

**Availability at Daily Maximum Demand Hour**

ST-Coal	1,430 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,899 MW
Hydro	1,760 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,089 MW</b>
<b>Total IPP</b>	<b>11,170 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,829 MW</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	42,088	13.36 %
Gas	50,701	16.09 %
Hydro	11,538	3.66 %
<b>Total TNB</b>	<b>104,327</b>	<b>33.12 %</b>
ST-Coal	119,731	38.01 %
Gas	91,210	28.95 %
<b>Total IPP</b>	<b>210,941</b>	<b>66.96 %</b>
Co-Gen	1,251	0.40 %
<b>Total Co-Gen</b>	<b>1,251</b>	<b>0.40 %</b>
<b>Total Generation</b>	<b>316,519</b>	<b>100.47 %</b>
PLTG	765	0.24 %
HVDC	726	0.23 %
<b>Interconnection</b>	<b>1,491</b>	<b>0.47 %</b>
<b>Net Energy</b>	<b>315,028</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	16,465 MW
TNB Generation	4,904 MW
IPP Generation	10,551 MW
Spinning Reserve	956 MW
Maximum Demand	15,480 MW
Net Energy	315,028 MWH
Load Factor	84.79 %

**Fuel Cost**
**Average Spinning Reserve During Peak Hour**

Type	MW
GT	387
Hydro	229
Syncon	320
Thermal	36
<b>Total</b>	<b>972</b>

Time	Weather	Temperature
Afternoon	Rainy	33
Morning	Sunny	27

**Gas Usage**

Station	(mmscfd)
CBPS	10
GLGR	57
PAKA	20
PGPS	44
SRDG	45
TJGS	210
<b>Total TNB</b>	<b>386</b>
KLPP	101
MPSS	41
PDPS	17
PGLA	107
PKLG	8
PLPS	97
PTEK	17
SGB3	46
SGRI	182
SKSP	34
YPGS	70
<b>Total IPP</b>	<b>721</b>
<b>Total Gas</b>	<b>1,107</b>
<b>Total Gas Required</b>	<b>1,107</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	11605	11372	10938	10525	10214	10158	10364	10675	11554	13414	14519	15220	15227	14839	15220	15330	15186	14952	13859	14133	14374	14140	13566	13120





### Daily MW Generation on Monday

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
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	-1	20	-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	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
TMGR	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
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	-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	29	34	34	25	33	24	32	32	21	33	31	36	40	35	33	36	35	38	30	37	78	78	77	78
UPIA	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
UPIA	HY02	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		214	243	221	209	219	208	218	218	203	240	217	245	261	244	217	224	223	339	434	576	938	799	876	908
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	17	17	18	18	16	18	19	18	18	19	19	18	18	18	17	19	20	21	20	20	19	19	20	21
PCUF	CUFK	31	33	32	33	31	32	33	34	33	32	33	33	31	32	33	34	34	34	34	33	33	33	32	32
Total Co-Gen		48	50	50	51	47	50	52	52	51	51	52	52	49	50	51	52	53	53	54	52	53	51	51	50
Total Gen		11735	11502	11392	11102	10945	10819	10578	10398	10271	10211	10182	10210	10443	10801	10799	11014	11618	12822	13470	14003	14626	15001	15327	15398
TIE-BGAT		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	31	31	30	30	31	31	31	29	29	30	29	29	31	29	31	29	30	31	31	29	29	31
TIE-PLTG		100	-15	-11	54	-23	72	23	65	26	7	-5	-59	49	39	94	50	35	82	27	13	77	13	77	
Interconnection		130	15	20	84	7	102	53	96	57	38	24	-29	79	68	124	81	64	113	56	43	107	44	107	
System Total		11605	11487	11372	11018	10938	10717	10525	10302	10214	10173	10158	10239	10364	10733	10675	10933	11554	12709	13414	13960	14519	14957	15220	
SRev ST-Coal		46	71	51	53	40	50	17	44	67	70	59	75	5	21	25	20	54	45	33	56	47	12	52	
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		470	623	500	784	1070	1178	1464	1617	1705	1723	1663	1582	1451	1061	1166	1254	1347	1032	885	671	392	390	111	
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		28	26	26	25	29	26	24	24	25	25	24	24	27	26	25	24	23	23	22	24	23	25	25	
Syncon		724	573	724	724	724	724	724	724	573	724	573	573	724	724	724	573	422	422	335	335	335	184	271	
Hydro		108	230	101	113	103	114	104	104	119	233	105	228	212	229	102	98	99	134	340	330	99	238	234	
S.Reserve Total		1381	1528	1407	1704	1971	2097	2338	2518	2645	2629	2580	2487	2273	1915	2047	2125	2252	1812	1707	1504	899	1046	1018	