

### Availability at Daily Maximum Demand Hour

ST-Coal	9,632 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,361 MW
Distillate	0 MW
Others	0 MW
Gas	8,848 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,021 MW</b>

### Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	<b>Total</b>	<b>0</b>
TJGS	82		
CBPS	39		
EMPP	241		
KLPP	47		
NPRI	122		
PCGP	75		
SGRI	40		
SPGP	175		
<b>Total Gas</b>	<b>849</b>		

### Alternate Fuel Usage

### Set On Bus And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	19,056 MW
Spinning Reserve	1,281 MW
Maximum Demand	17,899 MW
Net Energy	367,090 MWH
Load Factor	85 %

### Generation Mix

Type	MWh	Percentage
ST-Coal	220,018	59.94 %
LSS	8,540	2.33 %
Hydro	11,132	3.03 %
Gas	125,902	34.30 %
Co-Gen	-374	-0.10 %
<b>Total Generation</b>	<b>365,218</b>	<b>99.49 %</b>
PLTG	-1,178	-0.32 %
HVDC	-694	-0.19 %
<b>Interconnection</b>	<b>-1,872</b>	<b>-0.51 %</b>
<b>Net Energy</b>	<b>367,090</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	89,419,052.70 RM
Cost per Unit	24.39 cents/kWH

**Total Gas Required 849**

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,622
Hydro	262
Syncon	844
Thermal	202
<b>Total</b>	<b>2,930</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	15596	14933	14393	13836	13469	13208	13257	13186	13140	14269	14952	15238	15065	14919	15571	16075	16386	16395	16064	16257	17729	17899	17457	17212

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, July 12, 2024 10:06:13 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Monday

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																										
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4							
Total NEDA Co-Gen		21	21	21	22	24	24	24	44	41	44	42	41	42	44	44	42	42	44	43	41	41	42	47	41	54	52	43	44	43	39	41	42	40	40	41	40	40	40	41	40	41	40	41	40	40	41	41	44	43	44
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	
<b>Total Generation</b>		<b>15580</b>	<b>15133</b>	<b>14823</b>	<b>14629</b>	<b>14390</b>	<b>14098</b>	<b>13810</b>	<b>13579</b>	<b>13439</b>	<b>13301</b>	<b>13192</b>	<b>13193</b>	<b>13282</b>	<b>13354</b>	<b>13149</b>	<b>12950</b>	<b>13150</b>	<b>13737</b>	<b>14223</b>	<b>14598</b>	<b>14888</b>	<b>15091</b>	<b>15176</b>	<b>15247</b>	<b>15018</b>	<b>15053</b>	<b>15004</b>	<b>15374</b>	<b>15507</b>	<b>15829</b>	<b>16136</b>	<b>16268</b>	<b>16389</b>	<b>16475</b>	<b>16340</b>	<b>16138</b>	<b>16032</b>	<b>15957</b>	<b>16235</b>	<b>17132</b>	<b>17639</b>	<b>17813</b>	<b>17825</b>	<b>17682</b>	<b>17466</b>	<b>17277</b>	<b>17170</b>	<b>16930</b>		
ESTL	ESTL	-12	-12	-12	-17	-31	-24	-16	-15	-13	-23	-23	-18	-21	-13	-12	0	-20	-16	-24	-15	-7	-15	-25	0	-11	-18	-6	-4	-13	0	-20	-6	-18	-17	-12	-10	-5	0	0	0	-1	-6	-6	-14	-10	-8	-7	0		
KHTC	BLK1	-36	-33	-33	-33	-30	-31	-31	-29	-32	-31	-32	-28	-31	-30	-31	-31	-35	-36	-41	-39	-43	-43	-46	-46	-50	-51	-51	-57	-66	-58	-54	-55	-52	-53	-56	-54	-56	-56	-55	-52	-48	-51	-47	-44	-44	-44	-41	-42		
Total Franchise Area		-48	-45	-45	-50	-61	-55	-47	-44	-45	-54	-55	-46	-52	-43	-43	-31	-55	-52	-65	-54	-50	-58	-71	-46	-61	-69	-57	-61	-79	-58	-74	-61	-70	-70	-68	-64	-61	-56	-55	-52	-49	-57	-53	-58	-54	-52	-48	-42		
Singapore		-33	-77	-123	-29	-31	-38	-42	-32	-44	-94	-40	22	4	-58	-49	-12	-12	-35	-79	-7	-82	-100	-101	-92	-77	119	60	59	-111	-144	20	7	-35	-59	-91	-80	-62	-47	-45	-84	-107	-57	-95	-60	-12	-143	-60	-68		
Thailand		-28	-28	-28	-28	-29	-29	-28	-28	-28	-28	-28	-28	-28	-30	-30	-30	-29	-30	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-30	-30	-28	-28		
Interconnection		-61	-104	-152	-58	-61	-67	-70	-60	-72	-123	-68	-6	-24	-86	-77	-42	-42	-65	-108	-36	-111	-128	-130	-120	-105	90	31	30	-140	-174	-10	-23	-64	-88	-120	-109	-90	-75	-74	-113	-136	-86	-124	-89	-42	-173	-87	-95		
<b>Total Demand</b>		<b>15596</b>	<b>15195</b>	<b>14933</b>	<b>14640</b>	<b>14393</b>	<b>14113</b>	<b>13836</b>	<b>13598</b>	<b>13469</b>	<b>13373</b>	<b>13208</b>	<b>13156</b>	<b>13257</b>	<b>13400</b>	<b>13186</b>	<b>12964</b>	<b>13140</b>	<b>13753</b>	<b>14269</b>	<b>14583</b>	<b>14952</b>	<b>15164</b>	<b>15238</b>	<b>15324</b>	<b>15065</b>	<b>14897</b>	<b>14919</b>	<b>15286</b>	<b>15571</b>	<b>15948</b>	<b>16075</b>	<b>16233</b>	<b>16386</b>	<b>16496</b>	<b>16395</b>	<b>16186</b>	<b>16064</b>	<b>15979</b>	<b>16257</b>	<b>17196</b>	<b>17729</b>	<b>17845</b>	<b>17899</b>	<b>17716</b>	<b>17457</b>	<b>17401</b>	<b>17212</b>	<b>16986</b>		
SRev ST-Coal		157	160	165	168	160	286	507	493	586	569	593	569	707	709	697	717	694	577	561	455	284	246	245	258	256	290	246	243	170	166	163	158	169	166	158	187	176	169	143	175	182	158	180	160	197	176	167	173		
SRev CCGT-Gas		886	1334	1503	1709	1933	2222	2237	2791	2716	2776	2817	2831	2470	2447	2643	2831	2746	2614	2689	2528	2500	2531	2490	2498	2762	2616	2775	2463	2475	2183	1737	1416	1253	1068	1183	1331	1462	1509	1101	431	188	228	179	297	397	364	420	304		
SRev Co-Gen		0	1	1	0	0	-1	0	0	0	4	2	0	0	-2	1	0	0	0	0	0	0	0	-2	2	-1	-1	0	0	0	0	0	1	-1	2	0	0	0	0	0	0	1	3	0	-1	0	0	3	2		
Syncon		915	915	1016	865	1016	865	1016	915	915	764	915	915	915	915	764	915	915	915	865	1016	1016	1016	865	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	865	1016	1016	676	489	489	489	489	676	676	915			
Hydro		189	185	220	357	231	359	223	156	145	277	148	147	133	65	93	279	129	97	146	310	131	199	199	332	166	165	167	121	114	145	293	161	157	180	180	183	180	311	170	189	397	418	433	479	447	301	346	183		
<b>S.Reserve Total</b>		<b>2147</b>	<b>2595</b>	<b>2905</b>	<b>3099</b>	<b>3340</b>	<b>3731</b>	<b>3983</b>	<b>4355</b>	<b>4362</b>	<b>4390</b>	<b>4475</b>	<b>4462</b>	<b>4225</b>	<b>4134</b>	<b>4349</b>	<b>4591</b>	<b>4484</b>	<b>4203</b>	<b>4311</b>	<b>4158</b>	<b>3931</b>	<b>3990</b>	<b>3952</b>	<b>3952</b>	<b>4199</b>	<b>4087</b>	<b>4204</b>	<b>3843</b>	<b>3775</b>	<b>3510</b>	<b>3059</b>	<b>2750</b>	<b>2597</b>	<b>2430</b>	<b>2537</b>	<b>2717</b>	<b>2834</b>	<b>2854</b>	<b>2430</b>	<b>1811</b>	<b>1444</b>	<b>1296</b>	<b>1281</b>	<b>1424</b>	<b>1530</b>	<b>1517</b>	<b>1612</b>	<b>1577</b>		