

### Availability at Daily Maximum Demand Hour

ST-Coal	10,162 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	8,772 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,401 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:	21:00:00 Hour
Total Set On Bus	18,183 MW
Spinning Reserve	1,701 MW
Maximum Demand	16,517 MW
Net Energy	345,422 MWH
Load Factor	87 %

### Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	155
CBPS	48
EMPP	296
NPRI	75
PCGP	89
SKSP	3
SPGP	103
<b>Total Gas</b>	<b>799</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	198,942	57.59 %
LSS	8,038	2.33 %
Hydro	13,932	4.03 %
Gas	123,928	35.88 %
Co-Gen	29	0.01 %
<b>Total Generation</b>	<b>344,869</b>	<b>99.84 %</b>
PLTG	139	0.04 %
EGAT	5	0.00 %
HVDC	-697	-0.20 %
<b>Interconnection</b>	<b>-553</b>	<b>-0.16 %</b>
<b>Net Energy</b>	<b>345,422</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	74,024,855.33 RM
Cost per Unit	21.40 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	451
Hydro	328
Syncon	1,065
Thermal	558
<b>Total</b>	<b>2,402</b>

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	15777	15109	14697	14149	13678	13330	13261	12898	12143	12303	12952	13315	13452	13723	14343	14614	14908	14967	14739	15208	16392	16517	16238	16170

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:05:06 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Sunday

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	23	21	21	21	22	23	23	22	22	23	24	23	22	22	22	21	21	20	19	20	19	20	20	21	21	21	21	19	20	21	21	21	23	21	21	22	22													
PCUF	CUFK	8	3	4	4	1	2	3	4	4	3	4	4	3	3	3	3	2	3	6	3	7	3	2	4	4	5	3	4	2	5	3	3	4	4	3	4	3	4	2	28	28	29	29	31	30	29	30			
Total NEDA Co-Gen		54	53	47	50	45	51	49	42	40	48	37	50	57	60	58	55	54	45	44	51	46	45	41	40	49	50	48	32	24	21	25	22	23	24	25	27	39	34	35	27	60	54	50	52	52	51	51	52		
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	
Total Generation		15752	15425	15078	14840	14689	14433	14135	13937	13696	13555	13333	13255	13265	13225	12908	12319	12151	12330	12290	12605	12956	13216	13312	13512	13463	13575	13767	14240	14441	14668	14659	14766	14901	15059	15044	14911	14779	14856	15248	16093	16421	16519	16517	16494	16227	16255	16203	15984		
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		
KHTC	BLK1	-40	-39	-40	-42	-41	-41	-41	-39	-38	-33	-34	-32	-34	-33	-34	-35	-35	-35	-37	-36	-38	-40	-42	-45	-46	-47	-47	-51	-53	-53	-59	-57	-56	-59	-58	-53	-46	-41	-36	-39	-40	-42	-38	-40	-39	-39	-37	-38		
Total Franchise Area		-40	-39	-40	-42	-41	-41	-41	-39	-38	-33	-34	-32	-34	-33	-34	-35	-35	-35	-37	-36	-38	-40	-42	-45	-46	-47	-47	-51	-53	-53	-59	-57	-59	-59	-58	-53	-46	-41	-36	-39	-40	-42	-38	-40	-39	-39	-37	-38		
Singapore		-34	-14	-39	-50	-16	5	-23	1	11	16	2	-20	2	1	7	7	6	22	-16	-13	-1	-4	-12	14	-3	-5	30	45	69	39	20	-22	-33	-7	52	49	27	40	35	30	20	25	-4	3	-18	-3	29	9		
Thailand		-28	-28	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-31	-31	-29	-28	-28	-30	-28		
Interconnection		-62	-43	-68	-79	-46	-25	-52	-28	-17	-12	-28	-50	-27	-28	-21	-21	-23	-7	-46	-43	-31	-34	-41	-15	-31	-34	1	16	41	11	-10	-52	-62	-36	23	20	-2	10	7	2	-8	-6	-35	-26	-47	-30	-1	-19		
Total Demand		15777	15432	15109	14880	14697	14420	14149	13929	13678	13537	13330	13276	13261	13223	12898	12309	12143	12306	12303	12616	12952	13214	13315	13486	13452	13566	13723	14177	14343	14608	14614	14765	14908	15040	14967	14842	14739	14809	15208	16055	16392	16486	16517	16483	16238	16249	16170	15968		
SRev ST-Coal		208	202	210	202	205	201	206	214	439	446	432	445	436	441	446	443	496	612	619	662	696	695	771	768	774	766	772	703	603	557	543	535	514	581	482	547	486	486	487	389	326	308	309	322	369	373	338	315		
SRev CCGT-Gas		168	296	645	657	361	406	748	888	838	939	1154	1240	1259	1312	1372	1763	1896	1535	1595	1242	1108	980	881	807	985	891	775	427	559	329	303	177	156	147	237	265	445	307	156	152	237	240	149	151	158	200	193	532		
SRev Co-Gen		1	0	-1	0	0	1	2	0	0	0	-2	-1	0	1	0	0	0	0	-1	1	1	-1	0	-1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	1	0	1	0	-1	0
Syncon		500	500	500	313	500	953	802	802	890	890	1041	1041	1041	890	1142	1230	1230	1230	1079	1230	1230	1230	1230	1079	1230	1079	1230	1230	1230	1079	1079	1230	1230	1230	1079	1079	1230	1230	1079	1079	1230	766	766	802	802	802	953	802	953	953
Hydro		506	571	332	459	575	350	439	479	425	441	307	306	303	433	363	287	285	258	396	261	263	265	263	393	264	399	264	264	278	210	307	430	370	128	185	182	421	421	38	160	187	326	440	426	430	510	463	470		
S.Reserve Total		1383	1569	1686	1631	1641	1911	2197	2383	2592	2716	2932	3031	3039	3077	3323	3723	3907	3635	3689	3394	3298	3171	3144	3047	3252	3136	3041	2624	2671	2326	2383	2221	2119	2086	2134	2224	2431	2293	1912	1467	1517	1679	1701	1701	1911	1885	1946	2270		