

#### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,272 MW
Hydro	2,312 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,584 MW</b>
<b>Total IPP</b>	<b>12,793 MW</b>
<b>Total Co-Gen</b>	<b>20 MW</b>
<b>Total System</b>	<b>18,961 MW</b>

#### Generation Mix

Type	MWh	Percentage
Gas	52,437	15.81 %
Hydro	10,831	3.27 %
<b>Total TNB</b>	<b>63,268</b>	<b>19.08 %</b>
ST-Coal	175,903	53.05 %
Gas	92,880	28.01 %
<b>Total IPP</b>	<b>268,783</b>	<b>81.06 %</b>
Co-Gen	324	0.10 %
<b>Total Co-Gen</b>	<b>324</b>	<b>0.10 %</b>
<b>Total Generation</b>	<b>332,375</b>	<b>100.24 %</b>
PLTG	51	0.02 %
HVDC	738	0.22 %
<b>Interconnection</b>	<b>789</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>331,586</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	16,840 MW
TNB Generation	3,102 MW
IPP Generation	12,171 MW
Spinning Reserve	1,553 MW
Maximum Demand	15,259 MW
Net Energy	331,586 MWH
Load Factor	90.54 %

#### Fuel Cost

Total Cost:	42,921,062.50 RM
Cost per Unit	13.35 cents/kWH

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	226
Hydro	312
Syncon	671
Thermal	243
<b>Total</b>	<b>1,452</b>

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	28

#### Gas Usage

Station	(mmscfd)
GLGR	56
PAKA	50
PGPS	46
SRDG	11
TJGS	224
<b>Total TNB</b>	<b>386</b>

CBPS	55
KLPP	6
MPSS	54
NPRI	78
PDPS	17
PGLA	114
PKLG	8
PLPS	104
PTEK	41
SGB3	83
SGRI	100
SKSP	51
<b>Total IPP</b>	<b>711</b>

**Total Gas 1,097**

**Total Gas Required 1,097**

#### 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	14276	13711	13214	12687	12319	12221	12144	11875	11701	12986	13880	14575	14531	14323	14668	14784	14831	14486	14010	14047	15253	15117	14872	14703





### 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																										
TMGR	HY02	33	33	33	32	82	34	37	34	34	34	34	34	43	45	52	46	45	45	52	70	70	34	35	36	45	41	35	36	35	35	36	36	34	36	35	81	81	80	35	35	35	37	35	35						
TMGR	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	33	33	34	34	-1	-1	-1	-1				
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
UJLI	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			
UPIA	HY01	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
Total Hydro		218	160	184	159	368	228	191	173	190	167	172	164	210	168	168	155	190	214	180	390	359	540	685	790	789	497	484	555	674	654	643	646	800	807	461	360	414	310	470	988	1013	758	816	697	539	467	557	556		
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	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFK	13	13	15	15	13	13	13	14	13	13	15	13	14	14	15	14	13	14	14	12	12	11	14	14	12	13	13	14	13	12	14	13	15	15	14	14	14	14	14	14	14	14	14	14	13	14	13			
Total Co-Gen		13	13	15	15	13	13	13	14	13	13	15	13	14	14	13	12	14	14	15	14	13	14	14	12	12	11	14	14	12	13	13	14	13	12	14	13	15	15	14	14	14	14	14	14	14	14	13	14	13	
Total Gen		14344	13965	13723	13451	13276	12942	12679	12530	12376	12319	12228	12177	12136	12151	11919	11693	11683	12378	12985	13536	13880	14246	14522	14667	14599	14319	14325	14454	14679	14634	14831	14842	14890	14890	14492	14250	14004	13950	14062	15297	15309	15287	15152	15150	14918	14858	14731	14566		
TIE-ECAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
TIE-PLTG		37	35	-19	-14	31	11	-39	-8	27	47	-24	33	-38	8	13	54	-49	-80	-31	-43	-31	-40	-84	53	37	11	-29	-7	-20	48	16	-6	29	-4	-24	8	-37	24	-16	44	25	-2	4	24	15	59	-2	59		
Interconnection		68	66	12	17	62	42	-8	23	57	77	7	63	-8	39	44	84	-18	-50	-1	-12	0	-9	-53	84	68	42	2	24	11	79	47	25	59	27	6	39	-6	55	15	75	56	28	35	55	46	89	28	90		
System Total		14276	13899	13711	13434	13214	12900	12687	12507	12319	12242	12221	12114	12144	12112	11875	11609	11701	12428	12986	13548	13880	14255	14575	14583	14531	14277	14323	14430	14668	14755	14784	14817	14831	14863	14486	14211	14010	13895	14047	15222	15253	15259	15117	15095	14872	14769	14703	14476		
SRev ST-Coal		149	151	254	146	179	108	114	124	119	120	111	112	96	104	106	127	82	108	85	99	99	95	256	288	288	278	288	286	254	293	275	294	279	288	283	281	279	304	268	291	281	278	285	275	287	283	278	283		
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		485	455	512	515	371	306	331	416	533	485	592	632	736	671	900	1082	1174	573	485	444	262	82	65	113	177	173	144	101	112	115	113	103	212	208	283	227	389	197	261	103	375	154	334	229	297	71	130	161		
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		7	7	5	5	7	7	7	6	7	7	5	7	6	6	7	8	6	6	5	6	7	6	6	8	8	9	6	6	8	7	7	6	7	8	6	7	5	5	6	6	6	6	6	6	6	6	7	6	7	
Syncon		849	950	799	950	799	799	950	799	950	950	950	950	950	950	950	950	950	849	849	748	748	663	663	663	663	663	386	537	537	537	386	386	537	638	723	910	809	573	699	699	699	699	785	936	936	936	936			
Hydro		180	137	264	138	80	230	116	134	268	140	135	143	137	139	139	152	117	93	118	259	240	160	250	230	231	254	267	321	354	307	318	315	311	328	275	275	322	339	405	273	371	403	445	414	336	157	167	168		
S.Reserve Total		1670	1700	1834	1754	1436	1450	1518	1630	1726	1702	1793	1844	1925	1870	2102	2319	2329	1730	1643	1657	1457	1091	1440	1302	1368	1464	1465	1563	1212	1284	1286	1281	1225	1208	1411	1647	1745	1898	1938	1400	1747	1553	1784	1637	1723	1463	1685	1638		