

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	1,836 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,627 MW</b>
<b>Total IPP</b>	<b>15,634 MW</b>
<b>Total Co-Gen</b>	<b>30 MW</b>
<b>Total System</b>	<b>20,855 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	39,225	11.88 %
Hydro	15,285	4.63 %
<b>Total TNB</b>	<b>54,510</b>	<b>16.51 %</b>
ST-Coal	189,077	57.26 %
Gas	85,687	25.95 %
<b>Total IPP</b>	<b>274,764</b>	<b>83.21 %</b>
Co-Gen	680	0.21 %
<b>Total Co-Gen</b>	<b>680</b>	<b>0.21 %</b>
<b>Total Generation</b>	<b>329,954</b>	<b>99.92 %</b>
PLTG	437	0.13 %
HVDC	-697	-0.21 %
<b>Interconnection</b>	<b>-260</b>	<b>-0.08 %</b>
<b>Net Energy</b>	<b>330,214</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:	21:30:00 Hour
Total Set On Bus	16,505 MW
TNB Generation	2,822 MW
IPP Generation	12,719 MW
Spinning Reserve	1,067 MW
Maximum Demand	15,537 MW
Net Energy	330,214 MWH
Load Factor	88.56 %

### Fuel Cost

Total Cost:	54,219,442.75 RM
Cost per Unit	17.43 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	266
Hydro	189
Syncon	647
Thermal	222
<b>Total</b>	<b>1,324</b>

### Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	55
SRDG	4
TJGS	220
<b>Total TNB</b>	<b>279</b>
CBPS	56
KLPP	86
NPRI	156
PDPS	5
PLPS	90
PTEK	9
SGB3	62
SKSP	30
YPKA	42
<b>Total IPP</b>	<b>536</b>
<b>Total Gas</b>	<b>815</b>

**Total Gas Required 815**

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</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
System Total	14828	14271	13730	13231	12918	12575	12554	12012	11614	12275	13060	13540	13728	13577	14100	14264	14361	14042	13559	14269	15340	15535	15448	15118

### 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																												
JMAH	U001	694	691	694	692	691	692	691	691	691	692	692	694	693	691	693	691	692	693	692	693	693	691	691	692	692	692	692	693	692																							
JMAH	U002	692	599	607	607	689	699	693	692	695	692	693	693	696	692	694	696	694	693	693	693	694	693	694	694	693	695	693	695	692	694	694																					
JMJG	U002	669	668	675	673	672	668	679	671	682	666	671	672	672	669	654	664	667	666	672	672	677	673	677	678	667	668	672	669	670	671	673	677	666	662	689	682	670	668	667	669												
JMJG	U003	671	688	680	694	683	668	685	662	691	668	668	673	672	671	654	672	677	675	668	676	670	672	673	678	673	671	674	667	677	680	672	672	678	674	676	668	672	671	676	684	666	668	702	689	677	667	662	677				
JMJG	U004	901	900	899	862	851	851	850	851	804	803	803	793	792	793	793	794	801	803	804	804	805	806	801	801	848	858	852	852	860	852	859	847	861	855	853	850	853	852	849	907	953	949	950	966	967	968	948	950	949			
JMJG	U005	949	951	900	851	849	852	852	848	798	803	804	803	803	801	803	799	800	803	798	804	803	803	801	852	848	847	851	849	849	853	855	854	851	849	849	848	848	850	876	878	821	840	752	758	756	758	805	797				
PKLG	U003	280	280	283	283	282	283	283	276	281	280	282	283	282	280	282	285	287	285	282	281	284	287	282	282	281	281	280	282	282	284	281	283	281	283	281	284	285	284	281	275	283	282	282	284	284	281	284	284				
PKLG	U005	471	470	472	468	468	468	468	467	470	467	467	469	470	470	469	469	470	470	478	471	470	470	471	474	468	467	466	468	470	469	469	471	470	468	466	466	469	470	471	470	472	470	467	468	470	472	471	469	468			
PKLG	U006	472	469	470	472	468	469	469	471	469	470	469	470	470	470	471	471	468	470	469	470	470	470	470	470	470	470	470	470	468	470	469	469	471	468	470	469	470	471	470	472	470	467	468	470	472	471	469	468				
TBIN	U001	692	692	691	689	689	690	690	689	689	690	690	689	688	689	693	691	689	688	689	689	690	687	688	688	690	691	690	688	689	690	687	688	690	691	690	691	688	689	690	690	689	689	689	689	689	689	689	689				
TBIN	U002	690	690	689	687	689	693	692	693	692	691	693	693	690	690	689	693	690	690	690	692	690	689	690	692	689	691	690	688	690	691	691	687	692	691	690	689	691	691	691	693	690	691	688	691	693	690	691	688	691	693	690	691
TBIN	U004	951	953	900	852	851	852	852	851	801	801	802	804	802	801	801	802	802	802	802	800	801	803	800	850	851	851	854	851	852	851	852	853	851	851	852	851	852	860	901	951	951	953	951	949	954	951	952	952	952			
Total ST-Coal		8132	8051	7960	7830	7882	7885	7904	7862	7763	7723	7724	7735	7732	7716	7688	7737	7741	7741	7730	7756	7740	7745	7724	7892	7874	7876	7886	7887	7887	7907	7888	7896	7887	7879	7886	7873	7883	7891	8017	8125	8043	8055	8048	8034	8020	7975	8020	8031				
Total ST-Oil		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	0	
Total 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	0	0
CBPS	BLK2	368	365	367	368	367	367	369	369	368	370	375	371	374	357	365	364	369	370	364	366	369	365	365	363	363	361	361	358	358	360	360	358	360	361	358	362	365	364	365	366	362	364	365	366	364	367	367	367				
GLGR	GT01	107	107	107	107	107	108	108	69	66	68	68	68	67	68	68	67	67	69	68	102	102	103	103	102	101	102	103	103	101	102	103	100	88	83	68	70	69	104	101	103	103	104	104	103	104	104	104	104	104	104		
GLGR	GT02	111	109	110	110	109	109	110	110	70	70	70	70	70	69	70	70	70	69	70	105	104	104	105	105	104	104	104	104	106	105	89	86	69	69	68	105	104	103	104	103	104	103	104	104	104	104	104	104	104			
GLGR	ST1C	100	99	99	99	99	99	99	99	80	71	71	72	72	72	72	72	72	71	72	71	72	71	89	94	94	94	94	94	94	94	94	89	83	73	73	72	92	94	94	95	94	93	94	93	94	93	94	93	94			
KLPP	GT13	146	141	141	145	145	146	113	113	112	108	110	112	110	112	102	68	69	74	100	111	145	149	148	149	148	149	147	148	148	149	148	148	149	149	145	149	113	142	148	150	147	149	147	149	151	147	147	147	147			
KLPP	GT14	155	62	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		
KLPP	GT15	148	144	141	145	145	146	120	116	120	116	117	115	115	110	106	74	73	75	80	115	146	150	150	149	149	149	149	151	151	150	150	149	149	150	150	150	150	121	130	150	150	150	150	149	149	150	150	146	146	146		
KLPP	ST17	201	181	127	132	132	132	116	116	117	121	121	119	115	115	111	83	83	87	91	117	133	134	137	141	141	140	140	136	136	138	138	140	140	141	141	141	132	186	194	207	207	204	204	211	202	205	203	204	204			
NPRI	BLK1	511	518	524	506	524	454	530	521	522	493	486	460	500	447	416	432	433	452	463	455	506	505	506	508	513	508	507	515	507	515	502	515	508	508	507	510	449	451	523	521	520	522	529	534	535	521	519	519	519			
NPRI	BLK2	511	521	524	508	523	457	526	520	523	495	489	457	497	447	417	433	435	451	465	456	508	505	508	506	512	509	507	517	506	512	502	512	508	509	508	509	447	453	521	519	517	518	525	529	531	519	517	517	517			
PCGP	PGRC	397	408	412	399	402	396	410	399	406	399	398	405	399	397	358	272	276	298	298	379	379	375	376	378	389	378	378	388	376	384	372	387	380	377	398	401	397	396	405	401	398	398	417	416	420	402	399	397	397			
PLPS	GT11	111	116	117	113	111	111	66	64	65	61	62	63	62	63	54	59	59	64	112	111	141	143	145	143	144	144	145	144	143	143	143	142	143	144	136	115	115	115	127	135	134	135	139	140	139	134	135	135	135			
PLPS	GT12	119	123	124	119	120	119	69	64	67	65	64	65	64	65	64	64	55	62	61	66	94	119	140	141	114	114	117	114	115	133	131	136	131	135	131	132	120	120	119	121	123	140	139	140	140	140	139	139	138	137	137	
PLPS	GT13	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	0	
PLPS	ST18	133	133	133	132	134	132	96	89	91	88	88	88	88	88	82	83	83	93	116	132	143	142	206	205	206	206	207	208	208	209	208	209	208	209	202	196	196	196	199	207	208	208	208	209	207	208	209	207	207			
SCB3	GT31	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		
SCB3	GT32	144	146	144	31	0	0	0																																													

### 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
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	CT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	CT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDC	CT05	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	HY01	21	21	21	21	13	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	22	22	22	22	12	12	13	13	13	13	13	13	17	17	24	24	24	24	24	23	13	24	24	18
BSIA	HY03	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	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
CEND	HY03	10	9	9	10	10	10	10	10	9	10	9	10	9	10	9	9	10	9	9	9	9	9	9	9
HTRG	HY01	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
HTRG	HY02	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNRG	HY01	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	36	37	37	37	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY03	36	36	37	36	23	23	23	23	23	23	23	22	21	21	21	22	23	24	28	23	33	35	35	
KNYR	HY01	97	99	99	99	98	99	98	99	99	97	96	97	97	87	52	52	60	60	65	64	59	64	77	
KNYR	HY02	101	101	101	101	101	101	101	101	100	100	101	101	91	53	52	60	60	65	64	61	63	61	70	
KNYR	HY03	99	99	99	99	99	99	99	99	99	99	99	99	91	-1	-1	-1	-1	101	100	100	100	100	100	
KNYR	HY04	99	99	99	99	99	99	99	99	99	99	99	99	92	53	53	61	60	61	63	61	70	68	77	
LPJA	HY01	17	17	17	17	17	17	15	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
SIHY	HY01	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	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	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	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	-1	62	62	34	34	34	34	35	34	34	34	34	26	31	31	35	35	35	35	34	35	35	
TMGR	HY02	36	36	64	64	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY03	33	33	60	60	33	33	33	33	33	33	33	33	33	25	30	30	33	33	33	33	34	34	34	
TMGR	HY04	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	
Total Hydro		816	663	748	748	618	582	546	543	546	546	542	541	542	543	490	301	298	339	338	452	455	440	476	
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	
PCUF	CUFK	39	30	30	28	30	30	28	29	28	27	29	29	27	27	29	30	29	29	29	30	27	27	27	
Total Co-Gen		39	30	30	28	30	30	28	29	28	27	29	29	27	27	29	30	29	29	29	30	27	27	27	
Total Gen		14825	14486	14219	13874	13701	13283	13216	13120	12918	12771	12552	12482	12589	12382	12132	11645	11651	11992	12304	12591	12984	13241	13459	
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	
TIE-HVDC		-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTC		26	-38	-22	4	0	51	13	9	29	63	5	-21	64	28	149	57	66	18	59	-51	-48	-22	-52	
Interconnection		-3	-67	-52	-25	-29	22	-15	-19	0	34	-23	-49	35	-1	120	28	37	-11	29	-81	-76	-51	-81	
System Total		14828	14533	14271	13899	13730	13261	13231	13139	12916	12737	12575	12531	12554	12383	12012	11617	11614	12003	12275	12672	13060	13292	13540	
SRev ST-Coal		253	302	400	392	353	354	334	374	323	368	357	350	350	363	394	353	348	355	357	339	354	344	369	
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	
SRev CCGT-Gas		398	382	243	452	327	711	412	462	568	672	816	896	785	978	1148	1496	1490	1190	806	660	548	483	282	

