

## Daily System Generation Summary on Tuesday

Tuesday, September 23, 2014

### Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,134 MW
Hydro	1,849 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,053 MW</b>
<b>Total IPP</b>	<b>9,762 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>17,815 MW</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	43,149	12.86 %
Gas	81,061	24.15 %
Hydro	11,816	3.52 %
<b>Total TNB</b>	<b>136,026</b>	<b>40.53 %</b>
ST-Coal	91,601	27.29 %
ST-Gas	4,741	1.41 %
ST-Oil	941	0.28 %
Gas	101,234	30.16 %
<b>Total IPP</b>	<b>198,517</b>	<b>59.15 %</b>
Co-Gen	1,637	0.49 %
<b>Total Co-Gen</b>	<b>1,637</b>	<b>0.49 %</b>
<b>Total Generation</b>	<b>336,180</b>	<b>100.17 %</b>
PLTG	-175	-0.05 %
HVDC	731	0.22 %
<b>Interconnection</b>	<b>556</b>	<b>0.17 %</b>
<b>Net Energy</b>	<b>335,624</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	17,281 MW
TNB Generation	7,079 MW
IPP Generation	9,102 MW
Spinning Reserve	1,036 MW
Maximum Demand	16,175 MW
Net Energy	335,624 MWH
Load Factor	86.46 %

### Fuel Cost

Total Cost:	63,112,546.91 RM
Cost per Unit	19.46 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	187
Hydro	252
Syncon	455
Thermal	38
<b>Total</b>	<b>932</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	47
CBPS	60
GLGR	59
PAKA	132
PGGS	14
PGPS	53
SRDG	72
TJGS	219
<b>Total TNB</b>	<b>658</b>

KLPP	97
MPSS	60
PDPS	56
PKLG	19
PLPS	117
PTEK	57
SGRI	235
SKSP	60
YPGS	70
YPKA	64
PKLG	47
<b>Total IPP</b>	<b>881</b>
<b>Total Gas</b>	<b>1,538</b>

**Total Gas Required** 1,547

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	9
<b>Total</b>	<b>9</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	13342	12674	12212	11836	11619	11419	11762	11511	12124	14136	14914	15621	15631	15334	15859	16120	16124	15761	14451	14329	15055	14982	14320	13918





### Daily MW Generation on Tuesday

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
CEND	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
KNRG	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
KNRG	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
KNRG	HY03	21	21	22	21	24	21	22	21	22	20	23	25	25	21	22	22	23	23	22	21	38	37	37	37
KNYR	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
KNYR	HY02	100	99	100	88	100	62	64	64	85	60	100	100	100	61	70	71	84	100	91	61	65	100	60	
KNYR	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
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	15	16	15	15	15	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
LPIA	HY02	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	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	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
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	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	76	75	78	69	81	69	78	76	65	62	67	71	73	62	32	32	32	33	32	31	29	32	30	82
TMGR	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
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
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
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		250	249	253	231	258	206	217	214	225	195	245	251	360	199	181	191	205	222	322	261	433	472	601	819
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	CUFG	43	42	41	41	42	41	43	43	42	41	42	41	42	43	41	43	41	43	41	42	40	40	40	39
PCUF	CUFK	33	30	32	29	30	33	32	31	33	34	33	29	29	32	31	32	32	31	29	29	27	26	27	25
Total Co-Gen		76	72	73	70	72	74	75	74	75	75	70	71	75	72	75	73	74	70	71	67	66	67	64	63
Total Gen		13389	13018	12679	12449	12102	12007	11867	11719	11613	11482	11437	11411	11640	11934	11685	11705	12181	12302	14165	14600	15016	15362	15660	15916
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		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
TIE-PLTG		17	15	-25	-20	-141	-21	0	-16	-37	27	-13	-139	-133	23	144	-35	28	-39	-2	16	73	-76	8	
Interconnection		47	46	5	11	-110	11	31	15	-6	57	18	-109	-122	53	174	-5	57	-7	29	45	102	-45	39	
System Total		13342	12972	12674	12438	12212	11996	11836	11704	11619	11425	11419	11520	11762	11881	11511	11710	12124	13099	14136	14555	14914	15407	15621	15928
SRev ST-Coal		27	200	204	200	205	219	191	279	278	280	202	192	193	207	196	58	42	29	32	35	33	26	28	19
SRev 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
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		53	51	68	145	213	104	242	262	365	485	690	729	728	584	1031	1296	1030	132	118	230	104	113	101	
SRev ST-Gas		-2	-2	-2	4	41	38	37	37	37	37	37	37	37	37	37	37	39	25	16	10	4	0	-2	
SRev Co-Gen		0	4	3	6	4	2	1	2	1	1	1	6	5	1	4	1	3	2	6	5	9	10	9	
Syncon		719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719
Hydro		74	75	71	93	66	118	107	110	99	129	79	73	113	125	143	133	119	102	153	214	218	178	199	
S.Reserve Total		871	1047	1063	1167	1248	1260	1297	1409	1499	1651	1728	1756	1646	1673	2130	2244	1952	1047	895	1152	1085	1161	1098	