

## Daily System Generation Summary on Monday

Monday, January 16, 2017

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,843 MW
Hydro	2,509 MW
Distillate	0 MW
Total TNB	5,352 MW
Total IPP	14,455 MW
Total Co-Gen	0 MW
Total System	19,807 MW

### Generation Mix

Type	MWh	Percentage
Gas	57,430	16.86 %
Hydro	10,915	3.20 %
<b>Total TNB</b>	<b>68,345</b>	<b>20.07 %</b>
ST-Coal	166,567	48.90 %
ST-Gas	5,229	1.54 %
Gas	101,840	29.90 %
<b>Total IPP</b>	<b>273,636</b>	<b>80.34 %</b>
Co-Gen	121	0.04 %
<b>Total Co-Gen</b>	<b>121</b>	<b>0.04 %</b>
<b>Total Generation</b>	<b>342,102</b>	<b>100.44 %</b>
PLTG	794	0.23 %
HVDC	713	0.21 %
<b>Interconnection</b>	<b>1,507</b>	<b>0.44 %</b>
<b>Net Energy</b>	<b>340,595</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:	16:00:00 Hour
Total Set On Bus	17,978 MW
TNB Generation	3,705 MW
IPP Generation	12,726 MW
Spinning Reserve	1,541 MW
Maximum Demand	16,343 MW
Net Energy	340,595 MWH
Load Factor	86.84 %

### Fuel Cost

Total Cost:	59,002,722.70 RM
Cost per Unit	17.81 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	264
Hydro	252
Syncon	1,051
Thermal	190
<b>Total</b>	<b>1,757</b>

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	55
PAKA	170
PGPS	52
SRDG	19
TJGS	106
<b>Total TNB</b>	<b>461</b>

CBPS	55
KLPP	88
MPSS	59
NPRI	153
PDPS	3
PGLA	108
PKLG	12
PLPS	71
PTEK	37
SGRI	154
SKSP	35
PKLG	52
<b>Total IPP</b>	<b>828</b>
<b>Total Gas</b>	<b>1,288</b>

**Total Gas Required 1,288**

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</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	13443	12651	12159	11813	11551	11311	11529	11820	12162	13977	14891	15485	15534	15372	15846	16206	16343	16044	14970	14807	15914	15831	15386	14988





### 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
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-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	HY02	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
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
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	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
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<b>Total Hydro</b>		<b>168</b>	<b>166</b>	<b>166</b>	<b>165</b>	<b>167</b>	<b>169</b>	<b>187</b>	<b>183</b>	<b>164</b>	<b>165</b>	<b>187</b>	<b>165</b>	<b>171</b>	<b>167</b>	<b>177</b>	<b>198</b>	<b>175</b>	<b>462</b>	<b>547</b>	<b>502</b>	<b>668</b>	<b>670</b>	<b>693</b>	<b>665</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>
PCUF	CUFK	4	6	5	4	5	5	5	5	6	5	5	4	4	4	6	5	6	5	4	5	5	5	5	5
<b>Total Co-Gen</b>		<b>4</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
<b>Total Gen</b>		<b>13527</b>	<b>13126</b>	<b>12768</b>	<b>12484</b>	<b>12194</b>	<b>12122</b>	<b>11881</b>	<b>11685</b>	<b>11597</b>	<b>11414</b>	<b>11390</b>	<b>11518</b>	<b>11621</b>	<b>11936</b>	<b>11866</b>	<b>11826</b>	<b>12175</b>	<b>13198</b>	<b>14005</b>	<b>14461</b>	<b>14906</b>	<b>15312</b>	<b>15529</b>	<b>15894</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
TIE-HVDC		30	32	29	29	30	31	30	30	29	29	31	31	31	31	31	31	31	31	31	30	30	31	31	31
TIE-PLTG		52	44	87	83	5	15	38	6	16	26	48	72	61	73	15	-2	-17	13	-2	31	-15	7	14	11
<b>Interconnection</b>		<b>82</b>	<b>76</b>	<b>117</b>	<b>113</b>	<b>35</b>	<b>46</b>	<b>68</b>	<b>36</b>	<b>46</b>	<b>56</b>	<b>79</b>	<b>103</b>	<b>92</b>	<b>104</b>	<b>46</b>	<b>29</b>	<b>13</b>	<b>43</b>	<b>28</b>	<b>61</b>	<b>15</b>	<b>37</b>	<b>44</b>	<b>42</b>
<b>System Total</b>		<b>13445</b>	<b>13050</b>	<b>12651</b>	<b>12371</b>	<b>12159</b>	<b>12076</b>	<b>11813</b>	<b>11649</b>	<b>11551</b>	<b>11358</b>	<b>11311</b>	<b>11415</b>	<b>11529</b>	<b>11832</b>	<b>11820</b>	<b>11797</b>	<b>12162</b>	<b>13155</b>	<b>13977</b>	<b>14400</b>	<b>14891</b>	<b>15275</b>	<b>15485</b>	<b>15652</b>
SRev ST-Coal		262	386	360	313	315	297	271	274	281	281	274	288	270	271	258	260	281	263	259	273	263	229	191	168
SRev CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	29	112	31	32
SRev CCGT-Gas		615	616	802	1092	1282	1142	1283	1495	1728	1909	1941	1942	1855	1455	1763	2103	1755	728	577	564	216	257	246	123
SRev ST-Gas		39	37	37	37	37	38	37	37	38	38	38	38	38	38	37	37	38	41	11	9	7	5	7	7
SRev Co-Gen		16	14	15	16	15	15	15	15	14	15	15	16	16	14	15	14	15	16	15	15	15	15	16	16
Syncon		1301	1301	1301	1301	1301	1301	1301	1452	1452	1452	1452	1452	1452	1452	1452	1452	1301	1452	1250	1200	1351	1351	1351	1200
Hydro		132	134	134	135	133	131	133	216	136	135	134	132	134	128	132	122	252	124	139	254	248	98	96	224
<b>S.Reserve Total</b>		<b>2365</b>	<b>2488</b>	<b>2649</b>	<b>2894</b>	<b>3083</b>	<b>2924</b>	<b>3041</b>	<b>3489</b>	<b>3748</b>	<b>3930</b>	<b>3954</b>	<b>3968</b>	<b>3865</b>	<b>3460</b>	<b>3657</b>	<b>3989</b>	<b>3640</b>	<b>2620</b>	<b>2282</b>	<b>2377</b>	<b>2131</b>	<b>2069</b>	<b>1935</b>	<b>1770</b>