

### Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,288 MW
Hydro	1,854 MW
Distillate	0 MW
Total TNB	<u>7,212 MW</u>
Total IPP	<u>10,713 MW</u>
Total Co-Gen	0 MW
Total System	<u>17,925 MW</u>

### Generation Mix

Type	MWh	Percentage
ST-Coal	48,435	14.88 %
Gas	56,738	17.44 %
Hydro	12,677	3.90 %
<b>Total TNB</b>	<b>117,850</b>	<b>36.22 %</b>
ST-Coal	101,400	31.16 %
ST-Gas	5,513	1.69 %
Gas	99,709	30.64 %
<b>Total IPP</b>	<b>206,622</b>	<b>63.50 %</b>
Co-Gen	1,652	0.51 %
<b>Total Co-Gen</b>	<b>1,652</b>	<b>0.51 %</b>
<b>Total Generation</b>	<b>326,124</b>	<b>100.22 %</b>
PLTG	-14	0.00 %
HVDC	729	0.22 %
<b>Interconnection</b>	<b>715</b>	<b>0.22 %</b>
<b>Net Energy</b>	<b>325,409</b>	<b>100.00 %</b>

### 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:	15:30:00 Hour
Total Set On Bus	16,548 MW
TNB Generation	5,552 MW
IPP Generation	9,815 MW
Spinning Reserve	1,115 MW
Maximum Demand	15,416 MW
Net Energy	325,409 MWH
Load Factor	87.95 %

### Fuel Cost

Total Cost:	52,887,924.22 RM
Cost per Unit	16.87 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	341
Hydro	167
Syncon	446
Thermal	27
<b>Total</b>	<b>981</b>

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

### Gas Usage

Station	(mmsefd)
CBPS	24
CBPS	59
GLGR	32
PAKA	123
PGPS	52
SRDG	67
TJGS	116
<b>Total TNB</b>	<b>473</b>
KLPP	121
MPSS	58
PDPS	49
PGLA	6
PKLG	15
PLPS	105
PTEK	37
SGB3	35
SGRI	200
SKSP	58
YPKA	131
PKLG	54
<b>Total IPP</b>	<b>871</b>
<b>Total Gas</b>	<b>1,343</b>
<b>Total Gas Required</b>	<b>1,343</b>

### Alternate Fuel Usage

Station	(mmsefd)
<b>Total</b>	<b>0</b>

### 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	13076	12536	11970	11691	11413	11282	11379	11514	11994	13707	14538	15234	15111	14786	14767	15343	15348	14793	13919	14177	14686	14384	13825	13448

### 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																										
JMAH	U001	700	701	700	704	701	704	703	702	703	706	703	702	704	703	702	702	703	702	701	701	701	702	703	703	705	702	706	702	702	706	710	701	708																	
JMJG	U001	684	682	683	683	685	683	684	683	604	650	679	682	681	679	678	681	677	681	677	683	683	686	682	684	683	685	687	685	686	686	685	685	684	685	683	686	679	681	682	682	677	678	682	683	678	679	680	681		
JMJG	U002	678	685	687	674	679	657	677	682	678	672	685	682	709	678	678	675	630	682	662	684	678	696	677	679	690	678	677	679	668	679	679	677	679	658	681	679	680	637	593	595	596	581	616	595	598	590	588			
JMJG	U003	674	679	679	678	678	679	678	680	677	685	679	678	672	666	679	678	682	679	678	683	679	681	679	681	679	682	677	680	679	683	679	679	680	679	680	679	678	682	686	683	680	677	635	623						
PKLG	U003	282	282	282	282	280	284	283	281	281	283	280	282	280	283	281	280	280	282	282	282	282	280	280	280	280	282	282	282	284	284	280	284	282	282	281	273	281	281	281	281	281	283	283	283	283	283				
PKLG	U004	283	285	282	284	282	280	280	280	279	279	279	279	281	281	285	281	281	281	283	283	281	280	280	280	280	282	278	280	280	280	280	282	282	280	278	278	280	278	280	280	274	276	276	280	280	282	280			
PKLG	U005	464	466	465	469	472	435	351	348	378	441	462	465	469	466	466	465	465	462	465	463	465	469	465	466	466	469	464	469	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466			
PKLG	U006	467	467	463	467	467	398	344	358	356	425	464	467	468	467	468	467	468	460	466	469	463	466	469	469	466	466	466	466	469	466	466	466	469	466	469	367	270	267	270	269	270	274	274	274	318	406	466	472		
TBIN	U001	696	695	694	696	696	696	697	696	698	698	698	700	695	696	699	699	698	693	695	700	699	696	695	695	697	698	693	695	694	697	696	697	692	696	696	695	694	695	696	696	696	696	696	696	696	696	696	699		
TBIN	U002	692	695	697	692	706	705	698	699	698	685	694	696	698	704	701	696	701	694	695	697	697	693	692	697	695	695	696	693	691	699	698	699	697	695	699	699	698	693	694	693	698	699	696	693	697	701	695	696	699	
TBIN	U003	694	696	694	695	696	698	695	698	695	699	697	696	696	695	697	698	697	692	694	699	696	695	699	696	695	699	696	698	695	696	698	697	693	699	696	697	694	683	698	690	696	698	701	699	698	699	697	698	698	697
Total ST-Coal		6314	6333	6326	6324	6342	6219	6090	6107	6047	6223	6320	6330	6351	6319	6334	6328	6325	6253	6316	6326	6332	6328	6337	6326	6330	6339	6322	6320	6330	6318	6322	6337	6323	6335	6201	6126	6119	6120	6082	6044	6052	6040	6034	6068	6091	6185	6192	6196		
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	0
PKLG	U001	265	265	249	169	143	143	143	143	143	143	143	143	143	143	143	170	251	260	264	264	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	
Total ST-Gas		265	265	249	169	143	143	143	143	143	143	143	143	143	143	143	170	251	260	264	264	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265
CBPS	GT1A	96	96	96	97	87	86	86	86	87	86	86	86	87	86	86	86	95	97	97	97	97	97	97	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	
CBPS	GT1B	95	96	94	95	88	89	89	88	89	89	89	89	89	89	88	96	97	96	95	96	96	97	96	96	94	94	93	95	95	95	95	94	98	97	96	96	96	96	97	96	98	99	98	98	99	99	99	99	98	
CBPS	ST1C	104	105	104	105	96	93	93	93	93	93	93	93	92	93	98	104	106	105	103	104	105	104	102	102	100	99	103	101	102	103	103	106	105	105	104	105	104	104	105	105	105	105	105	105	105	105	105	105	105	
GLGR	GT01	109	110	109	109	109	108	109	108	109	109	109	109	109	109	109	109	108	108	107	107	106	105	104	106	105	106	104	103	103	104	105	104	104	104	105	107	107	107	107	107	108	110	110	110	109	110	109			
GLGR	ST1C	47	47	46	46	47	46	46	46	47	47	46	46	47	47	46	46	46	45	45	44	44	44	44	44	43	44	44	44	44	45	45	45	45	45	45	46	46	46	47	46	47	46	47	46	47	47	47	47		
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	5	5	5	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0
KLPP	GT13	162	156	162	161	161	159	125	125	124	80	81	81	80	82	80	99	157	155	160	159	159	160	161	161	162	162	161	161	161	160	160	161	161	161	160	161	161	159	159	158	160	160	160	160	158	161	160	158		
KLPP	GT14	144	144	144	144	146	146	147	147	134	134	118	118	77	77	77	77	76	76	130	130	148	148	148	148	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	
KLPP	GT15	147	149	145	149	148	148	148	119	119	73	73	74	75	74	74	107	143	141	148	146	148	151	151	148	148	149	149	149	149	148	149	148	147	147	148	148	146	152	151	151	151	151	151	151	151	151	151	151	146	
KLPP	ST17	205	200	208	204	205	203	205	187	188	188	154	142	140	140	140	162	203	200	232	232	232	233	233	234	234	234	233	233	233	233	233	231	231	233	233	233	233	232	232	234	234	233	233	234	234	234	219			
MPSS	GT01	95	96	95	97	74	67	69	66	68	68	69	66	67	68	67	68	87	100	97	95	93	93	92	92	92	92	92	92	92	92	92	92	92	93	93	94	94	97	95	95	95	95	94	94	95	95				
MPSS	GT02	109	109	109	109	75	69	70	69	71	69	71	70	71	68	69	69	88	111	109	109	108	108	107	108	107	107	107	107	107	107	107	107	107	108	107	107	107	112	110	110	110	109	110	109	110	108				
MPSS	ST01	113	113	113	113	84	68	66	66	66	66	66	66	67	67	67	77	113	114	113	112	112	112	111	112	112	112	112	112	112	111	111	111	111	111	111	111	112	116	116	115	114	114	114	114	113					
PAKA	GT1A	90	89	64	67	65	66	67	65	66	65	67	65	66	90	90	91	90	89	88	86	86	85	85	86	85	84	85	86	84	86	86	85	85	88	88	89	86	86	87	90	90	89	89	90	90	90	90			
PAKA	GT1B	91	91	64	64	63	65	66	64	65	63	66	64	65	90	90	91	90	89	88	87	87	88	87	87	87	87	87	87	87	87	87	88	88	87	90	90	90	90	90	91	91	91	91	91	91	91	91			
PAKA	ST1C	82	78	71																																															



### 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
KNYR	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
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
LPIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
MNOR	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
PGAU	HY01	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	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
PGAU	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
PGAU	HY04	21	20	152	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	30	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	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	30	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
SYPS	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
TMGR	HY01	33	37	0	28	29	31	29	32	27	30	30	32	35	31	29	28	31	22	32	28	34	77	81	81
TMGR	HY02	0	0	36	30	0	0	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
UPLA	HY01	4	4	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPLA	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
<b>Total Hydro</b>		<b>326</b>	<b>280</b>	<b>359</b>	<b>219</b>	<b>221</b>	<b>194</b>	<b>189</b>	<b>198</b>	<b>182</b>	<b>190</b>	<b>212</b>	<b>220</b>	<b>235</b>	<b>239</b>	<b>210</b>	<b>185</b>	<b>191</b>	<b>157</b>	<b>186</b>	<b>231</b>	<b>247</b>	<b>627</b>	<b>796</b>	
<b>Total Distillate</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
PCUF	CUFG	33	35	34	35	33	34	35	35	34	34	36	35	34	35	36	36	35	33	34	31	24	26	31	34
PCUF	CUFK	38	38	38	40	39	35	35	35	35	36	35	37	37	38	36	34	33	33	31	29	28	29	29	27
<b>Total Co-Gen</b>		<b>71</b>	<b>73</b>	<b>72</b>	<b>75</b>	<b>72</b>	<b>69</b>	<b>70</b>	<b>69</b>	<b>72</b>	<b>70</b>	<b>71</b>	<b>72</b>	<b>74</b>	<b>72</b>	<b>69</b>	<b>66</b>	<b>67</b>	<b>64</b>	<b>55</b>	<b>55</b>	<b>59</b>	<b>63</b>	<b>66</b>	
<b>Total Gen</b>		<b>13215</b>	<b>12818</b>	<b>12626</b>	<b>12241</b>	<b>12080</b>	<b>11877</b>	<b>11687</b>	<b>11677</b>	<b>11480</b>	<b>11493</b>	<b>11282</b>	<b>11319</b>	<b>11353</b>	<b>11666</b>	<b>11599</b>	<b>11498</b>	<b>12017</b>	<b>13054</b>	<b>13679</b>	<b>14116</b>	<b>14501</b>	<b>14909</b>	<b>15236</b>	
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		29	31	31	31	30	30	29	31	29	30	31	30	29	30	29	30	30	31	30	32	30	30	31	30
TIE-PLTG		110	84	59	38	80	15	-34	33	37	27	-30	0	-56	11	55	-9	-7	74	-58	21	-67	31	-27	
Interconnection		139	116	90	69	110	44	-4	62	67	56	0	32	-26	40	85	20	23	104	-28	53	-37	63	2	
<b>System Total</b>		<b>13076</b>	<b>12702</b>	<b>12536</b>	<b>12172</b>	<b>11970</b>	<b>11833</b>	<b>11691</b>	<b>11615</b>	<b>11413</b>	<b>11437</b>	<b>11282</b>	<b>11287</b>	<b>11379</b>	<b>11626</b>	<b>11514</b>	<b>11478</b>	<b>11994</b>	<b>12950</b>	<b>13707</b>	<b>14063</b>	<b>14538</b>	<b>14846</b>	<b>15234</b>	
SRev ST-Coal		42	23	30	32	14	-87	42	25	68	-91	36	26	5	37	22	28	31	103	40	30	24	28	19	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	231	253	126	190	143	
SRev CCGT-Gas		358	521	551	240	392	442	499	535	655	826	1159	1138	1141	801	854	926	715	477	230	183	153	158	165	
SRev ST-Gas		0	0	16	37	36	35	35	35	35	35	35	35	35	35	35	35	37	14	5	1	1	0	0	
SRev Co-Gen		5	3	4	1	4	7	6	6	7	7	4	6	5	4	4	2	4	7	10	9	12	21	21	
Syncon		728	728	728	728	728	728	641	640	728	728	777	777	777	426	577	728	728	728	728	728	728	728	723	
Hydro		144	90	-28	198	109	136	141	133	148	140	269	261	246	393	271	145	139	165	136	141	125	171	236	
<b>S.Reserve Total</b>		<b>1277</b>	<b>1365</b>	<b>1301</b>	<b>1236</b>	<b>1283</b>	<b>1261</b>	<b>1364</b>	<b>1374</b>	<b>1641</b>	<b>1645</b>	<b>2080</b>	<b>2043</b>	<b>2009</b>	<b>1696</b>	<b>1763</b>	<b>1864</b>	<b>1654</b>	<b>1613</b>	<b>1380</b>	<b>1345</b>	<b>1169</b>	<b>1291</b>	<b>1156</b>	