

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	2,488 MW
Distillate	0 MW
<b>Total TNB</b>	<b>6,037 MW</b>
<b>Total IPP</b>	<b>15,405 MW</b>
<b>Total Co-Gen</b>	<b>48 MW</b>
<b>Total System</b>	<b>22,054 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:	14:30:00 Hour
Total Set On Bus	17,547 MW
TNB Generation	3,116 MW
IPP Generation	13,040 MW
Spinning Reserve	1,342 MW
Maximum Demand	16,246 MW
Net Energy	347,311 MWH
Load Factor	89.08 %

### Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	36
TJGS	204
<b>Total TNB</b>	<b>294</b>
CBPS	52
KLPP	84
NPRI	141
PGLA	106
PLPS	52
SGRI	136
SKSP	34
<b>Total IPP</b>	<b>606</b>
<b>Total Gas</b>	<b>900</b>
<b>Total Gas Required</b>	<b>900</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	40,497	11.66 %
Hydro	19,917	5.73 %
<b>Total TNB</b>	<b>60,414</b>	<b>17.39 %</b>
ST-Coal	204,116	58.77 %
Gas	81,952	23.60 %
<b>Total IPP</b>	<b>286,068</b>	<b>82.37 %</b>
Co-Gen	1,194	0.34 %
<b>Total Co-Gen</b>	<b>1,194</b>	<b>0.34 %</b>
<b>Total Generation</b>	<b>347,676</b>	<b>100.11 %</b>
PLTG	-362	-0.10 %
HVDC	727	0.21 %
<b>Interconnection</b>	<b>365</b>	<b>0.11 %</b>
<b>Net Energy</b>	<b>347,311</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	51,587,922.25 RM
Cost per Unit	15.74 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	588
Hydro	509
Syncon	508
Thermal	173
<b>Total</b>	<b>1,778</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	36
Morning	Sunny	26

### 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	14312	13744	13151	12837	12584	12477	12477	12386	12711	14258	15171	15800	15787	15635	16060	16110	16094	15503	14893	14691	15088	15350	15082	14663





### Daily MW Generation on Thursday

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																										
Total Co-Gen		49	52	50	53	52	49	50	50	50	49	52	55	52	49	53	50	49	50	49	50	49	51	50	48	52	48	50	48	49	49	49	49	48	47	48	47	48	50	49	51	49	50	48	50	51	50				
Total Gen		14331	13924	13739	13480	13130	13026	12825	12585	12572	12571	12505	12509	12451	12684	12409	12406	12774	13540	14235	14747	15180	15608	15811	15790	15803	15634	15613	15871	16069	16205	16130	16090	16139	15941	15555	15153	14918	14632	14658	14896	15079	15464	15379	15450	15168	15034	14770	14691		
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		
TIE-HVDC		31	30	30	30	30	31	31	31	31	31	30	30	31	31	30	30	31	30	30	29	29	30	30	29	30	30	31	31	30	30	30	30	30	30	30	30	31	31	31	31	31	31	30	30	30	30	31	31		
TIE-PLTG		-12	-63	-35	-79	-51	-7	-43	-15	-42	-7	-3	-74	-55	24	-8	4	33	-2	-53	-20	-22	1	-19	-198	-13	15	-53	-6	-21	-71	-10	10	15	34	23	-12	-6	-32	-63	-9	-40	36	-1	27	56	67	76	2		
Interconnection		19	-33	-5	-50	-21	24	-12	15	-12	24	28	-45	-26	55	23	35	63	29	-23	10	9	32	11	-169	16	45	-22	25	9	-41	20	40	45	63	52	17	25	-1	-33	22	-9	67	29	57	86	97	107	33		
System Total		14312	13957	13744	13530	13151	13002	12837	12570	12584	12547	12477	12554	12477	12629	12386	12371	12711	13511	14258	14737	15171	15576	15800	15959	15787	15589	15635	15846	16060	16246	16110	16050	16094	15878	15503	15136	14893	14633	14691	14874	15088	15397	15350	15393	15082	14937	14663	14658		
SRev ST-Coal		192	245	245	246	260	246	245	256	254	252	241	244	252	248	251	257	252	241	252	206	207	202	233	178	181	58	25	106	204	70	142	159	151	153	144	164	154	161	165	90	170	116	182	195	143	270	96	238		
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
SRev CCGT-Gas		847	1060	1187	1435	1787	1770	1723	1966	1965	1932	2016	2018	2062	1811	2091	2040	1738	799	594	308	177	234	439	234	356	588	538	459	392	458	571	574	566	775	664	723	801	1021	1113	1074	976	966	920	945	1027	1028	1201	1019		
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
SRev Co-Gen		-1	-4	-2	-5	-4	-1	-2	-2	-2	-1	-4	-7	-4	-1	-5	-2	-1	-2	-2	-1	-3	-2	0	-4	0	-2	0	-1	-1	-1	-2	1	-1	1	-1	-1	0	1	0	-2	-1	-3	-1	-2	0	-2	-3	-2		
Syncon		802	802	890	890	890	890	890	739	739	1041	1041	1041	1041	1041	1041	1142	1041	1041	1041	1041	802	802	428	428	126	579	953	953	615	428	428	579	579	277	651	651	651	651	651	651	651	151	151	151	338	338	338	338		
Hydro		160	218	182	197	179	175	215	354	352	228	226	219	222	238	236	180	220	117	96	125	318	326	418	304	663	370	98	59	268	387	458	324	315	602	678	651	645	683	662	561	503	804	926	988	922	904	1012	998		
S.Reserve Total		2000	2406	2587	2848	3197	3165	3156	3398	3393	3537	3605	3600	3658	3422	3699	3702	3335	2281	2066	1764	1586	1562	1518	1140	1326	1593	1614	1576	1478	1342	1597	1637	1610	1808	2136	2188	2251	2517	2591	2374	2299	2034	2178	2277	2430	2623	2644	2591		