

**Availability at Daily Maximum Demand Hour**

ST-Coal	1,950 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,413 MW
Hydro	1,835 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,198 MW</b>
<b>Total IPP</b>	<b>10,349 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,117 MW</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,404	14.67 %
Gas	58,574	18.13 %
Hydro	11,050	3.42 %
<b>Total TNB</b>	<b>117,028</b>	<b>36.22 %</b>
ST-Coal	99,551	30.81 %
Gas	105,055	32.51 %
<b>Total IPP</b>	<b>204,606</b>	<b>63.32 %</b>
Co-Gen	2,057	0.64 %
<b>Total Co-Gen</b>	<b>2,057</b>	<b>0.64 %</b>
<b>Total Generation</b>	<b>323,691</b>	<b>100.17 %</b>
PLTG	-168	-0.05 %
HVDC	729	0.23 %
<b>Interconnection</b>	<b>561</b>	<b>0.17 %</b>
<b>Net Energy</b>	<b>323,130</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:	14:30:00 Hour
Total Set On Bus	16,472 MW
TNB Generation	5,638 MW
IPP Generation	9,827 MW
Spinning Reserve	923 MW
Maximum Demand	15,506 MW
Net Energy	323,130 MWH
Load Factor	86.83 %

**Fuel Cost**

Total Cost:	50,364,425.76 RM
Cost per Unit	16.11 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	345
Hydro	249
Syncon	290
Thermal	27
<b>Total</b>	<b>911</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

**Gas Usage**

Station	(mmscfd)
CBPS	26
CBPS	58
GLGR	55
PGPS	51
SRDG	40
TJGS	221
<b>Total TNB</b>	<b>451</b>
KLPP	113
MPSS	58
PDPS	34
PGLA	90
PKLG	5
PLPS	101
PTEK	27
SGB3	61
SGRI	170
SKSP	40
YPGS	70
YPKA	69
<b>Total IPP</b>	<b>838</b>
<b>Total Gas</b>	<b>1,290</b>
<b>Total Gas Required</b>	<b>1,290</b>

**Alternate Fuel Usage**

Station	(mmscfd)
<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	12419	11766	11479	11208	10957	10861	11178	11310	11882	13747	14568	15160	15102	14691	15316	15366	15445	15110	14023	14286	14781	14534	14082	13557

Prepared By: Muhamad Izwan

Checked By: Siti Nurhamizatul Aini

Printed on: Thursday, November 20, 2014 8:14:08 AM

 (Gurcharan Singh)  
 Pengurus Besar Kanan  
 Jabatan Sistem Operasi

### Daily MW Generation on Wednesday

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	705	702	702	599	602	647	703	703	703	701	702	703	703	703	703	701	697	699	697	700	702	701	700	702	699	698	705	702	704	700	704	696	702																		
JMIG	U001	688	678	681	678	593	594	597	583	634	683	684	682	684	684	684	684	685	685	686	690	683	685	685	686	683	683	688	685	690	684	684	689	683	682	683	686	683	684	684	684	683	680	686								
JMIG	U002	662	662	666	662	667	668	663	665	663	666	667	663	643	643	645	647	644	645	645	645	648	644	643	647	648	645	642	645	643	643	640	642	647	646	642	645	642	645	646	645	636	643	644	645	639	645	643	651			
JMIG	U003	640	639	641	620	620	621	621	623	621	618	621	623	631	598	598	605	600	603	600	600	599	596	605	600	604	607	603	601	601	600	598	602	601	602	601	610	598	607	601	602	601	601	600	597	602	601	601	601			
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	0	0	0	0	0	0	0	0	0	0	0	0	0		
PKLG	U003	282	281	281	283	283	283	281	280	283	281	281	283	285	283	282	283	283	281	280	280	282	280	280	280	280	281	282	282	282	282	280	282	282	280	282	282	280	283	282	281	282	281	281	281	281	281	281	281	279		
PKLG	U004	284	284	280	280	282	282	280	280	282	280	282	280	282	280	281	282	282	282	280	281	282	282	280	281	285	279	279	281	283	281	280	281	283	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	284	
PKLG	U005	471	471	471	471	474	471	468	468	465	469	469	469	473	466	466	466	466	466	466	470	470	470	470	470	470	470	470	470	469	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466			
PKLG	U006	330	330	330	330	330	330	330	330	330	330	333	331	331	331	332	332	333	327	332	332	329	329	326	333	327	327	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	332		
TBIN	U001	697	699	697	698	696	696	697	697	693	696	696	696	696	696	698	697	696	699	694	689	697	697	696	698	699	694	698	697	697	694	695	695	697	699	698	698	696	697	694	696	693	696	696	696	696	696	696	696	696		
TBIN	U002	698	700	696	697	699	690	699	698	687	696	695	697	699	702	700	696	701	699	696	697	700	691	696	701	700	692	689	690	703	700	695	698	699	699	699	700	695	702	700	690	694	701	699	692	695	699	696	697	696		
TBIN	U003	696	682	690	694	687	694	692	690	690	699	697	699	701	698	698	696	695	697	699	701	693	698	691	700	712	696	694	698	694	693	695	697	694	694	680	700	697	697	700	697	696	696	693	696	696	700	696	693			
Total ST-Coal		6153	6128	6135	6012	5933	5976	6033	6017	6049	6121	6122	6130	6122	6103	6094	6088	6089	6096	6086	6090	6079	6109	6082	6094	6097	6104	6077	6068	6088	6075	6062	6079	6088	6077	6083	6089	6109	6124	6161	6211	6193	6243	6252	6282	6369	6330	6331	6385			
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		
CBPS	GT1A	87	87	87	88	87	87	87	88	88	87	87	87	88	87	87	97	98	98	98	98	98	98	98	98	95	97	97	94	94	95	96	96	96	96	96	96	98	98	98	98	97	97	98	98	98	98	98	98	87		
CBPS	GT1B	88	89	88	88	89	88	88	88	88	88	89	88	88	89	88	99	97	97	97	97	97	94	95	95	96	93	94	93	94	95	95	95	95	95	95	96	97	97	99	98	98	98	99	98	98	99	99	99	99	99	81
CBPS	ST1C	92	90	90	89	89	89	89	90	90	89	89	90	89	89	90	89	102	104	104	104	105	103	104	102	102	101	100	100	98	100	101	100	101	100	101	100	102	102	103	104	104	104	104	104	104	105	105	105	105	72	
GLGR	GT01	112	112	68	74	74	73	73	72	73	74	75	73	73	73	74	113	112	112	111	111	111	110	111	111	110	110	108	108	108	109	109	109	110	110	110	110	83	84	110	110	111	111	111	111	111	111	111	111	111		
GLGR	GT02	113	113	68	73	73	73	73	73	74	74	74	73	73	73	74	114	112	112	110	111	111	110	111	111	111	110	110	109	110	110	110	110	110	110	110	81	85	111	111	111	111	111	111	111	111	111	111	111	112		
GLGR	ST1C	101	101	71	60	61	60	60	60	60	60	60	59	59	61	60	60	89	100	100	101	100	101	101	101	100	100	100	100	100	100	100	100	100	100	100	100	83	65	97	100	100	100	101	100	101	101	101	101			
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	13	13	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	0	0	0	
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	9	9	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	17	17	0	0	0
KLPP	GT13	110	110	110	110	110	110	110	110	72	72	72	72	72	72	72	136	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	
KLPP	GT14	139	138	139	128	108	107	78	78	78	78	78	78	78	78	111	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149		
KLPP	GT15	142	142	142	138	114	114	80	76	76	76	76	76	76	77	77	76	113	141	141	146	146	148	148	148	146	146	146	146	146	146	146	146	146	146	146	147	147	147	147	147	147	147	147	147	147	147	147	146	146		
KLPP	ST17	194	194	194	192	182	182	160	143	142	142	142	142	142	142	142	143	183	203	221	226	230	230	230	230	230	230	230	230	230	230	232	230	232	230	230	229	229	228	209	218	230	228	228	230	218	205	205	205	205		
MPSS	GT01	108	108	68	69	69	70	70	68	70	69	70	68	68	70	69	69	109	107	107	106	106	105	105	105	105	103	103	102	102	102	102	103	103	104	102	104	104	104	104	104	104	105	105	106	106	108	107	107	107		
MPSS	GT02	111	111	71	72	71	73	72	71	72	73	71	70	73	73	73	72	108	112	110	111	110	109	109	109	109	108	108	108	108	107	107	107	108	109	107	109	107	109	109	109	109	109	110	111	111	111	111	111	111	111	112
MPSS	ST01	116	116	76	63	63	63	62	62	62	62	62	62	62	62	62	101	114	109	101	101	101	101	101	101	101	101	100	100	100	99	99	99	99	99	114	114	115	115	115	115	115	116	116	116	116	116	116	117			
PGLA	GT11	168	168	233	234	233	234	234	234	234	234	234	233	178	173	178	210	232	232	175	175	229	228	228	226	22																										



### Daily MW Generation on Wednesday

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	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	50	50	50	50	50	49	50	49	50	50	50	49	50	30	0	0	0	0	0	0	30	30	30	14	0	0	0	0	0	0				
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	30	0	0	0	0	0	0	30	30	30	30	0	0	0	0	0	0			
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	50	50	50	50	50	50	50	50	50	50	50	49	50	49	30	0	0	0	0	0	0	30	30	30	30	0	0	0	0	0	0			
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	16	16	16	16	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		
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	16	16	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	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	16	16	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	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	16	16	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	
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	-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	-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	35	33	34	30	34	33	30	31	30	32	34	33	41	33	30	32	33	32	38	33	40	38	33	33	33	33	33	35	38	33	34	33	32	32	26	31	22	44	46	48	43	45	34	41	38	45	34	33		
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	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	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>232</b>	<b>208</b>	<b>205</b>	<b>200</b>	<b>219</b>	<b>175</b>	<b>221</b>	<b>192</b>	<b>170</b>	<b>174</b>	<b>195</b>	<b>179</b>	<b>225</b>	<b>194</b>	<b>173</b>	<b>178</b>	<b>182</b>	<b>182</b>	<b>347</b>	<b>453</b>	<b>599</b>	<b>731</b>	<b>883</b>	<b>873</b>	<b>895</b>	<b>623</b>	<b>475</b>	<b>768</b>	<b>686</b>	<b>878</b>	<b>806</b>	<b>757</b>	<b>790</b>	<b>731</b>	<b>577</b>	<b>535</b>	<b>343</b>	<b>375</b>	<b>587</b>	<b>719</b>	<b>716</b>	<b>719</b>	<b>737</b>	<b>661</b>	<b>549</b>	<b>208</b>	<b>181</b>	<b>180</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>	<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>	<b>0</b>	<b>0</b>		
PCUF	CUFG	50	48	49	49	49	49	48	49	47	49	48	48	48	49	49	49	50	51	49	51	49	48	51	49	49	50	51	51	50	49	51	52	51	52	51	52	51	52	51	52	51	53	52	53	52	53	50	50		
PCUF	CUFK	36	36	35	37	36	36	37	36	35	36	35	37	36	37	37	37	36	37	35	37	36	36	35	36	35	35	32	31	34	35	34	33	33	34	34	34	36	34	37	37	38	38	36	37	38	37	34	38		
<b>Total Co-Gen</b>		<b>86</b>	<b>84</b>	<b>84</b>	<b>86</b>	<b>85</b>	<b>85</b>	<b>85</b>	<b>85</b>	<b>82</b>	<b>85</b>	<b>83</b>	<b>85</b>	<b>84</b>	<b>86</b>	<b>86</b>	<b>86</b>	<b>86</b>	<b>88</b>	<b>84</b>	<b>88</b>	<b>85</b>	<b>84</b>	<b>86</b>	<b>85</b>	<b>84</b>	<b>85</b>	<b>83</b>	<b>82</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>85</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>85</b>	<b>88</b>	<b>86</b>	<b>88</b>	<b>89</b>	<b>89</b>	<b>91</b>	<b>88</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>84</b>	<b>88</b>		
<b>Total Gen</b>		<b>12456</b>	<b>12152</b>	<b>11850</b>	<b>11596</b>	<b>11486</b>	<b>11306</b>	<b>11238</b>	<b>11040</b>	<b>11055</b>	<b>10940</b>	<b>10855</b>	<b>10936</b>	<b>11129</b>	<b>11488</b>	<b>11332</b>	<b>11320</b>	<b>11818</b>	<b>12929</b>	<b>13694</b>	<b>14124</b>	<b>14535</b>	<b>14841</b>	<b>15135</b>	<b>15181</b>	<b>15105</b>	<b>14869</b>	<b>14732</b>	<b>15040</b>	<b>15261</b>	<b>15549</b>	<b>15404</b>	<b>15488</b>	<b>15427</b>	<b>15427</b>	<b>15220</b>	<b>14705</b>	<b>14087</b>	<b>13789</b>	<b>14346</b>	<b>14963</b>	<b>14825</b>	<b>14775</b>	<b>14598</b>	<b>14423</b>	<b>14156</b>	<b>13821</b>	<b>13552</b>	<b>13214</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	0	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	31	31	31	31	31	30	30	30	30	31	31	30	30	31	31	29	29	31	31	31	31	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	30	
TIE-PLTG		8	28	54	13	-24	10	-1	34	67	14	-36	-31	-79	-35	-9	10	-94	-76	-84	-47	-62	1	-56	-16	-28	-16	11	18	-84	12	8	15	-48	-58	80	64	33	-41	29	22	12	27	34	58	45	-25	-35	-59		
Interconnection		37	59	84	44	7	41	30	65	98	44	-6	-1	-49	-4	22	40	-64	-45	-53	-17	-33	32	-25	14	3	14	41	48	-55	42	38	45	-18	-27	110	94	64	-10	60	53	44	57	64	88	74	5	-5	-29		
<b>System Total</b>		<b>12419</b>	<b>12093</b>	<b>11766</b>	<b>11552</b>	<b>11479</b>	<b>11265</b>	<b>11208</b>	<b>10975</b>	<b>10957</b>	<b>10896</b>	<b>10861</b>	<b>10937</b>	<b>11178</b>	<b>11492</b>	<b>11310</b>	<b>11280</b>	<b>11882</b>	<b>12974</b>	<b>13747</b>	<b>14141</b>	<b>14568</b>	<b>14809</b>	<b>15160</b>	<b>15167</b>	<b>15102</b>	<b>14855</b>	<b>14691</b>	<b>14992</b>	<b>15316</b>	<b>15507</b>	<b>15366</b>	<b>15443</b>	<b>15445</b>	<b>15454</b>	<b>15110</b>	<b>14611</b>	<b>14023</b>	<b>13799</b>	<b>14286</b>	<b>14910</b>	<b>14781</b>	<b>14718</b>	<b>14534</b>	<b>14335</b>	<b>14082</b>	<b>13816</b>	<b>13557</b>	<b>13243</b>		
SRev ST-Coal		51	76	69	160	83	-22	21	37	5	23	22	14	22	1	10	16	15	8	18	14	25	65	92	80	7	0	27	36	16	29	42	25	16	27	21	15	95	80	43	3	49	21	27	22	17	42	55	1		
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	0	0	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		285	468	544	672	721	900	1071	1224	1216	1410	1515	1428	1272	865	991	1352	1142	491	167	210	221	336	155	178	215	187	185	171	180	225	198	170	274	300	347	334	468	820	540	148	214	347	484	388	487	124	361	533		
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	0	0	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		-10	-8	-8	-10	-9	-9	-9	-9	-6	-9	-7	-9	-8	-10	-10	-10	-10	-12	-8	-12	-9	-8	-10	-9	-8	-9	-7	-6	-8	-8	-9	-9	-8	-9	-10	-9	-12	-10	-12	-13	-13	-15	-12	-14	-14	-14	-8	-12		
Syncon		573	724	724	724	724	724	573	724	724	724	724	724	724	724	724	724	724	724	724	724	573	321	271	271	271	573	724	422	422	271	271	271	271	271	271	423	573	189	271	271	189	189	189	340	724	724	724	724		
Hydro		220	93	96	101	82	126	80	259	130	127	106	122	75	111	131	127	123	122	57	92	97	217	265	275	254	224	221	230	213	171	243	292	255	313	317	359	99	77	168	335	338	337	419	345	306	95	122	123		
<b>S.Reserve Total</b>		<b>1119</b>	<b>1353</b>	<b>1425</b>	<b>1647</b>	<b>1681</b>	<b>1719</b>	<b>1887</b>	<b>2084</b>	<b>2069</b>	<b>2275</b>	<b>2360</b>	<b>2279</b>	<b>2085</b>	<b>1691</b>	<b>1846</b>	<b>2209</b>	<b>1994</b>	<b>1333</b>	<b>1141</b>	<b>1084</b>	<b>1005</b>	<b>1029</b>	<b>885</b>	<b>925</b>	<b>932</b>	<b>1082</b>	<b>12</b>																							