

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	2,002 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,551 MW</b>
<b>Total IPP</b>	<b>15,004 MW</b>
<b>Total Co-Gen</b>	<b>58 MW</b>
<b>Total System</b>	<b>21,177 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:	16:00:00 Hour
Total Set On Bus	18,663 MW
TNB Generation	3,891 MW
IPP Generation	13,199 MW
Spinning Reserve	1,544 MW
Maximum Demand	17,180 MW
Net Energy	364,634 MWH
Load Factor	88.43 %

### Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	56
PGPS	43
SRDG	11
TJGS	219
<b>Total TNB</b>	<b>382</b>
CBPS	56
KLPP	71
MPSS	51
NPRI	145
PGLA	116
PLPS	63
PTEK	14
SGB3	66
SGRI	154
<b>Total IPP</b>	<b>735</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	51,458	14.11 %
Hydro	24,214	6.64 %
<b>Total TNB</b>	<b>75,672</b>	<b>20.75 %</b>
ST-Coal	189,535	51.98 %
Gas	97,634	26.78 %
<b>Total IPP</b>	<b>287,169</b>	<b>78.76 %</b>
Co-Gen	726	0.20 %
<b>Total Co-Gen</b>	<b>726</b>	<b>0.20 %</b>
<b>Total Generation</b>	<b>363,567</b>	<b>99.71 %</b>
PLTG	-367	-0.10 %
HVDC	-700	-0.19 %
<b>Interconnection</b>	<b>-1,067</b>	<b>-0.29 %</b>
<b>Net Energy</b>	<b>364,634</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	55,558,634.65 RM
Cost per Unit	16.37 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	569
Hydro	290
Syncon	364
Thermal	189
<b>Total</b>	<b>1,412</b>

### Time Weather Temperature

Afternoon	Hot	35
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	14940	14195	13697	13153	12988	13028	12919	12671	13360	15175	16082	16693	16586	16286	16834	17179	17180	16535	15653	15412	15990	16329	16028	15591





### Daily MW Generation on Tuesday

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																										
SYPS	HY04	25	25	16	16	16	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	0	0	0	0	0	5	16	16	16	0	0	0																		
TMGR	HY01	81	82	82	82	81	81	81	81	81	81	81	81	81	81	83	82	82	82	82	82	81	83	81	82	82	81	81	82	80	34	34	33	34	62	83	83	82	83	83	82	78	83								
TMGR	HY02	84	84	84	84	84	84	84	84	84	84	84	84	84	84	83	84	83	84	83	83	84	84	83	83	81	36	36	34	36	63	85	84	84	85	84	85	84	84	80	85										
TMGR	HY03	79	79	80	80	80	79	79	79	79	79	79	79	79	79	80	80	80	80	80	80	80	80	80	80	80	80	78	33	33	32	33	60	81	81	81	81	81	81	80	76	81									
TMGR	HY04	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	79	34	34	33	34	61	82	82	82	82	82	82	82	81	78	82									
UJLI	HY02	94	94	98	99	95	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	95	102	94	95	95	92	-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	5	5	5	4	4	4	5	5	5	5	5	5	5	5	6	6	4	4	4	4	4	4	4	4	4	4	5	5	5	6	6	6	6	6	6	6	6	6	6	5	5	4	4	4						
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5					
Total Hydro		1092	1086	923	921	911	745	794	855	855	875	865	864	863	816	738	737	743	745	1144	1312	1445	1542	1535	1542	1563	1172	923	932	1293	1409	1407	1246	1156	942	821	669	690	713	727	836	922	1072	1075	1073	1098	876	905	825		
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	3	2	2	2	2	2	3	3	3	2	2	4	2	2	3	2	2	3	2	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	2	2	4	2	2
PCUF	CUFK	34	29	28	29	28	28	29	29	29	29	29	30	29	29	28	29	29	28	30	29	29	27	28	26	28	28	28	29	28	28	29	29	29	30	30	30	29	30	28	28	27	29	29	28	30	28	28			
Total Co-Gen		37	31	30	31	30	30	32	32	32	31	31	33	31	32	32	31	30	32	31	29	31	30	30	27	28	27	28	28	28	29	28	28	29	29	29	30	30	30	32	30	30	29	30	31	30	34	30	30		
Total Gen		14865	14477	14204	13977	13688	13372	13130	12965	12879	12994	12966	12898	12860	12856	12649	12603	13313	14330	15095	15584	16013	16437	16643	16738	16556	16251	16263	16492	16797	17135	17154	17107	17119	16947	16544	15973	15594	15420	15317	15568	15911	16272	16231	16156	15975	15845	15625	15239		
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	0	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30				
TIE-PLTG		-46	21	39	-15	20	4	7	-31	-80	-11	-32	-24	-30	-86	7	-15	-18	-50	-50	-6	-39	-27	-20	28	0	-4	6	-19	-9	-1	4	-35	-32	34	37	-39	-30	39	-66	-35	-49	-30	-68	-41	-23	25	64	-7		
Interconnection		-75	-8	9	-44	-9	-25	-23	-60	-109	-40	-62	-53	-59	-115	-22	-44	-47	-79	-80	-37	-69	-56	-50	-2	-30	-34	-23	-48	-37	-30	-25	-65	-61	6	9	-67	-59	11	-95	-64	-79	-60	-98	-71	-53	-4	34	-37		
System Total		14940	14485	14195	14021	13697	13397	13153	13025	12988	13034	13028	12951	12919	12971	12671	12647	13360	14409	15175	15621	16082	16493	16693	16740	16586	16285	16286	16540	16834	17165	17179	17172	17180	16941	16535	16040	15653	15409	15412	15632	15990	16332	16329	16227	16028	15849	15591	15276		
SRev ST-Coal		154	164	176	164	200	204	269	262	270	261	256	258	253	255	251	271	197	170	162	156	166	152	312	223	171	156	314	324	231	147	340	329	214	172	178	195	189	60	96	127	130	75	121	81	233	185	330	87		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	71	81	75	105	110	49	104	66	108	58	78	85	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		552	570	374	612	830	943	1127	1356	1434	1347	1372	1436	1564	1599	1729	1755	1419	576	538	454	379	603	495	578	840	538	547	378	472	373	439	386	380	418	431	720	1083	1207	1147	972	712	555	654	618	671	481	581	497		
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	0	
SRev Co-Gen		21	27	28	27	28	28	26	26	27	27	25	27	26	26	27	28	26	27	29	27	28	28	31	30	31	30	30	30	29	30	30	29	29	29	28	28	28	28	26	28	28	29	28	27	28	24	28	28		
Syncon		453	302	453	453	453	640	489	640	640	489	640	640	640	489	640	640	640	640	302	302	151	0	0	0	0	338	640	640	489	338	338	338	338	640	640	640	640	640	640	640	640	640	640	640	489	640	489	741		
Hydro		404	461	173	175	185	64	196	54	54	185	54	55	56	254	181	177	171	174	263	345	363	417	424	417	508	211	136	127	167	202	204	415	505	192	138	290	319	296	282	173	87	187	184	186	312	133	255	83		
S.Reserve Total		1584	1524	1204	1431	1696	1879	2107	2338	2424	2309	2349	2414	2540	2623	2827	2875	2460	1586	1292	1286	1086	1202	1330	1330	1624	1379	1777	1548	1493	1155	1459	1556	1544	1536	1518	1873	2259	2231	2191	1940	1597	1486	1627	1552	1733	1463	1683	1436		