

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,597 MW
Hydro	2,122 MW
Distillate	0 MW
Total TNB	4,719 MW
Total IPP	15,036 MW
Total Co-Gen	0 MW
Total System	20,327 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	8
GLGR	11
PGPS	41
SRDG	31
TJGS	213
Total TNB	303
CBPS	54
KLPP	107
MPSS	33
NPRI	163
PDPS	29
PGLA	113
PKLG	9
PLPS	5
PTEK	38
SGB3	3
SGRI	133
YPKA	55
Total IPP	742
Total Gas	1,046
Total Gas Required	1,046

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,925 MW
TNB Generation	3,410 MW
IPP Generation	14,335 MW
Spinning Reserve	1,144 MW
Maximum Demand	17,764 MW
Net Energy	367,312 MWH
Load Factor	86.16 %

Generation Mix

Type	MWh	Percentage
Gas	40,643	11.06 %
Hydro	17,954	4.89 %
Total TNB	58,597	15.95 %
ST-Coal	201,457	54.85 %
Gas	106,774	29.07 %
Total IPP	308,231	83.92 %
Co-Gen	925	0.25 %
Total Co-Gen	925	0.25 %
Total Generation	367,753	100.12 %
PLTG	-198	-0.05 %
HVDC	639	0.17 %
Interconnection	441	0.12 %
Net Energy	367,312	100.00 %

Fuel Cost

Total Cost:	62,224,622.49 RM
Cost per Unit	17.84 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	270
Hydro	516
Syncon	453
Thermal	153
Total	1,392

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

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	14291	13550	13003	12650	12353	12134	12539	12511	13148	15182	16192	16916	16881	16550	17124	17573	17660	17324	16158	15858	17111	17113	16679	16107

Daily MW Generation on Monday

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	U002	702	693	697	693	694	691	693	694	693	693	694	695	693	695	694	694	695	693	692	689	696	693	694	693	692	695	695	695	695	694	694	689	681	693																		
JMJG	U001	676	673	678	681	673	681	677	673	669	676	671	671	673	666	667	671	670	671	667	671	670	667	674	666	671	675	668	668	670	670	667	667	596	600	590	555	354	360	349	346	316	317	321	318	321	320	318	317				
JMJG	U002	634	638	640	640	647	630	651	640	639	643	639	643	639	642	633	643	641	646	639	651	637	643	642	635	649	640	640	645	642	643	636	650	633	633	639	642	666	645	635	645	640	641	651	637	649	640	641	668				
JMJG	U003	612	612	616	612	613	612	618	612	614	612	611	613	618	612	614	612	617	612	611	612	612	615	618	611	611	617	613	612	614	615	612	613	612	612	609	612	612	612	609	613	610	615	612	614	617	618	643	645				
JMJG	U004	505	569	655	744	804	800	798	776	779	777	777	777	778	778	777	777	818	857	933	978	980	979	979	980	980	979	978	979	980	980	981	979	980	982	979	977	981	980	980	982	981	979	980	981	979	981	980	989				
JMJG	U005	906	913	867	828	832	828	800	778	781	781	773	787	780	781	785	780	780	848	873	965	975	987	983	985	979	982	983	985	979	981	981	980	979	981	980	979	979	982	982	981	980	985	983	982	985	981	980	989				
PKLG	U003	280	283	287	282	284	282	283	282	285	264	205	206	205	218	280	281	281	281	281	280	279	281	280	282	280	281	283	281	282	281	281	282	281	281	281	281	281	281	281	282	283	282	283	283	283	281	283	284	279			
PKLG	U004	283	284	282	281	272	204	202	203	205	192	151	151	152	204	205	211	266	283	281	281	278	279	280	280	278	276	277	276	281	280	278	281	280	281	280	278	279	281	280	283	281	280	282	278	278	282	282	282				
PKLG	U005	464	466	466	426	355	303	312	273	268	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	U006	470	470	470	470	471	468	470	469	470	468	471	470	469	471	471	470	469	470	469	467	469	469	470	470	470	470	470	470	470	470	470	470	470	470	470	468	470	472	469	470	472	471	470	469	468	472	468	470	469	468		
TBIN	U001	686	688	692	690	689	690	690	497	603	693	691	689	688	689	689	689	687	689	689	690	688	688	689	689	687	688	687	688	688	689	686	688	686	686	686	686	687	689	689	691	689	688	689	690	690	689	689	691	688			
TBIN	U002	689	691	691	689	689	689	693	690	688	691	689	688	687	690	690	689	687	689	688	690	688	688	686	693	688	689	687	683	685	688	686	687	687	690	687	688	689	686	689	688	690	687	689	690	687	689	690	687	687	692	688	
TBIN	U003	691	688	690	689	689	689	688	691	689	688	689	690	691	687	690	691	691	688	689	688	689	688	691	689	689	690	690	688	690	690	688	691	689	689	688	692	688	688	689	687	689	688	689	690	689	688	689	687	687	687	687	
TBIN	U004	950	910	870	870	830	830	800	800	800	800	800	800	800	800	800	880	880	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	
Total ST-Coal		8548	8578	8601	8595	8542	8397	8375	8078	8183	8146	7859	7884	7872	7931	7996	8009	8059	8270	8318	8613	8639	8658	8666	8649	8660	8658	8650	8652	8654	8664	8645	8663	8571	8576	8564	8546	8355	8349	8330	8338	8304	8316	8324	8309	8324	8303	8335	8366				
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	361	361	365	365	358	361	365	356	293	299	301	326	359	352	362	363	363	360	375	362	363	362	363	363	362	367	361	361	363	362	363	357	358	347	350	360	359	362	362	362	361	363	362	355	357	360	362				
GLGR	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT02	0	0	0	0	0	0	0	0	35	37	40	41	40	43	45	45	45	45	55	80	99	110	110	110	110	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	31	38
GLGR	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	18	32	45	45	46	47	46	0	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	GT13	114	113	78	69	69	61	61	63	57	61	62	62	58	63	59	61	65	140	147	148	147	147	146	146	146	146	145	146	145	145	145	145	145	145	145	145	145	145	146	146	145	147	146	147	145	148	147	147	147			
KLPP	GT14	125	124	103	75	81	68	68	74	69	72	69	69	68	72	69	69	73	149	154	157	157	155	154	154	155	154	156	155	155	155	155	155	153	154	154	154	153	154	154	155	154	156	154	155	155	155	157	156	156			
KLPP	GT15	118	118	114	74	78	66	65	75	64	71	67	67	68	70	64	66	72	142	151	151	151	151	149	149	149	150	147	150	149	150	150	147	147	148	148	148	148	148	148	148	147	149	149	149	149	149	149	149	149			
KLPP	ST17	183	186	174	138	134	130	124	124	123	123	123	123	128	128	124	120	133	201	202	202	201	201	201	201	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202		
MPSS	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	0	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	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	83	81	80	84	80	94	96	103	105	103	104	94	104	108	103	102	103	105	65	67	69	102	101	104	105	105	105	105	106	106	106	106			
MPSS	ST01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	29	28	37	39	44	50	50	48	79	118	113	113	113	113	113	76	68	68	101	106	113	113	113	114	114	114	114	114	114	114			
NPRI	BLK1	525	527	527	528	527	527	530	529	529	527	530	528	529	530	528	528	526	526	533	532	527	525	525	525	520	520	520	521	521	520	520	518	520	523	524	526	523	524	526	527	527	530	528	527	529	527	529	527				
NPRI	BLK2	537	541	539	542	541	545	545	537	538	463	527	525	526	529	526	528	527	525	524	525	522	526	526	525	525	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526	526		
PCGP	PGRG	398	397	395	301	272	259	262	266	252	264	263	263	386	400	377	262	326	400	401	410	401	404	399																													

Daily MW Generation on Monday

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																											
SGRI	ST24	61	61	61	61	60	59	60	56	58	57	57	58	54	56	56	56	58	136	142	140	146	142	141	139	139	136	143	135	143	146	146	141	141	140	149	131	126	135	137	140	145	149	146	140	128	128	127				
TJGS	GT1A	217	197	197	207	222	221	211	232	184	144	182	230	197	234	178	209	229	226	223	228	224	224	221	224	223	223	223	222	223	224	224	222	221	221	208	208	219	222	222	222	222	223	222	223	223	222	220	223			
TJGS	GT1B	211	192	186	212	197	197	202	217	175	136	166	214	187	216	166	202	217	217	214	217	215	215	214	216	211	215	214	213	214	212	212	211	200	200	213	214	215	213	217	215	216	215	215	215	218	212	213	217			
TJGS	ST1C	239	242	225	233	233	232	240	247	218	171	207	239	246	238	214	219	250	251	248	252	249	249	250	250	250	251	252	251	251	251	252	252	247	237	250	250	250	250	250	250	250	250	249	245	249	248					
TJGS	GT2A	205	189	184	208	138	144	143	145	144	144	144	223	212	183	144	211	211	199	215	192	216	216	216	211	209	197	217	204	217	216	217	214	217	217	212	200	180	206	215	217	214	219	217	217	182	181	196				
TJGS	GT2B	210	193	188	211	142	148	149	149	149	149	149	228	218	187	148	216	217	203	220	192	221	220	220	216	214	201	221	211	222	221	222	219	221	222	218	201	185	212	220	219	218	220	221	222	187	185	200				
TJGS	ST2C	249	255	240	257	222	210	210	210	210	210	210	245	254	238	210	257	261	254	262	257	263	263	262	261	260	248	262	257	261	263	264	263	264	263	262	259	241	255	262	263	262	260	262	259	238	241	248				
YPKA	GT11	127	117	0	0	0	0	0	0	0	0	0	0	0	0	0	19	128	129	129	130	130	128	130	131	129	129	130	129	129	129	130	130	131	131	131	131	131	132	132	132	133	133	132	134	133	133	133	133			
YPKA	GT12	129	100	65	65	65	65	65	65	65	65	65	65	66	65	66	65	133	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132			
YPKA	ST10	126	69	36	35	35	35	35	35	35	35	34	34	35	35	34	33	127	130	131	131	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132			
Total CCGT-Gas		5164	4990	4627	4527	4248	4226	4080	4280	3995	3827	4017	4133	4506	4591	4377	4368	4860	5611	6068	6355	6457	6629	6616	6640	6615	6626	6596	6492	6472	6562	6652	6634	6616	6617	6526	6496	6209	6141	6260	6589	6628	6644	6655	6666	6550	6385	6400	6520			
GLGR	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PDPS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PDPS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PDPS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PDPS	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	0	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	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	59	613	553	494	489	494	464	823	914	921	1002	1103	1160	1145	797	665	632	634	846	865	833	803	868	777	734	370	56			
BSIA	HY01	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
BSIA	HY02	23	24	24	24	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
BSIA	HY03	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
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	10	10	10	
CEND	HY03	9	10	10	10	10	9	9	10	10	9	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	8	7	8	8	8	8	8	8	8	8	8	8	7	7	8	8	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	
HTRG	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	-1	-1	-1	
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	-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	0	0	0
KNRG	HY02	26	26	26	27	27	26	26	27	26	27	27	26	27	26</																																					

