

#### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,973 MW
Hydro	2,296 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,269 MW</b>
<b>Total IPP</b>	<b>14,199 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>19,468 MW</b>

#### Generation Mix

Type	MWh	Percentage
Gas	60,598	17.27 %
Hydro	9,402	2.68 %
<b>Total TNB</b>	<b>70,000</b>	<b>19.95 %</b>
ST-Coal	180,043	51.31 %
ST-Gas	4,788	1.36 %
Gas	96,071	27.38 %
<b>Total IPP</b>	<b>280,902</b>	<b>80.06 %</b>
Co-Gen	429	0.12 %
<b>Total Co-Gen</b>	<b>429</b>	<b>0.12 %</b>
<b>Total Generation</b>	<b>351,331</b>	<b>100.13 %</b>
PLTG	-251	-0.07 %
HVDC	717	0.20 %
<b>Interconnection</b>	<b>466</b>	<b>0.13 %</b>
<b>Net Energy</b>	<b>350,865</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:	14:30:00 Hour
Total Set On Bus	18,282 MW
TNB Generation	3,629 MW
IPP Generation	12,941 MW
Spinning Reserve	1,694 MW
Maximum Demand	16,600 MW
Net Energy	350,865 MWH
Load Factor	88.07 %

#### Fuel Cost

Total Cost:	46,960,129.25 RM
Cost per Unit	13.73 cents/kWH

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	392
Hydro	318
Syncon	955
Thermal	152
<b>Total</b>	<b>1,817</b>

#### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

#### Gas Usage

Station	(mmscfd)
GLGR	53
PAKA	195
SRDG	8
TJGS	204
<b>Total TNB</b>	<b>460</b>
CBPS	51
KLPP	96
MPSS	58
NPRI	144
PGLA	55
PLPS	87
PTEK	10
SGRI	175
SKSP	47
PKLG	48
<b>Total IPP</b>	<b>769</b>
<b>Total Gas</b>	<b>1,229</b>

**Total Gas Required 1,229**

#### 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	14239	13553	13068	12645	12270	12181	12377	12144	12671	14402	15340	16094	16110	15723	16320	16596	16443	16135	15037	15142	15838	15678	15283	14858

### Daily MW Generation on Thursday

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	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693
JMAH	U002	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691
JMJG	U001	681	671	679	675	674	680	677	677	677	677	678	677	678	674	672	679	671	673	675	677	667	658	673	689
JMJG	U002	675	675	678	672	674	593	669	674	677	672	675	675	675	673	677	678	675	678	673	676	667	676	672	675
JMJG	U003	670	667	666	664	668	663	668	668	666	662	666	668	666	667	672	664	664	662	672	659	664	667	662	668
PKLG	U004	144	145	144	146	146	144	144	144	144	144	144	145	145	144	142	142	144	144	144	148	204	264	278	
PKLG	U005	465	465	462	459	462	462	462	462	462	462	459	459	462	462	466	466	466	466	466	466	466	469	469	
PKLG	U006	474	474	472	465	468	472	472	468	474	472	468	465	465	462	462	468	474	474	474	472	465	464	464	
TBIN	U001	691	688	690	687	687	689	689	683	690	692	688	686	689	687	689	689	688	689	683	689	686	689	688	
TBIN	U002	692	692	691	689	692	689	693	688	690	694	688	692	689	691	693	692	694	692	689	692	690	693	690	
TBIN	U003	694	691	690	690	690	690	689	690	689	690	691	692	691	690	690	689	689	689	689	691	691	690	690	
TBIN	U004	901	901	903	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	
Total ST-Coal		7471	7453	7457	7434	7446	7368	7450	7439	7454	7451	7442	7439	7442	7438	7447	7451	7450	7450	7445	7442	7457	7439	7445	
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	
PKLG	U001	147	147	147	147	147	147	147	147	147	147	147	146	146	147	182	252	270	278	280	282	282	282	282	
Total ST-Gas		147	147	147	147	147	147	147	147	147	147	146	146	147	182	252	270	278	280	282	282	282	282	282	
CBPS	BLK2	368	369	369	369	362	304	209	211	209	210	207	210	210	207	207	201	208	336	365	365	357	364	368	
GLGR	GT01	101	66	68	69	68	68	70	68	67	67	68	68	69	69	67	70	69	68	105	104	103	104	104	
GLGR	GT02	101	68	68	68	68	68	69	68	68	68	68	68	69	69	105	104	104	104	104	104	104	104	104	
GLGR	ST1C	96	71	71	70	70	70	70	70	70	71	70	71	70	71	70	71	70	71	92	93	93	93	93	
KLPP	CT13	135	136	94	66	61	65	65	66	67	66	68	66	66	66	70	100	103	103	139	140	141	141	141	
KLPP	GT14	152	152	152	152	97	97	81	81	81	81	81	81	81	81	81	81	81	81	98	98	126	126		
KLPP	GT15	39	0	0	0	0	0	0	0	0	0	0	0	0	0	41	147	147	148	152	156	156	155		
KLPP	ST17	179	135	122	98	90	89	89	90	90	89	89	89	86	90	170	186	186	202	206	206	205	205		
MPSS	CT01	106	106	89	67	69	69	69	68	67	70	68	69	70	68	103	106	106	106	106	105	105	105	105	
MPSS	CT02	106	106	89	72	71	70	71	70	71	72	71	73	72	70	72	71	103	106	106	106	105	105	105	
MPSS	ST01	111	112	96	64	64	63	63	63	63	64	64	64	64	63	63	63	63	98	111	111	111	111		
NPRJ	BLK1	517	512	514	516	499	344	326	329	332	331	328	329	326	364	325	324	353	331	329	337	391	513		
NPRJ	BLK2	108	261	401	538	542	544	545	544	395	325	327	328	326	328	323	320	329	517	517	513	509	514		
PAKA	GT1A	74	65	66	67	65	66	67	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
PAKA	GT1B	76	64	64	66	64	65	65	65	63	64	64	65	65	64	63	66	92	92	91	90	90	90	90	
PAKA	ST1C	76	66	67	66	66	66	66	66	66	66	66	66	66	66	67	80	80	80	80	80	80	80	80	
PAKA	GT2A	75	64	64	64	64	65	64	62	63	63	65	64	63	64	89	89	87	87	86	85	85	85	85	
PAKA	GT2B	77	64	65	64	64	64	64	63	63	64	64	64	64	65	92	92	91	90	89	88	88	87	87	
PAKA	ST2C	85	75	76	75	75	75	75	75	75	75	75	74	75	88	89	89	89	89	89	89	89	89	89	
PAKA	CT3A	76	65	66	66	65	66	66	65	64	65	65	64	66	65	64	66	91	90	89	88	87	87	86	
PAKA	CT3B	75	64	66	65	64	64	66	64	63	63	64	65	64	63	65	91	90	89	88	87	86	85	85	
PAKA	ST3C	87	76	76	75	75	75	75	75	75	74	75	75	74	75	75	74	75	90	90	90	90	90	90	
PAKA	GT4A	95	95	94	95	95	95	95	95	95	95	95	95	95	93	93	93	93	93	93	93	93	93	93	
PAKA	GT4B	82	82	82	82	82	81	82	82	82	82	81	81	80	79	82	79	79	79	79	79	79	79	79	
PAKA	ST4C	91	91	91	90	90	90	90	90	90	89	89	89	89	89	89	90	91	91	91	91	91	91	91	
PCLA	GT12	230	230	230	167	162	165	165	166	165	165	164	164	165	165	164	228	226	225	223	224	222	222	222	
PCLA	ST10	114	117	114	97	91	93	93	92	92	92	92	115	115	115	115	115	116	116	116	116	116	116	116	
PLPS	GT11	128	65	68	68	63	68	69	69	69	69	69	68	69	69	69	69	69	69	69	69	69	69	69	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	142	141	137	139	140	139	138	139	
PLPS	GT13	147	65	68	68	63	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	
PLPS	ST18	144	97	92	93	89	93	94	94	93	93	94	98	94	98	116	167	166	201	213	213	211	212	211	



### Daily MW Generation on Thursday

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
UPIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5										
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
<b>Total Hydro</b>		163	162	147	181	152	204	177	156	204	185	177	183	191	189	160	153	217	175	188	288	515	562	722	790	767	565	525	558	706	782	801	761	651	677	637	332	206	211	274	513	492	489	484	511	510	275	305	163	
<b>Total Distillate</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	20	18	17	18	18	19	19	17	17	18	17	16	19	18	19	19	18	19	19	18	19	17	17	17	17	18	18	19	19	17	18	18	18	18	16	18	17	18	18	17	18	18	18	17	18	18	18	18	
<b>Total Co-Gen</b>		20	18	17	18	18	19	19	17	17	18	17	16	19	18	19	19	18	19	19	17	17	17	17	17	18	18	19	19	17	18	18	18	18	16	18	17	18	18	17	18	18	19	17	18	18	18	18	18	
<b>Total Gen</b>		14237	13871	13596	13403	13148	12878	12643	12537	12359	12263	12210	12242	12396	12536	12190	12182	12657	13733	14377	14936	15318	15720	16081	16310	16131	15876	15739	16041	16327	16588	16619	16600	16472	16455	16119	15585	15128	14876	15120	15900	15864	15882	15721	15602	15371	15106	14833	14550	
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	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		-32	28	13	8	50	-7	-32	17	59	28	-1	-21	-11	6	16	-42	-44	-28	-55	-46	-52	-34	-42	-51	-9	-8	-14	-30	-23	-42	-7	-14	-1	-18	-46	9	61	-1	-52	-54	-4	2	13	-25	58	37	-55	-7	
Interconnection		-2	57	43	38	80	23	-2	47	89	58	29	8	19	36	46	-12	-14	2	-25	-16	-22	-4	-13	-21	21	22	16	0	7	-12	23	16	29	12	-16	39	91	29	-22	-24	26	32	43	5	88	67	-25	23	
<b>System Total</b>		14239	13814	13553	13365	13068	12855	12645	12490	12270	12205	12181	12234	12377	12500	12144	12194	12671	13731	14402	14952	15340	15724	16094	16331	16110	15854	15723	16041	16320	16600	16596	16584	16443	16443	16135	15546	15037	14847	15142	15924	15838	15850	15678	15597	15283	15039	14858	14527	
SRev ST-Coal		113	131	127	150	138	188	134	145	130	133	142	145	142	146	137	133	134	134	134	139	142	127	145	139	145	144	140	134	127	124	146	144	150	149	148	137	153	131	122	135	139	135	135	135	128	135	133	132	
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	9	34	67	67	62	64	27	31	39	46	30	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		762	671	981	1367	1605	1850	2140	2212	2457	2531	2568	2538	2394	2250	2575	2582	2358	1648	1240	919	763	425	206	151	399	422	523	268	299	203	196	168	170	196	353	420	736	956	745	191	202	186	340	283	311	334	499	641	
SRev ST-Gas		35	35	35	35	35	35	35	35	35	35	35	35	36	36	35	40	30	12	4	2	0	0	0	0	0	0	-1	-1	0	0	0	1	4	36	40	-1	-1	35	33	35	35	34	34	35	37	37	37	37	
SRev Co-Gen		0	2	3	2	2	1	1	3	3	3	2	3	4	1	2	1	1	2	1	3	3	3	3	3	2	2	1	1	3	1	2	2	2	4	2	3	2	2	3	2	2	1	3	2	2	2	2	2	
Syncon		1327	1327	1327	1327	1327	1176	1327	1327	1176	1327	1327	1327	1327	1176	1327	1327	1327	999	999	999	848	848	848	999	999	999	848	913	913	1039	1039	913	659	913	913	913	812	812	812	938	787	787	1039	1165	1266				
Hydro		130	131	146	112	141	240	116	137	240	108	267	110	102	104	133	140	227	118	105	105	206	309	298	382	405	307	196	163	265	490	406	446	380	354	345	318	190	185	122	234	255	258	262	386	387	270	89	130	
<b>S.Reserve Total</b>		2367	2297	2619	2993	3248	3490	3753	3859	4041	4137	4190	4158	4004	3864	4210	4218	3936	3259	2819	2497	2115	1863	1652	1531	1833	1788	1925	1629	1755	1694	1694	1713	1791	1808	1969	1536	1993	2222	1938	1409	1445	1426	1712	1628	1652	1817	1925	2208	