

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,367 MW
Hydro	1,928 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,295 MW</b>
<b>Total IPP</b>	<b>13,599 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,894 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	61,823	18.81 %
Hydro	9,397	2.86 %
<b>Total TNB</b>	<b>71,220</b>	<b>21.67 %</b>
ST-Coal	146,922	44.71 %
ST-Gas	3,137	0.95 %
ST-Oil	3,590	1.09 %
Gas	103,048	31.36 %
<b>Total IPP</b>	<b>256,697</b>	<b>78.12 %</b>
Co-Gen	501	0.15 %
<b>Total Co-Gen</b>	<b>501</b>	<b>0.15 %</b>
<b>Total Generation</b>	<b>328,418</b>	<b>99.94 %</b>
PLTG	-186	-0.06 %
<b>Interconnection</b>	<b>-186</b>	<b>-0.06 %</b>
<b>Net Energy</b>	<b>328,604</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

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

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	16,408 MW
TNB Generation	3,009 MW
IPP Generation	11,912 MW
Spinning Reserve	1,466 MW
Maximum Demand	14,922 MW
Net Energy	328,604 MWH
Load Factor	91.76 %

### Fuel Cost

Total Cost:	46,446,509.75 RM
Cost per Unit	14.56 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	532
Hydro	302
Syncon	527
Thermal	121
<b>Total</b>	<b>1,482</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
CBPS	1
GLGR	57
PAKA	143
PGPS	42
TJGS	219
<b>Total TNB</b>	<b>463</b>
CBPS	56
KLPP	78
MPSS	50
NPRI	111
PGLA	108
PLPS	93
SGB3	57
SGRI	164
SKSP	54
PKLG	31
<b>Total IPP</b>	<b>803</b>
<b>Total Gas</b>	<b>1,266</b>
<b>Total Gas Required</b>	<b>1,301</b>

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	35
<b>Total</b>	<b>35</b>

### 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	13947	13407	12924	12575	12180	12112	12075	11785	11687	13003	13891	14618	14690	14396	14754	14751	14706	14322	13749	13876	14857	14867	14530	14322





**Daily MW Generation on Saturday**

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																											
TMGR	HY01	39	38	39	37	39	38	35	37	38	39	37	38	40	39	36	34	33	32	32	35	35	37	33	32	29	33	31	35	31	32	32	33	31	31	34	25	32	34	35	33	31	33	31	31	31	28	28	38			
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
<b>Total Hydro</b>		<b>280</b>	<b>277</b>	<b>253</b>	<b>228</b>	<b>230</b>	<b>232</b>	<b>225</b>	<b>227</b>	<b>182</b>	<b>186</b>	<b>181</b>	<b>183</b>	<b>185</b>	<b>185</b>	<b>202</b>	<b>179</b>	<b>178</b>	<b>176</b>	<b>173</b>	<b>188</b>	<b>206</b>	<b>411</b>	<b>693</b>	<b>886</b>	<b>859</b>	<b>810</b>	<b>712</b>	<b>753</b>	<b>985</b>	<b>930</b>	<b>776</b>	<b>769</b>	<b>599</b>	<b>576</b>	<b>278</b>	<b>199</b>	<b>210</b>	<b>263</b>	<b>250</b>	<b>423</b>	<b>572</b>	<b>382</b>	<b>380</b>	<b>322</b>	<b>342</b>	<b>327</b>	<b>237</b>	<b>258</b>			
<b>Total Distillate</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>	<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>	<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>	<b>0</b>		
PCUF	CUFG	4	2	4	3	4	4	5	5	5	4	4	5	6	5	6	6	5	4	4	3	5	5	3	4	4	4	5	4	4	3	3	3	4	3	4	3	4	3	4	4	4	4	4	3	4	3	3	3	3		
PCUF	CUFK	16	17	17	18	16	18	17	17	17	17	17	17	17	16	17	16	18	18	17	17	19	17	17	17	18	16	17	18	15	17	15	17	18	17	14	17	17	17	17	17	17	18	16	17	17	17	17	17			
<b>Total Co-Gen</b>		<b>20</b>	<b>19</b>	<b>21</b>	<b>21</b>	<b>20</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>21</b>	<b>21</b>	<b>22</b>	<b>24</b>	<b>22</b>	<b>23</b>	<b>21</b>	<b>23</b>	<b>21</b>	<b>21</b>	<b>19</b>	<b>22</b>	<b>21</b>	<b>21</b>	<b>22</b>	<b>21</b>	<b>21</b>	<b>24</b>	<b>21</b>	<b>21</b>	<b>20</b>	<b>21</b>	<b>19</b>	<b>21</b>	<b>21</b>	<b>19</b>	<b>20</b>	<b>19</b>	<b>20</b>	<b>22</b>	<b>21</b>	<b>18</b>	<b>21</b>	<b>20</b>	<b>21</b>	<b>21</b>	<b>19</b>	<b>20</b>	<b>20</b>			
<b>Total Gen</b>		<b>14012</b>	<b>13632</b>	<b>13409</b>	<b>13155</b>	<b>12944</b>	<b>12789</b>	<b>12605</b>	<b>12443</b>	<b>12192</b>	<b>12170</b>	<b>12111</b>	<b>12045</b>	<b>12022</b>	<b>12022</b>	<b>11814</b>	<b>11659</b>	<b>11672</b>	<b>12502</b>	<b>12957</b>	<b>13439</b>	<b>13894</b>	<b>14298</b>	<b>14576</b>	<b>14739</b>	<b>14711</b>	<b>14416</b>	<b>14366</b>	<b>14571</b>	<b>14702</b>	<b>14850</b>	<b>14679</b>	<b>14829</b>	<b>14672</b>	<b>14667</b>	<b>14329</b>	<b>13985</b>	<b>13761</b>	<b>13631</b>	<b>13845</b>	<b>14684</b>	<b>14877</b>	<b>14942</b>	<b>14886</b>	<b>14760</b>	<b>14549</b>	<b>14491</b>	<b>14306</b>	<b>14029</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	
TIE-HVDC		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		65	10	2	22	20	-31	30	48	12	11	-1	-22	-53	-39	29	24	-15	-42	-46	-17	3	-9	-42	8	21	-13	-30	-73	-52	-42	-72	-12	-34	-61	7	23	12	-72	-31	7	20	20	19	45	19	18	-16	-42			
<b>Interconnection</b>		<b>65</b>	<b>10</b>	<b>2</b>	<b>22</b>	<b>20</b>	<b>-31</b>	<b>30</b>	<b>48</b>	<b>12</b>	<b>11</b>	<b>-1</b>	<b>-22</b>	<b>-53</b>	<b>-39</b>	<b>29</b>	<b>24</b>	<b>-15</b>	<b>-42</b>	<b>-46</b>	<b>-17</b>	<b>3</b>	<b>-9</b>	<b>-42</b>	<b>8</b>	<b>21</b>	<b>-13</b>	<b>-30</b>	<b>-73</b>	<b>-52</b>	<b>-42</b>	<b>-72</b>	<b>-12</b>	<b>-34</b>	<b>-61</b>	<b>7</b>	<b>23</b>	<b>12</b>	<b>-72</b>	<b>-31</b>	<b>7</b>	<b>20</b>	<b>20</b>	<b>19</b>	<b>45</b>	<b>19</b>	<b>18</b>	<b>-16</b>	<b>-42</b>			
<b>System Total</b>		<b>13947</b>	<b>13622</b>	<b>13407</b>	<b>13133</b>	<b>12924</b>	<b>12820</b>	<b>12575</b>	<b>12395</b>	<b>12180</b>	<b>12159</b>	<b>12112</b>	<b>12067</b>	<b>12075</b>	<b>12061</b>	<b>11785</b>	<b>11635</b>	<b>11687</b>	<b>12544</b>	<b>13003</b>	<b>13456</b>	<b>13891</b>	<b>14307</b>	<b>14618</b>	<b>14731</b>	<b>14690</b>	<b>14429</b>	<b>14396</b>	<b>14644</b>	<b>14754</b>	<b>14892</b>	<b>14751</b>	<b>14841</b>	<b>14706</b>	<b>14728</b>	<b>14322</b>	<b>13962</b>	<b>13749</b>	<b>13703</b>	<b>13876</b>	<b>14677</b>	<b>14857</b>	<b>14922</b>	<b>14867</b>	<b>14715</b>	<b>14530</b>	<b>14473</b>	<b>14322</b>	<b>14071</b>			
SRev ST-Coal		143	120	114	115	128	116	110	116	120	118	119	105	112	123	115	114	122	104	109	125	117	123	132	116	122	128	116	115	119	118	139	128	92	87	88	119	73	8	175	43	82	116	135	-54	16	-33	-71	154			
SRev ST-Oil		0	0	0	0	43	39	38	37	32	41	41	41	41	41	41	41	6	0	0	42	41	41	0	0	0	0	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
SRev CCGT-Gas		496	377	374	372	525	632	765	877	1008	949	998	1082	1100	1090	1323	1453	1507	931	985	510	371	168	181	291	303	890	861	699	800	597	595	443	469	455	494	892	1170	1352	1042	489	587	429	557	406	509	537	671	545			
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	17	15	11	5	3	-1	-1	0	0	0	0	0	0	-1	0	42	39	43	10	0	34	38	38	37	37	37			
SRev Co-Gen		7	8	6	6	7	5	5	5	5	6	6	5	3	5	4	6	4	6	6	8	5	6	6	5	6	6	3	6	6	7	6	8	6	6	8	7	8	7	5	6	9	6	7	6	6	8	7	7			
Syncon		374	374	525	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676			
Hydro		368	371	244	118	116	114	121	119	114	110	115	113	111	111	245	117	118	120	123	108	241	85	129	362	238	287	335	294	364	419	172	179	224	247	169	148	137	235	97	125	126	115	117	175	306	170	110	89			
<b>S.Reserve Total</b>		<b>1513</b>	<b>1375</b>	<b>1388</b>	<b>1412</b>	<b>1620</b>	<b>1707</b>	<b>1840</b>	<b>1955</b>	<b>2080</b>	<b>2025</b>	<b>2080</b>	<b>2147</b>	<b>2168</b>	<b>2171</b>	<b>2378</b>	<b>2532</b>	<b>2558</b>	<b>1962</b>	<b>2024</b>	<b>1594</b>	<b>1425</b>	<b>1224</b>	<b>1189</b>	<b>1215</b>	<b>1259</b>	<b>1897</b>	<b>1895</b>	<b>1692</b>	<b>1611</b>	<b>1463</b>	<b>1386</b>	<b>1232</b>	<b>1265</b>	<b>1269</b>	<b>1459</b>	<b>1965</b>	<b>2188</b>	<b>2293</b>	<b>2158</b>	<b>1405</b>	<b>1413</b>	<b>1466</b>	<b>1650</b>	<b>1371</b>	<b>1524</b>	<b>1519</b>	<b>1554</b>	<b>1632</b>			