

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,968 MW
Hydro	1,827 MW
Distillate	0 MW
Total TNB	7,865 MW
Total IPP	10,656 MW
Total Co-Gen	0 MW
Total System	18,803 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,754	14.43 %
Gas	52,302	15.48 %
Hydro	14,188	4.20 %
Total TNB	115,244	34.10 %
ST-Coal	96,302	28.50 %
Gas	123,916	36.67 %
Total IPP	220,218	65.17 %
Co-Gen	1,338	0.40 %
Total Co-Gen	1,338	0.40 %
Total Generation	336,800	99.67 %
PLTG	-409	-0.12 %
HVDC	-703	-0.21 %
Interconnection	-1,112	-0.33 %
Net Energy	337,912	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,249 MW
TNB Generation	6,085 MW
IPP Generation	10,120 MW
Spinning Reserve	989 MW
Maximum Demand	16,319 MW
Net Energy	337,912 MWH
Load Factor	86.28 %

Fuel Cost

Total Cost:	56,773,602.72 RM
Cost per Unit	17.60 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	499
Hydro	259
Syncon	305
Thermal	28
Total	1,091

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	27

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	13150	12544	12054	11669	11406	11540	11590	11467	12063	14002	15039	15636	15635	15295	15868	16195	16319	15787	14863	14495	15143	15510	15228	14903

Gas Usage

Station	(mmscfd)
CBPS	14
CBPS	26
GLGR	56
PAKA	63
PGPS	45
SRDG	45
TJGS	167
Total TNB	417
KLPP	115
MPSS	51
PDPS	44
PGLA	114
PKLG	12
PLPS	116
PTEK	30
SGB3	66
SGRI	210
SKSP	39
YPGS	67
YPKA	122
Total IPP	987
Total Gas	1,404
Total Gas Required	1,404

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	U001	693	699	701	697	697	702	698	700	698	698	697	698	695	696	697	697	698	697	698	696	697	699	699	699	695
JMAH	U002	700	698	699	691	698	698	698	699	700	695	699	703	705	702	704	703	702	700	702	704	702	702	702	703	704
JMJG	U001	677	677	675	679	685	673	679	677	676	676	682	677	680	683	679	672	685	696	679	694	700	684	694	683	665
JMJG	U002	677	671	667	684	682	672	674	676	675	673	678	674	673	677	676	671	686	694	672	694	698	677	689	679	660
JMJG	U003	677	673	677	674	682	675	674	673	659	668	671	671	671	666	677	686	674	689	696	672	683	674	652	667	677
PKLG	U003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	28	63	65	65	
PKLG	U004	252	252	252	252	252	250	252	250	250	252	252	252	252	252	252	252	252	250	250	250	250	250	250	252	
PKLG	U005	360	360	357	360	357	360	360	360	360	359	360	360	360	360	360	360	366	397	460	467	467	468	467	468	
PKLG	U006	467	467	470	464	467	469	467	467	467	467	467	470	470	471	467	467	467	469	466	466	469	472	469	466	
TBIN	U002	699	699	699	699	701	695	701	702	700	697	700	699	700	699	698	701	699	697	699	695	699	699	699	699	699
TBIN	U003	696	696	696	697	697	699	695	697	694	697	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696
Total ST-Coal		5898	5892	5893	5897	5918	5893	5898	5901	5879	5882	5902	5894	5901	5908	5907	5890	5949	5983	5993	6051	6078	6009	6048	6012	
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
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
CBPS	GT1A	0	0	0	0	0	0	0	0	0	5	8	8	37	37	37	38	37	37	28	38	37	32	28	48	
CBPS	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	
CBPS	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	19	29	36	41		
GLGR	GT01	109	108	109	109	109	77	67	68	69	67	69	69	89	109	109	105	107	106	106	105	105	104	104	104	
GLGR	GT02	109	109	109	109	108	75	69	68	68	68	68	68	91	109	109	106	108	108	107	107	106	106	106	106	
GLGR	ST1C	99	99	99	100	100	82	72	71	71	71	71	71	80	99	100	100	99	99	98	98	97	97	97	97	
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	21	32	32	32		
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	19	19	19	19		
KLPP	GT13	115	114	114	143	143	143	143	63	63	63	61	61	62	62	61	87	113	113	112	116	116	116	118		
KLPP	GT14	151	151	151	151	151	151	151	114	114	78	78	78	78	82	82	141	141	149	149	149	149	149	149		
KLPP	GT15	144	144	144	144	144	144	144	120	78	76	76	76	76	76	76	76	105	143	139	148	144	144	148		
KLPP	ST17	200	202	202	201	201	201	188	148	143	143	144	144	142	142	144	164	200	200	193	227	231	231	233		
MPSS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	80	107	105	105	103	101	101		
MPSS	GT02	0	41	75	81	93	109	109	108	108	108	109	109	109	109	86	110	109	107	107	106	106	106	106		
MPSS	ST01	0	0	0	0	33	52	34	54	54	54	54	54	54	58	44	115	116	116	115	115	113	113	113		
PAKA	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	62	61	60	60	61	60		
PAKA	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	28	30	30	30		
PAKA	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	60	60	65		
PAKA	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	60	59	59	68	63	64	64		
PAKA	ST2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	35	34		
PAKA	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	64	64	64		
PAKA	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	65	65	64		
PAKA	ST3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	34	35	35	34	34		
PGLA	GT11	232	231	231	227	227	227	228	193	193	192	193	193	152	154	177	231	230	230	228	225	224	226	218		
PGLA	GT12	230	232	230	226	227	226	227	192	192	192	192	192	152	155	177	229	229	228	225	225	226	221	226		
PGLA	ST10	252	252	251	251	246	246	245	218	219	219	218	218	219	201	195	200	251	250	251	250	250	250	250		
PGPS	GT3A	95	95	95	83	0	0	0	0	0	0	0	0	0	0	0	83	83	85	96	95	96	95	94		
PGPS	GT3B	96	94	95	84	83	83	83	83	83	83	84	83	83	82	82	83	84	83	83	83	83	83	83		
PGPS	ST3C	92	92	91	87	38	38	38	38	38	38	38	38	37	38	38	37	70	92	93	93	92	93	92		
SGB3	GT31	119	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT32	124	107	141	0	0	0	0	0	0	0	0	0	0	0	45	143	143	143	142	142	142	141	142		
SGB3	GT33	122	108	135	114	119	116	115	116	116	120	118	118	116	111	121	134	134	135	135	135	135	135	135		
SGB3	ST34	212	200	170	67	67	67	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	

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
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
KNRG	HY02	39	39	39	39	38	39	39	39	38	38	38	38	38	37	37	24	24	25	23	24	24	24	24	25
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	23	23	22	23	37	37	22	23	22	22	22	0	0	0
KNYR	HY01	97	97	68	60	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	97	97	97	97	97	97	97	97	97	97
KNYR	HY02	99	97	100	71	89	62	61	61	62	63	82	-1	-1	-1	-1	92	100	100	100	100	91	61	59	58
KNYR	HY03	98	98	90	0	0	0	0	0	0	0	0	0	0	0	0	100	99	98	98	98	98	98	98	99
KNYR	HY04	97	95	-1	-1	-1	-1	-1	-1	-1	62	62	64	62	56	65	100	98	98	98	98	98	98	99	0
LPJA	HY02	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	5	5	6	7	7	4	3
PGAU	HY01	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	20	-1	-1	-1	-1	20	20	-1	-1	-1	-1	-1	-1	111	84	22	22	-1	112	111	-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
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
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
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
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
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
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
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	83	65	70	62	55	58	65	66
TMGR	HY02	33	31	34	34	36	35	35	35	34	35	36	34	35	37	35	29	36	90	85	83	82	70	71	63
TMGR	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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	80	85	85	85	85	85	85	85
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2
Total Hydro		541	536	388	262	220	192	189	212	213	216	235	191	193	197	191	179	196	495	811	900	913	1119	1185	1278
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
PCUF	CUFG	31	31	32	31	31	31	31	32	32	32	33	33	34	33	32	33	32	31	29	30	30	30	31	31
PCUF	CUFK	28	26	26	26	28	26	27	27	24	27	28	26	25	25	27	25	27	24	25	26	24	25	23	23
Total Co-Gen		59	57	58	57	59	57	58	59	56	59	60	58	57	57	58	60	59	60	56	58	58	55	54	53
Total Gen		13097	12855	12523	12157	11994	11777	11638	11820	11341	11435	11465	11271	11526	11516	11437	11414	12063	13050	13945	14547	14983	15353	15573	15747
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
TIE-HVDC		-30	-29	-29	-29	-29	-28	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-23	26	8	-37	-31	0	-3	-35	-35	-39	-45	-22	-34	-16	0	9	29	-37	-28	-5	-26	4	-34	
Interconnection		-53	-3	-21	-66	-60	-29	-31	-64	-65	-68	-75	-52	-64	-45	-30	-20	0	-66	-57	-34	-56	-25	-63	
System Total		13150	12858	12544	12223	12054	11806	11669	11884	11406	11503	11540	11323	11590	11561	11467	11434	12063	13116	14002	14581	15039	15378	15636	15820
SRev ST-Coal		44	50	49	45	24	49	44	41	63	60	40	43	41	34	35	52	-5	1	37	-4	-31	38	-1	
SRev OCGT-Gas		95	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	137	5	15	119	23	
SRev CCGT-Gas		190	292	257	391	445	489	631	776	931	846	856	1081	1053	1160	1233	1464	1059	1034	620	433	285	395	568	
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
SRev Co-Gen		-15	-13	-14	-13	-15	-13	-14	-15	-12	-15	-16	-14	-13	-13	-14	-16	-15	-16	-12	-14	-14	-11	-10	
Syncon		625	474	726	726	827	827	827	676	676	676	676	827	827	827	827	827	827	676	237	151	151	151	453	
Hydro		211	217	113	139	80	108	111	239	238	235	216	109	107	103	109	121	104	46	169	314	351	495	127	
S.Reserve Total		1150	1085	1131	1288	1361	1460	1599	1717	1896	1802	1772	2051	2015	2111	2190	2448	1970	1741	1336	1017	747	1083	1056	991