

## Daily System Generation Summary on Thursday

Thursday, August 04, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,589 MW
Hydro	2,053 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,642 MW</b>
<b>Total IPP</b>	<b>14,916 MW</b>
<b>Total Co-Gen</b>	<b>20 MW</b>
<b>Total System</b>	<b>20,578 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	56,099	15.91 %
Hydro	17,354	4.92 %
<b>Total TNB</b>	<b>73,453</b>	<b>20.83 %</b>
ST-Coal	181,934	51.59 %
ST-Gas	218	0.06 %
Gas	97,615	27.68 %
<b>Total IPP</b>	<b>279,767</b>	<b>79.33 %</b>
Co-Gen	320	0.09 %
<b>Total Co-Gen</b>	<b>320</b>	<b>0.09 %</b>
<b>Total Generation</b>	<b>353,540</b>	<b>100.24 %</b>
PLTG	139	0.04 %
HVDC	723	0.21 %
<b>Interconnection</b>	<b>862</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>352,678</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	17,850 MW
TNB Generation	4,140 MW
IPP Generation	12,541 MW
Spinning Reserve	1,155 MW
Maximum Demand	16,699 MW
Net Energy	352,678 MWH
Load Factor	88.00 %

### Fuel Cost

Total Cost:	45,049,219.65 RM
Cost per Unit	13.40 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	496
Hydro	318
Syncon	382
Thermal	197
<b>Total</b>	<b>1,393</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	32
PAKA	74
PGPS	41
SRDG	7
TJGS	214
<b>Total TNB</b>	<b>426</b>

CBPS	50
KLPP	94
MPSS	57
NPRI	140
PDPS	6
PGLA	111
PKLG	2
PLPS	90
PTEK	11
SGRI	186
SKSP	0
PKLG	2
<b>Total IPP</b>	<b>749</b>

<b>Total Gas</b>	<b>1,175</b>
<b>Total Gas Required</b>	<b>1,175</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	14321	13663	13194	12689	12427	12350	12544	12517	12702	14341	15477	15990	15978	15689	16287	16557	16612	16293	15006	14755	15921	15943	15473	15173

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Pengurus Besar Kanan  
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**Daily MW Generation on Thursday**

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
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	-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	HY02	33	33	34	34	36	33	25	35	34	37	35	36	36	32	34	36	37	36	32	36	84	82	82	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	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
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		169	170	169	170	174	369	381	399	419	408	401	402	403	420	398	397	407	403	378	401	634	1036	1117	1140
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
PCUP	CUFK	13	15	12	14	15	13	14	14	12	13	14	14	13	13	13	13	14	12	13	13	13	14	13	14
Total Co-Gen		13	15	12	14	15	13	14	14	12	13	14	14	13	13	13	14	13	14	13	13	14	13	12	13
Total Gen		14370	14037	13708	13511	13207	13028	12757	12626	12466	12424	12381	12398	12587	12721	12585	12303	12713	13828	14327	14964	15336	15887	16021	16153
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		30	30	30	30	29	29	31	31	31	31	30	30	30	30	31	31	31	31	30	30	30	30	30	30
TIE-PLTG		19	-14	15	-28	-16	11	37	-12	8	41	1	-38	12	33	37	0	-18	-2	-44	-18	28	-12	1	-2
Interconnection		49	15	45	2	13	40	68	18	39	72	31	-8	43	63	68	31	11	28	-14	12	59	19	31	28
System Total		14321	14022	13663	13508	13194	12988	12689	12608	12427	12352	12350	12406	12544	12658	12517	12272	12702	13800	14341	14952	15477	15868	15990	16125
SRev ST-Coal		183	165	172	181	180	181	212	189	180	288	295	285	288	288	85	93	205	210	187	187	168	183	189	180
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	0	0
SRev CCGT-Gas		833	397	575	766	1076	1447	1700	1872	2059	2003	2013	2007	1815	1698	1815	2088	1576	1066	933	636	317	353	475	378
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
SRev Co-Gen		7	5	8	6	5	7	6	6	8	7	6	6	7	7	6	7	7	6	8	7	7	6	7	6
Syncon		961	961	961	810	810	631	608	759	608	759	759	759	759	759	759	759	748	748	453	453	519	453	453	453
Hydro		125	124	125	125	121	127	266	97	228	88	95	94	93	227	98	99	89	93	118	96	48	216	230	261
S.Reserve Total		2109	1652	1841	1888	2182	2383	2792	2923	3083	3125	3168	3151	2962	2828	2764	3046	2636	2135	2083	1675	1288	1212	1390	1378