

Availability at Daily Maximum Demand Hour

ST-Coal	2,252 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,032 MW
Hydro	1,805 MW
Distillate	0 MW
Total TNB	8,089 MW
Total IPP	10,952 MW
Total Co-Gen	0 MW
Total System	19,608 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	45,806	13.94 %
Gas	55,403	16.86 %
Hydro	8,299	2.53 %
Total TNB	109,508	33.33 %
ST-Coal	111,662	33.98 %
Gas	107,085	32.59 %
Total IPP	218,747	66.57 %
Co-Gen	352	0.11 %
Total Co-Gen	352	0.11 %
Total Generation	328,607	100.01 %
PLTG	27	0.01 %
Interconnection	27	0.01 %
Net Energy	328,580	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	16,616 MW
TNB Generation	5,290 MW
IPP Generation	10,097 MW
Spinning Reserve	1,206 MW
Maximum Demand	15,457 MW
Net Energy	328,580 MWH
Load Factor	88.57 %

Fuel Cost

Total Cost:	49,834,242.67 RM
Cost per Unit	15.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	423
Hydro	268
Syncon	525
Thermal	69
Total	1,285

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
CBPS	1
GLGR	56
PAKA	85
PGPS	41
SRDG	22
TJGS	210
Total TNB	416
KLPP	99
MPSS	59
PDPS	15
PGLA	106
PKLG	14
PLPS	96
PTEK	7
SGRI	188
SKSP	52
YPGS	70
YPKA	138
Total IPP	845
Total Gas	1,260
Total Gas Required	1,260

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	13587	13041	12371	12101	11711	11569	11679	11730	11994	13554	14415	15034	15017	14354	14720	15307	15458	15094	14063	13820	14906	14700	14421	13800

Daily MW Generation on Friday

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	2400	2500																							
JMAH	U001	699	703	701	702	700	705	702	700	702	700	703	703	699	703	701	700	707	702	681	682	681	682	682	683	678	683	680	702	705	699	702	701	684	681	685	695	700	702	699	701	703	698	700	705	702	702	700		
JMAH	U002	711	705	706	705	700	701	704	703	704	708	704	707	703	703	705	702	702	707	703	683	680	685	682	683	684	683	682	684	704	703	706	712	706	684	683	685	698	703	706	697	702	700	710	705	704	705	698	698	
JMJG	U001	663	681	677	681	673	680	679	678	663	677	677	673	681	679	683	672	685	669	675	663	666	665	666	667	665	659	660	662	690	692	677	671	673	673	637	626	674	679	679	681	681	687	683	678	680	689	680	702	
JMJG	U003	660	673	677	674	674	675	667	668	655	668	670	671	668	670	666	663	672	658	666	662	661	664	658	662	660	655	658	660	683	694	656	640	638	645	591	585	643	640	641	648	647	651	648	643	642	645	637	667	
JMJG	U004	825	710	709	708	710	708	703	610	610	609	610	608	608	609	616	710	716	810	888	912	912	913	910	909	911	910	909	909	908	908	910	911	909	909	101	0	0	0	0	0	0	0	0	0	0	0	0		
PKLG	U003	284	280	282	282	284	283	283	281	281	283	281	283	282	282	280	281	279	281	279	281	283	283	281	281	281	281	282	283	283	283	281	283	281	285	284	284	284	284	283	282	278	278	278	276	284	283	281	281	
PKLG	U005	468	464	467	464	470	463	470	467	466	470	467	467	467	467	467	470	464	466	473	464	467	467	466	466	467	467	466	467	467	467	469	469	470	468	468	468	466	468	467	466	464	472	466	469	467	467			
PKLG	U006	466	472	467	466	463	466	358	382	455	470	467	466	472	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	
TBIN	U001	693	696	698	694	693	696	694	695	694	694	694	697	697	693	698	694	695	698	694	678	677	679	680	678	677	677	679	678	699	698	698	695	697	679	676	683	693	696	697	694	695	697	692	694	695	696	696	699	
TBIN	U002	699	695	709	695	697	698	700	696	693	700	696	698	696	696	698	694	698	699	702	681	682	682	681	681	681	679	680	682	701	695	699	700	693	681	680	682	698	699	697	694	699	697	697	698	701	696	699	695	
TBIN	U003	690	698	694	695	698	695	696	701	694	695	695	694	696	697	695	697	695	697	697	678	679	680	681	684	682	679	681	682	698	695	693	696	694	682	680	685	694	701	698	696	698	694	695	699	699	699	694	692	
Total ST-Coal		6858	6777	6787	6766	6770	6656	6583	6615	6676	6661	6667	6673	6664	6680	6753	6777	6862	6939	6858	6855	6867	6860	6860	6861	6831	6849	6818	6963	6968	6890	6835	6835	6752	6755	5747	5907	5930	5926	5930	5945	5952	5928	5945	6007	6046	6030	6067		
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	
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
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	
GLGR	GT01	106	106	106	80	71	72	71	72	72	72	73	72	74	73	72	74	108	111	109	110	111	111	110	110	109	110	110	109	109	108	109	108	105	104	106	103	104	104	104	102	103	105	104	104	106	106	105	104	
GLGR	GT02	102	102	103	73	67	68	69	68	68	69	68	68	68	68	68	69	67	105	108	108	108	108	108	108	108	108	108	108	108	107	106	106	102	103	103	103	103	103	103	103	103	103	102	103	103	103	103	103	
GLGR	ST1C	93	93	93	83	72	71	71	71	72	72	72	72	71	72	71	88	96	97	96	97	98	98	98	98	99	99	99	99	98	98	98	97	94	93	93	93	93	93	93	93	93	92	94	94	93	94			
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		
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		
KLPP	GT13	151	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT14	152	152	152	152	136	136	92	92	78	78	78	78	78	78	78	78	78	105	105	142	142	144	144	144	142	142	142	142	142	142	142	142	142	142	147	147	141	141	134	134	121	121	141	141	149	149	149		
KLPP	GT15	139	139	139	139	116	77	77	76	76	76	76	76	77	77	76	76	118	118	137	137	134	134	135	135	135	135	134	134	134	134	134	134	135	130	121	141	118	118	139	143	143	143	143	141	141	140			
KLPP	ST17	205	164	136	135	119	99	91	91	91	92	92	91	91	93	91	90	93	113	185	198	198	198	202	201	201	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200		
MPSS	GT01	105	105	81	79	78	78	77	78	77	79	78	78	77	79	78	77	77	107	106	104	103	103	102	100	102	102	99	99	98	100	100	100	100	101	98	101	99	101	100	99	101	100	101	100	101	100	100		
MPSS	GT02	106	106	83	79	78	80	79	80	79	78	79	81	79	79	81	78	107	106	105	109	109	109	108	108	109	108	107	107	108	108	108	108	101	99	101	99	100	101	101	99	101	102	100	101	102	101	102		
MPSS	ST01	111	113	91	77	77	77	77	76	76	76	76	76	76	76	76	76	103	112	112	115	115	115	115	115	115	115	114	114	113	113	115	115	109	109	107	107	107	107	107	107	107	107	107	106	106	106			
PAKA	GT1A	91	91	91	92	92	66	64	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66			
PAKA	GT1B	91	92	93	93	93	65	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65			
PAKA	ST1C	81	81	81	81	80	80	68	67	67	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66		
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		
PAKA	GT2B	88	90	90	90	87	87	63	62	63	64	63	64	64	64	64	64	64	64	64	63	87	87	87	86	87	86	87	87	86	87	87	87	87	87	87	86	87	86	87	86	85	85	86	85	87	87	86		
PAKA	ST2C	41																																																

Daily MW Generation on Friday

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	-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	0	30	28	32	27	31	29	28	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY03	42	45	27	0	25	30	0	27	23	30	33	30	29	33	29	28	33	26	30	34	33	32	33	32
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
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	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		233	272	197	167	230	247	213	237	242	234	219	211	210	239	207	206	219	275	281	290	291	405	706	722
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	-36	-35	-35	-35	-36	-34	-35	-37	-35	-35	-36	-34	-37	-33	-31	-32	-31	-31	-32	-30	-18	-30	-30	-18
PCUF	CUFK	40	40	42	41	39	40	39	40	41	40	40	40	41	39	39	39	40	43	40	39	38	37	37	39
Total Co-Gen		4	5	7	6	3	6	5	2	5	6	4	6	5	6	7	3	4	4	3	4	9	3	6	7
Total Gen		13614	13253	13014	12620	12409	12347	12148	11889	11756	11615	11624	11477	11677	11889	11708	11581	12002	12850	13555	14073	14450	14624	14999	15044
TIB-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
TIB-HVDC		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIB-PLTG		27	8	-27	-41	38	25	47	34	45	18	55	51	-2	-25	-22	54	8	35	1	8	35	-84	-35	-10
Interconnection		27	8	-27	-41	38	25	47	34	45	18	55	51	-2	-25	-22	54	8	35	1	8	35	-84	-35	-10
System Total		13587	13345	13041	12661	12371	12322	12101	11855	11711	11597	11569	11426	11679	11914	11730	11527	11994	12815	13554	14065	14415	14708	15034	15054
SRev ST-Coal		47	22	-32	-11	-7	-15	41	40	8	58	71	66	59	70	62	2	-22	-107	16	109	142	130	137	136
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		537	717	540	882	1149	1239	1289	1496	1669	1864	1823	1970	1774	1583	1749	1946	1649	1461	1186	711	432	327	247	223
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		72	71	69	70	73	70	71	74	71	70	72	70	71	70	69	71	70	69	73	72	72	73	72	67
Syncon		719	719	719	719	719	719	719	568	568	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719
Hydro		123	84	59	92	111	94	86	144	290	213	77	85	86	207	88	90	77	96	90	80	515	300	249	383
S.Reserve Total		1498	1569	1355	1752	2045	2107	2206	2473	2606	2773	2762	2910	2709	2498	2687	2828	2493	2238	2084	1691	1344	1315	1190	1295