

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,043 MW
Hydro	2,274 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,317 MW</b>
<b>Total IPP</b>	<b>14,474 MW</b>
<b>Total Co-Gen</b>	<b>25 MW</b>
<b>Total System</b>	<b>20,380 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:	15:30:00 Hour
Total Set On Bus	17,987 MW
TNB Generation	2,906 MW
IPP Generation	13,398 MW
Spinning Reserve	1,652 MW
Maximum Demand	16,375 MW
Net Energy	327,553 MWH
Load Factor	83.35 %

### Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	6
SRDG	7
TJGS	208
<b>Total TNB</b>	<b>273</b>
CBPS	52
KLPP	93
NPRI	160
PGLA	102
PKLG	2
PLPS	63
PTEK	7
SGB3	54
SGRI	108
<b>Total IPP</b>	<b>640</b>
<b>Total Gas</b>	<b>913</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	38,163	11.65 %
Hydro	14,607	4.46 %
<b>Total TNB</b>	<b>52,770</b>	<b>16.11 %</b>
ST-Coal	200,324	61.16 %
Gas	74,177	22.65 %
<b>Total IPP</b>	<b>274,501</b>	<b>83.80 %</b>
Co-Gen	714	0.22 %
<b>Total Co-Gen</b>	<b>714</b>	<b>0.22 %</b>
<b>Total Generation</b>	<b>327,985</b>	<b>100.13 %</b>
PLTG	-235	-0.07 %
HVDC	667	0.20 %
<b>Interconnection</b>	<b>432</b>	<b>0.13 %</b>
<b>Net Energy</b>	<b>327,553</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	53,596,363.60 RM
Cost per Unit	16.41 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	451
Hydro	346
Syncon	836
Thermal	192
<b>Total</b>	<b>1,825</b>

**Total Gas Required 913**

### 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	13244	12469	12105	11675	11563	11441	11794	11939	12516	14414	15389	15635	15786	15185	15856	16195	16154	15920	15065	14722	15938	15833	15278	14827





### Daily MW Generation on Monday

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																										
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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																											
Total Hydro		424	343	259	289	203	216	223	227	227	247	228	229	230	255	258	282	546	589	745	629	629	690	778	980	924	718	749	923	1065	1246	1042	1036	1014	1017	1010	747	604	527	541	555	928	926	923	752	543	517	561	631		
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	35	34	36	34	35	35	34	26	28	27	26	25	27	26	27	25	27	26	31	28	29	31	30	29	30	32	30	31	32	31	31	31	31	30	29	29	29	29	30	30	30	30	30	30	30	31	30	29		
Total Co-Gen		35	34	36	34	35	35	34	26	28	27	26	25	27	26	27	25	27	26	31	28	29	31	30	29	30	32	30	31	32	31	31	31	30	29	29	29	29	30	30	30	30	30	30	30	31	30	29			
Total Gen		13173	12841	12448	12312	12066	11972	11688	11690	11571	11526	11471	11508	11785	12001	12020	12006	12554	13602	14447	14917	15390	15441	15643	16043	15842	15331	15227	15480	15838	16298	16186	16335	16196	16130	15989	15681	15122	14736	14809	15552	15904	15932	15869	15601	15285	15217	14845	14533		
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	30	30	31	31	30	30	31	31	29	29	30	30	30	31	29	29	29	29	31	31	30	30	31	31	30	30	31	31	30	31	31	31	31	31	31	31	30	30	30	30	30	30	30	30	30	31	31	
TIE-PLTG		-41	-21	-51	-69	-69	-4	-17	-22	-22	-5	0	22	-39	26	51	5	8	42	4	-33	-30	9	-22	-37	25	31	12	-90	-49	47	-39	-70	12	0	38	38	25	14	57	-21	-64	-41	5	24	-24	-30	-12	-43		
Interconnection		-71	-51	-21	-39	-39	26	13	8	8	25	30	52	-9	57	81	36	38	71	33	-4	1	40	8	-7	56	62	42	-60	-18	78	-9	-40	42	31	69	69	57	46	87	10	-34	-11	36	55	7	0	18	-12		
System Total		13244	12892	12469	12351	12105	11946	11675	11682	11563	11501	11441	11456	11794	11944	11939	11970	12516	13531	14414	14921	15389	15401	15635	16050	15786	15269	15185	15540	15856	16220	16195	16375	16154	16099	15920	15612	15065	14690	14722	15542	15938	15943	15833	15546	15278	15217	14827	14545		
S.Rev ST-Coal		463	411	406	470	474	415	414	411	422	411	418	397	417	398	385	401	416	414	257	230	228	253	177	186	219	180	187	192	209	186	189	151	203	151	97	129	219	185	185	158	187	175	173	196	195	181	200	187		
S.Rev 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	49	207	43	72	108	186	122	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S.Rev CCGT-Gas		397	481	625	608	871	1050	1251	1104	1176	1248	1276	1545	1253	1078	1156	1261	1084	1000	942	870	405	337	400	245	306	549	528	446	270	211	394	354	289	271	299	324	880	1009	951	334	366	348	410	484	592	489	742	1076		
S.Rev 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
S.Rev Co-Gen		0	1	-1	1	0	0	1	9	7	8	9	10	10	8	9	8	8	10	8	9	4	7	6	4	5	6	5	3	5	-6	-7	-6	-6	-6	-5	-4	-4	-4	-4	-5	-5	-5	-5	-5	-5	-5	-6	-5	-4	
Syncon		1250	1250	1063	1164	1164	1164	1164	1164	1164	1013	1164	1164	1164	1013	1164	1013	741	928	928	1079	1079	1079	928	500	626	1079	1079	892	741	590	590	590	741	741	741	1079	626	1165	1165	1165	892	892	892	1013	1250	1250	1250	1250		
Hydro		106	187	272	141	127	114	107	103	103	234	102	101	100	226	111	238	346	476	441	406	406	345	358	501	431	84	53	149	458	431	485	491	362	359	366	141	887	192	178	164	147	149	152	202	91	117	73	103		
S.Reserve Total		2216	2330	2365	2384	2636	2743	2937	2791	2872	2914	2969	3217	2944	2723	2825	2921	2595	2828	2576	2594	2122	2021	1869	1436	1587	1898	1852	1682	1732	1619	1694	1652	1697	1702	1620	1855	2608	2547	2474	1816	1587	1559	1622	1890	2123	2031	2260	2612		