

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,979 MW
Hydro	1,740 MW
Distillate	0 MW
Total TNB	8,799 MW
Total IPP	9,514 MW
Total Co-Gen	0 MW
Total System	18,313 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,722	20.58 %
Gas	74,904	22.43 %
Hydro	14,332	4.29 %
Total TNB	157,958	47.31 %
ST-Coal	75,221	22.53 %
ST-Gas	4,408	1.32 %
Gas	94,174	28.20 %
Total IPP	173,803	52.05 %
Co-Gen	1,458	0.44 %
Total Co-Gen	1,458	0.44 %
Total Generation	333,219	99.80 %
PLTG	26	0.01 %
HVDC	-701	-0.21 %
Interconnection	-675	-0.20 %
Net Energy	333,894	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:	15:00 Hour
Total Set On Bus	17,400 MW
TNB Generation	7,648 MW
IPP Generation	8,493 MW
Spinning Reserve	1,199 MW
Maximum Demand	16,212 MW
Net Energy	333,894 MWH
Load Factor	85.81 %

Fuel Cost

Total Cost:	51,927,074.91 RM
Cost per Unit	16.28 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	514
Hydro	290
Syncon	453
Thermal	98
Total	1,355

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	34
CBPS	46
GLGR	56
PAKA	153
PGGS	6
PGPS	43
SRDG	33
TJGS	219
Total TNB	591

KLPP	49
MPSS	50
PDPS	40
PGLA	79
PKLG	23
PLPS	102
PTEK	35
SGB3	93
SGRI	154
SKSP	56
YPKA	96
PKLG	44
Total IPP	823
Total Gas	1,414

Total Gas Required 1,414

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	12922	12262	11831	11474	11244	11359	11428	11430	12197	13967	14833	15689	15590	15396	15866	16212	16212	15650	14603	14604	15086	14896	14457	13945

Daily MW Generation on Tuesday

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	702	703	700	701	700	702	701	701	702	705	702	701	702	705	703	701	700	701	701	698	697	696	698	698	696	700	699	700	700	701	699	701	703	706	703	701	701	703													
JMAH	U002	705	702	699	701	703	703	703	704	702	702	703	702	702	703	703	703	702	702	699	703	705	702	702	702	705	705	705	704	703	704	702	702	703	702	705	706	704	701	702												
JMJG	U001	683	682	677	679	681	646	644	645	673	682	681	690	678	677	679	681	690	683	688	683	694	693	687	690	672	685	689	679	694	692	682	688	687	675	676	677	675	679	675	678	671	677	674	670	668	690	668	666			
JMJG	U002	682	682	677	678	683	681	683	677	678	679	679	687	678	683	676	678	685	685	682	677	689	690	692	689	675	679	690	682	695	693	687	688	687	676	678	679	678	678	683	680	677	676	679	670	668	690	677	668			
JMJG	U003	669	672	671	669	671	671	667	675	664	669	669	677	669	677	668	668	678	671	673	672	679	679	680	679	664	669	678	673	688	677	673	678	678	667	668	648	642	635	678	673	592	670	667	661	657	676	677	661			
JMJG	U004	857	859	825	791	791	790	791	791	791	788	791	790	791	792	791	792	791	791	859	859	860	858	858	858	858	858	859	856	858	859	858	858	859	859	859	860	859	859	856	857	859	858	859	859	857	857	856	859			
PKLG	U003	277	280	283	281	280	279	276	274	279	281	287	278	279	280	280	280	278	281	277	281	279	279	281	275	281	281	279	281	281	283	283	277	281	283	282	281	281	281	285	281	275	281	283	285	283	283	279				
PKLG	U004	265	265	265	263	263	261	261	263	263	263	263	263	263	264	264	263	263	261	261	261	260	261	261	261	261	263	263	263	263	263	263	265	263	263	265	265	263	263	265	263	263	257	261	261	263	265	267				
PKLG	U006	468	472	468	472	468	470	468	468	468	472	468	468	468	468	465	468	465	468	468	468	468	468	472	470	468	467	468	468	472	468	465	471	468	470	470	467	467	467	472	465	468	465	468	468	467	470	467	467			
TBIN	U001	695	698	696	700	694	697	701	698	699	700	698	695	703	697	698	697	696	696	696	698	697	696	697	696	695	711	698	694	701	693	695	698	693	704	699	698	696	694	699	703	696	696	699	697	688	696	696	696			
TBIN	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	0		
Total ST-Coal		6003	6015	5961	5935	5934	5902	5895	5894	5919	5937	5945	5951	5935	5940	5923	5932	5947	5947	5943	6002	6031	6030	6034	6025	5977	6015	6024	6000	6053	6024	6007	5978	5966	5962	6015	5999	5997	5978	5966	6013	6008	5908	6030	6033	6024	6149	6221	6231	6258		
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	
PKLG	U001	271	272	272	272	218	145	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143			
Total ST-Gas		271	272	272	272	218	145	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143			
CBPS	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		
CBPS	GT1B	87	87	87	87	88	87	87	88	87	87	87	87	87	88	84	90	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
CBPS	ST1C	41	40	40	40	40	40	40	39	40	40	40	40	40	40	45	41	39	92	101	100	99	99	101	100	99	98	97	98	98	98	98	99	98	99	101	100	101	102	102	103	102	103	100	101	101	101	101	101	101		
GLGR	GT01	110	110	110	110	68	71	72	69	70	70	72	70	71	68	70	70	71	109	109	109	108	108	107	107	107	107	106	106	108	107	106	107	106	107	108	108	107	108	108	109	109	109	109	109	109	109	109	109	109	109	
GLGR	GT02	110	110	110	111	70	70	70	70	70	70	70	69	70	70	70	112	110	111	111	110	110	110	110	109	109	109	109	109	109	110	110	110	109	109	110	110	110	110	109	109	110	109	110	110	111	111	111	111	111	111	
GLGR	ST1C	100	99	100	100	79	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73			
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	130	131	130	131	132	130	126	114	112	113	113	113	113	114	114	131	129	128	127	128	128	127	134	136	131	131	130	131	131	132	130	114	114	114	114	114	113	124	128	128	129	130	130	129	130	129	130	129	130	129	
KLPP	ST17	55	55	56	56	56	56	52	53	54	54	53	52	54	54	51	57	52	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
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	103	103	90	90	89	93	93	92	88	92	91	89	92	91	88	90	91	91	106	105	105	103	103	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
MPSS	ST01	49	49	41	41	40	41	38	39	39	40	38	40	41	40	37	38	42	39	106	113	113	113	112	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	
PAKA	GT1A	85	86	66	66	65	66	66	65	65	66	67	64	65	65	65	66	86	86	83	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
PAKA	GT1B	87	87	65	64	64	65	65	65	65	65	65	65	65	65	65	66	88	87	86	85	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
PAKA	GT2A	86	86	65	64	64	65	65	65	65	65	65	65	65	65	65	65	85	84	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
PAKA	GT2B	83	83	64	63	63	64	64	63</																																											

Daily MW Generation on Tuesday

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
KNRG	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
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
KNYR	HY01	61	61	59	60	60	60	60	60	59	72	61	96	60	70	81	65	91	72	84	92	94	76	62	62
KNYR	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
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
KNYR	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
LPLA	HY01	10	10	9	9	9	10	10	10	9	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10
LPLA	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
MNOR	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
PGAU	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
PGAU	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
PGAU	HY03	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
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
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
TMGR	HY02	40	33	30	33	33	35	34	34	31	35	32	45	41	52	48	32	34	32	32	64	63	65	65	65
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	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPLA	HY01	5	5	5	5	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPLA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		207	198	217	197	197	200	198	220	215	199	194	222	206	253	210	231	316	422	449	589	653	954	1043	1049
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	CUPG	35	35	34	34	34	35	33	33	35	34	34	35	35	35	34	35	35	33	33	33	32	33	32	32
PCUF	CUPK	29	32	29	29	30	30	32	30	31	30	32	29	29	30	29	31	31	30	30	30	31	29	30	30
Total Co-Gen		64	67	63	63	64	65	63	66	65	66	63	64	65	64	64	65	66	65	63	63	64	62	62	62
Total Gen		12860	12558	12214	12073	11816	11718	11397	11383	11255	11365	11286	11369	11470	11712	11472	11621	12138	13090	13892	14516	14779	15246	15651	15709
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		-29	-31	-29	-29	-29	-30	-30	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-33	-64	-19	-37	15	-30	47	4	40	-20	-45	44	71	42	71	-3	-30	-9	-46	-33	-25	-42	-9	-2
Interconnection		-62	-95	-48	-66	-15	-60	-77	-25	11	-49	-73	16	42	13	42	-32	-59	-38	-75	-62	-54	-71	-38	-31
System Total		12922	12652	12262	12139	11831	11778	11474	11408	11244	11414	11359	11353	11428	11699	11430	11653	12197	13128	13967	14578	14835	15317	15689	15740
SRev ST-Coal		37	25	79	105	106	138	137	138	113	133	127	121	137	132	149	140	125	125	129	139	109	111	105	114
SRev 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
SRev CCGT-Gas		400	486	642	515	718	715	1025	1058	1209	1100	1183	1131	999	810	989	1084	1314	954	366	319	264	281	245	315
SRev ST-Gas		-1	-2	-2	-2	40	35	35	37	37	37	37	37	37	37	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
SRev Co-Gen		-20	-23	-19	-19	-20	-21	-21	-19	-22	-21	-22	-19	-20	-21	-20	-21	-22	-21	-19	-19	-20	-18	-18	-19
Syncon		827	827	676	827	827	827	676	676	827	827	827	827	827	827	676	827	625	625	625	625	539	388	237	388
Hydro		98	107	239	108	108	105	107	236	241	106	111	83	99	52	95	225	89	185	160	318	254	202	269	414
S.Reserve Total		1341	1420	1615	1534	1779	1799	2110	2126	2254	2182	2263	2180	2079	1837	2037	2102	2331	1864	1256	1496	1337	1257	1081	1023