

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,466 MW
Hydro	2,001 MW
Distillate	0 MW
Total TNB	9,537 MW
Total IPP	10,617 MW
Total Co-Gen	11 MW
Total System	20,729 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
CBPS	50
GLGR	53
NPRI	143
PGPS	41
SRDG	19
TJGS	214
Total TNB	521
KLPP	96
MPSS	43
PGLA	110
PKLG	10
PLPS	89
SGRI	155
SKSP	30
Total IPP	533
Total Gas	1,054

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	17,839 MW
TNB Generation	6,836 MW
IPP Generation	9,546 MW
Spinning Reserve	1,434 MW
Maximum Demand	16,381 MW
Net Energy	336,316 MWH
Load Factor	85.55 %

Generation Mix

Type	MWh	Percentage
ST-Coal	48,462	14.41 %
Gas	73,243	21.78 %
Hydro	11,520	3.43 %
Total TNB	133,225	39.61 %
ST-Coal	133,856	39.80 %
Gas	68,136	20.26 %
Total IPP	201,992	60.06 %
Co-Gen	610	0.18 %
Total Co-Gen	610	0.18 %
Total Generation	335,827	99.85 %
PLTG	-667	-0.20 %
EGAT	-8	0.00 %
HVDC	186	0.06 %
Interconnection	-489	-0.15 %
Net Energy	336,316	100.00 %

Fuel Cost

Total Cost:	43,666,657.55 RM
Cost per Unit	13.46 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	412
Hydro	389
Syncon	548
Thermal	75
Total	1,424

Time Weather Temperature

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	13051	12456	12218	11634	11418	11124	11299	11511	12037	13746	14842	15497	15607	15253	15889	16197	16364	15979	14771	14254	15374	15366	14910	14742

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	697	697	700	700	681	688	693	697	672	671	674	671	672	705	695	699	696	696	693	680	678	681	681	677	680	692	696	700	702	678	701	700	713	691	703	702	701	703	701	699	702	702	701	703								
JMAH	U002	706	702	701	706	703	702	702	706	706	673	670	673	674	700	701	706	700	707	705	682	684	682	683	682	686	681	682	685	697	705	704	700	672	706	701	703	705	704	704	701	705	703	701	701	702	701	703						
JMIG	U001	678	678	676	682	679	680	680	543	674	677	669	673	679	679	680	681	673	679	679	680	678	677	681	677	680	679	678	679	678	678	678	679	683	679	677	678	678	679	672	679	678	678	683	678	678	676	676	603					
JMIG	U002	677	679	681	680	673	679	680	680	676	677	679	679	682	673	682	677	683	678	678	677	679	645	542	544	541	585	676	679	679	678	680	679	677	680	677	678	677	674	682	698	678	681	676	683	676	672	672	662					
JMIG	U003	678	677	677	677	682	673	678	677	678	679	677	674	677	677	679	672	680	667	679	674	679	676	673	677	683	675	676	675	677	674	678	678	679	677	678	675	672	677	678	691	674	673	675	679	676	677	667	667					
PKLG	U003	281	283	281	281	285	285	283	283	283	287	284	281	281	281	285	281	285	283	285	283	285	281	281	285	279	281	281	281	283	279	281	283	281	283	279	283	279	283	283	284	282	284	282	282	282	281	281						
PKLG	U004	263	259	263	262	264	264	261	263	255	261	258	261	258	262	262	263	261	261	260	263	261	260	261	261	260	259	259	257	261	259	257	257	261	259	257	257	261	259	259	261	259	259	259	261	263	261	261						
PKLG	U005	465	469	465	469	465	469	469	468	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465							
PKLG	U006	457	466	463	463	476	468	469	472	472	479	467	471	467	476	469	468	471	464	467	467	461	467	467	464	464	464	464	465	464	464	465	464	465	464	466	466	466	466	466	466	466	466	466	466	466	466	466						
TBIN	U001	696	695	700	694	699	698	697	697	702	668	669	669	669	667	700	696	700	696	700	697	676	678	680	681	678	679	680	681	678	696	698	696	701	679	699	693	698	700	695	699	695	698	699	696	695	701	699	700					
TBIN	U002	698	696	696	699	700	697	697	702	701	672	669	670	671	673	697	698	701	697	698	699	679	679	681	680	682	664	679	681	678	695	698	697	698	680	699	694	700	695	699	696	696	697	697	695	695	700	697	696					
TBIN	U003	700	698	700	705	701	511	706	703	704	668	668	672	669	672	701	703	707	701	702	703	684	682	681	681	681	680	676	680	682	702	703	701	700	682	702	701	700	696	700	698	698	700	702	700	697	698	687	693					
TBIN	U004	711	712	711	714	712	710	712	711	713	711	712	712	714	711	712	712	713	469	468	799	995	790	508	508	506	508	505	504	506	505	507	775	896	903	606	593	625	0	440	529	651	712	697	651	634	663	648	652					
Total ST-Coal		7703	7711	7711	7732	7739	7517	7722	7599	7729	7589	7558	7574	7576	7582	7736	7711	7752	7450	7488	7804	7903	7663	7275	7304	7284	7311	7404	7405	7415	7487	7519	7783	7910	7809	7616	7580	7642	6979	7460	7605	7646	7722	7717	7667	7626	7682	7618	7626					
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	0	0	0	0	0	0	0	0	0	0	8	8	27	28	32	33	38	38	38	38	58	72	87	8	8	58	67	86	86	95	88	87	87	86	87	89	89	93	95	97	97	97	98	97	97	97	98	98					
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	0	8	57	92	88	86	86	87	86	86	88	90	93	93	93	93	93	93	93	93	93	93	93	94	94	93			
CBPS	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	15	23	38	0	0	0	20	41	38	96	91	89	88	88	88	91	93	94	98	100	100	101	102	102	101	101	102	101
CBPS	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT01	89	66	69	67	68	70	69	70	68	70	68	69	69	70	68	68	70	93	108	106	107	108	107	108	107	106	105	104	105	101	102	102	98	100	97	103	104	103	105	106	105	106	107	108	106	106	107	107	107				
GLGR	GT02	89	68	68	68	68	68	68	67	68	67	68	69	68	68	69	68	69	92	108	108	108	108	108	107	107	106	105	104	104	103	101	99	101	98	104	104	104	105	105	105	107	106	106	107	106	107	107	107	107				
GLGR	ST1C	90	71	71	71	71	70	70	71	71	70	70	70	70	70	70	80	96	96	96	97	97	98	98	97	97	96	96	95	95	94	90	92	90	95	96	95	97	96	97	97	98	98	97	96	97	97	97						
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				
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				
KLPP	GT13	115	104	104	70	71	74	69	70	68	72	66	71	72	80	70	67	73	91	97	105	106	125	138	137	138	138	137	136	138	138	137	138	137	136	136	136	136	103	103	113	136	136	137	138	140	137	139	110					
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT15	126	114	80	78	78	82	78	82	78	77	74	78	82	86	81	76	80	104	109	117	118	134	150	150	151	151	151	151	151	151	151	151	151	150	150	146	146	149	151	150	116	112	125	146	151	150	150	151	152	125			
KLPP	ST17	130	120	116	101	96	96	95	92	92	92	92	92	92	101	88	96	101	112	189	193	193	222	228	228	227	227	227	226	226	227	227	225	225	224	224	224	187	184	184	203	200	201	201	200	200	192							
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					
MPSS	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				
MPSS	ST01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	BLK1	537	541	442	301	298	299	300	298	298	299	299	301	2																																								

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																										
TMGR	HY03	32	26	25	32	31	31	29	29	26	29	27	24	29	39	27	28	31	26	32	36	36	36	38	38	38	37	35	37	37	35	33	33	33	31	29	30	27	77	33	42	37	37	36	35	29	27	25	24		
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Total Hydro		393	179	175	216	210	219	181	200	177	190	179	194	201	261	183	178	227	338	227	360	394	653	943	987	946	903	841	855	865	942	936	950	926	1023	822	423	260	905	397	400	486	484	412	327	277	273	320	318		
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	0	0
PCUF	CUFG	7	7	8	7	7	7	7	8	9	8	7	7	8	8	7	7	8	8	7	7	7	7	6	6	5	6	6	6	5	5	4	6	6	5	6	6	6	6	7	6	7	6	6	7	6	6	5	5	6	
PCUF	CUFK	19	18	19	18	19	18	19	20	19	19	18	20	19	18	19	19	20	17	19	20	20	18	19	18	19	18	19	18	19	18	19	20	18	18	17	18	19	19	19	19	19	20	20	17	17	19	20	26		
Total Co-Gen		26	25	27	25	26	25	26	28	28	27	25	27	27	26	26	28	25	26	27	27	25	25	24	24	25	24	25	23	24	22	25	26	23	24	23	24	26	25	26	25	26	27	23	23	24	25	32			
Total Gen		13038	12676	12305	12154	12157	11817	11657	11548	11407	11235	11150	11210	11288	11492	11565	11563	11964	13160	13731	14375	14845	15250	15448	15627	15574	15342	15262	15549	15846	16182	16170	16300	16342	16405	15998	15357	14768	14318	14248	14873	15352	15377	15312	15246	14896	14904	14775	14340		
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	0	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	-29	-29	31	30	30	31	31	30	30	31	31	31	31	31	30	30	30	30	30	30	30	0	-29	0	0	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-PLTG		17	-37	-122	-17	-91	-144	-8	-100	-41	-27	-5	-46	-42	-113	24	37	-103	56	-45	55	-27	-47	-49	-112	-33	-37	9	-6	-43	-22	-28	-51	-22	24	19	-14	-3	-1	-6	-92	-53	-28	-25	-14	16	9	62	-12		
Interconnection		-13	-66	-151	14	-61	-113	23	-69	-11	3	26	-15	-11	-81	54	68	-73	86	-15	85	3	-17	-49	-141	-33	-37	9	-6	-43	-22	-27	-50	-22	24	19	-14	-3	-1	-6	-62	-22	-5	-54	-44	-14	-20	33	-42		
System Total		13051	12742	12456	12140	12218	11930	11634	11617	11418	11232	11124	11225	11299	11573	11511	11495	12037	13074	13746	14290	14842	15267	15497	15768	15607	15379	15253	15555	15889	16204	16197	16350	16364	16381	15979	15371	14771	14319	14254	14935	15374	15382	15366	15290	14910	14924	14742	14382		
SRev ST-Coal		54	46	46	25	18	121	35	80	28	168	199	183	181	175	21	46	5	87	49	33	134	134	142	113	133	136	133	152	142	70	38	54	27	128	51	87	45	58	27	-18	41	35	20	20	61	5	69	61		
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	5	11	3	37	38	36	52	45	47	46	45	44	45	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		500	655	1024	1235	1234	1360	1688	1695	1943	1987	2028	2098	2029	1890	2112	2187	2113	934	1023	924	687	299	277	214	338	471	580	421	317	198	232	384	447	418	431	529	732	1048	1090	614	241	291	280	114	373	418	388	564		
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	0	0	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	-14	-16	-14	-15	-14	-15	-17	-17	-16	-14	-16	-16	-15	-15	-15	-17	-14	-15	-16	-16	-14	-14	-13	-13	-14	-13	-14	-12	-13	-11	-14	-15	-12	-13	-12	-13	-15	-14	-15	-14	-15	-16	-12	-12	-13	-14	-21		
Syncon		953	953	953	953	953	953	953	953	953	953	802	953	802	953	953	953	651	651	565	565	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414		
Hydro		119	133	137	96	102	93	131	112	135	122	133	269	111	202	129	134	85	276	387	433	549	641	376	332	373	416	478	464	454	384	390	376	500	770	643	451	332	126	296	192	156	158	230	79	129	133	156	138		
S.Reserve Total		1611	1773	2144	2295	2292	2513	2792	2823	3042	3214	3299	3336	3258	3054	3200	3305	3139	1934	2095	1939	1919	1474	1200	1071	1248	1460	1630	1473	1367	1098	1110	1260	1418	1434	1470	1923	1970	1652	2172	1647	1298	1343	1388	1161	1511	1496	1532	1695		