

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,266 MW
Hydro	1,696 MW
Distillate	0 MW
Total TNB	8,042 MW
Total IPP	10,306 MW
Total Co-Gen	0 MW
Total System	18,348 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	66,802	21.02 %
Gas	48,428	15.24 %
Hydro	13,554	4.27 %
Total TNB	128,784	40.53 %
ST-Coal	80,326	25.28 %
ST-Gas	1,484	0.47 %
Gas	105,900	33.33 %
Total IPP	187,710	59.07 %
Co-Gen	1,535	0.48 %
Total Co-Gen	1,535	0.48 %
Total Generation	318,029	100.09 %
PLTG	-268	-0.08 %
EGAT	-26	-0.01 %
HVDC	573	0.18 %
Interconnection	279	0.09 %
Net Energy	317,750	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	15,787 MW
TNB Generation	5,983 MW
IPP Generation	8,595 MW
Spinning Reserve	1,145 MW
Maximum Demand	14,606 MW
Net Energy	317,750 MWH
Load Factor	90.64 %

Fuel Cost

Total Cost:	46,500,042.08 RM
Cost per Unit	15.27 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	351
Hydro	515
Syncon	330
Thermal	47
Total	1,243

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
CBPS	2
CBPS	3
GLGR	11
PAKA	181
PGPS	44
SRDG	20
TJGS	108
Total TNB	369
KLPP	80
MPSS	60
PDPS	6
PGLA	115
PKLG	8
PLPS	108
PTEK	3
SGB3	58
SGRI	202
SKSP	48
YPGS	67
YPKA	67
PKLG	14
Total IPP	836
Total Gas	1,205
Total Gas Required	1,205

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	13763	13180	12750	12256	11957	11773	11615	11350	11325	12624	13507	14069	13978	13647	13894	13884	13964	13741	13232	13405	14562	14521	14164	13832

Daily MW Generation on Saturday

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	706	704	702	705	701	706	703	703	699	702	701	702	701	701	701	702	703	703	703	702	700	701	702	701	702	703	698	696	699	698	697	698	699	701	699	696	694	697												
JMAH	U002	700	712	702	704	702	706	704	702	700	707	700	700	697	701	700	695	696	696	696	698	695	702	697	700	701	701	705	706	702	700	704	702	705	701	699	702	698	699	699	705	710	701	705	694						
JMJG	U001	666	657	653	647	656	644	655	655	660	651	660	655	649	654	657	656	655	655	660	659	667	671	666	658	651	650	652	657	651	656	658	658	650	651	656	651	653	660	657	656	653	648	652	654	660	676	678			
JMJG	U002	676	682	678	688	669	661	668	678	673	677	666	671	657	662	647	676	672	678	666	590	637	680	679	679	679	679	678	679	679	684	675	678	678	678	677	684	677	680	679	680	682	678	680	680	681	677	679	682		
JMJG	U003	671	677	671	662	670	665	666	674	673	670	659	666	651	660	647	670	671	671	666	669	669	668	674	666	663	668	672	671	668	678	661	674	673	673	669	671	666	671	668	666	667	663	665	671	673	675	668	668		
JMJG	U004	756	763	760	761	759	762	761	760	762	759	761	761	760	762	759	760	760	760	760	758	777	801	808	807	804	801	804	804	805	804	805	807	804	804	808	805	804	807	806	806	804	807	804	806	804	805	807	806		
PKLG	U004	279	278	278	279	279	279	277	282	278	280	279	279	280	280	278	278	279	281	281	281	281	280	281	279	277	279	281	280	282	282	282	280	280	282	280	280	280	280	280	281	281	278	280	280	280	281				
PKLG	U005	273	269	269	269	269	269	269	269	269	269	269	269	266	269	269	266	269	269	265	269	267	269	268	268	268	268	268	268	268	271	268	268	271	268	268	268	267	267	267	267	267	266	269	269	269	269	271			
TBIN	U002	702	703	698	701	697	700	701	702	698	696	700	700	698	698	700	702	698	705	701	701	698	701	699	698	700	701	698	699	705	697	698	704	699	699	700	700	699	701	697	700	692	699	699	697	698	694	699	703		
TBIN	U003	697	697	702	699	698	699	696	700	701	697	697	695	698	697	699	697	699	698	698	694	694	697	699	698	696	694	700	696	698	695	697	695	697	698	699	697	701	692	694	691	692	693	698	692	692	696	691			
Total ST-Coal		6126	6142	6113	6115	6100	6091	6102	6120	6117	6106	6093	6103	6056	6079	6059	6111	6098	6117	6106	6023	6090	6164	6176	6154	6141	6147	6143	6160	6156	6171	6147	6175	6156	6151	6162	6168	6149	6165	6145	6149	6131	6141	6134	6157	6160	6149	6173	6171		
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	
PKLG	U001	284	280	260	176	146	143	143	138	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	U002	281	282	254	185	160	118	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		565	562	514	361	306	261	203	138	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	72	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	113	111	113	80	80	80	79	79	79	81	80	81	80	79	79	80	79	79	80	112	111	112	111	110	112	111	111	118
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		
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	140	137	139	139	139	137	137	137	137	135	135	135	107	74	99	104	135	137	137	138	138	137	138	137	138	137	140	139	139	140	139	138	138	138	138	137	137	139	139	139	140	139	139	138	138	138	136			
KLPP	GT14	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	140	140	141	141	140	140	140	144	140	140	144	140	119	78	105	114	142	142	142	143	143	143	143	143	143	142	142	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	142	142	141	142	142	141	
KLPP	ST17	191	135	135	134	134	135	135	134	134	135	139	134	134	133	124	95	112	120	133	134	133	133	134	134	134	134	135	135	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133
MPSS	GT01	111	110	111	109	109	108	108	91	73	75	75	76	74	76	74	76	104	109	109	107	108	108	108	108	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	
MPSS	GT02	111	110	111	110	110	109	109	91	76	77	78	77	75	77	76	77	78	104	110	109	109	109	109	108	108	108	108	107	106	108	108	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
MPSS	ST01	115	116	116	116	116	115	115	102	73	72	73	73	72	72	70	71	71	96	115	115	115	115	115	115	115	115	115	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	
PAKA	GT1A	90	90	90	90	90	90	65	66	67	67	68	67	67	67	66	67	90	89	89	88	88	87	86	87	87	87	86	86	86	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
PAKA	GT1B	91	91	91	91	91	91	65	66	66	66	66	66	66	66	66	66	92	91	90	89	89	89	88	88	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
PAKA	ST1C	77	77	77	76	76	76	66	65	65	65	64	64	64	65	65	65	76	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	
PAKA	GT2A	81	83	81	82	81	83	82	81	81	82	82	82	82	81	82	82	82	83	83	79	81	79	81	80	80	80	80	80	79	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
PAKA	GT2B	89	89	88	89	89	88	88	88	88	89	89	89	89	89	89	89	89	88	88	88	88	87	86	86	85	84	85	84	84	84</																				

Daily MW Generation on Saturday

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																														
LPIA	HY02	16	15	15	16	16	16	15	15	16	16	15	15	16	16	16	15	15	16	16	15	15	16	16	16	16	15	15	15	15	16	16	16																						
MNOR	HY01	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	6	6	7	7	5	5	1	1	3	3	4	4	7	7	7	7	4	4	8	8	8	8	8	8	8														
PGAU	HY01	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21													
PGAU	HY02	-1	-1	-1	20	101	82	82	-1	-1	-1	-1	-1	-1	-1	-1	19	19	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21												
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-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	HY04	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-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	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
SYPS	HY01	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	24	24	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY04	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	73	38	30	41	35	34	29	31	30	30	27	26	26	29	27	33	27	36	23	43	51	43	46	50	42	53	51	49	47	48	41	44	50	43	43	50	48	48	50	51	45	48	44	45	44	51	42	47						
TMGR	HY03	27	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	45	49	44	48	46	44	-1	-1	-1	-1	47	44	44	48	46	43	-1	-1	-1	-1	32	28	28	28	28	29	29	28	29					
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	45	49	45	49	47	45	48	49	49	47	49	44	45	48	47	44	-1	-1	-1	-1	35	31	32	32	31	32	33	32	32					
UPIA	HY01	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3							
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							
Total Hydro		645	581	505	603	507	444	403	371	371	342	313	274	253	257	181	180	170	218	300	525	685	749	789	796	738	423	431	430	605	784	728	736	798	762	746	436	431	428	441	862	842	848	832	820	857	901	804	810						
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					
PCUF	CUFG	51	51	51	51	51	52	51	51	51	52	52	51	51	51	52	51	52	52	48	47	48	49	47	48	48	48	49	49	49	49	49	49	48	49	48	49	48	49	47	47	47	47	48	47	48	47	47	48						
PCUF	CUFK	15	15	16	15	14	16	14	13	13	15	14	14	14	14	15	15	16	15	14	15	14	15	15	13	15	14	14	13	14	14	16	15	15	16	16	16	15	14	15	14	16	14	15	16	14	15	15	15	15					
Total Co-Gen		66	66	67	66	65	68	65	64	64	67	66	65	65	65	66	66	67	68	67	62	62	62	64	62	61	63	62	62	62	63	63	64	64	63	65	64	65	62	61	62	61	64	61	63	64	61	62	63	61	62	63			
Total Gen		13821	13584	13169	13012	12791	12486	12336	12195	12023	11903	11801	11772	11655	11719	11462	11147	11384	12053	12621	12991	13471	13815	14087	14174	14045	13646	13609	13697	13910	14092	13942	13995	13947	13849	13745	13418	13258	13285	13438	14385	14612	14642	14567	14442	14209	14132	13824	13786						
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	0				
TIE-HVDC		31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30				
TIE-PLTG		27	-34	-41	-84	11	-10	50	81	36	-11	-2	-12	10	43	82	-8	29	-63	-33	-30	-66	0	-12	-33	36	-84	-68	-69	-15	-4	28	-48	-47	-43	-26	-48	-4	4	3	-24	20	4	15	-8	15	-4	-38	-34						
Interconnection		58	-4	-11	-53	41	21	80	111	66	18	28	18	40	73	112	21	59	-33	-3	0	-36	30	18	-3	67	-54	-38	-38	16	26	58	-18	-17	-13	4	-18	26	35	33	6	50	35	46	22	45	27	-8	-3						
System Total		13763	13588	13180	13065	12750	12465	12256	12084	11957	11885	11773	11754	11615	11646	11350	11126	11325	12086	12624	12991	13507	13785	14069	14177	13978	13700	13647	13735	13894	14066	13884	14013	13964	13862	13741	13436	13232	13250	13405	14379	14562	14607	14521	14420	14164	14105	13832	13789						
SRev ST-Coal		35	29	58	56	71	80	69	51	54	65	78	68	115	92	112	30	43	24	35	87	51	27	15	37	50	44	48	31	35	20	44	16	35	40	29	23	42	26	46	72	90	80	87	64	61	72	48	50						
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	72	72	75	109	107	106	105	109	105	107	169	52	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		598	269	386	190	244	435	494	555	644	669	728	727	776	739	901	1267	1103	846	557	535	236	203	139	159	213	271	313	242	201	210	284	315	293	428	445	409	546	569	408	182	203	269	319	314	404	268	434	392						
SRev ST-Gas		5	8	56	79	76	73	69	37	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		-22	-22	-23	-22	-21	-24	-21	-20	-20	-23	-22	-21	-21	-21	-22	-22	-23	-24	-23	-18	-18	-18	-18	-20	-18	-17	-19	-18	-18	-18	-19	-19	-20	-20	-19	-21	-20	-21	-18	-17	-20	-17	-19	-20	-17	-18	-19	-19						
Syncon		389	626	626	475	475	475	475	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626					
Hydro		454	69	145	198	144	207	248	129	129	158	187	226	146	142	269	119	129	81	200	662	474	599	559	552	610	465	356	357																										