

## Daily System Generation Summary on Wednesday

Wednesday, October 05, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,973 MW
Hydro	2,296 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,269 MW</b>
<b>Total IPP</b>	<b>13,707 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,976 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	64,263	18.09 %
Hydro	10,596	2.98 %
<b>Total TNB</b>	<b>74,859</b>	<b>21.07 %</b>
ST-Coal	175,780	49.47 %
ST-Gas	5,372	1.51 %
Gas	99,432	27.98 %
<b>Total IPP</b>	<b>280,584</b>	<b>78.97 %</b>
Co-Gen	428	0.12 %
<b>Total Co-Gen</b>	<b>428</b>	<b>0.12 %</b>
<b>Total Generation</b>	<b>355,871</b>	<b>100.15 %</b>
PLTG	-173	-0.05 %
HVDC	720	0.20 %
<b>Interconnection</b>	<b>547</b>	<b>0.15 %</b>
<b>Net Energy</b>	<b>355,324</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:	14:30:00 Hour
Total Set On Bus	18,500 MW
TNB Generation	4,024 MW
IPP Generation	12,789 MW
Spinning Reserve	1,670 MW
Maximum Demand	16,817 MW
Net Energy	355,324 MWH
Load Factor	88.04 %

### Fuel Cost

Total Cost:	48,657,774.80 RM
Cost per Unit	14.09 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	344
Hydro	324
Syncon	871
Thermal	141
<b>Total</b>	<b>1,680</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	197
SRDG	22
TJGS	216
<b>Total TNB</b>	<b>489</b>
CBPS	56
KLPP	85
MPSS	45
NPRI	132
PDPS	20
PGLA	55
PKLG	14
PLPS	94
PTEK	36
SGRI	181
SKSP	49
PKLG	53
<b>Total IPP</b>	<b>820</b>
<b>Total Gas</b>	<b>1,309</b>
<b>Total Gas Required</b>	<b>1,309</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	14439	13748	13341	12849	12561	12410	12484	12338	12959	14711	15635	16259	16314	15924	16559	16749	16757	16275	15149	15264	15929	15835	15319	14922

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Daily MW Generation on Wednesday

Table with columns for Station, Unit, and hourly MW generation from 0000 to 2300. Rows include various power stations like SGRI, TJGS, PDPF, BSIA, CEND, HTRG, KNRG, KNYR, KNYR, LPIA, MNOR, PGAU, and SIHY.

**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	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
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
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	HY02	31	37	35	36	33	33	33	35	35	34	34	34	35	36	32	33	27	35	34	35	55	62	60	63
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
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	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
UJLI	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
UJLI	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
Total Hydro		200	223	155	156	155	177	154	157	156	155	156	156	157	153	154	146	160	284	441	579	611	750	905	852
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
PCUF	CUPK	19	18	15	17	18	17	18	18	18	17	18	18	17	19	18	17	19	19	17	18	18	18	18	18
Total Co-Gen		19	18	15	17	18	17	18	18	18	17	18	18	17	19	18	18	18	18	17	19	17	19	16	18
Total Gen		14456	14093	13788	13566	13376	13114	12884	12702	12579	12453	12432	12396	12536	12713	12369	12324	13003	13912	14674	15275	15676	15975	16259	16447
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	31	31	30	30	30	30	29	30	30	30	31	31	31	31	31	30	30	30	30	30	30
TIE-PLTG		-13	21	12	-1	5	11	4	15	-13	-28	-8	-8	22	6	0	-3	13	-23	-69	-17	11	-48	-31	-42
Interconnection		17	51	41	30	35	41	34	45	17	3	21	22	51	36	30	28	43	8	-38	13	40	-18	-1	-12
System Total		14439	14042	13748	13566	13341	13073	12849	12656	12561	12449	12410	12373	12484	12676	12338	12285	12959	13903	14711	15261	15635	15692	16259	16458
SRev ST-Coal		134	136	143	132	130	131	135	139	136	130	135	137	129	128	136	136	130	137	134	134	136	137	126	149
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
SRev CCGT-Gas		306	467	651	850	1072	1354	1558	1739	1864	1995	2011	2046	1914	1738	2072	2117	1834	1283	654	253	470	244	137	123
SRev ST-Gas		6	40	38	37	37	37	37	37	37	37	37	37	37	37	37	37	40	14	8	2	2	3	3	3
SRev Co-Gen		1	2	5	3	2	3	2	2	2	2	3	2	2	3	1	2	3	1	3	2	1	2	2	2
Syncon		1073	1073	1174	1174	1174	1023	1325	1325	1325	1325	1325	1325	1325	1325	1325	1325	1174	1123	913	913	827	676	827	827
Hydro		189	166	133	132	133	262	134	131	132	133	132	132	131	135	134	142	128	255	299	371	339	334	430	332
S.Reserve Total		1714	1889	2149	2333	2533	2815	3196	3378	3501	3627	3648	3684	3541	3367	3711	3756	3274	2888	2226	1883	1936	1782	1515	1427