

## Daily System Generation Summary on Tuesday

Tuesday, October 14, 2014

### Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,132 MW
Hydro	1,638 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,840 MW</b>
<b>Total IPP</b>	<b>10,709 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,549 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:	14:30:00 Hour
Total Set On Bus	16,932 MW
TNB Generation	6,781 MW
IPP Generation	9,116 MW
Spinning Reserve	995 MW
Maximum Demand	16,048 MW
Net Energy	333,345 MWH
Load Factor	86.55 %

### Gas Usage

Station	(mmscfd)
CBPS	26
CBPS	58
GLGR	57
PAKA	122
PGPS	44
SRDG	56
TJGS	215
<b>Total TNB</b>	<b>576</b>

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	84
<b>Total</b>	<b>84</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	53,584	16.07 %
Gas	72,968	21.89 %
Hydro	11,429	3.43 %
<b>Total TNB</b>	<b>137,981</b>	<b>41.39 %</b>
ST-Coal	98,094	29.43 %
ST-Gas	1,653	0.50 %
ST-Oil	8,733	2.62 %
Gas	84,090	25.23 %
<b>Total IPP</b>	<b>192,570</b>	<b>57.77 %</b>
Co-Gen	1,091	0.33 %
<b>Total Co-Gen</b>	<b>1,091</b>	<b>0.33 %</b>
<b>Total Generation</b>	<b>331,642</b>	<b>99.49 %</b>
PLTG	-999	-0.30 %
HVDC	-704	-0.21 %
<b>Interconnection</b>	<b>-1,703</b>	<b>-0.51 %</b>
<b>Net Energy</b>	<b>333,345</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	54,106,709.40 RM
Cost per Unit	16.90 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	289
Hydro	212
Syncon	375
Thermal	25
<b>Total</b>	<b>901</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	25

KLPP	114
MPSS	61
PDPS	32
PKLG	17
PLPS	103
PTEK	27
SGB3	37
SGRI	177
SKSP	56
YPKA	68
PKLG	17
<b>Total IPP</b>	<b>710</b>
<b>Total Gas</b>	<b>1,286</b>

**Total Gas Required 1,370**

### 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	13006	12329	12090	11657	11321	11318	11511	11449	12158	14018	14888	15511	15502	15174	15801	15990	15982	15383	14400	14539	15194	15084	14435	13888





**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
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	93	93	93	93	93	93	93	93	93	93	93	93	93
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	18	18	18	18	18	18	18	18	18	18	18	18	18	14	14	8	9	13	13	14	18	18	17	17
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	49	50	49	49	49	49	49	49	49	49	49	49	49
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	50	49	50	49	30	49	49	49	49	30	30	30	0
SYSP	HY01	16	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25
SYSP	HY02	16	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25
SYSP	HY03	16	0	0	0	0	0	0	0	0	0	0	6	25	25	25	25	25	25	25	25	25	25	25	25
SYSP	HY04	16	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25
TMGR	HY01	31	33	31	33	34	34	34	32	32	31	33	36	34	33	33	31	34	31	37	32	32	28	33	34
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
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
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		279	189	184	212	191	192	189	191	189	207	186	185	210	194	189	187	188	242	461	428	439	747	888	904
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	CUGF	10	10	10	10	9	9	8	9	10	10	11	10	11	10	9	11	9	8	8	10	8	7	8	7
PCUF	CUFK	32	34	35	35	36	36	34	35	35	36	36	37	36	34	37	36	36	35	32	31	33	33	33	30
Total Co-Gen		42	44	45	45	45	42	44	45	46	47	47	44	46	47	45	43	40	41	41	37	32	33	35	39
Total Gen		12975	12618	12256	12084	12037	11869	11575	11446	11251	11340	11270	11253	11392	11692	11378	11443	12068	13064	13931	14382	14829	15169	15428	15548
TIB-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
TIB-HVDC		-29	-30	-30	-28	-28	-30	-30	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIB-PLTG		-1	-9	-43	-25	-24	-44	-52	-56	-40	-5	-19	-42	-89	-93	-42	-39	-62	10	-57	-60	-30	-26	-54	-86
Interconnection		-31	-39	-73	-54	-53	-74	-82	-86	-70	-34	-48	-72	-119	-122	-71	-67	-90	-20	-87	-89	-59	-55	-83	-114
System Total		13006	12657	12329	12138	12090	11943	11657	11532	11321	11374	11318	11325	11511	11814	11449	11510	12158	13104	14018	14471	14888	15224	15511	15662
SRev ST-Coal		107	25	15	19	11	35	22	25	19	22	28	26	31	0	30	38	37	40	36	7	-14	47	41	-29
SRev ST-Oil		0	0	0	0	0	0	0	0	-11	-11	-11	-10	-10	-3	77	60	43	39	-6	-3	-3	-3	-5	-3
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	161	105	6	102	41	31	157	48	123	118
SRev CCGT-Gas		261	450	550	615	649	866	1178	1308	1508	1435	1480	1498	1378	1090	1364	1329	1085	530	227	157	156	161	161	173
SRev ST-Gas		-6	-6	-6	-6	-6	-3	-14	-14	-3	-3	-4	-4	-4	-4	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		34	32	31	31	31	34	32	31	30	29	29	32	30	29	31	33	36	35	35	36	35	39	44	43
Syncon		727	727	727	576	727	727	727	576	727	727	576	727	727	576	425	727	475	475	475	325	477	626	626	540
Hydro		179	119	124	247	117	116	119	117	119	252	122	123	249	114	119	121	120	217	249	307	119	163	160	144
S.Reserve Total		1302	1347	1441	1482	1529	1772	2066	2195	2390	2301	2371	2388	2349	1949	2263	2321	2058	1439	1173	1030	1026	981	995	915