

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	1,987 MW
Distillate	0 MW
Total TNB	<u>5,536 MW</u>
Total IPP	<u>15,121 MW</u>
Total Co-Gen	0 MW
Total System	<u>21,221 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:	15:00:00 Hour
Total Set On Bus	19,114 MW
TNB Generation	2,529 MW
IPP Generation	14,658 MW
Spinning Reserve	1,855 MW
Maximum Demand	17,202 MW
Net Energy	365,081 MWH
Load Factor	88.43 %

### Gas Usage

Station	(mmscfd)
GLGR	46
SRDG	15
TJGS	210
<b>Total TNB</b>	<b>271</b>
CBPS	54
KLPP	95
NPRI	154
PGLA	103
PLPS	67
PTEK	31
SGB3	60
SGRI	167
SKSP	50
YPKA	19
<b>Total IPP</b>	<b>800</b>
<b>Total Gas</b>	<b>1,070</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	37,954	10.40 %
Hydro	15,692	4.30 %
<b>Total TNB</b>	<b>53,646</b>	<b>14.69 %</b>
ST-Coal	202,491	55.46 %
Gas	108,258	29.65 %
<b>Total IPP</b>	<b>310,749</b>	<b>85.12 %</b>
Co-Gen	1,680	0.46 %
<b>Total Co-Gen</b>	<b>1,680</b>	<b>0.46 %</b>
<b>Total Generation</b>	<b>366,075</b>	<b>100.27 %</b>
PLTG	270	0.07 %
HVDC	724	0.20 %
<b>Interconnection</b>	<b>994</b>	<b>0.27 %</b>
<b>Net Energy</b>	<b>365,081</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	59,737,325.40 RM
Cost per Unit	17.05 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	676
Hydro	471
Syncon	452
Thermal	150
<b>Total</b>	<b>1,749</b>

### Time Weather Temperature

Afternoon	Hot	34
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	14839	14181	13582	13069	12867	12610	12834	12848	13162	14969	16032	16730	16605	16314	16864	17202	17118	16823	15595	15410	16596	16470	16102	15809





### 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																								
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	40	0	0	33	32	32	30	33	33	33	33	33	33	30	27	32	0	0	36	82	82	82	82	61	61	61	61					
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	4	4	4				
UPIA	HY02	6	6	5	5	5	5	4	4	4	4	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	5	5					
Total Hydro		620	488	498	447	440	293	278	308	284	250	195	249	242	266	237	244	251	500	518	643	624	976	1079	836	703	672	660	681	772	777	802	837	789	793	752	833	588	446	424	948	1644	1491	1376	969	910	871	861	796
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
PCUF	CUFG	34	35	34	35	35	35	36	36	35	37	34	35	36	37	36	37	36	35	34	33	32	32	32	33	33	33	32	34	32	32	32	33	32	34	35	34	34	36	35	35	35	34	34	34	33	34		
PCUF	CUFK	26	18	17	16	17	17	16	19	18	44	40	39	40	38	39	39	39	39	40	40	40	41	40	40	40	39	40	39	39	40	40	41	41	40	39	39	38	40	39	40	40	38	39	41	41	40	40	41
Total Co-Gen		60	53	51	51	52	52	51	55	54	79	77	73	75	74	76	75	75	76	76	75	74	74	72	72	72	72	73	72	71	74	72	73	73	73	71	73	73	74	73	76	75	73	74	75	75	74	73	75
Total Gen		14863	14508	14200	13967	13621	13333	13092	13112	12904	12770	12680	12817	12847	13069	12890	12721	13155	14214	14975	15615	16071	16450	16747	16783	16664	16389	16408	16529	16942	17237	17259	17236	17174	17162	16903	16406	15602	15355	15408	16199	16623	16682	16566	16369	16198	15965	15842	15429
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		30	30	31	31	31	31	30	30	30	30	31	29	29	29	29	30	30	30	30	31	31	30	30	31	31	30	30	31	31	31	31	29	32	29	31	29	31	29	31	29	31	31	31	30	30	30	30	
TIE-PLTG		-6	13	-12	63	8	-46	-7	-3	6	27	40	-19	-16	48	12	-25	-37	12	-23	-3	9	-10	-13	-6	28	34	64	30	48	18	26	5	26	16	49	99	-22	-28	-31	-32	-2	77	67	12	64	18	3	-39
Interconnection		24	43	19	93	39	-15	23	26	37	57	70	12	13	77	42	5	-7	42	6	27	39	20	17	23	59	65	94	61	78	48	57	35	56	47	80	130	7	4	-2	-1	27	108	96	43	96	47	33	-9
System Total		14839	14465	14181	13874	13582	13348	13069	13086	12867	12713	12610	12805	12834	12992	12848	12716	13162	14172	14969	15588	16032	16430	16730	16760	16605	16324	16314	16468	16864	17189	17202	17201	17118	17115	16823	16276	15595	15351	15410	16200	16596	16574	16470	16326	16102	15918	15809	15438
SR	ST-Coal	177	218	270	271	274	263	263	271	299	289	250	263	279	262	265	237	274	260	108	200	186	70	191	174	173	180	171	173	175	178	181	166	167	203	238	213	196	189	136	111	108	112	71	27	101	94	121	
SR	OCGT-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	4	191	192	192	6	10	10	12	10	40	119	185	189	183	0	0	192	3	97	86	66	40	38	0	0
SR	CCGT-Gas	864	822	677	742	1023	1253	1470	1491	1609	1705	1750	1700	1654	1440	1602	1781	1303	901	747	647	617	619	594	735	787	903	905	903	872	687	685	739	770	705	854	1289	866	816	601	350	408	504	508	351	292	354	335	411
SR	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
SR	Co-Gen	-60	-53	-51	-51	-52	-52	-51	-55	-54	-79	-77	-73	-75	-74	-76	-75	-75	-76	-76	-75	-74	-74	-72	-72	-72	-72	-73	-72	-71	-74	-72	-73	-73	-73	-71	-73	-73	-74	-73	-76	-75	-73	-74	-75	-75	-74	-73	-75
Syncon		790	790	790	790	790	790	891	891	891	891	992	992	992	841	992	992	992	790	790	705	705	388	388	513	362	513	513	513	513	513	513	513	513	513	513	151	514	791	876	554	0	0	0	579	579	705	705	705
Hydro		240	137	127	178	85	232	146	116	140	174	128	74	81	208	86	79	72	151	133	236	255	601	523	496	680	560	572	551	560	555	530	510	543	539	569	901	632	270	207	463	346	537	652	223	329	274	285	330
S.Reserve Total		2011	1914	1813	1930	2120	2486	2721	2706	2857	2990	3082	2943	2915	2694	2866	3042	2529	2040	1854	1621	1703	1731	1514	1944	1946	2279	2300	2269	2064	1877	1855	1882	1944	1906	2187	2691	2341	2182	1800	1427	982	1079	1295	1260	1218	1400	1384	1492