

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,688 MW
Hydro	1,948 MW
Distillate	0 MW
Total TNB	8,026 MW
Total IPP	9,547 MW
Total Co-Gen	20 MW
Total System	18,163 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	52,092	16.68 %
Gas	57,023	18.26 %
Hydro	18,819	6.03 %
Total TNB	127,934	40.96 %
ST-Coal	114,837	36.77 %
Gas	68,184	21.83 %
Total IPP	183,021	58.60 %
Co-Gen	163	0.05 %
Total Co-Gen	163	0.05 %
Total Generation	311,118	99.62 %
PLTG	-468	-0.15 %
EGAT	-33	-0.01 %
HVDC	-698	-0.22 %
Interconnection	-1,199	-0.38 %
Net Energy	312,317	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:	14:30:00 Hour
Total Set On Bus	16,382 MW
TNB Generation	6,519 MW
IPP Generation	8,536 MW
Spinning Reserve	1,321 MW
Maximum Demand	15,089 MW
Net Energy	312,317 MWH
Load Factor	86.24 %

Fuel Cost

Total Cost:	38,599,736.55 RM
Cost per Unit	13.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	527
Hydro	347
Syncon	277
Thermal	166
Total	1,317

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	29

Gas Usage

Station	(mmscfd)
CBPS	16
CBPS	19
GLGR	53
PAKA	97
PGGS	17
SRDG	18
TJGS	217
Total TNB	438
KLPP	96
MPSS	2
PDPS	26
PKLG	15
PLPS	95
PTEK	24
SGB3	63
SGRI	185
SKSP	52
Total IPP	556
Total Gas	994
Total Gas Required	994

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	12002	11496	11116	10789	10501	10408	10513	10541	11402	13297	14225	14754	14701	14473	14870	14968	14938	14573	13507	13832	14303	13991	13519	12949

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	701	696	702	698	697	694	695	671	670	670	649	651	646	669	706	696	696	701	697	704	701	699	677	676	678	678	677	675	676	675	676	676	677	677	676	704	697	698	710	700	702	702	701	701	702	700	703				
JMAH	U002	703	578	606	623	700	699	706	674	673	673	671	653	653	655	671	703	707	700	705	704	704	704	700	680	685	685	682	686	687	690	692	683	684	683	684	685	702	702	706	703	703	703	703	701	702	702	706	706	695		
JMUG	U001	594	593	591	596	598	590	592	594	592	594	593	637	684	678	677	683	677	679	673	679	674	677	675	667	661	664	663	673	688	673	663	662	664	671	662	672	682	682	700	683	676	677	685	682	677	690	686	695			
JMUG	U002	678	702	673	686	678	684	677	678	676	668	673	640	648	652	657	678	623	667	684	690	673	667	673	666	666	663	664	676	685	667	662	671	665	669	663	666	683	681	692	682	672	673	680	676	673	686	680	685			
JMUG	U004	791	794	791	788	789	794	791	790	791	792	792	789	791	791	791	793	792	811	879	912	910	911	911	913	911	908	908	907	908	906	909	909	907	907	870	865	862	857	860	859	857	859	858	857	860	812	791				
PKLG	U003	283	281	283	283	283	282	280	282	280	282	284	282	282	282	283	283	282	282	280	284	283	283	283	281	281	281	283	281	281	285	285	283	283	283	283	283	283	283	283	283	283	283	283	284	284	280	280				
PKLG	U004	281	279	279	277	277	279	281	281	281	279	279	278	278	277	279	281	281	279	280	280	280	280	280	280	280	282	280	278	278	278	281	280	281	282	279	279	280	280	280	280	280	280	280	280	280	280	280	280			
PKLG	U005	443	423	345	360	360	358	360	360	372	442	442	443	441	445	445	441	445	445	441	444	445	445	441	442	442	445	441	444	444	445	444	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445	445				
PKLG	U006	267	274	270	270	270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TBIN	U001	696	698	698	579	499	700	702	682	668	667	668	651	649	650	669	701	699	696	699	694	698	698	698	678	679	678	678	679	676	678	676	675	678	677	678	678	696	697	699	696	697	697	696	697	696	699	699	698			
TBIN	U002	699	701	698	700	697	696	701	674	672	673	670	652	651	651	674	699	697	696	702	703	698	699	680	680	682	683	683	682	681	679	678	681	679	682	681	699	699	698	698	698	699	697	701	696	696	697	697	699			
TBIN	U003	698	700	699	698	695	695	697	670	672	674	669	653	651	651	669	702	697	698	698	697	694	694	681	682	679	676	681	681	669	680	683	681	678	681	681	697	694	700	699	694	697	695	698	697	700	699	699				
TBIN	U004	574	384	374	374	373	383	380	383	376	379	370	367	381	382	385	388	398	389	392	364	351	351	303	284	279	267	254	246	245	242	239	230	285	290	252	274	297	321	322	325	349	360	363	360	369	379	372	332			
Total ST-Coal		7208	7103	7007	6932	6916	6854	6862	6739	6723	6795	6779	6694	6760	6758	6866	7055	6993	7019	7051	7025	7024	7076	7060	6925	6925	6916	6889	6916	6929	6888	6882	6870	6929	6941	6893	6888	7031	7041	7082	7066	7054	7078	7089	7073	7071	7119	7053	7017			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
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	0	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	0	0	0	0	0	0	0	0	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	98	68	67	68	68	66	66	68	68	67	68	69	68	67	66	69	68	108	106	105	105	105	104	104	104	103	103	102	103	102	102	103	103	103	103	104	104	103	104	104	104	104	104	105	107	105	106	106	106	105	105
GLGR	GT02	98	67	68	68	68	67	68	67	68	67	68	68	67	67	68	67	110	107	106	107	107	105	105	105	104	104	103	103	103	103	103	104	103	102	103	103	103	104	104	104	104	104	105	107	105	106	106	106	106	106	
GLGR	ST1C	97	74	72	71	72	72	72	72	72	72	72	72	72	72	72	93	100	99	99	99	99	99	99	98	98	98	97	97	97	98	97	97	96	97	97	98	98	98	98	98	99	99	99	99	99	99	99	99	99		
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	131	131	132	136	136	136	86	86	86	86	74	74	74	74	74	136	128	132	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	131		
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	116	116	150	150	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	
KLPP	GT15	150	150	150	150	120	78	77	77	79	79	79	77	81	77	79	79	81	152	148	148	147	152	151	151	148	152	150	148	149	149	152	152	152	152	151	151	149	116	115	150	149	149	149	149	149	149	148	148			
KLPP	ST17	132	132	132	132	119	99	90	90	91	91	92	92	91	91	86	98	98	197	201	200	200	200	200	199	196	200	200	199	204	206	208	208	204	202	202	202	184	181	227	232	232	230	230	230	206	189	133				
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			
PAKA	GT1A	72	66	66	67	65	65	65	66	66	65	66	66	66	65	66	66	66	66	90	90	90	90	90	89	90	89	89	88	88	87	88	87	87	87	87	88	88	66	67	88	88	89	88	88	89	90	90	90	90		
PAKA	GT1B	74	66	65	65	65	64	63	65	65	64	65	65	64	65	64	65	65	65	92	92	91	91	91	90	90	90	91	91	90	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89		
PAKA	ST1C	74	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	77	77	77	77	77	76	78	78	78	78	77	77	77	77	77	7																	

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
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT22	137	137	111	110	116	128	113	112	110	110	109	109	112	113	115	111	111	111	111	111	111	111	111	111
SGRI	GT23	140	140	112	109	112	122	109	112	109	109	108	108	111	109	109	109	109	109	109	109	109	109	109	109
SGRI	ST24	170	150	131	132	135	138	135	129	137	136	137	140	131	138	133	141	158	197	207	218	220	216	221	196
SKSP	BLK1	335	347	298	225	221	238	223	220	214	210	215	214	217	225	211	212	264	299	349	347	299	297	307	346
TJGS	GT1A	219	207	214	222	227	206	224	199	193	197	195	196	193	225	191	201	225	227	227	223	227	225	226	223
TJGS	GT1B	215	214	200	197	213	212	219	192	183	184	186	185	185	214	184	192	220	223	220	220	220	220	220	220
TJGS	ST1C	245	242	242	238	253	226	248	227	242	222	222	222	225	245	239	224	249	254	257	257	257	257	257	257
TJGS	GT2A	218	222	186	214	197	206	208	196	189	190	187	188	191	213	192	193	222	236	223	221	221	221	221	221
TJGS	GT2B	214	218	183	208	195	206	205	194	186	185	185	183	187	208	188	188	219	222	222	222	222	220	220	220
TJGS	ST2C	252	259	244	258	248	242	254	239	241	238	238	239	241	246	241	238	258	262	262	262	262	262	262	262
Total CCGT-Gas		4292	4093	3873	3799	3703	3534	3453	3332	3317	3270	3281	3287	3297	3478	3375	3406	3985	4933	5530	5685	5751	5592	5661	5544
CBPS	GT03	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	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	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
PDPS	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
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGGS	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGGS	GT6B	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	GT08	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	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FTEK	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
FTEK	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
FTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	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 CCGT-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
BSIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	9	9	9	10	10	9	9	10	9	10	10	9	10	9	10	9	10	9	10	10	10	10	9	9
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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
HTRG	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
KNRG	HY01	36	36	37	37	37	37	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KNRG	HY02	38	38	38	38	38	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	-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	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	62	100	56	85	83	100	78	80	68	55	55	67	88	73	71	100	56	100	100	55	54	55	64	63
LPJA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
LPJA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
PGAU	HY01	-1	-1	-1	-1	-1	93	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	71	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	107	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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

