

### Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,588 MW
Hydro	1,782 MW
Distillate	0 MW
Total TNB	<u>7,440 MW</u>
Total IPP	<u>10,227 MW</u>
Total Co-Gen	<u>81 MW</u>
Total System	<u>17,748 MW</u>

### Generation Mix

Type	MWh	Percentage
ST-Coal	49,103	14.58 %
Gas	64,597	19.17 %
Hydro	16,476	4.89 %
<b>Total TNB</b>	<b>130,176</b>	<b>38.64 %</b>
ST-Coal	89,952	26.70 %
ST-Gas	5,480	1.63 %
ST-Oil	188	0.06 %
Gas	110,303	32.74 %
<b>Total IPP</b>	<b>205,923</b>	<b>61.12 %</b>
Co-Gen	1,727	0.51 %
<b>Total Co-Gen</b>	<b>1,727</b>	<b>0.51 %</b>
<b>Total Generation</b>	<b>337,826</b>	<b>100.28 %</b>
PLTG	208	0.06 %
HVDC	729	0.22 %
Interconnection	937	0.28 %
<b>Net Energy</b>	<b>336,889</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	17,398 MW
TNB Generation	6,665 MW
IPP Generation	9,403 MW
Spinning Reserve	1,262 MW
Maximum Demand	16,194 MW
Net Energy	336,889 MWH
Load Factor	86.68 %

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	507
Hydro	383
Syncon	212
Thermal	75
<b>Total</b>	<b>1,177</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
CBPS	35
CBPS	59
GLGR	56
PAKA	1
PAKA	77
PGGS	23
PGPS	53
SRDG	60
TJGS	167
<b>Total TNB</b>	<b>533</b>
KLPP	123
MPSS	59
PDPS	37
PGLA	119
PKLG	18
PLPS	114
PTEK	33
SGB3	60
SGRI	193
SKSP	54
YPKA	69
PKLG	54
<b>Total IPP</b>	<b>932</b>
<b>Total Gas</b>	<b>1,465</b>
<b>Total Gas Required</b>	<b>1,466</b>

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	2
<b>Total</b>	<b>2</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	13470	12925	12441	12081	11812	11564	11932	11672	12334	14267	15210	15829	15699	15425	16027	16011	15797	15299	14281	14576	14791	14766	14237	13711





### 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
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	6	6	6	6	6	6	6	6	5	5	6	6	5	5	5	5	5	5	5	5	5	5	5	5
KNRG	HY01	23	24	26	25	23	23	25	26	24	24	23	25	27	26	23	25	29	24	22	25	21	23	23	21
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22	23	22	22	22	22	22
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	22	21	23	21	21	22	21	21
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	94	94	94	89	82	68	67	91	94
KNYR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	86	74	97	97	88	84	74	70	92
KNYR	HY03	60	61	67	86	60	61	81	98	59	61	57	93	98	99	57	99	99	63	57	94	85	62	66	90
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	56	67	61	95	95	83	93	92	59	56
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21	21	21	21
LPIA	HY02	12	12	13	12	12	12	12	12	13	12	12	12	12	12	12	12	12	12	12	12	12	15	15	15
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	8	8	8	8	8	8
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	22	114	113	113	112	82	81	82	80
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	25	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	112	112
PGAU	HY03	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-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	0	0	0	30	30	30	50	49	50	30	30	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	30	30	30	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	30	30	30	30	30
SIHY	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	30	30	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	16	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	16	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	16	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	16	0	0	0	0
TMGR	HY01	30	30	32	32	30	31	32	35	30	31	30	33	36	33	29	32	38	31	33	36	59	64	61	61
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	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
UPLA	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
UPLA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		211	213	224	241	211	213	235	277	211	214	207	248	285	277	205	253	288	259	843	840	1021	1241	1214	1156
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	36	37	37	38	38	42	42	39	42	41	40	43	41	41	42	43	40	41	39	37	34	37	35	34
PCUF	CUFK	35	34	35	35	36	36	35	35	35	34	34	34	36	35	35	33	35	31	30	29	29	26	27	31
Total Co-Gen		71	71	72	73	74	78	77	74	77	75	74	77	75	78	78	75	74	72	68	66	66	63	63	62
Total Gen		13569	13357	13038	12762	12562	12467	12276	12021	11879	11772	11676	11782	11923	11943	11755	11748	12280	13408	14319	14638	15261	15638	15953	16003
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	31	31	30	30	31	31	30	30	30	31	31	30	31	29	29	30	30	30	30	31	31	31	31
TIE-PLTG		69	156	82	124	91	48	164	84	37	45	81	-67	-40	-8	52	2	-85	18	22	-79	21	47	94	
Interconnection		99	187	113	154	121	79	195	115	67	75	112	-36	-9	22	83	33	-54	47	52	-49	51	77	124	
System Total		13470	13170	12925	12608	12441	12388	12081	11996	11812	11697	11564	11818	11932	11921	11672	11715	12334	13361	14267	14687	15210	15561	15829	15948
SRev ST-Coal		54	46	75	155	183	137	180	153	66	50	61	45	16	50	66	55	21	54	60	51	37	39	53	54
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 OCGT-Gas		123	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		342	279	441	367	360	538	709	1034	1204	1331	1382	1269	1164	1090	1193	1259	1101	364	331	261	325	294	400	306
SRev ST-Gas		5	5	5	5	5	14	17	13	4	1	17	39	37	36	38	38	40	36	16	14	10	8	7	4
SRev Co-Gen		10	10	9	8	7	3	4	7	4	6	7	4	6	6	3	3	6	7	9	13	15	18	18	19
Syncon		730	730	730	730	730	730	579	730	730	730	730	579	579	730	730	579	428	302	302	302	302	302	302	302
Hydro		114	112	102	84	114	112	90	199	114	112	119	77	191	199	120	72	188	368	634	637	456	236	263	321

**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																								
S.Reserve Total		1378	1182	1362	1349	1399	1554	1730	1985	2122	2230	2316	2164	1993	1960	2150	2157	1935	1257	1609	1290	1235	1204	1092	1151	1426	1529	1577	1401	1221	1262	1416	1305	1479	1204	1693	1522	1751	1840	1504	1237	1435	1490	1642	1422	1614	1196	1359	1447