

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,668 MW
Hydro	2,336 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,004 MW</b>
<b>Total IPP</b>	<b>13,858 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>19,426 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	38,070	11.88 %
Hydro	16,781	5.24 %
<b>Total TNB</b>	<b>54,851</b>	<b>17.12 %</b>
ST-Coal	199,592	62.31 %
Gas	65,393	20.41 %
<b>Total IPP</b>	<b>264,985</b>	<b>82.72 %</b>
Co-Gen	188	0.06 %
<b>Total Co-Gen</b>	<b>188</b>	<b>0.06 %</b>
<b>Total Generation</b>	<b>320,024</b>	<b>99.91 %</b>
PLTG	-1,025	-0.32 %
HVDC	727	0.23 %
<b>Interconnection</b>	<b>-298</b>	<b>-0.09 %</b>
<b>Net Energy</b>	<b>320,322</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:	19:30:00 Hour
Total Set On Bus	16,312 MW
TNB Generation	2,762 MW
IPP Generation	12,129 MW
Spinning Reserve	1,414 MW
Maximum Demand	14,869 MW
Net Energy	320,322 MWH
Load Factor	89.76 %

### Fuel Cost

Total Cost:	53,356,228.05 RM
Cost per Unit	17.60 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	333
Hydro	306
Syncon	855
Thermal	218
<b>Total</b>	<b>1,712</b>

### Time Weather Temperature

Afternoon	Rainy	32
Morning	Cloudy	28

### Gas Usage

Station	(mmscfd)
GLGR	54
TJGS	216
<b>Total TNB</b>	<b>270</b>
CBPS	3
KLPP	96
NPRI	78
PLPS	89
SGB3	8
SGRI	55
SKSP	53
YPKA	57
<b>Total IPP</b>	<b>438</b>
<b>Total Gas</b>	<b>708</b>
<b>Total Gas Required</b>	<b>708</b>

### 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	13422	12950	12396	12208	11775	11723	11766	11592	11660	12851	13644	14223	14105	13893	14205	14233	14133	13908	13664	14360	14777	14642	14189	13757

### Daily MW Generation on Saturday

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	692	692	689	692	692	693	689	693	691	687	693	692	692	688	692	689	692	693	691	692	692	692	692	692	
JMAH	U002	696	695	701	694	694	695	692	695	693	700	693	693	694	693	693	694	693	700	692	696	694	695	694	691	694	
JMJG	U002	679	675	677	679	670	677	671	677	673	678	680	678	688	689	681	678	677	703	682	686	686	704	662	667	668	
JMJG	U003	662	669	673	675	658	659	662	664	677	668	671	667	672	683	670	671	665	700	672	679	675	691	649	669	659	
JMJG	U004	854	854	851	824	782	785	786	786	785	782	783	786	785	787	783	782	783	851	851	852	862	900	904	905	904	
JMJG	U005	852	853	852	809	780	780	781	782	780	777	780	782	785	782	780	785	778	783	854	854	849	859	897	901	899	
PKLG	U005	467	468	471	470	469	468	469	470	469	470	470	469	469	469	468	468	472	470	469	469	468	468	469	470	469	
PKLG	U006	467	470	470	469	469	470	469	470	471	468	472	471	470	472	467	470	468	470	472	469	481	465	470	472	469	
TBIN	U001	691	689	690	692	690	690	687	690	689	689	689	689	689	688	691	689	688	687	689	690	689	688	689	690	688	
TBIN	U002	690	687	691	692	691	689	689	693	689	692	691	691	687	689	686	689	690	687	688	691	686	690	692	689	688	
TBIN	U003	690	689	689	691	691	690	692	691	691	690	690	693	692	688	689	691	687	689	688	690	691	689	689	690	688	
TBIN	U004	853	853	850	812	780	780	782	782	782	783	783	781	782	781	782	785	854	854	853	867	904	901	902	902	903	
<b>Total ST-Coal</b>		<b>8293</b>	<b>8294</b>	<b>8307</b>	<b>8196</b>	<b>8066</b>	<b>8076</b>	<b>8071</b>	<b>8090</b>	<b>8092</b>	<b>8089</b>	<b>8095</b>	<b>8092</b>	<b>8109</b>	<b>8116</b>	<b>8084</b>	<b>8092</b>	<b>8083</b>	<b>8143</b>	<b>8301</b>	<b>8305</b>	<b>8306</b>	<b>8376</b>	<b>8403</b>	<b>8429</b>		
<b>Total ST-Oil</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
<b>Total ST-Gas</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
CBPS	BLK2	253	215	170	138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT01	69	68	68	67	68	67	69	70	68	69	67	68	69	70	67	68	69	79	107	107	107	105	105	105	105	
GLGR	CT02	67	68	67	68	68	67	68	69	68	68	68	68	68	68	69	78	111	110	110	109	110	110	109	109	109	
GLGR	ST1C	71	70	71	71	71	71	71	71	71	71	71	71	71	72	71	71	71	73	98	99	99	100	99	99	99	
KLPP	GT13	117	117	118	119	118	117	71	73	68	69	69	68	69	68	68	69	68	117	130	149	149	147	147	149	149	
KLPP	GT14	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	138	143	140	157	154	155	142	142		
KLPP	GT15	123	120	124	120	124	120	81	78	74	75	75	78	79	77	77	74	79	123	141	150	148	146	149	149	146	
KLPP	ST17	182	130	119	120	120	123	92	83	83	85	87	85	87	86	83	91	92	119	192	202	202	204	204	205	205	
NPRI	BLK1	515	511	472	418	495	446	524	460	427	432	477	520	494	499	440	436	491	529	437	525	496	472	527	525	433	
PCGP	PCRG	399	394	294	199	198	197	202	198	195	197	194	198	198	199	197	196	198	205	396	400	397	383	405	399	389	
PLPS	GT11	111	112	108	111	113	111	67	68	63	67	65	68	67	68	67	66	67	116	127	126	134	129	135	141	139	
PLPS	GT12	120	121	117	119	118	118	63	64	61	64	62	64	64	63	64	64	64	77	139	133	136	135	141	141	141	
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	130	124	133	137	133	129	
PLPS	ST18	131	130	131	132	131	129	92	89	90	90	91	90	90	92	91	91	90	112	139	137	207	207	209	207	208	
SGB3	GT33	108	110	110	109	107	109	108	108	104	109	108	20	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	ST34	58	57	57	57	57	57	57	57	56	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT11	73	55	44	35	26	25	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	ST14	58	42	40	33	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	34	34	34	32	54	131	130	125	133		
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	138	138	138	139	134	139	
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	136	138	129	140	139	140	
SGRI	ST24	0	0	0	0	0	0	10	10	0	0	0	0	0	0	23	30	57	58	138	147	217	210	211	209	211	
SKSP	BLK1	232	220	270	234	285	257	340	270	247	243	287	340	322	319	262	255	284	343	244	343	306	319	342	342	268	
TJGS	GT1A	219	221	220	219	221	220	221	170	178	141	140	140	141	196	197	197	194	218	219	219	220	219	220	219	219	
TJGS	GT1B	212	214	213	212	213	214	165	171	134	134	134	134	190	190	190	187	212	212	213	213	213	211	213	212	212	
TJGS	ST1C	246	246	246	246	245	245	244	235	208	182	182	182	220	221	221	223	247	245	245	244	246	246	247	246	248	
TJGS	GT2A	213	212	211	211	211	204	213	216	198	212	210	212	204	208	193	200	213	213	214	210	192	212	213	207	215	
TJGS	GT2B	207	206	206	207	198	210	211	193	208	205	208	201	204	189	196	210	210	210	212	208	189	209	210	205	211	208
TJGS	ST2C	255	255	255	255	255	255	253	250	253	253	253	253	253	255	251	253	254	257	254	254	254	253	256	256	250	
YPKA	GT11	62	62	62	62	62	63	63	63	62	63	63	63	63	62	63	63	63	126	125	126	125	126	126	126	125	
YPKA	GT12	62	63	63	62	62	62	62	62	62	63	62	63	62	62	63	62	62	128	128	128	128	128	128	128	128	
YPKA	ST10	75	74	75	75	75	75	75	75	75	75	75	74	75	74	74	75	116	119	119	119	120	120	121	121	121	



### Daily MW Generation on Saturday

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																									
SRev ST-Coal		368	367	357	353	381	375	378	365	360	358	361	347	337	370	364	364	361	203	199	198	278	251	225	230	204	218	192	219	231	198	206	218	217	216	211	219	289	231	227	218	221	230	218	239	327	377			
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	
SRev CCGT-Gas		838	863	1025	1257	907	958	1031	1458	1593	1422	1347	1310	1280	1117	1277	1265	1245	807	405	317	392	420	158	228	350	403	283	213	264	220	208	267	349	254	490	711	704	723	286	201	290	291	300	526	777	665	654	203	
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		7	48	54	52	51	50	47	49	49	48	51	48	50	48	51	50	50	51	50	53	50	53	51	50	53	52	52	52	51	52	50	49	51	50	49	52	50	53	51	50	48	46	45	51	50	45	48	48	
Syncon		825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	
Hydro		421	352	354	363	263	354	345	387	419	390	394	390	306	304	374	410	354	479	356	445	479	437	423	362	562	255	195	298	280	339	295	296	308	361	241	254	240	221	153	118	312	276	39	60	115	122	129	206	
S.Reserve Total		2459	2455	2615	2850	2427	2582	2626	3084	3246	3043	2975	2934	2808	2631	2897	2914	2838	2372	1839	1839	1818	1526	1408	1390	1720	1953	1976	1832	1664	1604	1790	1857	1953	1796	2124	2360	2332	2343	1906	1414	1540	1681	1732	1994	2161	2072	2159	1021	