

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,053 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,855 MW</b>
<b>Total IPP</b>	<b>15,788 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>21,215 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	36,275	10.65 %
Hydro	7,747	2.28 %
<b>Total TNB</b>	<b>44,022</b>	<b>12.93 %</b>
ST-Coal	216,252	63.51 %
Gas	77,390	22.73 %
<b>Total IPP</b>	<b>293,642</b>	<b>86.24 %</b>
Co-Gen	1,880	0.55 %
<b>Total Co-Gen</b>	<b>1,880</b>	<b>0.55 %</b>
<b>Total Generation</b>	<b>339,544</b>	<b>99.72 %</b>
PLTG	-246	-0.07 %
HVDC	-701	-0.21 %
<b>Interconnection</b>	<b>-947</b>	<b>-0.28 %</b>
<b>Net Energy</b>	<b>340,491</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:	15:00:00 Hour
Total Set On Bus	16,639 MW
TNB Generation	2,343 MW
IPP Generation	12,910 MW
Spinning Reserve	1,313 MW
Maximum Demand	15,403 MW
Net Energy	340,491 MWH
Load Factor	92.11 %

### Fuel Cost

Total Cost:	57,448,233.04 RM
Cost per Unit	17.31 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	417
Hydro	421
Syncon	729
Thermal	92
<b>Total</b>	<b>1,659</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	205
<b>Total TNB</b>	<b>255</b>
CBPS	54
KLPP	66
NPRI	79
PGLA	56
PLPS	88
SGRI	74
SKSP	19
YPKA	64
<b>Total IPP</b>	<b>501</b>
<b>Total Gas</b>	<b>756</b>
<b>Total Gas Required</b>	<b>756</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	14520	13934	13413	13015	12878	12858	12711	12259	12181	13401	14262	14951	14871	14663	15216	15403	15243	14964	14729	14752	15228	15256	14962	14683

### 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	0	0	0	0	0	0	0	0	0	0	0	93	205	202	205	274	297	334	364	366	468	500	548	550	605	694	701	699	702										
JMAH	U002	695	694	695	694	695	694	692	693	693	692	693	694	693	693	694	694	691	693	694	691	691	694	692	693	694	695	692	695	692	694	693	694	693	694	693	695	694	693	693	692	693	693	694									
JMJG	U001	646	641	646	645	650	643	645	645	652	644	645	645	648	645	647	648	651	645	646	644	688	679	677	677	674	673	677	673	677	674	678	677	673	672	673	676	677	675	677	676	675	671	673	676	673	674	675	677				
JMJG	U002	623	620	626	637	619	625	623	623	623	621	622	623	623	623	622	621	620	621	623	623	624	621	626	623	623	622	621	627	626	629	623	628	662	665	672	671	673	671	671	677	672	672	671	671	669	671	671	671				
JMJG	U003	596	698	671	695	678	685	681	680	678	682	676	676	678	679	678	680	679	678	674	679	673	673	677	676	671	679	677	678	678	678	677	679	661	673	664	668	666	671	666	669	668	663	666	668	666	668	666	668	666			
JMJG	U004	967	904	903	902	854	854	854	855	854	854	854	853	854	856	854	806	807	807	805	832	881	902	900	935	948	900	901	951	952	951	951	950	952	952	951	950	952	949	950	952	951	951	952	950	953	952	952	952	952			
JMJG	U005	950	909	902	906	853	854	852	848	849	849	852	854	850	856	851	799	804	800	804	849	900	896	900	958	952	899	899	953	950	953	952	950	952	952	951	953	952	952	952	951	952	952	952	952	952	952	952	955	954	954		
PKLG	U003	284	282	283	285	284	283	232	156	153	155	154	154	156	155	155	155	220	284	284	284	282	285	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281		
PKLG	U004	280	281	281	280	280	280	226	148	147	147	147	148	148	148	147	148	150	211	281	281	282	281	281	281	280	278	280	280	280	280	280	277	280	278	279	279	279	279	279	279	279	279	280	283	282	282	281	281	281			
PKLG	U005	470	470	471	470	470	451	360	275	270	270	270	269	269	269	269	270	310	393	460	466	468	469	470	470	469	469	469	469	469	469	470	469	467	467	471	472	468	469	469	471	470	472	470	470	470	470	470	470	470	470		
PKLG	U006	471	468	472	470	469	470	469	470	472	470	470	471	471	471	470	473	471	468	468	468	468	469	474	470	469	470	469	467	470	470	471	469	470	467	469	469	470	468	469	472	472	470	470	470	470	470	470	470	470	470		
TBIN	U001	689	689	687	690	690	688	688	688	689	692	689	689	688	690	691	689	687	688	689	686	687	688	688	686	687	689	688	689	688	687	689	690	689	688	690	689	688	690	687	690	687	687	687	687	687	687	687	687	687	687		
TBIN	U002	690	691	691	693	690	691	691	690	691	691	685	692	691	691	692	692	690	690	692	692	690	690	690	694	691	691	691	690	689	693	691	687	692	690	689	691	688	688	690	689	691	690	689	687	686	686	689	687	687	687	687	
TBIN	U003	690	689	692	689	690	691	689	688	689	685	689	691	690	690	690	688	690	689	687	687	690	687	687	687	687	689	688	690	691	687	691	687	690	690	691	688	688	690	689	691	691	685	690	688	688	689	687	687	687	687		
TBIN	U004	969	901	902	901	852	854	852	855	850	852	850	851	804	801	801	804	851	876	903	900	937	955	905	904	949	952	946	950	953	952	954	952	954	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951		
Total ST-Coal		9020	8937	8922	8957	8774	8763	8554	8314	8310	8304	8298	8309	8312	8320	8316	8166	8166	8322	8546	8730	8900	8935	8948	9066	9079	8942	8938	9086	9095	9093	9195	9299	9338	9318	9407	9424	9471	9482	9501	9601	9642	9679	9672	9736	9826	9825	9835	9837				
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	0	0	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	0	0	0	0
CBPS	BLK2	366	365	365	358	367	368	363	370	367	369	365	368	365	365	359	217	366	364	364	364	363	364	365	358	351	362	359	366	363	365	358	362	363	364	362	364	300	316	361	354	360	360	350	355	355	350	354	351	351			
GLGR	GT01	103	104	40	67	70	68	70	67	67	69	68	68	67	68	71	69	68	70	69	104	103	104	103	102	77	66	67	103	105	103	103	104	105	77	68	68	68	69	67	77	104	103	100	72	80	68	69	69				
GLGR	GT02	104	104	104	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	106	103	104	104	104	77	68	68	103	104	105	104	104	74	68	68	68	68	68	76	103	104	98	71	79	68	69	69					
GLGR	ST1C	93	93	90	70	71	70	70	70	70	71	71	71	71	71	71	71	71	71	71	91	93	93	94	93	82	71	88	94	94	94	93	94	82	71	72	72	71	70	72	94	93	93	80	83	71	71	71					
KLPP	GT14	145	147	130	75	79	76	76	82	79	79	76	75	75	76	79	80	77	142	145	143	144	152	150	138	150	150	128	150	142	136	145	128	126	138	127	154	139	131	128	141	127	144	127	125	124	126	126					
KLPP	GT15	134	137	116	64	67	68	69	72	68	69	68	68	67	68	69	72	69	144	143	139	139	140	140	140	140	139	117	139	131	126	134	114	118	130	119	136	124	115	116	130	113	133	117	112	112	111	113	113				
KLPP	ST17	130	130	121	89	91	85	84	85	85	85	85	85	85	85	89	85	85	130	130	134	130	130	134	130	130	129	118	131	127	123	125	115	116	125	115	130	123	118	118	126	118	130	118	121	118	118	119	119				
NPRI	BLK2	526	526	526	526	525	526	525	527	525	525	525	525	525	527	526	524	317	397	529	533	534	532	532	530	534	533	528	523	522	524	526	524	521	524	524	523	521	519	520	523	525	532	532	533	533	532	533	532	530			
PCGP	PGRG	400	402	401	393	402	401	400	403	401	406	403	408	397	265	261	269	265	401	404	398	402	404	397	388	403	392	401	399	402	400	400	401	403	301	301	303	300	393	402	400	393	398	393	391	392	394	394					
PGLA	GT11	233	234	235	229	156	157	155	157	156	235	237	235	156	154	159	157	231	233	231	231	227	221	227	226	226	226	228	228	229	229	230	193	200	199	229	233	231	225	229	225	225	223	225	225	225	225	225	225				
PGLA	ST10	114	114	112	112	88	88	88	88	88	116	117	117	117	88	88	88	89	114	115	116	116	116	117	116	116	115	116	111	111	111	111	111	111	112	106	101	99	111	113	113	115	115	115	114	114	112	112					
PLPS	GT11	130	131	131	125	69	69	69	70	68	67	67	67	64	67	64	68	69	140	140	140	132	134	136	131	129	137	132	134	135	135	132	137	134	136	115	114	115	115	116	110	135	130	127	130	139	137	138	137				
PLPS																																																					

### 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																									
YPKA	GT21	130	130	130	130	65	65	65	65	65	65	65	65	65	65	128	127	127	126	125	126	128	126	126	125	126	126	126	127	125	123	63	63	62	63	63	92	127	126	128	128	63	63	62						
YPKA	ST20	61	61	61	61	39	38	38	38	38	38	38	38	38	38	37	37	59	58	59	59	60	59	61	62	61	61	62	62	62	61	61	38	38	38	38	38	37	37	46	60	60	61	61	38	37	62			
Total CCGT-Gas		5125	4968	4612	4266	4323	4116	4176	4207	4208	4296	4189	4070	4048	3877	3624	3444	3630	4204	4474	4880	5020	5141	5306	5258	5189	5321	5297	5309	5532	5443	5399	5490	5377	5395	5058	4897	4856	4785	4862	4883	5200	5285	5260	5067	4766	4565	4420	4225	
Total 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	
BSIA	HY02	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13		
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
HTRG	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39		
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY01	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
KNYR	HY02	60	68	66	58	61	61	61	61	61	59	59	59	59	59	60	62	58	57	61	59	99	100	99	95	57	57	58	102	98	98	68	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
PGAU	HY02	21	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	HY03	23	23	23	21	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	HY04	21	22	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	8	0	16	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		
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TMGR	HY01	32	32	32	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32			
TMGR	HY03	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
TMGR	HY04	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
UJLI	HY01	-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	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	7	7	7		
Total Hydro		261	240	231	220	186	186	186	246	246	244	265	243	243	245	249	244	242	250	268	462	573	522	504	379	356	362	470	620	659	492	426	393	370	279	277	277	277	276	274	230	229	245	303	300	292	296	298		
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	40	39	40	40	39	39	39	39	40	39	40	39	40	40	40	38	38	37	38	36	35	34	41	37	36	35	33	33	33	34	33	36	38	40	41	41	38	39	41	40	41	41	39	39	44	45			
PCUF	CUFK	39	39	41	39	40	39	39	40	39	41	39	41	39																																				

