

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,416 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,207 MW</b>
<b>Total IPP</b>	<b>14,132 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>Total System</b>	<b>19,960 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	45,725	13.76 %
Hydro	28,566	8.60 %
<b>Total TNB</b>	<b>74,291</b>	<b>22.36 %</b>
ST-Coal	151,948	45.73 %
Gas	105,570	31.77 %
<b>Total IPP</b>	<b>257,518</b>	<b>77.50 %</b>
Co-Gen	1,143	0.34 %
<b>Total Co-Gen</b>	<b>1,143</b>	<b>0.34 %</b>
<b>Total Generation</b>	<b>332,952</b>	<b>100.20 %</b>
PLTG	-47	-0.01 %
HVDC	699	0.21 %
<b>Interconnection</b>	<b>652</b>	<b>0.20 %</b>
<b>Net Energy</b>	<b>332,300</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:	16:00:00 Hour
Total Set On Bus	17,118 MW
TNB Generation	3,784 MW
IPP Generation	11,998 MW
Spinning Reserve	1,289 MW
Maximum Demand	15,808 MW
Net Energy	332,300 MWH
Load Factor	87.59 %

### Fuel Cost

Total Cost:	57,810,844.94 RM
Cost per Unit	18.99 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	525
Hydro	340
Syncon	306
Thermal	72
<b>Total</b>	<b>1,243</b>

### Time Weather Temperature

Afternoon	Sunny	35
Morning	Cloudy	28

### Gas Usage

Station	(mmscfd)
GLGR	55
PGPS	39
SRDG	32
TJGS	216
<b>Total TNB</b>	<b>343</b>

### Alternate Fuel Usage

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

CBPS	55
KLPP	97
MPSS	11
NPRI	80
PDPS	19
PGLA	111
PKLG	13
PLPS	93
PTEK	31
SGB3	89
SGRI	87
SKSP	33
YPKA	30
<b>Total IPP</b>	<b>747</b>
<b>Total Gas</b>	<b>1,090</b>
<b>Total Gas Required</b>	<b>1,090</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	12875	12301	11856	11624	11421	11474	11632	11862	12336	14020	14895	15476	15397	15142	15577	15557	15808	15450	14630	14883	15283	14860	14197	13543



## 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	691	691	692	695	691	692	692	692	694	692	691	693	691	692	691	691	691	691	691	692	692	692	692	692
JMAH	U002	694	694	694	692	692	693	696	694	694	693	696	694	693	695	700	694	693	693	693	695	695	695	693	693
JMJG	U002	671	672	668	561	440	450	450	449	450	447	447	447	447	449	449	448	450	448	447	447	448	450	501	559
JMJG	U003	666	667	661	669	671	670	671	546	447	444	442	442	432	436	442	445	446	444	444	444	442	390	401	330
JMJG	U004	835	795	785	785	785	783	782	783	782	783	782	780	782	781	789	788	787	789	865	903	947	968	983	985
PKLG	U003	286	283	283	284	288	283	280	280	282	282	283	282	282	209	200	217	251	280	280	281	281	277	280	280
PKLG	U004	282	284	282	280	283	278	280	278	279	280	280	279	278	279	276	279	279	279	280	280	281	278	278	277
PKLG	U005	469	466	467	466	467	469	469	468	469	466	463	464	468	470	468	466	468	468	468	468	468	468	469	469
PKLG	U006	471	468	471	470	468	473	470	471	471	471	471	470	469	468	470	468	468	473	471	472	463	468	470	471
TBIN	U001	691	690	689	690	690	689	689	688	689	690	690	690	691	689	690	689	688	690	690	689	689	690	691	689
TBIN	U002	694	631	632	634	645	690	692	692	692	689	693	691	689	690	690	690	693	691	689	690	693	694	690	694
TBIN	U003	692	689	690	694	692	691	688	690	691	692	693	692	688	689	694	694	688	689	697	695	683	691	694	670
Total ST-Coal		7142	7030	7014	6920	6812	6861	6859	6731	6639	6630	6630	6626	6618	6550	6557	6569	6600	6640	6722	6752	6773	6817	6834	6860
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
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
CBPS	BLK2	352	360	361	354	354	357	357	360	357	362	361	356	360	360	360	362	359	362	361	357	360	362	362	362
GLGR	GT01	66	68	67	68	67	67	67	69	68	68	68	69	67	77	105	104	104	102	104	104	103	103	104	104
GLGR	GT02	70	68	68	69	67	68	68	68	68	68	68	78	104	104	104	104	104	104	103	103	104	111	104	104
GLGR	ST1C	71	72	72	72	72	71	71	72	71	72	72	71	71	73	94	94	94	93	93	94	94	94	94	94
KLPP	GT13	124	122	120	119	94	68	69	68	68	68	68	70	99	134	122	119	130	131	130	131	132	131	127	124
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	47	160	155	154	156	156	155	155	154	154	152	154
KLPP	GT15	129	129	126	122	118	103	73	78	74	79	74	76	80	117	147	123	123	142	144	149	150	150	148	148
KLPP	ST17	128	124	124	124	118	102	86	86	85	85	84	86	85	106	135	121	129	133	195	199	202	203	202	209
MPSS	GT01	89	90	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MPSS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MPSS	ST01	39	39	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPRI	BLK1	520	523	515	520	496	499	487	518	505	504	509	507	527	523	488	505	509	508	512	514	512	514	509	512
PCGP	PGRG	384	395	381	388	385	391	388	397	396	392	392	396	402	396	398	386	390	390	337	337	337	337	335	336
PGLA	GT11	151	182	192	184	206	206	201	214	209	211	210	211	218	217	203	184	168	209	223	219	219	220	218	220
PGLA	GT12	154	184	194	188	208	210	206	218	210	215	214	215	223	221	208	187	173	214	227	225	224	224	218	223
PGLA	ST10	204	204	222	222	230	230	228	235	237	232	229	232	236	238	236	213	204	231	236	240	243	243	242	243
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
PGPS	GT3B	69	70	70	69	70	70	70	70	70	70	70	70	70	69	70	70	70	69	70	70	69	70	69	70
PGPS	ST3C	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	30	30
PLPS	GT11	108	111	107	107	109	112	98	65	64	65	66	66	80	148	143	142	151	152	151	151	151	149	151	147
PLPS	GT12	115	120	115	100	59	60	60	63	62	61	62	63	61	120	119	116	117	120	119	120	119	116	120	116
PLPS	ST18	0	0	0	0	0	0	0	0	0	0	0	0	0	73	144	144	145	145	146	147	146	146	146	145
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	33	104	140	129	129	135	129	98	118	96	98	101
SGB3	GT32	68	71	67	67	67	70	68	71	73	72	71	73	71	73	73	70	67	116	133	133	142	134	102	121
SGB3	GT33	67	67	66	66	67	67	66	66	66	67	67	67	67	67	105	102	105	110	131	133	140	129	99	117
SGB3	ST34	99	99	96	96	98	98	98	98	98	97	97	98	100	112	116	150	203	212	216	216	217	195	208	191
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	48	137	118	130	132	134	127	106	117	104	107
SGRI	GT22	67	70	66	69	71	71	71	71	70	71	71	71	71	73	70	69	69	109	138	136	142	135	111	123
SGRI	GT23	65	65	62	62	62	62	64	62	62	65	65	65	65	68	62	67	65	111	137	137	140	131	109	121
SGRI	ST24	93	93	91	87	94	91	88	87	89	92	94	94	99	95	89	91	169	192	208	206	207	212	196	204
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	61	111	178	347	349	347	345	347	347

### 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																									
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	7	50	50	50	50	51	30	30	50	50	50	30	30	0																							
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	14	25	25	25	25	25	17	17	17	25	25	25	17	7	0																						
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	3	25	25	25	25	17	17	17	25	25	25	25	17	0																							
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	17	17	17	25	25	25	17	0																							
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	17	17	17	25	25	25	17	0																							
TMGR	HY02	31	36	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	83	84	84	84	63	64	84	84																						
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	80	79	80	79	79	60	60	60	79	80	80																					
TMGR	HY04	32	34	31	33	34	33	34	34	34	34	34	34	34	34	34	80	81	81	81	81	61	61	61	81	80	61	59	79	31	31	33	30	33	63	81	81	81	81	81	81	81								
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	87	92	88	93	90	89	93	88	86	92	84	92	114	-1	-1	-1	92	101	92	93	92	88	88	92	-1	-1						
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	-1	-1	-1	94	102	94	93	94	90	90	94	-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							
Total Hydro		908	659	553	520	398	334	272	273	272	292	271	272	276	277	275	270	269	723	830	1248	1419	1725	1764	1773	1654	1554	1467	1557	1563	1704	1687	1549	1613	2058	1810	1218	1126	1395	1784	1977	2135	2137	2136	2126	2125	2045	1492	1149	
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		
PCUF	CUFG	15	16	15	16	16	15	15	16	15	15	15	15	14	13	13	12	12	12	12	12	13	13	11	11	11	11	13	11	11	13	12	11	11	11	11	12	12	13	13	13	13	13	12						
PCUF	CUFK	32	34	34	33	33	34	33	35	34	33	34	35	34	33	34	35	35	36	34	33	34	35	35	34	36	35	33	35	35	34	34	34	36	34	35	35	35	35	34	34	34	34	35	34	34				
Total Co-Gen		47	50	49	49	49	49	48	51	49	48	49	50	49	48	48	48	46	48	47	47	47	47	47	46	44	46	46	47	45	49	46	46	46	46	46	46	46	46	47	46	47	47	48	47	46				
Total Gen		12894	12646	12316	12091	11896	11837	11658	11624	11468	11489	11480	11477	11621	11814	11914	11962	12369	13399	14049	14557	14920	15290	15511	15665	15407	15242	15180	15374	15613	15856	15620	14980	15829	15477	15470	15031	14660	14405	14899	15418	15311	15157	14869	14659	14244	14025	13570	13409	
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		
TIE-HVDC		31	31	30	30	31	31	31	31	31	30	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	-29	30	30	31	31	31	31	30	30	29	29	30	30	31	31	31	31			
TIE-PLTG		-12	-13	-15	1	9	14	3	18	16	21	-24	3	-41	-2	21	21	3	-4	-1	-31	-6	13	5	-49	-20	-24	7	7	5	50	33	-21	-9	-30	-11	-24	-1	37	-14	-20	-2	-23	-21	14	16	5	-3	2	
Interconnection		19	18	15	31	40	44	34	49	47	51	6	33	-11	29	52	33	26	29	-1	25	44	35	-19	10	7	38	38	36	80	63	-50	21	0	20	8	30	68	16	10	28	6	9	44	47	36	27	33		
System Total		12875	12628	12301	12060	11856	11793	11624	11575	11421	11438	11474	11444	11632	11785	11862	11910	12336	13373	14020	14558	14805	15246	15476	15684	15397	15235	15142	15336	15577	15776	15557	15030	15808	15477	15450	15023	14630	14427	14883	15408	15283	15151	14860	14615	14197	13989	13543	13376	
SRev ST-Coal		160	162	-71	22	130	149	151	41	131	139	140	141	150	181	138	126	95	136	130	141	123	79	62	186	85	92	64	81	75	57	65	56	70	32	85	6	63	99	84	24	26	31	24	31	19	223	84	56	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-4	-6	-6	-5	-9	4	3	35	32	35	34	57	36	84	82	16	167	114	389	312	161	113	130	134	210	84	67	0	0	0	
SRev CCGT-Gas		1227	1117	1324	1261	1226	1270	1384	1294	1315	1304	1293	1294	1145	885	792	1176	1021	986	373	665	584	563	552	422	562	538	484	488	301	423	441	551	324	213	297	366	333	448	499	181	270	418	577	571	797	703	743	588	
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		10	7	8	8	8	8	9	6	8	9	8	7	8	8	6	7	6	8	9	9	9	11	9	10	10	10	10	10	10	10	12	12	8	11	11	11	11	11	11	11	10	10	10	9	10	11			
Syncon		460	1014	1014	1102	1102	1228	1354	1354	1354	1203	1354	1354	1354	1354	1102	951	863	777	338	338	338	338	338	338	338	338	338	338	491	338	187	0	374	374	374	0	0	0	0	0	0	0	0	0	525	676			
Hydro		560	155	161	106	228	166	102	101	102	233	103	102	98	99	104	105	103	347	265	180	313	274	265	384	635	571	481	475	374	391	376	465	171	606	824	766	497	632	439	281	279	280	290	291	371	399	191		
S.Reserve Total		2417	2455	2436	2499	2694	2821	3000	2796	2910	2888	2898	2898	2755	2525	2389	2767	2581	2335	1806	1937	1667	1297	1228	1224	1382	1497	1499	1433	1234	1262	1282	1569	1289	631	1167	1692	1936	1741	1387	768	718	872	1102	986	1184	1306	1761	1522	