

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,496 MW
Distillate	0 MW
Total TNB	5,287 MW
Total IPP	13,922 MW
Total Co-Gen	57 MW
Total System	19,830 MW

### Generation Mix

Type	MWh	Percentage
Gas	48,591	14.31 %
Hydro	32,715	9.64 %
<b>Total TNB</b>	<b>81,306</b>	<b>23.95 %</b>
ST-Coal	156,055	45.96 %
Gas	101,832	29.99 %
<b>Total IPP</b>	<b>257,887</b>	<b>75.96 %</b>
Co-Gen	1,055	0.31 %
<b>Total Co-Gen</b>	<b>1,055</b>	<b>0.31 %</b>
<b>Total Generation</b>	<b>340,248</b>	<b>100.22 %</b>
PLTG	5	0.00 %
HVDC	729	0.21 %
<b>Interconnection</b>	<b>734</b>	<b>0.22 %</b>
<b>Net Energy</b>	<b>339,514</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:	15:00:00 Hour
Total Set On Bus	17,214 MW
TNB Generation	4,211 MW
IPP Generation	11,758 MW
Spinning Reserve	1,202 MW
Maximum Demand	15,998 MW
Net Energy	339,514 MWH
Load Factor	88.43 %

### Fuel Cost

Total Cost:	57,490,092.96 RM
Cost per Unit	18.69 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	593
Hydro	574
Syncon	143
Thermal	96
<b>Total</b>	<b>1,406</b>

### Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
CBPS	14
GLGR	48
PAKA	36
PGPS	37
SRDG	4
TJGS	220
<b>Total TNB</b>	<b>358</b>
CBPS	53
KLPP	97
MPSS	46
NPRI	79
PGLA	109
PLPS	89
SGB3	85
SGRI	83
SKSP	36
YPKA	26
<b>Total IPP</b>	<b>703</b>
<b>Total Gas</b>	<b>1,061</b>
<b>Total Gas Required</b>	<b>1,061</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	13270	12643	12345	12139	11982	11772	12024	12283	12891	14560	15374	15778	15769	15417	15783	15998	15856	15483	14625	15021	15266	14948	14350	13729

### 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	693	694	700	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	
JMAH	U002	693	694	694	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	
JMJG	U002	674	671	672	672	668	676	671	671	673	669	677	678	669	670	675	672	671	672	671	677	673	675	671	671	677
JMJG	U003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JMJG	U004	850	851	821	799	785	782	782	785	783	783	782	783	785	787	785	781	783	791	902	902	903	903	979	981	983
PKLG	U003	284	285	285	284	278	279	280	283	282	283	279	284	279	284	284	285	282	278	278	279	281	282	282	283	279
PKLG	U004	279	281	280	280	281	278	279	280	279	278	282	280	281	281	282	281	281	279	277	276	282	281	280	282	282
PKLG	U005	462	468	469	473	468	467	470	468	468	467	470	471	469	464	444	384	370	447	472	467	466	464	469	469	470
PKLG	U006	471	470	469	472	470	471	470	472	472	471	472	470	467	469	471	471	471	468	470	468	472	472	468	470	470
TBIN	U001	689	688	686	689	688	690	690	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689
TBIN	U002	689	694	687	696	686	694	690	689	696	689	694	686	694	694	692	694	689	694	688	689	689	689	689	689	689
TBIN	U003	692	687	688	692	688	690	692	689	696	694	684	691	693	684	689	693	689	689	697	692	689	692	689	692	689
Total ST-Coal		6476	6483	6451	6447	6402	6417	6414	6416	6428	6413	6419	6422	6414	6410	6406	6344	6315	6382	6417	6528	6529	6601	6509	6608	6604
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	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	28	28	33	23	32	91	99	99	99	
CBPS	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	36	46	46	47	46	46	
CBPS	BLK2	363	363	356	363	357	364	363	301	303	299	298	299	303	353	356	348	354	352	351	350	351	351	355	354	
GLGR	GT01	68	67	67	68	67	68	68	68	68	69	68	67	69	70	68	68	69	68	68	68	68	67	66	66	
GLGR	GT02	68	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
GLGR	ST1C	72	71	71	71	71	71	72	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	
KLPP	GT13	143	146	118	117	106	68	68	68	69	69	68	69	68	72	72	69	103	103	131	130	131	130	134	131	
KLPP	GT14	37	0	0	0	0	0	0	0	0	0	0	0	0	82	152	156	156	156	156	154	155	155	155	155	
KLPP	GT15	145	147	121	125	125	78	79	74	79	75	71	73	76	80	81	75	111	122	152	148	149	149	147	147	
KLPP	ST17	178	134	126	126	124	93	87	87	88	84	85	85	87	89	93	93	151	185	202	202	203	203	203	202	
MPSS	GT01	94	92	91	92	91	92	92	92	93	92	91	91	93	95	93	88	91	93	108	107	107	106	106	105	
MPSS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	83	107	106	106	105	105	104	104	
MPSS	ST01	41	41	40	40	40	40	41	40	41	40	40	39	41	41	41	38	39	40	41	111	111	112	112	111	
NPRI	BLK1	529	525	520	525	520	500	498	503	502	493	477	482	507	514	523	512	512	515	513	512	506	513	518	514	
PAKA	GT4A	84	85	84	85	84	85	85	84	85	85	84	85	84	85	85	86	85	89	90	90	89	89	90	89	
PAKA	GT4B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	56	55	56	68	67	66	66	81	
PAKA	ST4C	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	36	38	38	38	39	39	39	53	85	
PCGP	PCGR	397	397	388	396	380	292	296	198	199	200	198	196	200	196	200	395	394	397	396	395	391	397	403	396	
PGLA	GT11	197	196	180	188	170	182	153	160	168	156	156	157	183	219	221	219	220	219	223	225	225	224	225	223	
PGLA	GT12	201	199	184	192	173	187	157	165	172	161	160	161	188	225	226	224	224	228	229	226	229	230	228	227	
PGLA	ST10	222	224	215	217	208	213	199	198	205	196	195	196	203	240	240	238	237	239	240	243	244	244	247	246	
PCPS	GT3A	69	70	70	70	69	70	69	70	70	70	70	70	70	70	70	70	75	74	94	94	93	94	93	94	
PCPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	73	95	95	95	95	
PCPS	ST3C	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	31	42	89	90	90	91	91	91	91	
PLPS	GT11	112	111	105	67	66	67	67	67	66	65	64	65	67	69	69	109	111	115	134	131	132	131	135	133	
PLPS	GT12	63	64	60	64	59	65	64	65	64	64	64	64	64	68	63	98	120	138	136	136	139	136	135	137	
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	145	129	128	128	128	
PLPS	ST18	111	112	108	91	91	90	91	89	91	91	89	88	91	92	94	110	116	200	205	206	207	207	210	206	
SCB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	138	116	136	138	138	137	130	114	
SGB3	GT32	145	74	70	73	69	72	72	71	72	70	67	70	72	72	76	73	102	118	145	121	149	145	149	147	
SGB3	GT33	141	116	63	67	63	65	67	67	66	67	64	65	65	65	69	66	111	114	144	120	146	144	148	144	
SGB3	ST34	149	125	98	98	96	98	99	99	99	99	99	99	99	100	102	119	139	222	202	222	218	222	222	218	



## 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																										
TMGR	HY02	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	79	84	84	84	84	84	84	84	84	84	84	84	83	64	64	64	34	34	34	34	34	34	34	34	34								
TMGR	HY03	30	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	30	70	79	79	79	79	79	79	79	79	79	79	79	79	60	60	60	32	32	32	32	31	32	32	32	0								
TMGR	HY04	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	65	81	81	81	81	81	81	81	81	81	81	81	81	81	61	61	61	33	33	33	33	33	33	33	33	33								
UJLI	HY01	0	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	0	0	87	93	93	91	92	90	89	-1	-1	-1	-1						
UJLI	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	94	93	92	90	94	96	93	94	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	54	95	95	92	-1	-1	-1	-1	-1	-1	-1	-1						
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7						
Total Hydro		1129	1069	1021	943	965	964	914	855	847	846	819	820	847	850	866	872	868	914	919	1336	1422	1589	1740	1765	1737	1564	1519	1514	1529	1805	1763	1754	1846	1930	1729	1717	1626	1780	1903	1828	1825	1693	1693	1665	1458	1456	1428	1392		
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	0	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	CUFG	15	15	14	14	15	15	16	15	16	17	17	16	16	17	16	17	16	17	17	16	16	16	15	15	15	15	14	15	14	15	15	15	15	15	15	15	15	15	17	15	16	17	16	14	15	14				
PCUF	CUFK	29	27	28	28	28	27	28	29	27	29	30	29	29	29	29	28	29	30	30	29	28	27	28	28	30	29	28	29	28	29	27	26	28	27	29	29	29	29	27	28	29	28	29	28	30	28				
Total Co-Gen		44	42	42	42	43	42	44	44	43	46	47	46	45	44	45	44	46	46	42	43	46	47	45	44	43	43	43	43	43	42	41	43	42	46	44	43	43	42	41	43	42	46	44	43	45	45	42	45	42	
Total Gen		13259	13097	12694	12650	12418	12294	12159	11961	11998	11905	11808	11830	12059	12232	12314	12361	12932	13823	14546	14939	15426	15624	15810	15963	15800	15523	15440	15633	15844	15999	16012	15994	15916	15882	15552	15078	14716	14721	15052	15434	15260	15145	14983	14751	14314	14199	13743	13335		
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	0	
TIE-HVDC		30	30	30	31	31	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	30	30	31	31	30	30	31	31	31	31	31	30	30	30	30	30	31	31	31	31			
TIE-PLTG		-42	34	21	3	42	41	-10	4	-14	8	6	23	4	-26	1	44	10	-39	-45	-16	21	41	1	-52	1	-33	-8	63	30	-9	-15	13	29	33	39	8	60	21	0	-44	-36	-44	5	-17	-66	-19	-17	-46		
Interconnection		-11	64	51	34	73	71	20	34	16	38	36	53	35	5	31	75	41	-8	-14	14	52	71	32	-21	31	-3	23	94	61	21	14	44	60	63	69	39	91	51	31	-14	-6	-14	35	12	-36	12	14	-15		
System Total		13270	13033	12643	12616	12345	12223	12139	11927	11982	11867	11772	11777	12024	12227	12283	12286	12891	13831	14560	14925	15374	15553	15778	15984	15769	15526	15417	15539	15783	15978	15998	15950	15856	15819	15483	15039	14625	14670	15021	15448	15266	15159	14948	14739	14350	14187	13729	13350		
SRev ST-Coal		152	145	148	131	160	145	148	144	132	150	143	138	148	152	157	106	156	138	151	158	157	119	171	78	82	68	73	77	81	83	79	77	79	85	78	78	75	106	93	80	72	54	84	62	75	117	145	133		
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	112	34	34	34	34	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		1127	1009	1332	1294	1504	1641	1725	1866	1832	1912	1989	1970	1759	1585	1514	1412	1236	945	487	724	420	462	338	310	440	659	735	532	331	411	438	451	618	729	865	977	1161	1096	900	479	682	691	862	887	847	915	1178	1226		
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		13	15	15	15	14	15	13	13	14	11	10	11	12	12	13	12	12	13	11	11	15	14	11	10	11	10	12	13	14	14	14	12	13	14	14	14	15	16	14	15	11	13	14	12	12	15	12	15		
Syncon		0	539	627	627	627	627	627	627	627	627	627	627	627	476	627	627	627	476	0	0	0	0	0	187	187	187	187	187	187	187	187	187	187	187	187	0	0	0	0	0	187	187	187	374	374	374	374	374		
Hydro		824	298	283	261	264	265	267	288	256	257	259	258	256	253	379	206	210	350	496	888	702	661	605	635	663	644	639	637	622	458	450	459	457	363	484	401	342	570	597	672	675	620	620	648	418	420	448	399		
S.Reserve Total		2116	2004	2405	2328	2569	2693	2780	2938	2861	2957	3028	3004	2802	2629	2539	2363	2241	2073	1621	1781	1294	1256	1125	1033	1199	1568	1646	1446	1235	1265	1202	1220	1388	1412	1662	1504	1591	1788	1604	1246	1440	1565	1767	1796	1726	1841	2157	2147		