

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,490 MW
Hydro	1,930 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,420 MW</b>
<b>Total IPP</b>	<b>13,949 MW</b>
<b>Total Co-Gen</b>	<b>27 MW</b>
<b>Total System</b>	<b>19,396 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	70,287	20.14 %
Hydro	14,927	4.28 %
<b>Total TNB</b>	<b>85,214</b>	<b>24.42 %</b>
ST-Coal	146,419	41.95 %
ST-Gas	3,140	0.90 %
ST-Oil	6,291	1.80 %
Gas	107,672	30.85 %
<b>Total IPP</b>	<b>263,522</b>	<b>75.51 %</b>
Co-Gen	564	0.16 %
<b>Total Co-Gen</b>	<b>564</b>	<b>0.16 %</b>
<b>Total Generation</b>	<b>349,300</b>	<b>100.09 %</b>
PLTG	298	0.09 %
<b>Interconnection</b>	<b>298</b>	<b>0.09 %</b>
<b>Net Energy</b>	<b>349,002</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:	16:00:00 Hour
Total Set On Bus	18,362 MW
TNB Generation	4,566 MW
IPP Generation	12,413 MW
Spinning Reserve	1,363 MW
Maximum Demand	17,010 MW
Net Energy	349,002 MWH
Load Factor	85.49 %

### Fuel Cost

Total Cost:	52,068,241.55 RM
Cost per Unit	15.58 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	581
Hydro	609
Syncon	156
Thermal	95
<b>Total</b>	<b>1,441</b>

### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	54
PAKA	150
PGPS	51
SRDG	15
TJGS	214
<b>Total TNB</b>	<b>542</b>

CBPS	51
KLPP	95
MPSS	58
NPRI	146
PGLA	105
PKLG	4
PLPS	85
PTEK	26
SGB3	39
SGRI	169
SKSP	46
PKLG	33
<b>Total IPP</b>	<b>857</b>
<b>Total Gas</b>	<b>1,399</b>

**Total Gas Required 1,461**

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	4
<b>Total</b>	<b>4</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
stem Total	14353	13738	13275	12895	12520	12319	12469	12255	12912	14681	15564	16210	16228	15906	16681	16980	17010	16576	15569	15204	16163	16176	15745	15204

pared By: Ibrahim bin Said

Checked By: -Select Name-

Printed on: Friday, May 13, 2016 2:39:57 AM

(Gurcharan Singh)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi





### 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
LPIA	HY01	16	16	16	16	15	12	12	12	12	12	12	12	12	12	12	18	18	18	18	18	18	18	18	18
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	6	6	4	4	4	4	4
PGAU	HY02	-1	-1	23	23	23	23	23	23	23	23	21	21	21	21	21	21	21	21	21	21	21	21	21	21
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-1	-1	-1	22	22	19	20
PGAU	HY04	0	0	22	22	23	23	23	23	23	23	21	21	21	21	21	21	21	21	21	21	21	21	21	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	0	0	0	30	30	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	31	29	30	30	30	30	30	0
SIHY	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
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	25	16	25	25	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	25	16	25	25	25	25	25	25	25
TMGR	HY01	30	31	34	33	33	31	33	32	33	33	32	32	35	33	31	34	36	35	31	31	34	38	35	31
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-1	-1	-1	84	84	0
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	84	84	84	83	83	0
TMGR	HY04	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	13	25	24	24	24	0
UPIA	HY02	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		265	175	215	215	215	208	211	211	212	236	213	212	214	211	209	243	243	303	298	540	616	647	815	802
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
PCUF	CUFG	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PCUF	CUFK	20	20	20	20	20	19	19	21	21	21	21	19	19	18	18	18	18	21	21	22	22	22	22	20
Total Co-Gen		19	19	19	19	18	18	20	20	20	20	18	18	17	17	17	17	20	20	21	21	21	21	19	19
Total Gen		14350	13953	13748	13494	13271	13042	12919	12621	12552	12461	12360	12384	12507	12593	12294	12351	12941	14058	14699	15298	15538	15885	16201	16411
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0
TIE-HVDC		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-PLTG		-3	0	10	0	-4	-17	24	13	32	-8	41	-30	38	32	39	34	29	28	18	46	-26	-24	-9	-13
Interconnection		-3	0	10	0	-4	-17	24	13	32	-8	41	-30	38	32	39	34	29	28	18	46	-26	-24	-9	-13
System Total		14353	13953	13738	13494	13275	13059	12895	12608	12520	12469	12319	12414	12469	12561	12255	12317	12912	14030	14681	15252	15564	15909	16210	16424
SRev ST-Coal		131	139	148	120	48	20	133	127	126	130	128	111	118	123	133	130	122	137	128	121	115	117	118	110
SRev ST-Oil		0	0	0	0	-1	-1	0	5	37	35	35	35	35	38	6	0	-1	-1	0	0	0	-5	-11	-15
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
SRev CCGT-Gas		637	876	790	1072	1367	1612	1737	2041	2064	2133	2192	2181	2052	1954	2247	2227	1800	931	730	599	749	612	678	460
SRev ST-Gas		-8	-8	-8	-8	-8	-8	-8	-8	-8	-6	0	0	0	0	-1	-1	0	-2	-2	-2	-1	-1	0	-1
SRev Co-Gen		8	8	8	8	8	9	9	7	7	7	9	9	10	10	10	7	7	6	6	6	6	6	8	8
Syncon		701	802	651	651	651	567	567	567	416	567	567	567	567	567	567	466	466	466	365	239	239	239	239	340
Hydro		132	121	382	382	382	389	387	387	386	513	385	386	384	387	389	405	405	446	451	534	609	604	436	449
S. Reserve Total		1601	1938	1971	2225	2447	2672	2825	3126	3179	3228	3314	3289	3164	3075	3380	3373	2939	2023	1786	1724	1900	1578	1473	1263