

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,289 MW
Hydro	2,359 MW
Distillate	0 MW
Total TNB	5,648 MW
Total IPP	13,754 MW
Total Co-Gen	80 MW
Total System	19,764 MW

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	48	Total	0
GLGR	54		
PGPS	24		
SRDG	25		
TJGS	109		
Total TNB	260		

Alternate Fuel Usage

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	16,636 MW
TNB Generation	3,143 MW
IPP Generation	12,278 MW
Spinning Reserve	1,142 MW
Maximum Demand	15,407 MW
Net Energy	325,792 MWH
Load Factor	88.11 %

CBPS	56
KLPP	97
MPSS	50
NPRI	77
PDPS	24
PGLA	110
PKLG	12
PLPS	92
PTEK	40
SGRI	166
SKSP	29
Total IPP	753

Generation Mix

Type	MWh	Percentage
Gas	33,357	10.24 %
Hydro	23,630	7.25 %
Total TNB	56,987	17.49 %
ST-Coal	170,592	52.36 %
Gas	97,221	29.84 %
Total IPP	267,813	82.20 %
Co-Gen	1,825	0.56 %
Total Co-Gen	1,825	0.56 %
Total Generation	326,625	100.26 %
PLTG	104	0.03 %
HVDC	729	0.22 %
Interconnection	833	0.26 %
Net Energy	325,792	100.00 %

Fuel Cost

Total Cost:	51,753,592.55 RM
Cost per Unit	17.10 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	431
Hydro	315
Syncon	439
Thermal	199
Total	1,384

Total Gas 1,013

Total Gas Required 1,013

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

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	13136	12480	12071	11671	11497	11356	11575	11716	11834	13333	14163	14696	14708	14452	14653	15258	15407	15293	14101	13860	15027	14879	14358	14006

Daily MW Generation on Friday

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	614	688	696	688	684	692	694	695	691	691	695	689	694	694	693	694	693	694	693	694	693	695	694	695	694	695	699	693	693	696	692																			
JMAH	U002	694	688	698	696	697	693	696	692	693	695	695	692	703	693	694	693	694	693	692	691	693	694	695	694	694	694	689	691	696	698	703	695	694	695	699	693	693	696	692											
JMJG	U001	675	662	667	677	676	668	674	676	661	661	673	689	701	689	672	673	685	671	682	674	673	680	676	675	687	675	688	676	674	675	687	673	678	676	673	682	666	688	674	683	676	673	674	681	677	673	678	674		
JMJG	U002	677	675	676	673	675	675	677	673	677	672	672	675	676	673	674	674	675	673	674	675	679	673	676	674	675	672	677	676	673	674	674	676	673	676	675	673	674	675	678	677	675	674	673	668	675	676	677	677		
JMJG	U003	675	666	666	677	669	669	671	682	665	666	672	671	673	672	685	666	678	669	662	668	677	672	679	674	670	665	670	668	668	664	669	671	662	669	673	677	666	663	671	660	672	668	670	663	677	674	660	677		
JMJG	U004	881	811	796	748	749	750	749	748	702	705	701	701	697	703	701	700	702	755	753	851	906	929	953	952	950	952	952	951	956	954	953	953	952	956	952	956	952	952	953	952	954	952	950	952	953	954	954	955		
PKLG	U003	287	283	285	285	285	279	292	225	204	207	207	206	213	215	281	284	278	281	280	278	276	284	278	281	281	281	278	282	283	283	283	283	281	287	283	281	280	281	280	281	280	280	280	282	284	288	286	284	286	
PKLG	U004	281	279	283	281	279	279	277	275	279	279	279	279	277	275	275	275	275	277	279	277	275	277	279	277	275	271	199	203	203	203	203	203	202	202	202	203	203	201	202	202	201	201	199	201	202	201	204			
PKLG	U005	357	380	456	469	469	469	469	469	469	469	469	466	469	466	469	466	469	469	469	469	469	469	466	469	466	466	469	473	469	469	469	476	469	473	473	469	469	466	467	469	469	466	466	466	466					
TBIN	U001	688	689	693	690	689	689	690	689	690	691	689	689	689	686	689	689	689	689	690	688	689	689	689	688	685	690	688	689	691	690	690	689	693	688	689	687	689	685	683	693	689	688	686	687	690	689	689	691	690	689
TBIN	U002	690	691	695	692	697	692	693	694	692	694	693	691	694	691	694	693	690	691	692	690	695	690	691	689	691	690	693	690	691	691	691	690	690	692	690	691	689	691	692	694	695	695	689	692	686	689	693	691		
TBIN	U004	952	878	791	750	752	751	751	754	702	700	701	701	703	702	702	703	702	750	755	852	902	953	949	950	951	951	951	951	954	953	952	952	952	954	952	952	951	952	953	952	953	951	950	953	952	954	951	955	951	
Total ST-Coal		7471	7390	7402	7326	7321	7306	7333	7272	7125	7130	7146	7149	7188	7164	7229	7213	7232	7310	7153	7161	7288	7222	7230	7233	7145	7010	7012	6945	6958	6948	6967	6952	6945	6967	6952	6960	6929	6968	6957	6961	6952	6941	6946	6948	6962	6955	6954	6965		
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	
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
CBPS	GT1A	96	96	89	88	88	88	88	88	88	88	88	88	88	88	88	88	79	98	98	96	95	96	95	95	95	95	95	96	95	95	95	95	95	95	95	95	96	97	89	89	89	97	97	97	97	97	97	97		
CBPS	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	72	99	99	99	99	99	99	99	99	97	97	95	95	95	95	95	95	95	95	98	89	89	89	89	98	98	99	99	98	99	98	99	
CBPS	ST1C	48	46	41	40	40	40	41	41	41	41	41	41	41	41	40	41	44	36	103	103	102	102	104	101	103	101	100	99	99	99	98	99	98	98	99	100	92	92	93	101	101	102	102	102	102	101	102			
CBPS	BLK2	365	365	365	367	372	375	377	372	377	377	383	381	379	380	380	375	381	377	377	378	378	373	372	369	370	371	367	369	368	366	367	365	369	369	361	370	354	372	372	369	365	363	368	373	370	373	367	364		
GLGR	GT01	109	107	109	67	69	70	68	68	69	69	68	69	69	68	68	68	69	110	109	110	107	107	106	106	106	106	106	104	104	104	104	104	105	104	105	80	80	82	106	106	107	106	107	107	106	107	106	107		
GLGR	GT02	112	113	113	67	68	68	69	68	68	68	68	68	68	68	68	68	111	113	113	112	112	111	112	111	112	111	111	111	110	110	110	110	110	110	84	85	85	85	85	106	110	111	111	111	111	111	110	110		
GLGR	ST1C	102	100	100	76	71	72	71	71	70	71	71	71	71	71	71	71	93	99	100	101	101	101	100	101	100	100	100	100	100	100	99	99	99	100	100	100	100	83	83	83	100	100	100	100	100	100	100	100	100	
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	135	124	136	135	137	136	42	0	0	0	59	134	133	133	134	135	139	141	121	116	140	140	141	140	140	140	139	139	139	139			
KLPP	GT14	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	148	148	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140			
KLPP	GT15	119	113	119	115	118	117	118	119	84	79	79	79	79	118	110	116	116	117	120	150	154	152	158	157	154	150	150	152	151	155	155	154	154	154	154	154	155	137	132	155	155	156	156	154	154	154	151	155		
KLPP	ST17	125	119	120	119	119	124	124	120	99	95	92	92	95	120	112	120	124	132	186	199	203	202	202	202	183	126	137	135	129	149	200	201	201	200	200	202	204	192	192	200	204	204	204	204	209	204	204	204	204	
MPSS	GT01	104	104	97	86	89	88	91	88	92	91	91	93	91	86	90	92	88	106	99	100	100	103	102	101	102	101	101	103	103	104	103	104	104	104	105	85	83	84	102	103	103	103	104	104	105	106				
MPSS	ST02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	110	100	99	106	105	105	106	105	105	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	
MPSS	GT01	51	51	51	39	37	37	41	38	40	39	39	39	39	39	37	38	39	40	91	103	104	104	110	111	112	112	112	112	112	112	112	112	112	112	112	112	85	85	85	106	110	111	112	112	112	112	112	112		
NPRI	BLK1	517	379	160	144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
NPRI	BLK2	520	506	523	516	541	535	541	534	455	427	386	392	456	353	507	507	361	352	357	362	391	486	430	376	373	457	485	455	509	509	499	512	509	511	503	510	490	518	516	510	514	502	511	521	515	518	512	506		
PGLA	GT11	148	1																																																

Daily MW Generation on Friday

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	
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2A	223	223	221	221	206	187	187	188	219	220	197	199	209	192	187	187	196	190	188	190	213	216	218	215	215
TJGS	GT2B	221	221	217	217	202	183	182	183	214	214	192	195	204	186	181	184	189	185	185	186	208	218	215	215	213
TJGS	ST2C	262	262	262	262	259	237	239	236	252	246	243	248	251	238	238	238	238	236	244	246	241	263	263	263	263
Total CCGT-Gas		5029	4843	4471	4253	4139	4074	3717	3678	3767	3704	3578	3604	3749	3814	3907	3934	3994	4555	5133	5519	5613	5777	5880	5797	5680
PDP5	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDP5	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDP5	GT04	0	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	GT08	0	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	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	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 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
BSIA	HY02	11	11	11	11	11	11	12	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	9	10	10	9	9	9	10	10	10	10
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	10	10	10	10	10	10	10	10	10
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	66	65	65	65	65	65	102	102	66
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	65	65	65	64	65	65	65	101
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
KNRG	HY02	25	24	24	25	25	25	26	25	27	26	26	27	26	25	26	26	37	37	37	37	37	37	37	37	37
KNYR	HY01	105	104	104	105	105	106	105	106	107	107	107	106	105	105	104	104	104	104	104	104	104	104	104	104	104
KNYR	HY02	105	105	104	105	105	106	105	107	107	107	107	108	106	106	104	104	104	104	105	104	104	104	104	104	104
KNYR	HY03	106	105	104	106	105	107	106	108	107	107	107	108	106	105	105	105	104	104	104	105	104	104	104	103	103
KNYR	HY04	106	106	105	106	106	106	107	106	108	108	108	108	108	108	107	107	107	107	108	107	108	107	107	107	107
LPIA	HY01	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	8	8	10	10	9	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	81	113	114	82	113	80	115	115	115	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	113	114	80	110	81	81	117	114	
PGAU	HY04	113	20	21	21	21	21	21	21	21	0	0	0	0	0	0	113	113	113	113	130	79	110	113	113	
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
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
SIHY	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
SYPS	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
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
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
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
TMGR	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
TMGR	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
TMGR	HY04	33	30	27	33	33	32	38	33	42	42	42	42	43	44	36	35	39	39	39	38	37	35	36	38	39
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
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
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
Total Hydro		646	547	542	554	553	552	565	554	552	552	551	551	553	724	562	539	541	826	956	966	918	1106	1080	1213	1275

