

### Availability at Daily Maximum Demand Hour

ST-Coal	10,902 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,529 MW
Distillate	0 MW
Others	0 MW
Gas	9,337 MW
Co-Gen	0 MW
<b>Total System</b>	<b>24,698 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:	20:30:00 Hour
Total Set On Bus	16,257 MW
Spinning Reserve	1,256 MW
Maximum Demand	15,036 MW
Net Energy	299,352 MWH
Load Factor	83 %

### Gas Usage

Station	(mmscfd)
GLGR	25
TJGS	50
CBPS	48
EMPP	286
NPRI	77
PCGP	87
SPGP	207
<b>Total Gas</b>	<b>780</b>
<b>Total Gas Required</b>	<b>780</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	150,921	50.42 %
LSS	9,964	3.33 %
Hydro	13,577	4.54 %
Gas	122,843	41.04 %
Co-Gen	921	0.31 %
<b>Total Generation</b>	<b>298,226</b>	<b>99.62 %</b>
PLTG	-424	-0.14 %
HVDC	-702	-0.23 %
<b>Interconnection</b>	<b>-1,126</b>	<b>-0.38 %</b>
<b>Net Energy</b>	<b>299,352</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	63,773,787.36 RM
Cost per Unit	21.34 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	814
Hydro	347
Syncon	887
Thermal	747
<b>Total</b>	<b>2,795</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	13838	13281	12729	12183	11858	11582	11453	11462	10783	10710	10943	11078	11089	11268	11722	11999	12237	12699	12939	13562	15031	14992	14761	14722

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:13:10 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																										
<b>Total Generation</b>		<b>13805</b>	<b>13472</b>	<b>13231</b>	<b>12946</b>	<b>12697</b>	<b>12477</b>	<b>12143</b>	<b>11968</b>	<b>11824</b>	<b>11690</b>	<b>11552</b>	<b>11464</b>	<b>11405</b>	<b>11453</b>	<b>11435</b>	<b>10956</b>	<b>10771</b>	<b>10738</b>	<b>10673</b>	<b>10784</b>	<b>10923</b>	<b>11026</b>	<b>11055</b>	<b>11080</b>	<b>11052</b>	<b>11092</b>	<b>11273</b>	<b>11525</b>	<b>11679</b>	<b>11914</b>	<b>12001</b>	<b>12029</b>	<b>12210</b>	<b>12498</b>	<b>12744</b>	<b>12799</b>	<b>12954</b>	<b>13225</b>	<b>13566</b>	<b>14496</b>	<b>15034</b>	<b>15034</b>	<b>14989</b>	<b>14897</b>	<b>14744</b>	<b>14702</b>	<b>14686</b>	<b>14611</b>		
KHTC	BLK1	-22	-21	-20	-18	-19	-17	-17	-16	-14	-13	-14	-14	-14	-15	-12	-12	-12	-16	-18	-19	-22	-24	-25	-25	-28	-28	-31	-32	-35	-35	-37	-43	-43	-43	-45	-45	-45	-46	-47	-40	-38	-36	-36	-34	-32	-29	-23	-25		
<b>Total Franchise Area</b>		<b>-22</b>	<b>-21</b>	<b>-20</b>	<b>-18</b>	<b>-19</b>	<b>-17</b>	<b>-17</b>	<b>-16</b>	<b>-14</b>	<b>-13</b>	<b>-14</b>	<b>-14</b>	<b>-14</b>	<b>-15</b>	<b>-12</b>	<b>-12</b>	<b>-12</b>	<b>-16</b>	<b>-18</b>	<b>-19</b>	<b>-22</b>	<b>-24</b>	<b>-25</b>	<b>-25</b>	<b>-28</b>	<b>-28</b>	<b>-31</b>	<b>-32</b>	<b>-35</b>	<b>-35</b>	<b>-37</b>	<b>-43</b>	<b>-43</b>	<b>-43</b>	<b>-45</b>	<b>-45</b>	<b>-45</b>	<b>-46</b>	<b>-47</b>	<b>-40</b>	<b>-38</b>	<b>-36</b>	<b>-36</b>	<b>-34</b>	<b>-32</b>	<b>-29</b>	<b>-23</b>	<b>-25</b>		
Singapore		-23	-38	-37	-18	-19	27	-26	-11	-16	-13	-13	-32	-30	-51	-7	-5	10	-5	-22	-28	-9	-39	-14	-16	-30	-58	6	-53	-44	-10	-2	-7	-36	-46	35	-9	5	-1	-11	-29	-4	-7	-6	-16	-17	-22	-26	-23		
Thailand		-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-31	-31	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29		
<b>Interconnection</b>		<b>-52</b>	<b>-68</b>	<b>-67</b>	<b>-47</b>	<b>-48</b>	<b>-3</b>	<b>-54</b>	<b>-39</b>	<b>-45</b>	<b>-42</b>	<b>-41</b>	<b>-61</b>	<b>-59</b>	<b>-80</b>	<b>-36</b>	<b>-34</b>	<b>-20</b>	<b>-35</b>	<b>-51</b>	<b>-57</b>	<b>-38</b>	<b>-68</b>	<b>-44</b>	<b>-45</b>	<b>-61</b>	<b>-88</b>	<b>-22</b>	<b>-82</b>	<b>-74</b>	<b>-39</b>	<b>-31</b>	<b>-36</b>	<b>-66</b>	<b>-76</b>	<b>4</b>	<b>-39</b>	<b>-26</b>	<b>-32</b>	<b>-40</b>	<b>-59</b>	<b>-32</b>	<b>-35</b>	<b>-36</b>	<b>-45</b>	<b>-46</b>	<b>-51</b>	<b>-56</b>	<b>-52</b>		
<b>Total Demand</b>		<b>13838</b>	<b>13522</b>	<b>13281</b>	<b>12978</b>	<b>12729</b>	<b>12466</b>	<b>12183</b>	<b>11994</b>	<b>11858</b>	<b>11722</b>	<b>11582</b>	<b>11514</b>	<b>11453</b>	<b>11521</b>	<b>11462</b>	<b>10981</b>	<b>10783</b>	<b>10761</b>	<b>10710</b>	<b>10826</b>	<b>10943</b>	<b>11074</b>	<b>11078</b>	<b>11104</b>	<b>11089</b>	<b>11156</b>	<b>11268</b>	<b>11579</b>	<b>11722</b>	<b>11922</b>	<b>11999</b>	<b>12026</b>	<b>12237</b>	<b>12535</b>	<b>12699</b>	<b>12797</b>	<b>12939</b>	<b>13215</b>	<b>13562</b>	<b>14518</b>	<b>15031</b>	<b>15036</b>	<b>14992</b>	<b>14911</b>	<b>14761</b>	<b>14727</b>	<b>14722</b>	<b>14641</b>		
SRev ST-Coal		610	615	740	743	740	742	835	885	885	884	883	885	885	885	884	886	884	885	884	886	886	883	886	884	885	886	887	887	885	884	884	885	885	886	885	884	882	834	655	496	338	342	342	384	409	328	342	333		
SRev CCGT-Gas		157	240	159	270	238	428	324	296	246	257	294	286	245	204	207	616	905	1148	1417	1527	1546	1542	1608	1550	1684	1610	1451	1180	1075	813	654	617	347	152	149	89	152	153	146	141	136	139	184	145	182	129	129	126		
SRev Co-Gen		0	1	1	0	1	0	0	4	0	0	2	0	-1	0	0	3	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	4	0	-1	0	0	0	-1	-3	0	0	0	-3	-2
Syncon		867	1054	903	903	903	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	1054	903	903	1054	903	1054	1054	1054	1054	1054	1054	1054	1054	903	1054	1054	1054	1054	903	903	1054	903	1054	1054	579	428	428	428	615	802	802	651	651		
Hydro		295	264	394	395	396	311	257	284	270	431	294	294	253	254	421	418	553	546	421	559	421	418	423	285	297	293	272	299	295	429	299	284	264	326	300	166	307	169	198	272	247	348	359	360	271	259	366	438		
<b>S.Reserve Total</b>		<b>1929</b>	<b>2174</b>	<b>2197</b>	<b>2311</b>	<b>2278</b>	<b>2535</b>	<b>2470</b>	<b>2523</b>	<b>2455</b>	<b>2475</b>	<b>2527</b>	<b>2519</b>	<b>2436</b>	<b>2397</b>	<b>2566</b>	<b>2977</b>	<b>3245</b>	<b>3484</b>	<b>3776</b>	<b>3875</b>	<b>3907</b>	<b>3897</b>	<b>3971</b>	<b>3773</b>	<b>3920</b>	<b>3843</b>	<b>3664</b>	<b>3421</b>	<b>3309</b>	<b>3029</b>	<b>2891</b>	<b>2841</b>	<b>2550</b>	<b>2267</b>	<b>2238</b>	<b>2197</b>	<b>2244</b>	<b>2209</b>	<b>2053</b>	<b>1488</b>	<b>1149</b>	<b>1256</b>	<b>1310</b>	<b>1504</b>	<b>1664</b>	<b>1518</b>	<b>1485</b>	<b>1546</b>		