

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,988 MW
Hydro	2,122 MW
Distillate	0 MW
Total TNB	9,190 MW
Total IPP	10,105 MW
Total Co-Gen	38 MW
Total System	19,333 MW

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Gas Usage

Station	(mmscfd)
CBPS	3
CBPS	84
GLGR	54
NPRI	12
PAKA	182
PGGS	13
PGPS	52
SRDG	29
TJGS	114
Total TNB	543

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,494 MW
TNB Generation	7,118 MW
IPP Generation	9,410 MW
Spinning Reserve	1,937 MW
Maximum Demand	16,581 MW
Net Energy	346,663 MWH
Load Factor	87.11 %

Generation Mix

Type	MWh	Percentage
ST-Coal	68,570	19.78 %
Gas	68,769	19.84 %
Hydro	7,538	2.17 %
Total TNB	144,877	41.79 %
ST-Coal	100,738	29.06 %
ST-Gas	11,370	3.28 %
Gas	88,220	25.45 %
Total IPP	200,328	57.79 %
Co-Gen	724	0.21 %
Total Co-Gen	724	0.21 %
Total Generation	345,929	99.79 %
PLTG	1	0.00 %
HVDC	-735	-0.21 %
Interconnection	-734	-0.21 %
Net Energy	346,663	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	572
Hydro	308
Syncon	763
Thermal	227
Total	1,870

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

KLPP	107
MPSS	59
PDPS	46
PGLA	109
PKLG	13
PLPS	94
SGB3	53
SGRI	175
SKSP	50
PKLG	112
Total IPP	817
Total Gas	1,360
Total Gas Required	1,360

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	13914	13165	12611	12346	12014	11935	12138	12208	12591	14514	15459	16039	16045	15763	16402	16426	16374	16005	14829	14495	15599	15591	15060	14565

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
MNOR	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
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	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	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
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	0	0	0	34	36	36	33	36	31	36	34	35	41	41	31	32	30	31	41	81	82	31	34	61
UPLA	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
UPLA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		166	158	163	198	221	202	194	203	216	199	213	304	190	192	188	184	207	263	426	364	521	588	695	276
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	1	1	1	1	1	4	4	3	4	4	7	7	8	7	8	8	9	8	9	7	9	8	9	7
PCUF	CUFG	19	21	25	24	24	25	24	25	26	25	24	26	26	26	27	26	26	25	24	21	21	22	21	20
Total Co-Gen		20	22	24	25	25	29	28	28	30	29	28	33	33	34	33	35	34	35	31	33	28	30	30	
Total Gen		13888	13347	13093	12911	12624	12493	12338	12197	11886	11863	11870	11850	12105	12351	12230	12017	12621	13820	14479	15015	15465	15842	16012	
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	-30	-30	-30	-31	-30	-30	-32	-32	-30	-31	-30	-30	-30	-31	-31	-29	-29	-30	-30
TIE-PLTG		5	-36	-41	-69	-44	-4	-21	-2	4	-1	-35	18	-1	55	-5	60	110	-5	25	36	-8	3	-25	
Interconnection		-26	-86	-72	-100	13	-34	-8	-33	-28	-32	-65	-14	-33	25	22	-37	30	79	-35	-5	6	-39	-27	
System Total		13914	13433	13165	13011	12611	12527	12346	12230	12014	11895	11935	11864	12138	12326	12208	12054	12591	13741	14514	15020	15459	15881	16089	
SRev ST-Coal		144	152	142	138	146	136	144	168	154	152	154	161	149	177	149	148	166	140	190	162	222	154	169	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	198	55	67	127	73	
SRev CCGT-Gas		379	587	485	653	946	1073	1210	1335	1598	1736	1742	1742	1511	1335	1365	1585	1532	925	504	196	423	460	425	
SRev ST-Gas		-1	84	77	75	74	74	74	74	74	74	75	75	74	74	75	75	84	28	0	-1	-2	-1	-1	
SRev Co-Gen		18	16	14	13	13	9	10	10	8	9	10	5	5	4	5	3	4	3	7	5	10	8	8	
Syncon		827	827	827	827	676	827	827	827	827	676	827	827	676	827	827	676	827	827	676	676	676	676	525	
Hydro		70	78	73	123	251	119	127	118	133	118	256	122	108	168	131	129	133	137	114	58	46	358	436	
S.Reserve Total		1437	1744	1618	1829	2106	2238	2392	2532	2794	2916	2912	2932	2675	2434	2581	2767	2737	2116	1670	1446	1431	1721	1840	