

**Availability at Daily Maximum Demand Hour**

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,017 MW
Hydro	1,846 MW
Distillate	0 MW
Total TNB	<u>4,863 MW</u>
Total IPP	<u>15,041 MW</u>
Total Co-Gen	<u>27 MW</u>
Total System	<u>20,468 MW</u>

**Generation Mix**

Type	MWh	Percentage
Gas	40,144	12.71 %
Hydro	5,616	1.78 %
<b>Total TNB</b>	<b>45,760</b>	<b>14.49 %</b>
ST-Coal	181,477	57.47 %
Gas	88,663	28.08 %
<b>Total IPP</b>	<b>270,140</b>	<b>85.55 %</b>
Co-Gen	359	0.11 %
<b>Total Co-Gen</b>	<b>359</b>	<b>0.11 %</b>
<b>Total Generation</b>	<b>316,259</b>	<b>100.15 %</b>
PLTG	-245	-0.08 %
HVDC	727	0.23 %
<b>Interconnection</b>	<b>482</b>	<b>0.15 %</b>
<b>Net Energy</b>	<b>315,777</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:	21:30:00 Hour
Total Set On Bus	16,159 MW
TNB Generation	2,335 MW
IPP Generation	12,513 MW
Spinning Reserve	1,298 MW
Maximum Demand	14,847 MW
Net Energy	315,777 MWH
Load Factor	88.62 %

**Fuel Cost**

Total Cost:	38,806,490.00 RM
Cost per Unit	12.49 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	388
Hydro	152
Syncon	764
Thermal	201
<b>Total</b>	<b>1,505</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Cloudy	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	14332	13604	13085	12845	12468	12129	12142	11541	11197	11857	12411	13039	13108	13124	13599	13786	13677	13307	12898	13015	14468	14765	14674	14452

**Gas Usage**

Station	(mmscfd)
CBPS	4
GLGR	56
PAKA	95
PGPS	28
SRDG	5
TJGS	123
<b>Total TNB</b>	<b>310</b>
CBPS	53
KLPP	81
MPSS	35
NPRI	138
PGLA	106
PLPS	81
PTEK	11
SGRI	157
SKSP	4
<b>Total IPP</b>	<b>666</b>
<b>Total Gas</b>	<b>976</b>
<b>Total Gas Required</b>	<b>976</b>

**Alternate Fuel Usage**

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





## 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																									
Total Co-Gen		22	15	13	14	14	16	16	14	15	14	13	15	17	16	16	17	16	16	14	15	16	14	13	15	16	14	15	15	15	15	16	15	16	14	15	15	14	13	15	13	16	13	14	13					
Total Gen		14339	13929	13613	13395	13123	12993	12860	12649	12470	12238	12207	12171	12129	12033	11728	11266	11254	11513	11821	12123	12445	12791	13026	13133	13104	13113	13130	13364	13583	13757	13799	13748	13715	13639	13325	13074	12937	12722	13007	13996	14538	14714	14793	14861	14725	14668	14451	14214	
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		
TIE-HVDC		31	30	30	30	30	31	31	31	31	30	30	30	30	30	31	31	30	30	31	31	30	31	31	30	30	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		-24	-93	-21	-30	7	-14	-16	19	-29	35	48	51	-43	-14	157	4	27	-80	-66	-16	3	-34	-43	-74	-34	32	-25	-6	-47	-45	-17	-6	8	-3	-13	-17	9	-23	-38	-35	40	6	-2	-16	21	36	-31	-40	
Interconnection		7	-63	9	1	38	16	15	50	2	65	78	81	-13	16	187	35	57	-50	-36	14	34	-4	-13	-44	-4	62	6	25	-16	-15	13	24	38	28	18	13	39	7	-8	-5	70	37	28	14	51	67	-1	-9	
<b>System Total</b>		14332	13992	13604	13394	13085	12977	12845	12599	12468	12173	12129	12090	12142	12017	11541	11231	11197	11563	11857	12109	12411	12795	13039	13177	13108	13051	13124	13339	13599	13772	13786	13724	13677	13611	13307	13061	12898	12715	13015	14001	14468	14677	14765	14847	14674	14601	14452	14223	
SRev ST-Coal		201	266	229	220	221	249	242	241	230	208	142	147	81	245	284	254	260	188	209	226	218	216	229	206	246	221	235	240	223	222	218	236	216	226	231	229	231	221	231	215	231	137	146	95	122	106	135	216	
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	
SRev CCGT-Gas		609	420	221	410	192	297	274	471	691	916	1006	1039	1156	1303	1546	2051	2059	1901	1540	1414	1105	765	564	463	613	627	605	386	319	309	214	325	432	417	528	784	1092	1437	1262	295	311	205	311	223	260	215	294	309	
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	
SRev Co-Gen		5	12	14	13	13	11	11	13	12	13	14	12	10	11	12	11	11	10	11	11	13	12	11	12	13	13	13	11	14	11	12	12	12	12	11	12	11	13	12	12	13	14	12	14	11	14	13	14	
Syncon		802	651	651	802	802	802	802	651	802	802	802	802	802	802	802	802	802	651	802	802	802	802	802	651	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802
Hydro		131	255	256	124	123	125	125	138	257	135	144	144	137	126	148	126	131	241	120	123	119	116	251	119	124	128	126	123	123	244	246	121	28	29	127	123	130	124	122	117	97	158	91	159	287	159	157	157	
S.Reserve Total		1753	1609	1376	1574	1356	1489	1459	1670	1846	2079	2113	2149	2191	2492	2797	3249	3268	2996	2687	2581	2262	1916	1711	1607	1803	1796	1781	1562	1481	1437	1341	1496	1490	1486	1699	1950	2454	2597	2429	1441	1486	1320	1366	1298	1334	1302	1529	1498	