

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,768 MW
Hydro	2,274 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,042 MW</b>
<b>Total IPP</b>	<b>14,482 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>20,088 MW</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:	21:00:00 Hour
Total Set On Bus	16,304 MW
TNB Generation	3,067 MW
IPP Generation	11,319 MW
Spinning Reserve	1,890 MW
Maximum Demand	14,501 MW
Net Energy	304,707 MWH
Load Factor	87.55 %

### Gas Usage

Station	(mmscfd)
GLGR	50
PGPS	31
SRDG	5
TJGS	206
<b>Total TNB</b>	<b>292</b>
CBPS	55
KLPP	50
NPRI	139
PGLA	95
PLPS	39
PTEK	5
SGRI	39
<b>Total IPP</b>	<b>422</b>
<b>Total Gas</b>	<b>714</b>
<b>Total Gas Required</b>	<b>714</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	40,149	13.18 %
Hydro	13,137	4.31 %
<b>Total TNB</b>	<b>53,286</b>	<b>17.49 %</b>
ST-Coal	190,330	62.46 %
Gas	59,036	19.37 %
<b>Total IPP</b>	<b>249,366</b>	<b>81.84 %</b>
Co-Gen	1,033	0.34 %
<b>Total Co-Gen</b>	<b>1,033</b>	<b>0.34 %</b>
<b>Total Generation</b>	<b>303,685</b>	<b>99.66 %</b>
PLTG	-544	-0.18 %
HVDC	-478	-0.16 %
<b>Interconnection</b>	<b>-1,022</b>	<b>-0.34 %</b>
<b>Net Energy</b>	<b>304,707</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	47,469,887.20 RM
Cost per Unit	16.37 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	591
Hydro	431
Syncon	866
Thermal	299
<b>Total</b>	<b>2,187</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	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	13438	12775	12391	11895	11679	11571	11526	11353	10857	11550	12179	12620	12700	12746	12983	13085	13077	13030	12782	13123	14308	14501	14084	13836



### 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
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total 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
BSIA	HY02	22	21	22	22	22	22	22	22	22	22	10	10	10	10	10	10	10	10	10	10	10	10	10	10
BSIA	HY03	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY02	8	8	9	8	8	8	8	8	8	8	9	9	9	8	9	9	9	8	8	9	9	9	9	9
CEND	HY03	10	10	10	10	10	10	10	10	10	10	9	10	10	9	10	10	9	10	10	10	10	10	9	10
CEND	HY04	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNRG	HY01	35	35	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	0	0	0
KNRG	HY02	37	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	36	36	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	25	25	25
KNYR	HY02	100	99	102	102	101	99	99	100	99	99	97	100	100	101	59	56	59	59	60	59	59	101	101	100
KNYR	HY03	98	98	98	98	98	98	98	98	98	97	98	98	98	98	98	98	98	98	98	98	98	76	89	65
KNYR	HY04	100	100	100	100	100	99	100	100	100	98	100	100	100	100	100	100	65	98	99	77	100	99	77	78
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	3	3	2
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	-1	-1	-1	-1
PGAU	HY03	23	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	20	20	13	24
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	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
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
TMGR	HY01	34	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	36	36	36	36	36	21	-1
TMGR	HY02	36	36	36	36	36	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	34	31
TMGR	HY03	33	33	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	35	35	35	35	35	33	30
TMGR	HY04	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	35	35	34
UJLI	HY01	0	-1	-1	-1	-1	-1	0	0	0	-1	-1	-1	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	6	6	6	6	0	3	0	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	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		677	674	528	527	541	487	482	489	488	485	482	488	488	491	451	345	358	360	359	358	378	477	479	477
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	33	32	32	35	36	34	30	31	30	33	32	33	33	33	27	0	0	0	0	0	0	0	0	0
PCUF	CUFK	33	34	35	42	40	40	39	40	41	41	40	41	40	41	27	26	28	28	27	26	27	26	27	26
Total Co-Gen		66	66	67	77	76	74	69	71	71	74	72	73	74	60	53	28	28	27	27	26	27	26	27	26
Total Gen		13394	13128	12682	12492	12340	11990	11843	11750	11607	11460	11542	11450	11495	11531	11339	10926	10878	11288	11499	11894	12149	12445	12572	12798
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
TIE-HVDC		-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-30	-30	-28	-28	-28	-29	-29	-1	0	0
TIE-PLTG		-14	-21	-63	-100	-22	-56	-24	-27	-42	-50	-1	-38	-2	-2	14	73	50	-53	-21	4	-2	28	-20	-33
Interconnection		-44	-50	-93	-130	-51	-85	-52	-56	-72	-80	-29	-67	-31	-32	-14	44	21	-83	-51	-26	-30	-1	-48	-62
System Total		13438	13178	12775	12622	12391	12075	11895	11806	11679	11540	11571	11517	11526	11563	11353	10882	10857	11371	11550	11920	12179	12446	12620	12860
SRev ST-Coal		244	363	373	454	400	402	409	427	447	472	437	393	392	385	382	384	388	379	370	406	239	248	216	297
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		740	810	711	548	526	745	886	951	1090	1211	1159	859	790	605	759	1015	1010	742	652	721	881	795	971	825

## 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																									
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															
SRev Co-Gen		-8	-8	-9	-19	-18	-16	-11	-13	-13	-16	-14	-16	-14	-15	-16	-2	5	-3	-3	-2	-2	-1	-2	-3	-2	-1	-2	-1	-2	-3	-1	-1	-1	-2	-3	-2	-3	-3	-3	0	-3	-12	-13	-9	-9	-9			
Syncon		741	928	1164	1164	1013	1250	1250	1063	1063	1063	1250	1250	1250	1063	977	1063	1063	1063	1250	1063	912	1063	1063	1063	1063	1063	741	777	777	928	928	928	1013	1013	1013	1013	1013	1013	1013	1013	675	488	639	639	876	876	876	1063	1250
Hydro		367	369	133	134	264	81	86	80	81	84	86	80	80	81	440	227	214	212	212	214	345	95	93	95	95	95	446	500	655	586	565	596	510	496	540	573	491	494	455	659	731	610	636	302	374	304	189	102	
S.Reserve Total		2084	2462	2372	2281	2185	2462	2620	2508	2668	2814	2918	2566	2498	2119	2542	2687	2680	2393	2481	2402	2375	2200	2341	2277	2411	2290	2313	2257	2487	2354	2497	2413	2292	2243	2333	2524	2627	2821	2503	1945	1812	1732	1890	1646	1963	1777	1972	2076	