

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	1,887 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,436 MW</b>
<b>Total IPP</b>	<b>14,850 MW</b>
<b>Total Co-Gen</b>	<b>60 MW</b>
<b>Total System</b>	<b>20,910 MW</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:	21:30:00 Hour
Total Set On Bus	16,832 MW
TNB Generation	3,164 MW
IPP Generation	12,324 MW
Spinning Reserve	1,298 MW
Maximum Demand	15,461 MW
Net Energy	327,081 MWH
Load Factor	88.15 %

### Gas Usage

Station	(mmscfd)
GLGR	48
PAKA	11
PGPS	31
SRDG	5
TJGS	209
<b>Total TNB</b>	<b>304</b>
CBPS	53
KLPP	112
MPSS	10
NPRI	73
PGLA	55
PLPS	75
SGB3	73
SGRI	103
SKSP	51
YPKA	5
<b>Total IPP</b>	<b>611</b>
<b>Total Gas</b>	<b>915</b>
<b>Total Gas Required</b>	<b>915</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### Generation Mix

Type	MWh	Percentage
Gas	42,640	13.04 %
Hydro	12,942	3.96 %
<b>Total TNB</b>	<b>55,582</b>	<b>16.99 %</b>
ST-Coal	189,552	57.95 %
Gas	82,106	25.10 %
<b>Total IPP</b>	<b>271,658</b>	<b>83.06 %</b>
Co-Gen	1,188	0.36 %
<b>Total Co-Gen</b>	<b>1,188</b>	<b>0.36 %</b>
<b>Total Generation</b>	<b>328,428</b>	<b>100.41 %</b>
PLTG	620	0.19 %
HVDC	727	0.22 %
<b>Interconnection</b>	<b>1,347</b>	<b>0.41 %</b>
<b>Net Energy</b>	<b>327,081</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	52,675,562.16 RM
Cost per Unit	16.70 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	410
Hydro	119
Syncon	641
Thermal	255
<b>Total</b>	<b>1,425</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
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	14901	14236	13488	13142	13046	12750	12547	11921	11409	12122	12866	13436	13533	13542	13847	14109	14207	13979	13489	13629	15243	15429	15289	14977



## Daily MW Generation on Sunday

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	2400	2500	2600	2700	2800	2900	3000																									
SGRI	GT21	126	117	132	103	130	105	107	104	100	132	109	104	104	66	62	65	103	106	105	109	131	131	130	128	128	106	122	128	128	127	131	106	121	106	105	108	107	131	124	123	109	108	107	0	0											
SGRI	GT22	132	122	139	113	112	139	113	113	113	106	106	136	115	112	111	70	71	71	109	110	110	115	135	135	135	135	135	111	125	135	132	132	135	111	126	113	111	114	112	137	130	130	117	111	111	115	111									
SGRI	GT23	132	122	143	111	109	143	113	113	110	105	105	144	113	109	109	71	69	67	108	109	109	112	141	141	140	140	137	107	124	138	139	137	134	140	108	121	108	108	109	108	140	130	123	113	107	109	107	104								
SGRI	ST24	209	203	215	194	196	213	194	197	196	195	193	216	203	197	195	152	156	154	196	196	196	195	218	213	217	216	219	199	206	216	216	218	210	207	197	200	194	197	194	196	218	212	208	195	196	193	140	131								
SKSP	BLK1	267	260	308	217	220	308	249	229	218	219	217	318	340	342	232	217	218	340	236	236	329	313	343	339	323	262	219	232	262	344	338	337	286	279	284	249	243	218	228	219	287	312	308	331	315	308	322	284								
TJGS	GT1A	224	225	225	225	227	226	226	226	225	218	221	188	185	188	124	100	118	183	129	183	227	227	223	226	227	224	223	226	226	228	226	226	226	223	224	225	219	189	220	183	226	226	222	226	226	226	226	226								
TJGS	GT1B	216	216	217	217	222	221	220	220	220	210	211	180	179	184	119	95	113	178	124	176	215	217	217	217	217	217	215	217	217	217	217	217	214	214	214	214	214	214	214	184	210	179	217	217	217	217	217									
TJGS	ST1C	251	251	251	251	247	250	250	250	241	235	211	211	211	196	151	180	210	165	197	228	251	251	255	255	255	248	251	251	251	251	251	251	251	251	248	251	244	217	211	252	252	252	252	252	252	252	252	252								
TJGS	GT2A	211	225	220	185	188	214	221	219	207	188	188	218	221	219	184	188	106	106	219	219	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	219	219	219							
TJGS	GT2B	204	220	213	183	183	210	214	213	203	184	184	215	215	215	179	184	103	103	214	214	214	215	213	213	213	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	216	216	216	216							
TJGS	ST2C	259	259	260	239	239	259	259	253	250	238	238	261	258	260	244	239	194	194	260	260	260	260	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262						
YPKA	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
YPKA	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 CCGT-Gas		6579	6361	6108	5681	5517	5509	5334	5297	5212	5084	5062	4893	4857	4826	4393	3981	3828	4209	4585	4748	5090	5188	5370	5348	5296	5209	5110	5070	5177	5347	5375	5379	5450	5367	5226	4966	4732	4690	4775	5013	5541	5589	5597	5612	5429	5413	5261	5111								
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	52	123	123	90	89	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	64	90	89	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	52	123	187	180	178	0	0	0				
BSIA	HY01	21	22	22	22	22	22	22	22	22	22	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	12	12	12	12	12	12						
BSIA	HY02	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY03	23	24	24	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	22	22	23	23	23	23	23							
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9							
CEND	HY02	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8						
CEND	HY03	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8						
CEND	HY04	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	8	7	7					
HTRG	HY01	63	-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	62	63	63	63	-1	-1	99	99
HTRG	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					
KNRG	HY01	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35			
KNRG	HY02	37	37	36	37	37	37	37	36	37	36	37	36	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25				
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	36	25	26	25	25	24	25	26	26	26	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26			
KNYR	HY01	98	101	99	98	95	99	98	99	99	94	88	98	100	101	99	90	98	101	98	99	102	100	102	102	102	98	56	95	99	102	93	92	101	100	84	99	94	60	99	99	100	100	100	100	100	100	100	100	100	100	100	100	99			
KNYR	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	0	0	0	0	0	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	HY04	100	103	101	100	97	101	100	100	101	95	91	100	102	103	101	92	100	103	100	101	104	101	104	104	104	100	98	102	101	103	103	103	103	104	103	101	101																			

