

## Daily System Generation Summary on Wednesday

Wednesday, January 13, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,520 MW
Hydro	2,122 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,032 MW</b>
<b>Total IPP</b>	<b>9,801 MW</b>
<b>Total Co-Gen</b>	<b>28 MW</b>
<b>Total System</b>	<b>17,861 MW</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:	16:00:00 Hour
Total Set On Bus	18,045 MW
TNB Generation	6,525 MW
IPP Generation	10,174 MW
Spinning Reserve	1,321 MW
Maximum Demand	16,738 MW
Net Energy	351,220 MWH
Load Factor	87.43 %

### Gas Usage

Station	(mmscfd)
CBPS	11
CBPS	67
GLGR	54
PAKA	178
PGPS	42
SRDG	33
TJGS	157
<b>Total TNB</b>	<b>541</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	62,849	17.89 %
Gas	69,118	19.68 %
Hydro	9,971	2.84 %
<b>Total TNB</b>	<b>141,938</b>	<b>40.41 %</b>
ST-Coal	111,359	31.71 %
ST-Gas	10,058	2.86 %
Gas	86,856	24.73 %
<b>Total IPP</b>	<b>208,273</b>	<b>59.30 %</b>
Co-Gen	642	0.18 %
<b>Total Co-Gen</b>	<b>642</b>	<b>0.18 %</b>
<b>Total Generation</b>	<b>350,853</b>	<b>99.90 %</b>
PLTG	337	0.10 %
EGAT	-4	0.00 %
HVDC	-700	-0.20 %
<b>Interconnection</b>	<b>-367</b>	<b>-0.10 %</b>
<b>Net Energy</b>	<b>351,220</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	441
Hydro	508
Syncon	601
Thermal	71
<b>Total</b>	<b>1,621</b>

Time	Weather	Temperature
Afternoon	Hot	31
Morning	Sunny	28

KLPP	100
MPSS	30
PDPS	45
PGLA	112
PKLG	14
PLPS	91
PTEK	19
SGB3	67
SGRI	179
SKSP	39
PKLG	100
<b>Total IPP</b>	<b>795</b>
<b>Total Gas</b>	<b>1,336</b>

**Total Gas Required 1,336**

### 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	14071	13266	12807	12528	12232	12036	12262	12200	12571	14264	15370	16158	16194	15841	16347	16707	16738	16414	15248	14758	15983	15966	15508	15088

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Checked By: -Select Name-

Printed on: Thursday, January 14, 2016 2:17:45 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
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
MNOR	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
PGAU	HY01	21	19	19	20	20	20	20	19	21	20	18	20	20	20	21	20	21	21	21	21	21	21	21	21
PGAU	HY02	-1	-1	-1	20	20	20	19	19	20	18	20	20	20	23	21	21	21	21	21	21	21	21	21	21
PGAU	HY03	-1	17	-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	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY01	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	
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	
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	
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	
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	
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	
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	
TMGR	HY02	34	26	26	32	28	32	28	30	24	23	25	35	34	32	28	32	34	23	36	31	34	35	82	
TMGR	HY03	0	0	0	0	0	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	
UPLA	HY01	5	5	5	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	
<b>Total Hydro</b>		<b>241</b>	<b>229</b>	<b>208</b>	<b>230</b>	<b>215</b>	<b>233</b>	<b>215</b>	<b>201</b>	<b>215</b>	<b>201</b>	<b>196</b>	<b>206</b>	<b>231</b>	<b>239</b>	<b>226</b>	<b>212</b>	<b>233</b>	<b>241</b>	<b>270</b>	<b>272</b>	<b>310</b>	<b>477</b>	<b>550</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	4	3	3	4	3	4	4	3	4	3	5	3	3	4	4	4	4	5	3	2	4	3	2	
PCUF	CUFK	25	26	26	26	27	27	27	26	25	26	26	27	27	25	25	27	26	26	24	23	24	22	22	
<b>Total Co-Gen</b>		<b>29</b>	<b>29</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>31</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>29</b>	<b>29</b>	<b>31</b>	<b>27</b>	<b>25</b>	<b>23</b>	<b>24</b>	<b>22</b>	<b>21</b>	<b>23</b>	
<b>Total Gen</b>		<b>14016</b>	<b>13592</b>	<b>13315</b>	<b>13120</b>	<b>12799</b>	<b>12737</b>	<b>12522</b>	<b>12259</b>	<b>12253</b>	<b>12120</b>	<b>12057</b>	<b>12086</b>	<b>12231</b>	<b>12402</b>	<b>12186</b>	<b>12000</b>	<b>12569</b>	<b>13608</b>	<b>14238</b>	<b>14820</b>	<b>15340</b>	<b>15714</b>	<b>16056</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	
TIE-HVDC		-30	-30	-30	-31	-32	-31	-31	-31	-30	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	
TIE-PLTG		-25	-3	79	17	24	-12	25	3	51	62	52	60	0	-23	17	27	29	7	8	-45	0	-65		
Interconnection		-55	-33	49	-14	-8	-42	-6	-28	21	30	21	30	-31	-54	-14	-5	-2	-26	-26	-75	-30	-96		
<b>System Total</b>		<b>14071</b>	<b>13625</b>	<b>13266</b>	<b>13134</b>	<b>12807</b>	<b>12779</b>	<b>12528</b>	<b>12287</b>	<b>12232</b>	<b>12090</b>	<b>12026</b>	<b>12056</b>	<b>12262</b>	<b>12456</b>	<b>12200</b>	<b>12005</b>	<b>12571</b>	<b>13634</b>	<b>14264</b>	<b>14895</b>	<b>15370</b>	<b>15810</b>	<b>16158</b>	
SRev ST-Coal		92	78	125	94	85	113	116	277	286	295	293	286	271	257	273	281	266	227	115	173	83	-28		
SRev CCGT-Gas		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		463	595	784	676	991	1064	1258	1346	1357	1464	1527	1513	1409	1261	1446	1610	1519	1100	681	341	408	390		
SRev ST-Gas		82	76	75	75	75	75	74	74	75	75	75	75	74	74	74	74	79	23	6	1	-1	-2		
SRev Co-Gen		-1	-1	-1	-2	-2	-3	-3	-2	-2	0	-3	-1	-2	-3	-1	-1	-3	-2	-3	1	3	0		
Syncon		802	651	802	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	
Hydro		373	536	406	385	400	389	400	414	400	414	419	409	391	376	389	403	382	374	445	393	590	623		
S.Reserve Total		1811	1935	1191	1879	2200	2289	2497	2760	2766	2899	2962	2933	2795	2617	2833	3018	2889	2424	1963	1633	1814	1659		