

**Availability at Daily Maximum Demand Hour**

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,288 MW
Hydro	2,332 MW
Distillate	0 MW
Total TNB	<u>5,620 MW</u>
Total IPP	<u>13,445 MW</u>
Total Co-Gen	<u>80 MW</u>
Total System	<u>19,427 MW</u>

**Generation Mix**

Type	MWh	Percentage
Gas	34,223	10.85 %
Hydro	16,396	5.20 %
<b>Total TNB</b>	<b>50,619</b>	<b>16.05 %</b>
ST-Coal	150,950	47.85 %
Gas	112,838	35.77 %
<b>Total IPP</b>	<b>263,788</b>	<b>83.62 %</b>
Co-Gen	1,821	0.58 %
<b>Total Co-Gen</b>	<b>1,821</b>	<b>0.58 %</b>
<b>Total Generation</b>	<b>316,228</b>	<b>100.24 %</b>
PLTG	41	0.01 %
HVDC	728	0.23 %
<b>Interconnection</b>	<b>769</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>315,459</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	16,352 MW
TNB Generation	2,643 MW
IPP Generation	11,942 MW
Spinning Reserve	1,690 MW
Maximum Demand	14,617 MW
Net Energy	315,459 MWH
Load Factor	89.92 %

**Fuel Cost**

Total Cost:	51,441,817.20 RM
Cost per Unit	17.17 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	426
Hydro	259
Syncon	854
Thermal	139
<b>Total</b>	<b>1,678</b>

Time	Weather	Temperature
Afternoon	Cloudy	35
Morning	Cloudy	28

**Gas Usage**

Station	(mmscfd)
CBPS	45
GLGR	55
PGPS	42
SRDG	6
TJGS	112
<b>Total TNB</b>	<b>259</b>
CBPS	56
KLPP	112
MPSS	53
NPRI	78
PGLA	116
PLPS	99
PTEK	5
SGB3	57
SGRI	209
SKSP	52
<b>Total IPP</b>	<b>836</b>
<b>Total Gas</b>	<b>1,095</b>
<b>Total Gas Required</b>	<b>1,095</b>

**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	13424	12946	12371	12101	11818	11558	11561	11551	11293	12384	13296	13799	13764	13526	13917	13956	14083	13787	13415	13451	14533	14445	14150	13853



### 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																															
SGRI	ST14	218	228	223	220	221	217	223	222	222	225	224	211	202	204	199	199	200	217	218	220	217	222	194	219	214	214	214	221	221	218	216	213	214	205	194	200	196	198	197	220	216	215	215	219	215	219	214	180							
SGRI	GT21	135	135	135	135	135	135	134	136	137	135	135	115	119	115	111	106	106	134	122	111	140	136	136	137	137	133	136	136	136	135	135	118	132	121	114	128	133	132	136	136	132	132	128	138	132	137	125	125							
SGRI	GT22	142	141	141	142	142	143	140	143	144	143	141	120	123	123	118	112	112	143	125	114	140	140	140	140	140	137	140	140	140	138	137	120	132	122	117	131	139	135	137	141	134	134	130	141	132	142	129	128							
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	112	134	136	138	138	139	132	135	139	139	138	139	116	129	117	113	127	135	130	139	139	129	129	127	137	128	143	125	125							
SGRI	ST24	145	146	146	146	150	145	152	144	141	147	149	135	141	137	135	134	134	146	131	200	218	216	217	216	212	213	208	212	212	215	215	200	209	199	197	206	211	216	217	217	208	216	211	213	210	218	210	207							
SKSP	BLK1	291	292	296	319	341	325	217	243	252	243	217	244	262	261	262	217	219	249	247	299	340	338	343	343	313	250	219	254	307	342	333	327	342	343	297	322	334	310	323	341	278	291	264	281	310	343	274	284							
TJGS	GT2A	223	223	223	223	223	223	223	223	223	223	226	226	223	223	226	226	223	223	221	221	219	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	215	215	215	215	215	215	215	215	215				
TJGS	GT2B	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	218	218	216	216	215	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213			
TJGS	ST2C	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263		
Total CCGT-Gas		5824	5902	5825	5637	5512	5457	5274	5162	5177	5159	5106	5003	4971	5064	5037	4890	4909	5282	5578	6008	6222	6342	6479	6626	6602	6680	6517	6700	6861	6941	6898	6754	6861	6764	6590	6418	6353	6181	6398	6821	6622	6663	6572	6696	6674	6886	6633	6426							
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total 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	
BSIA	HY02	11	11	11	12	12	12	12	12	12	11	11	12	12	12	11	11	12	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
CEND	HY01	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	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	-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			
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37		
KNRG	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	102	103	103	104	105	104	104	105	104	104	103	104	105	105	105	103	102	103	104	103	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	
KNYR	HY02	102	103	103	103	104	104	104	104	104	104	104	103	104	105	105	104	103	102	103	103	103	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	
KNYR	HY03	102	103	103	104	104	104	104	105	104	104	103	104	105	105	104	103	102	103	104	103	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
KNYR	HY04	105	106	106	107	107	108	108	108	107	107	107	108	108	108	106	105	106	107	106	107	106	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21			
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	3	3	3	3	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	
PGAU	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	-1	-1	-1			
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	112	22	20	29	37	28	25	-1	-1	110	22	-1	-1	-1	80	84	-1	-1																													

