

Availability at Daily Maximum Demand Hour

ST-Coal	2,520 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,354 MW
Hydro	1,708 MW
Distillate	0 MW
Total TNB	8,582 MW
Total IPP	9,562 MW
Total Co-Gen	0 MW
Total System	18,429 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,160	16.20 %
Gas	58,047	19.53 %
Hydro	8,572	2.88 %
Total TNB	114,779	38.62 %
ST-Coal	82,559	27.78 %
Gas	98,435	33.12 %
Total IPP	180,994	60.89 %
Co-Gen	1,653	0.56 %
Total Co-Gen	1,653	0.56 %
Total Generation	297,426	100.06 %

PLTG	-502	-0.17 %
EGAT	-33	-0.01 %
HVDC	726	0.24 %
Interconnection	191	0.06 %
Net Energy	297,235	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:	20:30:00 Hour
Total Set On Bus	15,828 MW
TNB Generation	6,275 MW
IPP Generation	7,961 MW
Spinning Reserve	1,539 MW
Maximum Demand	14,265 MW
Net Energy	297,235 MWH
Load Factor	86.82 %

Fuel Cost

Total Cost:	43,156,437.54 RM
Cost per Unit	14.94 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	379
Hydro	229
Syncon	542
Thermal	53
Total	1,203

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	8
GLGR	55
PAKA	64
PGPS	41
SRDG	55
TJGS	223
Total TNB	446
KLPP	104
MPSS	52
PDPS	7
PGLA	115
PKLG	13
PLPS	93
PTEK	7
SGB3	76
SGRI	213
SKSP	53
YPKA	34
Total IPP	766
Total Gas	1,213
Total Gas Required	1,213

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	11994	11436	10900	10576	10444	10213	10359	10371	10370	11681	12459	13175	13333	13241	13602	13612	13649	13419	12965	13164	14201	14233	13839	13429

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	705	706	702	653	654	653	653	588	604	603	603	603	603	603	634	703	704	704	703	701	704	706	703	701	702	705	702	702	703	702	703	702	703	702	702	701	704	704	702													
JMIG	U001	677	673	682	640	651	650	645	648	652	593	590	593	597	600	624	626	629	632	677	712	699	669	675	683	685	671	677	671	702	679	678	679	673	669	679	671	672	671	678	686	675	675	673	678	669	673	677	674				
JMIG	U002	679	679	679	643	645	645	644	645	599	593	592	601	598	629	626	623	623	667	713	699	703	688	697	684	678	678	671	707	682	681	685	678	680	685	682	678	679	677	686	678	677	680	675	690	679	678	678					
JMIG	U003	672	683	672	637	645	640	640	641	638	593	586	593	597	593	632	626	618	629	678	672	677	674	679	674	674	674	676	674	672	673	674	674	668	673	673	671	672	660	660	667	668	672	667	669	657	658	634					
JMIG	U004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	177	0	0	306	331	418	0	0	0					
PKLG	U004	279	279	279	281	281	281	277	279	283	278	279	283	281	279	279	279	279	279	277	277	277	275	277	278	277	277	277	279	277	275	274	273	273	275	273	275	274	274	276	276	278	278	280	278	280	280	280					
PKLG	U006	466	466	469	466	466	466	466	469	469	466	469	469	466	469	466	469	466	469	466	469	466	469	466	469	466	469	466	469	466	469	466	466	466	466	466	466	466	469	466	466	469	466	469	466	469	466	469					
TBIN	U001	699	694	696	647	649	649	649	597	598	596	599	600	599	597	600	599	629	699	697	696	696	693	697	695	697	694	697	696	698	697	693	696	695	696	698	698	698	698	698	698	698	698	698	698	698	698	698	698				
TBIN	U002	698	695	698	649	652	653	651	657	602	601	603	603	601	600	603	601	604	633	702	696	699	699	697	699	706	698	696	697	693	698	698	697	698	698	696	700	696	697	699	698	696	697	696	696	693	700	696	697				
TBIN	U003	694	698	695	652	650	655	652	652	602	601	602	601	600	599	603	600	603	631	696	700	697	697	696	697	690	699	696	697	693	695	696	694	699	693	698	696	694	697	695	696	697	691	697	695	696	695	697	696				
Total ST-Coal		5569	5573	5572	5268	5293	5295	5277	5293	5075	4936	4918	4936	4949	4935	5039	5030	5027	5159	5570	5643	5615	5591	5576	5593	5582	5566	5560	5560	5614	5565	5576	5570	5567	5546	5572	5558	5568	5556	5726	5572	5552	5856	5890	5973	5555	5551	5553	5524				
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	33	32	33	33	32	33	43	67	96	94	94	94	96	98	98	98	98	98	98	99				
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	0	0	0	0	0	0	0	0	0	0	0	0	7	13	44	45	44	44	46	47	47	47	47	47	47			
GLGR	GT01	110	110	110	77	70	71	71	70	71	69	69	70	69	69	70	69	109	110	110	108	110	109	109	108	109	108	107	107	108	106	108	108	107	108	108	109	109	109	109	110	110	109	110	110	110	110	110	110				
GLGR	GT02	108	108	108	74	69	69	69	69	69	69	69	69	68	68	70	69	109	108	108	108	108	107	107	107	107	108	107	103	103	103	103	103	103	103	108	107	107	107	106	107	107	107	107	107	107	107	107	107				
GLGR	ST1C	99	98	98	83	71	71	71	71	71	71	71	71	71	71	71	91	97	98	98	98	98	99	98	98	98	98	98	96	97	96	96	96	95	96	97	98	98	98	98	98	98	98	98	98	98	98	98	98				
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	5	5	5	18	18	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31			
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				
KLPP	GT13	141	140	140	141	131	111	111	111	111	110	109	110	110	110	139	140	137	137	137	136	137	135	139	137	142	143	142	143	143	144	143	144	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143				
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	144	144	143	143	133	116	116	116	116	116	116	115	115	141	141	144	144	141	141	141	137	137	142	142	142	142	147	147	145	145	146	146	146	146	146	146	141	141	141	143	141	143	143	142	142	143	143	140	139			
KLPP	ST17	137	137	136	136	136	125	126	123	122	123	124	124	123	126	140	138	138	138	136	133	127	192	205	204	226	234	233	233	236	236	235	235	236	236	236	234	234	234	234	235	235	235	235	233	233	234	234					
MPSS	GT01	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	48	82	104	102	102	102	102	102	101	102	103	103	103	104	104	104	104	104	105	106	106	106	106	107
MPSS	GT02	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	109	108	108	94	108	106	107	107	107	107	107	107	107	106	106	107	107	107	107	107	107	107	107	108	108	108	108	108	108	108	108	108				
MPSS	ST01	116	52	51	52	52	54	52	54	52	52	54	54	52	53	54	52	53	55	42	110	115	115	115	115	114	114	114	114	114	114	114	114	115	115	115	115	115	115	115	115	115	116	116	116	116	116	115					
PAKA	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			
PAKA	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PAKA	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PAKA	ST2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PAKA	GT4A	90	90	91	91	89	90	89	90	91	90	89	90	91	90	89	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
PAKA	GT4B	70	83	81	81	77	78	78	74	70	70	70	70	75	74																																						

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
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
TMGR	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
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
TMGR	HY03	-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	34	31	33	34	33	34	33	34	34	33	34	36	37	35	33	35	35	37	77	84	84	81	38	38
UPIA	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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
Total Hydro		205	177	183	211	182	182	183	182	209	185	182	185	189	192	187	182	187	208	213	294	548	677	550	550
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	51	52	52	51	52	50	52	53	53	51	52	52	53	52	51	52	53	52	51	51	50	50	49	51
PCUF	CUFK	28	30	30	29	30	28	29	29	30	30	27	30	29	27	30	31	30	29	30	27	25	24	26	24
Total Co-Gen		79	82	82	80	82	78	81	82	83	81	79	82	82	79	82	82	82	82	79	76	75	76	74	74
Total Gen		12014	11544	11452	11110	10892	10849	10574	10478	10402	10440	10277	10312	10403	10417	10406	10141	10392	11169	11657	12094	12454	12850	13233	13317
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	30	31	31	30	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		-10	-24	-15	-16	-39	-29	-33	-54	-72	-25	34	-20	13	106	4	-10	-8	3	-54	-84	-36	-45	28	
Interconnection		20	7	16	14	-8	1	-2	-24	-42	5	64	10	44	137	35	20	22	33	-24	-53	-5	-15	58	
System Total		11994	11537	11436	11096	10900	10848	10576	10502	10444	10435	10213	10302	10359	10280	10371	10121	10370	11136	11681	12147	12459	12865	13175	13321
SRev ST-Coal		45	41	42	346	321	319	337	321	492	568	568	562	562	573	542	553	551	455	44	-29	-1	23	38	
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		241	391	499	355	571	612	873	985	871	664	804	793	719	691	804	1055	806	192	265	411	599	548	349	
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		-3	-6	-6	-4	-6	-2	-5	-6	-7	-5	-3	-6	-6	-3	-6	-6	-6	-6	-6	-3	0	1	0	
Syncon		627	728	728	577	728	728	728	728	728	728	728	728	728	728	728	577	577	577	577	577	577	577	577	577
Hydro		195	122	116	239	117	117	116	117	241	114	117	114	110	107	112	117	112	242	257	156	278	149	276	
S.Reserve Total		1105	1276	1379	1513	1731	1774	2049	2145	2174	2069	2214	2191	2113	2096	2180	2447	2191	1460	1117	1112	1302	1147	1110	