

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,662 MW
Hydro	2,375 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,037 MW</b>
<b>Total IPP</b>	<b>15,785 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>Total System</b>	<b>21,443 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	39,818	11.50 %
Hydro	17,939	5.18 %
<b>Total TNB</b>	<b>57,757</b>	<b>16.69 %</b>
ST-Coal	203,045	58.66 %
Gas	85,082	24.58 %
<b>Total IPP</b>	<b>288,127</b>	<b>83.24 %</b>
Co-Gen	1,360	0.39 %
<b>Total Co-Gen</b>	<b>1,360</b>	<b>0.39 %</b>
<b>Total Generation</b>	<b>347,244</b>	<b>100.32 %</b>
PLTG	382	0.11 %
HVDC	726	0.21 %
<b>Interconnection</b>	<b>1,108</b>	<b>0.32 %</b>
<b>Net Energy</b>	<b>346,136</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	17,955 MW
TNB Generation	3,179 MW
IPP Generation	13,273 MW
Spinning Reserve	1,444 MW
Maximum Demand	16,474 MW
Net Energy	346,136 MWH
Load Factor	87.55 %

### Fuel Cost

Total Cost:	57,966,547.72 RM
Cost per Unit	17.60 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	367
Hydro	528
Syncon	580
Thermal	166
<b>Total</b>	<b>1,641</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	51
PGPS	12
SRDG	3
TJGS	219
<b>Total TNB</b>	<b>285</b>
CBPS	55
KLPP	98
NPRI	77
PLPS	83
PTEK	3
SGB3	94
SGRI	84
SKSP	48
YPKA	51
<b>Total IPP</b>	<b>594</b>
<b>Total Gas</b>	<b>879</b>

### Alternate Fuel Usage

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

**Total Gas Required 879**

### 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	13546	12991	12512	12208	11958	11679	12006	12041	12582	14284	15098	15865	15913	15569	16095	16449	16375	16063	15126	15549	15928	15745	15136	14515

### 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	
JMAH	U001	691	693	691	700	691	693	693	692	690	691	693	694	691	692	691	692	691	693	693	692	692	692	692	692	692
JMAH	U002	692	695	695	693	694	692	693	695	696	692	695	694	696	696	694	696	695	694	694	695	696	694	695	695	694
JMJG	U002	671	678	678	673	679	682	677	672	675	674	674	677	675	677	678	678	673	693	671	662	688	679	677	673	678
JMJG	U003	668	678	672	673	677	687	678	671	678	671	670	678	673	682	668	673	673	671	668	683	676	654	664	662	672
JMJG	U004	877	878	877	878	848	783	776	776	778	777	774	777	777	777	777	777	777	776	776	789	906	985	985	983	985
JMJG	U005	881	882	879	881	823	782	780	782	782	782	778	781	782	781	782	785	777	782	791	907	986	981	981	982	983
PKLG	U005	470	471	470	470	470	471	469	469	469	469	467	466	468	468	466	468	469	470	470	469	470	470	470	469	469
PKLG	U006	469	470	470	470	469	471	471	470	467	472	472	470	471	467	472	470	470	469	470	471	469	469	471	471	470
TBIN	U001	690	689	689	689	688	688	687	689	689	689	689	689	691	689	689	689	690	687	689	687	689	691	689	688	688
TBIN	U002	689	690	690	686	694	694	690	689	690	689	694	689	690	690	688	691	688	691	683	694	685	692	687	693	690
TBIN	U003	690	692	693	692	691	692	689	691	693	691	687	691	692	689	692	689	690	689	691	692	685	689	692	689	691
TBIN	U004	883	884	883	881	882	782	781	781	783	782	782	779	781	783	781	780	781	782	782	799	901	981	981	981	982
Total ST-Coal		8371	8400	8387	8386	8306	8117	8084	8077	8090	8084	8077	8080	8086	8095	8078	8086	8082	8088	8077	8125	8465	8691	8685	8669	8694
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
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
CBPS	BLK2	359	361	362	361	363	366	367	365	362	359	361	361	365	364	364	365	369	363	363	372	366	357	357	367	354
GLGR	GT01	68	70	69	69	68	69	69	68	70	70	68	69	68	68	97	96	97	95	95	95	95	96	97	95	97
GLGR	GT02	68	69	69	69	70	69	69	68	69	69	69	69	68	68	69	96	96	97	96	96	96	96	96	96	96
GLGR	ST1C	72	72	72	72	72	72	72	72	72	72	73	72	72	72	72	88	89	89	89	89	89	89	89	89	89
KLPP	GT13	149	112	112	113	71	74	68	69	69	69	68	68	69	109	105	71	112	151	149	145	145	145	145	147	149
KLPP	GT14	0	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	123	118	122	81	85	79	81	81	77	76	82	79	119	117	79	117	153	151	151	149	146	148	148	148
KLPP	ST17	135	118	118	118	92	92	87	84	86	86	82	82	84	117	120	95	111	203	211	207	205	211	210	210	210
NPRI	BLK1	509	511	508	509	527	532	522	482	523	445	363	497	523	445	457	506	481	448	447	532	532	440	509	509	499
PCCP	PCRG	394	199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149	397	416	413	386	398	397	385	378
PGPS	GT3A	0	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	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	69	79	79	80
PGPS	ST3C	0	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	GT11	113	111	111	68	64	67	61	61	62	62	62	62	62	112	61	65	64	146	146	149	148	146	148	144	143
PLPS	GT12	120	118	120	119	68	68	65	65	65	65	63	64	64	119	85	67	66	147	145	144	144	140	141	139	138
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	137	144	143	139	144	143	139	139
PLPS	ST18	131	131	131	126	91	93	90	89	89	89	89	89	89	128	107	89	92	145	201	210	212	211	211	211	211
SCB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	138	138	137	137	137	137	138	138
SCB3	GT32	108	120	109	72	76	77	74	74	73	73	74	74	73	73	77	132	148	147	147	147	147	147	146	146	145
SCB3	GT33	102	114	104	66	70	72	68	65	67	65	67	67	67	67	68	71	141	145	145	145	145	144	144	145	142
SCB3	ST34	132	136	132	101	100	104	101	101	100	100	100	100	100	100	100	138	154	221	221	221	221	221	221	220	220
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	108	140	137	137	138	140	112
SGRI	GT12	110	118	102	75	76	75	73	73	74	71	70	75	72	72	72	73	115	111	111	114	113	110	111	115	110
SGRI	GT13	104	111	106	70	70	69	69	65	65	65	64	66	69	65	69	68	107	106	107	111	111	107	107	110	107
SGRI	ST14	135	136	132	103	102	107	102	105	104	97	100	100	101	100	104	131	131	172	206	204	203	205	204	203	200
SKSP	BLK1	320	344	323	263	259	264	245	221	230	217	223	237	231	217	221	231	228	222	219	268	265	219	233	264	219
TJGS	GT1A	219	219	220	219	220	220	220	179	179	141	178	199	232	232	232	232	232	231	232	229	231	232	231	231	231
TJGS	GT1B	212	212	212	214	212	213	214	214	172	171	135	172	196	222	219	221	222	221	219	219	217	216	215	215	215
TJGS	ST1C	247	246	246	246	246	245	243	243	207	207	181	206	207	255	256	256	256	256	256	256	257	257	257	257	257
TJGS	GT2A	214	220	201	223	222	222	223	225	222	181	222	226	220	185	184	193	198	209	186	220	221	187	217	219	183
TJGS	GT2B	211	218	199	220	219	219	217	223	219	178	218	220	217	180	180	190	194	206	183	217	218	183	214	216	180
TJGS	ST2C	259	259	258	259	261	261	260	249	258	248	249	256	259	250	247	237	255	253	239	260	261	237	253	262	244



### 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																									
Total Co-Gen		62	42	43	42	42	43	45	44	43	44	47	47	51	63	64	64	64	62	59	60	62	61	60	58	61	61	58	60	59	60	62	61	61	61	59	60	64	65	64	63	61	62	60	59	61	60	61		
Total Gen		13599	13382	13028	12822	12552	12417	12252	12071	12015	11701	11720	12001	12074	12283	12132	12214	12648	13741	14318	14717	15095	15605	15898	16157	15852	15873	15600	15896	16142	16511	16447	16383	16389	16425	16680	15606	15218	15050	15610	16034	15839	15902	15774	15661	15218	14994	14651	14247	
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	32	29	30	32	30	30	29	29	31	31	31	31	31	32	29	29	29	30	30	30	30	30	30	31	31	29	32	31	29	32	32	29	29	31	30	30	30	30	30	31	31	31	31	31	31	31	31
TIE-PLTC		23	-11	6	40	10	27	14	-1	28	29	10	72	37	63	61	17	35	11	5	-9	-34	37	3	25	9	45	0	-11	18	5	-33	-24	-18	-8	-13	23	61	57	31	-7	-19	0	-2	-7	52	-23	105	25	
Interconnection		53	19	37	70	40	59	44	29	57	58	41	102	68	94	91	47	66	40	34	21	-3	68	33	55	39	74	31	20	47	37	-2	5	14	24	17	53	92	86	61	23	11	30	29	24	82	8	136	56	
System Total		13546	13363	12991	12752	12512	12358	12208	12042	11958	11733	11679	11899	12006	12189	12041	12167	12582	13701	14284	14696	15098	15537	15865	16102	15913	15799	15569	15966	16095	16474	16449	16378	16375	16401	16063	15553	15126	14964	15549	16011	15928	15872	15745	15637	15136	14986	14515	14191	
SRev ST-Coal		377	349	362	359	353	336	360	369	356	362	369	363	358	351	366	358	371	355	368	359	343	123	129	145	120	133	135	131	113	117	159	153	124	137	135	128	137	133	119	127	116	138	130	136	123	123	131	130	
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	30	-4	64	61	64	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		640	837	690	947	1124	1089	1166	1241	1308	1509	1605	1334	1269	1083	1176	1224	1046	828	511	251	206	575	340	277	466	495	470	391	333	278	352	378	344	290	410	434	584	758	419	354	419	167	245	282	500	543	828	446	
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		-5	15	14	15	15	14	12	12	13	14	13	10	10	6	-6	-7	-7	-7	-5	-2	-3	-5	-4	-3	-1	-4	-4	-1	-3	-2	-3	-5	-4	-4	-4	-2	-3	-7	-8	-7	-6	-4	-5	-3	-2	-4	-3	-4	
Syncon		1224	1224	1224	1073	1073	1073	1224	1224	1224	1073	1073	1073	1073	1073	1224	1224	1224	1073	1073	1073	1073	1073	659	659	472	321	472	936	472	472	472	321	321	321	321	321	810	810	810	508	321	508	508	508	659	972	972	544	544
Hydro		282	161	190	288	301	283	141	140	141	308	277	273	271	261	163	142	165	273	281	263	271	485	420	481	671	560	392	700	667	549	683	611	670	672	618	498	511	513	609	678	571	646	605	472	396	328	522	508	
S.Reserve Total		2518	2586	2480	2682	2866	2795	2903	2986	3042	3266	3337	3053	2981	2774	2923	2941	2799	2522	2228	1944	1890	1837	1544	1372	1577	1656	1929	1693	1582	1444	1508	1522	1516	1480	1625	1868	2039	2207	1647	1473	1608	1455	1483	1546	1989	1962	2022	1624	