

#### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,794 MW
Hydro	2,400 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,194 MW</b>
<b>Total IPP</b>	<b>15,753 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>Total System</b>	<b>21,576 MW</b>

#### Generation Mix

Type	MWh	Percentage
Gas	42,128	12.22 %
Hydro	11,922	3.46 %
<b>Total TNB</b>	<b>54,050</b>	<b>15.68 %</b>
ST-Coal	180,246	52.30 %
Gas	109,401	31.74 %
<b>Total IPP</b>	<b>289,647</b>	<b>84.04 %</b>
Co-Gen	1,379	0.40 %
<b>Total Co-Gen</b>	<b>1,379</b>	<b>0.40 %</b>
<b>Total Generation</b>	<b>345,076</b>	<b>100.13 %</b>
PLTG	-288	-0.08 %
HVDC	726	0.21 %
<b>Interconnection</b>	<b>438</b>	<b>0.13 %</b>
<b>Net Energy</b>	<b>344,638</b>	<b>100.00 %</b>

#### Maximum Demand Record

Date: 10/23/2017	17,790 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	17,431 MW
TNB Generation	2,778 MW
IPP Generation	13,151 MW
Spinning Reserve	1,445 MW
Maximum Demand	15,977 MW
Net Energy	344,638 MWH
Load Factor	89.88 %

#### Fuel Cost

Total Cost:	6,014,614.82 RM
Cost per Unit	84.74 cents/kWH

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	497
Hydro	294
Syncon	871
Thermal	131
<b>Total</b>	<b>1,793</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Cloudy	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	14368	13691	13198	12797	12532	12304	12405	12575	12664	14134	14888	15461	15480	15283	15652	15948	15930	15573	14488	14289	15501	15321	14818	14648

#### Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	30
TJGS	219
<b>Total TNB</b>	<b>302</b>

CBPS	55
KLPP	93
MPSS	17
NPRI	161
PGLA	106
PLPS	84
SGB3	33
SGRI	70
SKSP	50
YPKA	77
<b>Total IPP</b>	<b>745</b>

**Total Gas 1,047**

**Total Gas Required 1,047**

#### Alternate Fuel Usage

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

Daily MW Generation on Wednesday

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	692	691	691	692	690	691	691	694	691	691	691	692	692	693	692	692	692	692	693	693	692	687	697	691	693	693	691	
JMAH	U002	693	693	694	690	695	695	693	695	694	693	688	694	694	694	694	688	693	691	695	697	694	689	696	694	696	694	690	693
JMJG	U001	672	677	674	672	676	674	676	677	676	677	671	674	674	676	674	673	672	677	678	682	673	671	680	675	674	675	674	677
JMJG	U002	633	630	631	628	630	637	632	631	631	630	634	626	629	632	637	676	672	674	673	673	672	679	678	675	671	676	677	678
JMJG	U003	645	641	639	645	640	640	640	637	637	640	643	635	639	640	642	649	630	640	641	642	640	648	639	639	662	671	671	672
JMJG	U004	980	914	880	857	855	854	786	787	788	790	789	786	787	790	791	787	790	856	856	899	903	952	977	981	980	979	978	982
JMJG	U005	979	896	867	850	843	848	777	779	776	781	781	782	782	783	782	782	778	853	851	897	901	953	986	979	978	979	977	981
PKLG	U004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	U005	469	466	464	469	493	445	465	467	470	469	470	469	470	471	472	466	469	467	463	470	468	482	459	469	468	467	470	469
PKLG	U006	470	469	469	468	470	469	472	470	470	469	472	470	470	472	470	472	470	472	468	470	471	474	471	470	469	469	472	470
TBIN	U002	690	689	692	691	693	693	691	692	692	693	691	694	692	689	690	691	690	691	689	692	690	691	693	694	691	691	693	691
TBIN	U003	689	690	693	691	689	692	689	691	690	691	690	691	690	691	689	692	690	690	687	690	691	689	689	692	690	690	691	691
Total ST-Coal		7612	7456	7394	7353	7374	7338	7212	7220	7215	7224	7220	7212	7217	7224	7229	7236	7254	7396	7414	7487	7508	7606	7670	7643	7593	7617	7682	
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	
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	
CBPS	BLK2	365	367	368	368	368	368	367	371	372	279	225	224	260	356	360	358	358	362	360	361	365	361	361	354	357	361	364	
GLGR	GT01	69	68	68	68	66	67	68	67	68	68	67	68	66	67	69	69	99	102	103	105	102	103	102	102	102	102	101	
GLGR	GT02	68	68	67	68	68	68	68	68	68	68	68	68	68	68	68	101	104	104	104	103	103	103	103	103	103	103	104	84
GLGR	ST1C	71	71	72	71	71	71	71	71	71	71	71	71	71	70	70	71	88	93	93	94	94	94	94	94	94	95	95	
KLPP	GT13	117	121	119	69	69	70	65	66	65	66	71	72	69	66	71	66	114	110	108	142	140	115	146	138	131	145	145	
KLPP	GT14	124	125	129	80	77	75	77	75	75	75	75	80	77	76	79	76	115	111	111	148	144	123	153	146	140	150	152	
KLPP	GT15	118	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	151	144	138	120	146	143	135	142	146	143	
KLPP	ST17	185	181	135	99	90	87	87	90	82	83	85	86	86	90	76	89	89	113	179	187	199	199	187	199	199	199	203	
MPSS	GT01	89	91	92	91	90	88	87	89	89	89	89	89	88	92	88	90	89	87	88	89	87	89	90	85	0	0	0	
MPSS	ST01	38	38	39	39	39	38	38	38	38	38	39	39	40	38	39	39	40	39	40	39	40	42	39	0	0	0	0	
NPRI	BLK1	530	528	529	529	527	528	529	530	529	529	529	530	529	530	529	530	529	530	529	530	529	529	529	529	529	530	529	529
NPRI	BLK2	532	531	532	529	532	532	532	532	422	399	398	507	506	508	506	506	507	507	507	506	507	507	508	508	508	507	507	
PCGP	PGRG	396	404	403	403	403	256	255	256	257	260	259	261	259	260	254	259	257	402	388	398	398	392	390	391	385	395	401	
PGLA	GT11	167	169	176	188	166	178	171	166	167	168	168	180	166	168	170	169	167	190	201	192	217	212	205	216	211	205	216	
PGLA	GT12	171	173	180	194	169	184	175	171	171	171	172	186	170	173	174	173	173	194	205	196	221	217	207	220	213	210	220	
PGLA	ST10	209	207	209	211	213	223	211	207	204	207	206	211	212	205	207	205	207	210	224	222	238	238	236	238	241	239	239	
PGPS	GT3A	69	70	70	70	70	69	70	69	70	70	70	70	70	70	70	70	70	69	70	80	79	94	93	67	67	67		
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PGPS	ST3C	29	29	28	28	29	28	28	28	28	29	28	28	29	29	29	29	28	28	29	29	29	29	29	29	29	29	29	
PLPS	GT11	135	131	131	131	64	64	61	65	67	65	65	65	65	65	65	65	65	65	109	110	114	135	135	127	115	111	115	
PLPS	GT12	140	139	139	109	64	63	63	63	65	64	63	64	65	65	65	64	119	119	116	140	140	131	120	117	120	118	138	
PLPS	GT13	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	142	142	142	135	112	109	112	111	134	132	
PLPS	ST18	208	152	140	136	91	89	87	87	86	87	88	88	87	88	88	129	130	199	210	210	209	196	198	197	209	208	211	
SGB3	GT31	110	109	110	110	110	105	109	109	108	110	109	109	110	109	110	110	110	106	109	110	115	112	116	110	109	112	109	
SGB3	ST34	58	58	55	60	62	56	57	57	52	56	62	56	56	59	59	55	55	55	63	59	59	57	55	59	59	55	55	
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	135	132	127	130	113	109	109	65	100		
SGRI	GT22	145	143	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT23	138	138	139	139	139	139	140	140	140	140	140	140	140	140	141	141	138	146	143	143	143	115	115	115	110	112	119	
SGRI	ST24	149	148	133	93	70	70	69	69	69	69	69	69	70	70	69	72	71	67	71	138	143	146	195	198	198	197	183	
SKSP	BLK1	307	316	284	343	324	320	322	286	219	231	221	325	297	299	238	218	241	271	316	219	294	256	221	272	235	229	255	
TJGS	GT1A	229	229	228	228	230	230	229	231	231	223	215	230	231	194	229	164	234	231	227	227	224	226	225	223	222	226	224	
TJGS	GT1B	225	222	221	222	222	222	222	221	222	216	211	217	214	186	216	158	216	216	216	220	2							



**Daily MW Generation on Wednesday**

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																										
PCUF	CUFK	35	35	33	33	32	33	34	35	32	33	34	34	33	33	34	33	33	32	32	33	32	35	33	32	34	33	32	34	34	33	33	34	34	34	34	33	33	31												
Total Co-Gen		57	61	61	58	58	58	57	57	55	55	56	57	56	58	57	58	56	59	60	59	60	57	57	56	57	56	55	56	57	59	56	55	55	58	57	58	58	59	59	59	59	57	58	58	59	58	57			
Total Gen		14426	14012	13687	13455	13208	13005	12842	12657	12574	12359	12291	12454	12524	12685	12657	12512	12686	13618	14132	14595	14893	15287	15467	15621	15518	15304	15285	15523	15675	15986	15932	15897	15988	15922	15516	14897	14530	14251	14320	15039	15498	15489	15338	15217	14910	14918	14677	14578		
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	31	31	30	30	31	31	31	31	30	30	31	30	30	30	30	31	31	31	31	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31			
TIE-PLTG		28	-14	-54	-14	-20	-34	15	-11	12	7	-42	-27	88	24	52	-25	-7	-80	-33	-20	-24	-36	-25	-47	8	-18	-28	-27	-8	-22	-47	-21	28	-33	-87	1	12	-10	1	-61	-33	-24	-13	-2	62	-10	-2	26		
Interconnection		58	16	-4	16	10	-4	45	19	42	38	-13	3	119	54	82	6	22	-50	-2	10	5	-7	6	-16	38	12	2	2	23	9	-16	9	58	-3	-57	32	42	20	31	-30	-3	7	17	28	92	20	29	57		
System Total		14368	13996	13691	13439	13198	13009	12797	12638	12532	12321	12204	12451	12408	12631	12575	12586	12664	13668	14134	14585	14888	15294	15461	15637	15480	15292	15283	15521	15652	15977	15948	15888	15930	15925	15573	14865	14488	14231	14289	15069	15501	15482	15321	15189	14818	14898	14648	14521		
SRev ST-Coal		110	262	267	264	237	277	200	192	197	188	192	200	195	183	176	208	66	48	272	258	166	102	129	105	105	130	120	123	116	127	119	108	119	114	128	114	120	125	122	124	131	130	100	112	150	131	208			
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	0	0	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 CCGT-Gas		867	985	897	942	1119	1286	1248	1442	1518	1742	1808	1646	1573	1458	1449	1603	1446	922	823	673	402	491	689	547	642	732	713	510	459	258	301	290	288	290	561	988	1325	1586	1507	696	424	445	578	571	712	496	602	369		
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	-4	-4	-1	-1	0	0	2	2	1	0	1	-1	0	-1	1	-2	-3	-2	-5	0	0	1	0	0	1	2	1	0	-2	1	2	2	-1	0	-1	-1	-2	-2	-2	0	-1	-1	-2	-1	0	0	0		
Syncon		1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1115	1266	1266	1266	1266	1266	1115	1115	928	928	1079	777	878	878	878	777	626	626	626	500	626	777	1180	1180	1180	1180	1079	928	777	928	1079	1079	1079	928	928				
Hydro		137	138	121	121	136	136	138	137	137	137	136	128	135	269	139	138	137	99	138	266	261	259	289	123	420	262	214	188	207	445	447	458	505	432	424	98	95	105	111	54	189	321	212	70	138	90	69	181		
S.Reserve Total		2380	2647	2547	2592	2757	2964	2852	3037	3120	3335	3403	3240	3170	3009	3037	3182	3058	2351	12272	2324	2033	1844	2008	1879	1945	1977	1936	1698	1567	1445	1499	1494	1403	1469	1875	2394	2711	2990	2921	1949	1663	1672	1848	1819	2040	1813	1880	1686		