

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,294 MW
Hydro	2,333 MW
Distillate	0 MW
Total TNB	<u>5,627 MW</u>
Total IPP	<u>14,627 MW</u>
Total Co-Gen	0 MW
Total System	<u>20,818 MW</u>

### 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	17,499 MW
TNB Generation	3,554 MW
IPP Generation	12,837 MW
Spinning Reserve	1,035 MW
Maximum Demand	16,523 MW
Net Energy	335,147 MWH
Load Factor	84.52 %

### Gas Usage

Station	(mmscfd)
GLGR	48
PGPS	25
TJGS	221
<b>Total TNB</b>	<b>294</b>
KLPP	104
MPSS	34
NPRI	148
PGLA	109
PLPS	103
PTEK	3
SGB3	26
SGRI	228
SKSP	48
<b>Total IPP</b>	<b>806</b>
<b>Total Gas</b>	<b>1,099</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	41,479	12.38 %
Hydro	23,296	6.95 %
<b>Total TNB</b>	<b>64,775</b>	<b>19.33 %</b>
ST-Coal	160,611	47.92 %
Gas	107,635	32.12 %
<b>Total IPP</b>	<b>268,246</b>	<b>80.04 %</b>
Co-Gen	1,772	0.53 %
<b>Total Co-Gen</b>	<b>1,772</b>	<b>0.53 %</b>
<b>Total Generation</b>	<b>334,793</b>	<b>99.89 %</b>
PLTG	342	0.10 %
HVDC	-696	-0.21 %
<b>Interconnection</b>	<b>-354</b>	<b>-0.11 %</b>
<b>Net Energy</b>	<b>335,147</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	53,644,970.80 RM
Cost per Unit	17.22 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	461
Hydro	377
Syncon	490
Thermal	185
<b>Total</b>	<b>1,513</b>

**Total Gas Required 1,099**

### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

### 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	12476	11876	11518	11131	11013	10881	11272	11480	12019	13977	14917	15555	15610	15349	15926	16387	16523	16153	14989	14641	15648	15498	15078	14540





### 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																										
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
PCUF	CUFG	42	42	42	42	42	42	42	44	42	42	42	43	43	43	44	43	43	43	42	42	43	40	41	40	40	41	41	42	42	42	41	41	42	41	42	42	43	43	43	43	43	44	43	42	40					
PCUF	CUFK	31	33	31	32	32	31	31	33	32	33	31	33	31	30	30	33	33	31	32	33	31	31	33	32	32	31	31	32	30	32	31	32	30	32	31	32	30	31	32	32	33	32	32	33	32	31	33	31		
Total Co-Gen		73	75	73	74	74	73	73	77	74	75	73	75	74	74	73	74	76	76	74	74	75	74	71	74	72	72	72	73	73	73	74	71	73	73	73	72	73	74	75	76	75	75	76	75	76	75	76	74	75	71
Total Gen		12446	12229	11859	11585	11466	11274	11124	11116	10987	10847	10838	10954	11250	11476	11494	11504	12015	13129	13946	14526	14895	15246	15646	15746	15701	15342	15290	15550	15888	16294	16498	16381	16464	16424	16156	15553	14952	14597	14620	15310	15640	15633	15509	15363	15009	14819	14463	14305		
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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-30	-30	-30	-30	-29	-29		
TIE-PLTG		-1	-1	12	29	-23	-18	23	-29	3	28	-14	23	6	44	42	33	25	32	-3	10	7	0	120	15	121	-20	-30	-8	-9	-10	140	29	-30	45	33	66	-8	44	8	2	21	4	40	9	-40	10	-48	-48		
Interconnection		-30	-30	-17	0	-52	-47	-7	-58	-26	-1	-43	-6	-22	16	14	5	-4	4	-31	-19	-22	-29	91	-14	91	-50	-59	-37	-38	-39	111	0	-59	17	3	37	-37	15	-21	-27	-8	-25	11	-21	-69	-20	-77	-78		
System Total		12476	12259	11876	11585	11518	11321	11131	11174	11013	10848	10881	10960	11272	11460	11480	11499	12019	13125	13977	14545	14917	15275	15555	15760	15610	15392	15349	15587	15926	16333	16387	16381	16523	16407	16153	15516	14989	14582	14641	15337	15648	15658	15498	15384	15078	14839	14540	14383		
SRev ST-Coal		539	605	590	601	597	596	604	604	594	601	597	595	601	600	602	571	574	256	257	182	129	130	130	142	128	145	123	128	137	125	133	141	172	135	103	224	267	263	259	266	264	268	274	263	313	267	255			
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	-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		693	597	550	667	695	618	780	783	906	1059	969	874	720	677	750	967	875	831	701	620	609	537	599	533	541	710	782	676	430	235	293	329	248	251	500	669	631	823	813	337	393	377	492	558	551	444	537	254		
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	
SRev Co-Gen		-52	-54	-52	-53	-53	-52	-52	-56	-53	-54	-52	-54	-53	-53	-55	-55	-53	-53	-54	-53	-50	-53	-51	-51	-51	-52	-52	-52	-53	-50	-52	-52	-52	-52	-51	-52	-53	-54	-55	-54	-54	-55	-54	-55	-54	-55	-53	-54	-50	
Syncon		1101	1101	1101	1101	1101	1101	1101	1101	1101	1051	1051	1051	1051	1202	1202	1202	1202	1101	799	799	799	439	439	439	800	800	800	626	252	0	126	126	126	126	126	800	800	800	626	626	626	626	626	626	626	626	815	815		
Hydro		164	165	27	29	32	34	39	39	37	37	271	263	259	172	35	38	42	39	38	396	427	300	393	393	416	359	322	191	268	446	658	580	572	578	587	788	503	511	514	481	211	238	248	217	215	363	319	299		
S.Reserve Total		2445	2414	2216	2345	2372	2297	2464	2471	2595	2737	2840	2731	2572	2448	2535	2756	2635	2591	2043	2019	1963	1712	1511	1442	1487	1946	1998	1738	1400	1018	1001	1118	1035	1075	1296	1635	2106	2348	2336	1648	1442	1451	1579	1621	1600	1693	1884	1573		