGP	174
PKLG	67
<b>Total Gas</b>	<b>1,210</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	217,646	52.09 %
ST-Gas	6,416	1.54 %
LSS	8,819	2.11 %
Hydro	15,715	3.76 %
Gas	170,922	40.91 %
Co-Gen	-708	-0.17 %
<b>Total Generation</b>	<b>418,810</b>	<b>100.24 %</b>
PLTG	265	0.06 %
HVDC	728	0.17 %
<b>Interconnection</b>	<b>993</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>417,817</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	99,765,171.98 RM
Cost per Unit	23.74 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	407
Hydro	286
Syncon	732
Thermal	211
<b>Total</b>	<b>1,636</b>

**Total Gas Required 1,210**

### 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	17465	16649	15995	15559	15163	14902	15051	14974	15146	16659	17521	18159	18195	18040	18833	19314	19503	19091	18081	18124	19047	19080	18574	18139

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 4:30:58 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Wednesday

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		862	609	596	511	482	486	503	416	438	405	406	423	399	405	405	359	403	401	409	411	367	428	582	675	576	445	489	568	569	860	846	906	941	1041	857	674	655	674	666	1068	1121	1169	1142	1051	1021	983	793	549				
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	2	52	211	374	628	747	895	1043	1041	1048	1132	1154	1082	1063	1049	1117	1086	933	906	809	590	387	199	81	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	0	12	10	16	14	11	8	0	8	15	15	17	14	16	15	0	0	15	10	16	0	8	4	7	14	19	12	0	0	0	0	4	0	1	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	8	8	10	8	9	9	8	10	8	8	8	11	8	8	9	9	8	11	8	10	9	9	9	8	10	9	9	10	9	10	8	9	12	16	17	18	10	9	9	9	9	16	16	16	10	9	9	9	9			
PCUF	CUFK	29	29	30	30	30	29	29	29	30	27	27	29	29	30	10	5	5	3	5	3	3	1	1	1	0	1	2	0	0	0	1	0	1	2	1	13	13	13	13	13	13	12	4	14	17	17	18	7	4			
Total NEDA Co-Gen		37	49	50	54	53	49	45	39	40	43	50	52	57	52	34	29	14	11	31	21	29	10	18	14	15	25	30	21	10	9	11	8	14	14	18	46	39	23	22	22	21	13	30	33	33	28	16	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	
Total Generation		17526	17051	16729	16364	16073	15900	15667	15459	15245	15058	14986	14960	15102	15279	15047	14771	15203	16155	16692	17205	17581	17909	18243	18468	18322	18148	18143	18611	18947	19289	19431	19543	19637	19702	19273	18723	18239	18031	18210	19040	19158	19234	19209	18953	18687	18594	18260	18020				
ESTL	ESTL	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	
KHTC	BLK1	-45	-45	-44	-44	-43	-42	-43	-44	-41	-42	-42	-41	-39	-44	-44	-43	-48	-52	-57	-62	-65	-67	-69	-70	-68	-75	-75	-76	-81	-80	-76	-76	-78	-76	-78	-69	-68	-53	-46	-46	-44	-46	-45	-44	-46	-45	-44	-43	-44			
PCUF	CUFK	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 Franchise Area		-45	-45	-44	-44	-43	-42	-43	-44	-41	-42	-42	-41	-39	-44	-44	-43	-48	-52	-57	-62	-65	-67	-69	-70	-68	-75	-75	-76	-82	-80	-76	-76	-78	-76	-78	-69	-68	-53	-46	-46	-44	-46	-45	-44	-46	-45	-44	-43	-44			
Singapore		-11	12	10	-7	8	13	36	13	14	30	15	4	-16	15	1	-1	-18	-9	-50	-43	-32	-54	-13	11	33	-15	2	23	7	-12	14	40	29	36	76	64	62	34	13	11	26	20	30	19	14	28	27	17				
Thailand		30	31	29	29	30	30	31	31	30	30	30	31	31	31	31	30	30	31	31	31	31	30	30	30	30	30	29	30	30	31	31	31	31	31	31	31	30	30	29	29	30	29	30	29	32	31	32	32				
Interconnection		19	42	39	22	38	43	68	45	44	61	45	34	15	46	32	30	13	21	-20	-12	-1	-24	18	41	63	15	32	53	36	17	44	70	59	66	107	95	93	65	43	42	56	49	60	48	46	60	59	49				
Total Demand		17465	16967	16649	16301	15995	15818	15559	15373	15163	14958	14902	14888	15051	15192	14974	14701	15146	16086	16659	17159	17521	17870	18159	18361	18195	18062	18040	18486	18833	19196	19314	19400	19503	19563	19091	18562	18081	17916	18124	18939	19047	19122	19080	18850	18574	18478	18139	17924				
SRev ST-Coal		192	192	154	184	166	171	186	166	152	151	155	186	160	171	157	158	170	161	138	192	180	181	151	162	173	140	132	158	155	209	158	158	121	187	226	222	215	187	238	165	189	160	180	217	176	181	174	186				
SRev CCGT-Gas		729	564	524	504	882	1050	1282	1417	1667	1825	1914	1933	1972	1786	2016	2380	2123	1440	1058	602	500	414	393	347	517	646	986	654	290	487	504	299	256	278	369	566	837	749	594	224	223	217	212	343	433	303	365	346				
SRev ST-Gas		41	41	41	40	41	41	40	40	41	41	28	23	29	28	28	28	29	27	27	27	27	27	26	32	33	32	32	26	26	26	26	26	26	26	25	31	40	64	65	65	64	64	64	65	64	65	64	65	65			
SRev Co-Gen		0	0	1	0	-1	0	0	0	0	1	0	0	-1	-1	0	-1	2	-1	-1	0	-1	1	0	-1	0	1	0	0	1	-1	-1	-2	1	1	-1	0	0	0	-2	-2	-2	0	0	0	-1	0	1	0				
Syncon		802	802	802	890	890	890	890	739	890	890	739	890	890	890	890	890	890	890	890	890	890	739	703	577	552	890	890	890	890	703	615	802	802	615	802	651	802	651	802	802	615	615	615	802	802	802	802	890				
Hydro		311	302	315	312	341	337	360	319	448	330	329	463	336	330	330	376	332	334	326	324	368	458	340	373	497	290	246	167	166	149	439	192	157	244	241	575	443	575	432	155	289	241	268	172	202	240	430	313				
S.Reserve Total		2075	1901	1837	1930	2319	2489	2758	2832	3047	3238	3316	3344	3386	3204	3421	3831	3546	2851	2438	2035	1964	1820	1613	1490	1772	1999	2286	1895	1528	1573	1744	1475	1363	1351	1663	2039	2328	2202	2128	1409	1379	1297	1339	1598	1677	1590	1837	1800				