

### Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,561 MW
Hydro	1,783 MW
Distillate	0 MW
<b>Total TNB</b>	<b>9,424 MW</b>
<b>Total IPP</b>	<b>11,611 MW</b>
<b>Total Co-Gen</b>	<b>48 MW</b>
<b>Total System</b>	<b>21,365 MW</b>

### Maximum Demand Record

Date: 3/21/2016	17,358 MW
Date: 3/10/2016	359,307 MWH

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	53	<b>Total</b>	<b>0</b>
NPRI	147		
PAKA	95		
PGPS	47		
SRDG	18		
TJGS	106		
<b>Total TNB</b>	<b>467</b>		
KLPP	94		
MPSS	56		
PDPS	24		
PGLA	113		
PLPS	91		
PTEK	21		
SGRI	153		
SKSP	51		
<b>Total IPP</b>	<b>604</b>		
<b>Total Gas</b>	<b>1,071</b>		
<b>Total Gas Required</b>	<b>1,071</b>		

### Alternate Fuel Usage

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,333 MW
TNB Generation	6,720 MW
IPP Generation	9,950 MW
Spinning Reserve	1,618 MW
Maximum Demand	16,688 MW
Net Energy	358,389 MWH
Load Factor	89.48 %

### Generation Mix

Type	MWh	Percentage
ST-Coal	70,049	19.55 %
Gas	63,198	17.63 %
Hydro	8,634	2.41 %
<b>Total TNB</b>	<b>141,881</b>	<b>39.59 %</b>
ST-Coal	141,034	39.35 %
Gas	74,906	20.90 %
<b>Total IPP</b>	<b>215,940</b>	<b>60.25 %</b>
Co-Gen	1,125	0.31 %
<b>Total Co-Gen</b>	<b>1,125</b>	<b>0.31 %</b>
<b>Total Generation</b>	<b>358,946</b>	<b>100.16 %</b>
PLTG	-160	-0.04 %
HVDC	717	0.20 %
<b>Interconnection</b>	<b>557</b>	<b>0.16 %</b>
<b>Net Energy</b>	<b>358,389</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	47,366,399.05 RM
Cost per Unit	13.52 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	509
Hydro	280
Syncon	645
Thermal	136
<b>Total</b>	<b>1,570</b>

### Time Weather Temperature

Afternoon	Sunny	32
Morning	Hot	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	14843	14119	13684	13284	12924	12707	12782	12655	13110	14855	15797	16362	16316	15857	16402	16606	16663	16289	15201	14897	15988	15967	15507	15103





**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																										
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
<b>Total Hydro</b>		187	194	183	187	185	170	158	181	166	166	167	169	169	168	173	170	169	186	183	355	415	606	644	556	541	277	229	258	784	796	851	610	648	707	618	317	346	205	232	507	543	665	609	536	294	191	187	187		
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	CUFG	24	23	24	24	24	24	23	24	23	23	25	24	23	25	23	23	25	23	24	23	23	23	24	23	22	23	22	21	21	23	23	22	23	24	21	22	22	24	22	21	23	23	22	22	22	22	26	25		
PCUF	CUFK	24	23	24	25	24	24	23	24	24	24	24	25	24	25	23	24	24	25	23	24	23	25	25	24	23	23	23	22	22	22	24	23	24	22	24	24	24	24	24	24	24	24	25	25	26	24	23	23		
<b>Total Co-Gen</b>		48	46	48	49	48	48	46	48	47	47	49	48	48	49	46	47	46	49	48	46	46	45	44	43	45	45	46	46	48	43	46	46	48	46	45	47	47	47	47	47	47	48	46	49	48					
<b>Total Gen</b>		14846	14449	14152	14071	13698	13423	13283	13155	12927	12936	12713	12743	12759	12823	12644	12654	13158	14173	14885	15366	15790	16112	16362	16491	16330	16017	15941	16062	16464	16715	16717	16609	16691	16715	16374	15768	15282	14692	14891	15720	15966	16145	16033	15952	15480	15467	15182	14881		
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	0
TIE-HVDC		30	30	30	30	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
TIE-PLTG		-27	4	3	0	-16	-27	-32	11	3	18	-24	-31	-54	1	-41	18	18	-22	0	11	-37	-39	-30	-49	-17	8	53	-11	33	-3	81	-5	-3	1	55	-38	-51	-34	-38	-24	-54	5	35	-39	-57	-5	49	-23		
Interconnection		3	33	33	31	14	4	-1	42	3	49	6	-1	-23	31	-11	49	48	8	30	42	-7	-9	0	-18	14	39	84	19	62	27	111	26	28	31	85	-8	81	-3	-6	7	-22	36	66	-8	-27	25	79	7		
<b>System Total</b>		14843	14416	14119	14040	13684	13419	13284	13113	12924	12887	12707	12744	12782	12792	12655	12685	13110	14165	14885	15324	15797	16121	16362	16509	16316	15978	15857	16043	16402	16688	16606	16583	16663	16684	16289	15776	15201	14695	14897	15713	15988	16109	15967	15960	15507	15442	15103	14874		
SRev ST-Coal		185	214	239	227	231	238	251	244	244	244	243	233	229	251	230	243	240	226	232	161	93	84	144	136	128	164	145	135	128	150	141	133	116	134	156	133	162	240	232	193	143	127	141	106	139	148	150	149		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	43	107	3	105	153	149	151	150	237	231	189	161	164	215	126	154	-4	-4	-6	-6	-6	-7	35	0	0	0	0	0	0	
SRev CCGT-Gas		610	889	845	918	1137	1391	1504	1662	1876	1868	2091	2073	2065	1975	2182	2151	1794	1152	762	603	519	521	345	376	453	418	468	383	514	300	347	350	351	388	453	423	852	1159	992	486	328	287	330	331	464	363	645	658		
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	0
SRev Co-Gen		0	2	0	-1	0	0	2	0	1	1	-1	0	0	-1	0	2	-1	1	-1	2	1	2	-1	0	2	2	3	4	5	3	3	2	2	0	5	2	2	0	2	3	1	1	1	1	0	2	-1	0		
Syncon		802	802	802	802	802	802	651	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	701	550	701	802	802	802	424	575	474	600	600	474	474	572	572	799	799	698	698	698	698	698	698	648	648	648	
Hydro		329	246	257	253	255	120	132	260	124	124	123	121	121	122	117	118	119	102	105	243	358	292	255	394	282	185	233	204	516	353	349	314	276	218	307	226	267	236	209	210	299	177	183	206	198	251	255	255		
S.Reserve Total		1926	2153	2143	2199	2425	2551	2691	2817	3047	3039	3258	3229	3217	3149	3331	3316	2954	2283	1900	1811	1811	1744	1551	1459	1671	1724	1800	1679	1737	1618	1545	1588	1506	1378	1610	1482	2009	2430	2230	1584	1463	1284	1346	1377	1499	1412	1697	1710		