

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,316 MW
Hydro	2,471 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,787 MW</b>
<b>Total IPP</b>	<b>16,441 MW</b>
<b>Total Co-Gen</b>	<b>36 MW</b>
<b>Total System</b>	<b>21,264 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	35,044	10.06 %
Hydro	14,472	4.15 %
<b>Total TNB</b>	<b>49,516</b>	<b>14.21 %</b>
ST-Coal	184,157	52.86 %
ST-Gas	110	0.03 %
ST-Oil	2,628	0.75 %
Gas	111,495	32.00 %
<b>Total IPP</b>	<b>298,390</b>	<b>85.65 %</b>
Co-Gen	1,159	0.33 %
<b>Total Co-Gen</b>	<b>1,159</b>	<b>0.33 %</b>
<b>Total Generation</b>	<b>349,065</b>	<b>100.20 %</b>
PLTG	-33	-0.01 %
HVDC	729	0.21 %
<b>Interconnection</b>	<b>696</b>	<b>0.20 %</b>
<b>Net Energy</b>	<b>348,369</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	17,703 MW
TNB Generation	2,430 MW
IPP Generation	13,608 MW
Spinning Reserve	1,618 MW
Maximum Demand	16,071 MW
Net Energy	348,369 MWH
Load Factor	90.32 %

### Fuel Cost

Total Cost:	60,487,021.28 RM
Cost per Unit	18.08 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	426
Hydro	463
Syncon	834
Thermal	112
<b>Total</b>	<b>1,835</b>

### Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	41
TJGS	163
<b>Total TNB</b>	<b>256</b>
CBPS	53
KLPP	74
MPSS	49
NPRI	158
PGLA	108
PLPS	89
SGRI	136
SKSP	52
YPKA	31
PKLG	1
<b>Total IPP</b>	<b>751</b>
<b>Total Gas</b>	<b>1,007</b>

**Total Gas Required 1,033**

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	26
<b>Total</b>	<b>26</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	14653	14024	13675	13215	12950	12709	12760	12503	12315	13631	14558	15209	15215	15075	15558	15653	15693	15520	14863	14856	16068	15988	15558	15306

### 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	0	0	0	0	0	0	0	0	0	0	0	0	0	89	199	204	239	271	314	352	349	401	524	637	702	702	706	692	702	703	691	694	684	692	692	692	693	692	696	694	691	692	696	693	694	697	693	694	
JMAH	U002	695	695	695	693	694	693	693	695	693	693	693	693	693	693	693	693	693	693	693	693	695	695	689	695	694	693	694	693	694	693	696	694	694	693	693	696	694	695	693	696	694	695	693	696	693	694	697	693	694
JMIG	U001	672	691	673	678	677	674	677	673	673	676	675	678	678	673	677	676	677	677	673	673	683	674	675	678	677	682	674	672	677	678	675	679	675	673	675	677	672	666	674	676	673	675	678	677	678	673	676		
JMIG	U002	672	672	667	673	674	669	672	671	676	669	672	672	672	671	672	673	678	671	673	655	603	545	545	548	547	549	546	547	548	545	547	548	548	541	549	546	548	551	548	549	546	551	549	548	548	549	548		
JMIG	U003	668	671	666	666	668	666	668	668	668	666	665	667	666	668	664	664	667	667	671	662	672	665	666	668	667	667	663	668	665	667	669	666	664	663	667	667	668	666	667	671	667	667	667	667	667	667	668	667	
JMIG	U004	945	895	892	892	895	877	850	850	849	850	803	801	800	801	803	782	782	795	861	917	923	923	935	959	978	979	978	979	980	980	980	979	980	980	978	978	977	980	978	977	977	978	979	979	980	978	952		
PKLG	U003	282	283	283	282	280	281	281	280	280	281	283	281	283	282	283	283	282	283	283	283	281	283	280	281	281	283	282	282	281	282	282	281	281	281	280	280	280	280	281	282	282	282	282	284	284	281			
PKLG	U004	278	278	281	282	281	279	280	281	277	277	277	278	279	279	278	280	281	281	277	282	281	278	283	280	282	278	280	275	278	277	279	276	278	280	279	282	280	281	282	280	281	282	280	279	279	277	279	281	
PKLG	U005	466	468	468	468	466	462	462	462	462	462	467	461	462	469	464	463	464	467	464	463	465	466	466	468	467	467	460	453	455	457	452	454	454	452	451	450	451	454	455	454	451	451	451	451	454	452	452		
PKLG	U006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TBIN	U001	687	691	687	690	688	686	687	686	687	688	689	687	687	684	688	687	688	689	686	690	689	691	687	687	687	688	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	687	
TBIN	U002	692	693	692	690	691	690	689	690	691	691	691	692	690	689	692	692	692	691	692	691	687	694	690	689	690	689	690	691	689	690	691	689	689	689	692	690	687	690	692	690	690	690	688	689	689	690	689	689	
TBIN	U003	691	691	690	692	689	693	689	691	690	690	691	691	690	689	691	690	689	690	691	689	689	692	686	689	690	679	690	689	687	689	689	691	690	690	689	689	689	690	690	689	689	692	689	691	689	689	689		
TBIN	U004	0	0	0	0	0	0	0	0	64	126	116	180	268	257	391	421	464	580	624	713	765	827	894	946	965	961	961	981	984	984	981	984	980	981	983	982	982	983	980	981	983	981	983	983	980	978	950		
Total ST-Coal		6748	6728	6694	6706	6703	6670	6648	6647	6648	6707	6734	6717	6782	6867	6859	6974	7103	7266	7459	7560	7642	7690	7783	7882	8002	8142	8256	8311	8316	8336	8323	8323	8330	8312	8310	8313	8323	8381	8407	8416	8417	8414	8411	8414	8421	8432	8418	8379	
PKLG	U001	255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	U002	284	284	283	284	283	283	285	283	284	284	283	283	285	283	251	182	146	150	151	151	0	0	0	0	0	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-Oil		539	284	283	284	283	283	285	283	284	284	283	283	285	283	251	182	146	150	151	151	0	0	0	0	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	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CBPS	BLK2	365	379	377	377	375	378	373	373	376	377	218	223	222	220	219	222	222	367	365	363	362	365	362	362	354	359	359	361	361	359	356	359	354	352	357	353	352	348	350	357	356	353	358	362	360	354	360	354	
GLGR	GT01	105	103	103	103	85	68	69	69	67	67	70	70	67	68	69	70	67	68	102	103	104	102	104	103	100	67	68	78	105	103	104	104	104	102	68	67	68	85	103	103	104	104	104	104	105	104	104	104	104
GLGR	GT02	104	104	104	104	85	68	68	68	67	68	68	68	68	68	68	68	67	67	102	103	104	104	104	104	99	67	68	80	103	104	103	104	103	104	68	67	68	86	104	103	104	104	104	104	104	104	104	103	103
GLGR	ST1C	93	93	92	93	87	70	70	71	71	71	71	70	71	71	71	71	88	93	94	93	94	93	93	72	71	74	93	94	94	93	94	93	78	71	71	77	93	93	94	93	93	94	93	93	94	93	94	93	94
KLPP	GT13	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT14	154	154	155	155	154	115	111	76	77	77	77	75	78	77	77	79	81	149	152	150	153	153	153	153	153	152	153	152	152	152	154	153	153	154	153	136	137	152	153	154	154	155	156	155	155	155	155		
KLPP	GT15	149	143	144	144	144	116	94	66	67	68	68	69	67	69	66	69	71	138	142	139	141	144	141	140	141	141	144	142	142	143	143	142	143	142	143	143	143	133	134	134	144	144	143	144	144	145	145	145	
KLPP	ST17	175	136	137	137	135	121	113	94	90	86	86	83	82	84	129	133	137	138	138	135	135	133	133	133	133	133	133	133	133	134	134	136	129	129	133	137	135	135	133	133	133	135	133	135	135	135			
MPSS	GT01	110	106	96	89	100	92	89	90	91	89	88	90	91	89	90	91	91	110	108	89	106	104	105	105	104	104	103	103	102	102	103	103	103	103	103	84	68	87	106	106	107	106	108	108	108	109	109		
MPSS	GT02	108	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	82	105	104	104	105	104	104	104	104	103	104	103	103	104	82	69	87	105	105	105	105	105	105	106	105	92	5			
MPSS	ST01	112	87	45	39	38	38	37	39	37	37	39	39	39	39	39	39	40	51	53	42	115	115	115	115	115	115	115	115	115	115	115	115	115	95	69	80	114	115	116	116	116	116	116	115	51				
NPRI	BLK1	525	526	527	530	527	528	529	529	528	495	494	493	493	494	494	494	494	514	511	513	514	512	513	51																									



### 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																											
TMGR	HY04	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
UJLI	HY01	-1	31	91	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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																											
UPLA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																											
Total Hydro		1114	1088	1073	922	922	925	987	985	922	918	944	920	895	891	797	421	222	219	241	280	384	401	556	553	467	324	257	255	350	450	452	523	540	631	552	412	290	292	288	558	844	823	761	585	339	333	313	456			
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	0	0	0
PCUF	CUFG	8	9	8	10	10	9	9	7	7	6	7	7	8	8	8	7	7	8	15	11	11	18	18	19	18	18	19	18	19	19	18	20	19	14	13	13	12	17	16	15	16	16	18	18	18	19	18	19			
PCUF	CUFK	40	40	41	41	42	39	39	40	41	40	39	42	42	41	40	41	37	36	36	34	32	28	32	31	34	36	37	36	41	29	29	33	29	29	28	30	31	30	31	29	29	31	31	30	30	29	34	34			
Total Co-Gen		48	49	49	51	52	48	48	47	48	46	46	49	50	49	48	44	44	51	45	43	46	50	50	52	54	56	54	60	48	47	53	48	43	41	43	43	47	47	44	45	47	49	48	48	48	52	53				
Total Gen		14653	14424	14048	13769	13666	13415	13214	13082	12963	12887	12737	12688	12777	12890	12510	12201	12337	13103	13668	14152	14578	14936	15236	15498	15267	15245	15114	15290	15580	15758	15759	15842	15799	15865	15600	15165	14904	14737	14922	15810	16094	16085	16051	15866	15579	15482	15374	15275			
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	29	29	30	30	30	31	31	30	30	31	31	29	32	32	29	31	31	29	30	30	31	31	31	31	31	31	30	31	31	32	30	31	30	30	31	31	29	29	29	29	29	30	30	31	31				
TIE-PLTG		-31	-62	-6	-47	-39	-29	-30	7	-18	21	-2	-52	-14	-6	-22	-74	-10	15	8	14	-11	-63	-3	19	22	43	9	-35	-9	-3	76	2	74	48	50	1	11	-13	35	-42	-3	-15	34	20	-9	15	37	24			
Interconnection		0	-32	24	-18	-9	1	-1	37	13	52	28	-22	17	24	7	-42	22	47	37	45	20	-34	27	49	52	74	39	-4	22	28	106	33	106	79	80	33	41	16	66	-12	26	14	63	49	21	45	68	54			
System Total		14653	14456	14024	13787	13675	13414	13215	13045	12950	12835	12709	12710	12760	12866	12503	12243	12315	13056	13631	14107	14558	14970	15209	15449	15215	15171	15075	15294	15558	15730	15653	15809	15693	15786	15520	15132	14863	14721	14856	15822	16068	16071	15988	15817	15558	15437	15306	15221			
S.Rev ST-Coal		133	73	107	95	98	131	153	154	153	104	167	184	119	174	228	123	75	-40	112	-19	9	81	148	99	129	99	85	130	155	135	148	148	141	159	161	158	148	170	164	151	99	102	106	103	100	89	103	85			
S.Rev ST-Oil		2	2	3	2	3	3	1	3	2	2	3	3	1	3	35	41	38	38	38	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S.Rev 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	0	0
S.Rev CCGT-Gas		1171	875	643	570	670	813	1056	1182	1241	1370	1572	1583	1537	1502	1747	1726	1480	878	629	385	401	230	326	312	503	524	704	579	395	325	312	306	368	370	552	792	941	1172	1059	457	461	448	419	430	478	580	658	646			
S.Rev 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	0
S.Rev 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	0	0	0
S.Rev Co-Gen		-12	-13	-13	-15	-16	-12	-12	-11	-12	-10	-10	-13	-14	-13	-12	-12	-8	-8	-15	-9	-7	-10	-14	-14	-16	-18	-20	-18	-24	-12	-11	-17	-12	-7	-5	-7	-7	-11	-11	-8	-9	-11	-13	-12	-12	-12	-16	-17			
Syncon		676	640	640	827	827	827	827	827	827	827	827	827	1029	1266	1351	1200	1250	1099	948	651	651	711	812	1200	1200	948	797	797	626	626	626	711	1164	1265	1265	1265	626	500	500	626	727	812	812	963	1013						
Hydro		306	285	300	264	264	261	199	201	264	268	393	266	291	295	303	293	155	157	286	197	244	368	510	513	539	581	270	272	429	473	471	578	711	720	714	276	197	195	199	618	558	579	515	590	576	582	451	320			
S.Reserve Total		2276	1862	1680	1743	1846	2023	2224	2356	2475	2561	2801	2850	2761	2788	3128	3200	3006	2376	2250	1843	1784	1650	1621	1561	1866	1998	2239	2163	1903	1718	1717	1641	1834	1868	2133	2383	2544	2791	2676	1844	1609	1618	1653	1838	1954	2051	2159	2047			