

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,882 MW
Distillate	0 MW
<b>Total TNB</b>	<b>1,882 MW</b>
<b>Total IPP</b>	<b>15,278 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>20,802 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	23,926	6.53 %
Gas	52,890	14.42 %
<b>Total TNB</b>	<b>76,816</b>	<b>20.95 %</b>
ST-Coal	189,973	51.81 %
LSS	3,331	0.91 %
Gas	94,869	25.87 %
<b>Total IPP</b>	<b>288,173</b>	<b>78.59 %</b>
Co-Gen	453	0.12 %
<b>Total Co-Gen</b>	<b>453</b>	<b>0.12 %</b>
<b>Total Generation</b>	<b>365,442</b>	<b>99.66 %</b>
PLTG	-530	-0.14 %
HVDC	-700	-0.19 %
<b>Interconnection</b>	<b>-1,230</b>	<b>-0.34 %</b>
<b>Net Energy</b>	<b>366,672</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,369 MW
TNB Generation	3,997 MW
IPP Generation	13,300 MW
Spinning Reserve	1,061 MW
Maximum Demand	17,373 MW
Net Energy	366,672 MWH
Load Factor	87.94 %

### Fuel Cost

Total Cost:	44,987,385.83 RM
Cost per Unit	12.31 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	749
Hydro	404
Syncon	183
Thermal	129
<b>Total</b>	<b>1,465</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

### 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	15044	14336	13846	13448	12999	12822	12870	13061	13337	14759	15612	16073	16063	15986	16737	17207	17373	17043	15892	15544	16921	16862	16377	16069

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 5, 2021 3:51:23 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator





### Daily MW Generation on Tuesday

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																																								
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	10	18	25	30	37	41	45	48	50	50	47	48	46	41	37	39	33	29	20	14	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0															
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	22	28	33	37	39	42	44	47	42	37	46	43	36	37	32	27	21	14	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	11	13	22	20	28	30	30	30	30	30	30	30	22	30	10	23	18	15	9	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	33	23	27	31	50	49	35	48	50	47	32	50	38	45	34	26	20	9	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	16	27	36	42	48	52	52	46	36	32	25	17	51	49	47	40	34	34	13	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	17	22	26	30	35	37	38	40	43	42	42	41	38	32	30	26	21	16	10	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	14	17	20	12	13	14	21	18	31	26	29	19	26	22	19	15	11	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
<b>Total LSS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>30</b>	<b>81</b>	<b>146</b>	<b>246</b>	<b>291</b>	<b>340</b>	<b>388</b>	<b>433</b>	<b>440</b>	<b>438</b>	<b>428</b>	<b>432</b>	<b>409</b>	<b>400</b>	<b>385</b>	<b>400</b>	<b>375</b>	<b>333</b>	<b>263</b>	<b>207</b>	<b>117</b>	<b>64</b>	<b>20</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>											
PCUF	CUFG	48	7	3	5	6	3	5	5	4	3	5	5	4	4	4	3	5	5	4	4	4	6	4	6	7	6	7	6	7	7	6	7	7	6	7	7	6	7	6	7	8	49	49	48	48	48	47	49	49															
PCUF	CUFK	6	5	4	4	3	5	7	6	4	4	4	3	6	5	6	3	4	6	5	5	4	3	6	4	6	4	4	5	4	4	4	4	4	4	4	4	4	4	6	3	6	5	12	12	11	11	11	11	11	10	10													
<b>Total Co-Gen</b>		<b>54</b>	<b>12</b>	<b>7</b>	<b>9</b>	<b>9</b>	<b>8</b>	<b>12</b>	<b>11</b>	<b>8</b>	<b>7</b>	<b>9</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>11</b>	<b>7</b>	<b>10</b>	<b>10</b>	<b>9</b>	<b>8</b>	<b>9</b>	<b>8</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>12</b>	<b>8</b>	<b>12</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>11</b>	<b>11</b>	<b>12</b>	<b>10</b>	<b>14</b>	<b>54</b>	<b>61</b>	<b>60</b>	<b>59</b>	<b>59</b>	<b>58</b>	<b>60</b>	<b>59</b>																	
<b>Total Gen</b>		<b>14996</b>	<b>14544</b>	<b>14280</b>	<b>13972</b>	<b>13775</b>	<b>13553</b>	<b>13355</b>	<b>13093</b>	<b>13006</b>	<b>12864</b>	<b>12779</b>	<b>12757</b>	<b>12825</b>	<b>12979</b>	<b>13001</b>	<b>13010</b>	<b>13280</b>	<b>14156</b>	<b>14686</b>	<b>15203</b>	<b>15534</b>	<b>15776</b>	<b>16013</b>	<b>16162</b>	<b>16006</b>	<b>15873</b>	<b>15977</b>	<b>16341</b>	<b>16719</b>	<b>17082</b>	<b>17186</b>	<b>17297</b>	<b>17308</b>	<b>17276</b>	<b>17047</b>	<b>16377</b>	<b>15874</b>	<b>15518</b>	<b>15528</b>	<b>16300</b>	<b>16884</b>	<b>16908</b>	<b>16777</b>	<b>16613</b>	<b>16308</b>	<b>16255</b>	<b>16023</b>	<b>15735</b>																
TIE-EGAT		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	0	0	0									
TIE-HVDC		-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29									
TIE-PLTG		-19	-61	-26	-66	-41	-36	-64	-68	36	15	-14	54	-16	-18	-31	-28	-28	6	-43	-51	-49	-82	-31	-41	-28	-62	19	0	11	-16	9	22	-36	-62	33	-2	11	-27	13	-40	-8	-18	-55	-47	-41	-37	-18	23	23	23	23	23	23	23	23									
Interconnection		-48	-91	-56	-96	-71	-65	-93	-98	7	-14	-43	25	-45	-48	-60	-57	-57	-23	-73	-81	-78	-111	-60	-70	-57	-91	-9	-28	-18	-45	-21	-8	-65	-91	4	-31	-18	-57	-16	-70	-37	-48	-85	-76	-69	-67	-46	-5	-5	-5	-5	-5	-5	-5	-5	-5								
<b>System Total</b>		<b>15044</b>	<b>14635</b>	<b>14336</b>	<b>14068</b>	<b>13846</b>	<b>13618</b>	<b>13448</b>	<b>13191</b>	<b>12999</b>	<b>12878</b>	<b>12822</b>	<b>12732</b>	<b>12870</b>	<b>13027</b>	<b>13061</b>	<b>13067</b>	<b>13337</b>	<b>14179</b>	<b>14759</b>	<b>15284</b>	<b>15612</b>	<b>15887</b>	<b>16073</b>	<b>16232</b>	<b>16063</b>	<b>15964</b>	<b>15986</b>	<b>16369</b>	<b>16737</b>	<b>17127</b>	<b>17207</b>	<b>17305</b>	<b>17373</b>	<b>17367</b>	<b>17043</b>	<b>16408</b>	<b>15892</b>	<b>15575</b>	<b>15544</b>	<b>16370</b>	<b>16921</b>	<b>16956</b>	<b>16862</b>	<b>16689</b>	<b>16377</b>	<b>16322</b>	<b>16069</b>	<b>15740</b>																
SRev ST-Coal		220	343	321	305	301	304	302	307	303	316	304	301	311	301	301	305	308	150	157	185	196	177	188	198	217	200	164	152	101	87	96	80	82	104	105	95	93	94	84	99	91	100	85	97	112	88	106	98	98	98	98	98	98	98	98	98								
SRev CCGT-Gas		1656	1478	1539	1436	1659	1742	1933	2164	2200	2331	2272	2289	2244	2196	2181	2197	2026	1820	1561	1354	1243	1060	1045	928	1103	1150	1343	909	697	563	393	468	300	274	398	733	1133	1374	1327	694	337	467	524	709	809	846	1038	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284		
SRev LSS		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	0	0	0	0	0	0	0	0	0			
SRev ST-Gas		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	0	0	0	0	0	0	0					
SRev OCGT-Gas		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	0	0	0	0	0	0	0					
SRev Co-Gen		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	0	0	0	0	0	0	0					
Syncon		0	0	0	389	389	576	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663	663								
Hydro		413	372	437	197	169	129	47	74	113	117	282	282	208	115	102	76	43	74	81	206	307	162	457	465	491	522	565	510	488	379	423	536	528	522	574	307	322	384	385	422	442	292	436	402	492	381	255	304	304	304	304	304	304	304	304	304	304	304	304	304	304	304	304	304
<b>S.Reserve Total</b>		<b>2289</b>	<b>2193</b>	<b>2297</b>	<b>2327</b>	<b>2518</b>	<b>2751</b>	<b>2945</b>	<b>3208</b>	<b>3279</b>	<b>3427</b>	<b>3521</b>	<b>3535</b>	<b>3426</b>	<b>3275</b>	<b>3247</b>	<b>3241</b>	<b>3040</b>	<b>2707</b>	<b>2375</b>	<b>2170</b>	<b>1933</b>	<b>1737</b>	<b>1690</b>	<b>1811</b>	<b>1872</b>	<b>2072</b>	<b>1571</b>	<b>1286</b>	<b>1029</b>	<b>912</b>	<b>1084</b>	<b>1061</b>	<b>1051</b>	<b>1228</b>	<b>1624</b>	<b>2037</b>	<b>2341</b>	<b>2285</b>	<b>1517</b>	<b>1172</b>	<b>1161</b>	<b>1347</b>	<b>1510</b>	<b>1715</b>	<b>1617</b>	<b>1701</b>	<b>1988</b>																	