

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,780 MW
ST-Gas	145 MW
ST-Oil	0 MW
Gas	3,551 MW
Hydro	1,788 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,264 MW</b>
<b>Total IPP</b>	<b>11,732 MW</b>
<b>Total Co-Gen</b>	<b>75 MW</b>
<b>System Total</b>	<b>19,071 MW</b>

**Set On Bus, TNB, IPP And MD**

At Daily Maximum Demand Hour : 16:30	
TNB Generation	4,760 MW
IPP Generation	10,271 MW
Total Set On Bus	15,807 MW
Maximum Demand	15,239 MW
Spinning Reserve	701 MW
Net Energy	319,610 MWH
Load Factor	87.4 %

**Maximum Demand Record**

Date :	16/05/2012	15,723.0 MW
Date :	16/05/2012	325,227.0 MWH

**Hourly System MW Generation**

	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
System Total	13118	12524	11824	11495	11368	11011	11065	11246	11645	13412	14113	14525	14601	14373	14927	15092	15183	14765	13671	13396	14375	14110	13330	13155

**Gas Usage**

Station	(mmscfd)
GLGR	43
PGPS	49
SRDG	34
TJGS	138
<b>TNB Total</b>	<b>264</b>
KLPP	94
MPSS	55
PGLA	94
PKLG	2
PLPS	96
SGB3	79
SGRI	80
SKSP	55
YPGS	34
YPKA	130
<b>IPP Total</b>	<b>720</b>
<b>Total Gas</b>	<b>983</b>

Total Gas Required : 1,175  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
PDPS	15
PKLG	135
PTEK	17
SGB3	8
TJGS	16
<b>Total</b>	<b>191</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	42,745.00	13.37 %
Gas	32,150.00	10.06 %
Hydro	25,651.00	8.03 %
Distillate	2,176.00	0.68 %
<b>Total TNB</b>	<b>102,722.0</b>	<b>32.14 %</b>
ST-Coal	102,121.0	31.95 %
ST-Oil	13,301.0	4.16 %
Gas	94,300.0	29.50 %
Distillate	4,152.0	1.30 %
<b>Total IPP</b>	<b>213,874.0</b>	<b>66.92 %</b>
Co-Gen	2,158.0	0.68 %
<b>Total Co-Gen</b>	<b>2,158.0</b>	<b>0.68 %</b>
<b>Total Generation</b>	<b>318,754.0</b>	<b>99.73 %</b>
PLTG	-158.0	-0.05 %
HVDC	-698.0	-0.22 %
<b>Interconnection</b>	<b>-856.0</b>	<b>-0.27 %</b>
<b>Net Energy</b>	<b>319,610.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	311
Hydro	98
Syncon	261
Thermal	77
<b>Total</b>	<b>747</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 32



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
TJGS	GT2A	0	0	0	130	130	130	130	130	130	130	130	130	130	230	230	230	230	230	230	230	230	230	230	230
TJGS	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	50	230	230	230	230	230	230	230	230	230	230
TJGS	ST2C	0	0	0	120	120	120	120	120	120	120	120	120	120	240	240	240	240	240	240	240	240	240	240	240
Total CCGT-Gas		4488	3973	4003	4124	3927	3843	3772	3500	3556	3279	3202	3260	3371	3565	3505	3486	3835	4783	5723	5996	6203	6434	6438	6503
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	105	107	107	107	108	106	106	105	104	104	104
GLGR	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	64	109	109	109	109	108	109	108	109	110	109
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	64	214	216	216	216	214	216	260	285	288	285
BSIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
BSIA	HY02	22	22	22	22	22	22	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
BSIA	HY03	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
CEND	HY02	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	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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	34	37	36	36	36	36	36	36	36	37	37	36	36	34	35	35	34	35	36	35	37	37	37	37
KNRG	HY02	36	36	36	36	36	36	36	36	36	36	36	35	35	35	35	35	35	35	35	35	37	37	37	37
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	37	37	37	37
KNYR	HY01	91	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY02	90	98	98	98	98	97	97	98	98	98	98	97	98	98	98	98	98	98	96	98	98	98	98	98
KNYR	HY03	91	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
KNYR	HY04	92	96	96	96	96	96	96	96	96	96	96	95	96	96	96	96	96	96	96	96	96	95	95	96
LPIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	143	128	110	115	-1
PGAU	HY02	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	120	141	131	111
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	80	-1	-1	-1
PGAU	HY04	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	88	130	20	80
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	16
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	16
TMGR	HY01	36	80	74	72	63	67	52	80	75	80	79	59	80	80	80	46	41	65	39	46	80	80	68	80
TMGR	HY02	37	84	76	65	64	67	44	83	76	82	82	61	81	84	84	49	40	62	39	39	84	84	67	84
TMGR	HY03	35	81	73	71	62	66	44	81	74	81	81	65	79	80	80	47	38	65	38	40	80	80	65	80
TMGR	HY04	69	74	72	73	72	73	71	72	72	73	73	72	76	74	73	70	63	42	42	76	76	61	76	66
Total Hydro		761	930	905	891	871	883	820	948	906	926	925	868	944	930	927	824	793	885	763	756	925	1004	1089	
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	
TJGS	GT2A	229	46	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2B	225	125	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST2C	248	248	248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	8	50
Total Distillate		702	419	419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	93
PCUF	CUFG	54	54	52	52	49	55	53	52	52	52	53	53	52	53	52	51	51	52	52	51	50	51	49	48	50
PCUF	CUFK	36	36	36	35	35	35	35	35	35	35	35	35	35	35	36	36	33	34	32	31	30	28	30	30	30
Total Co-Gen		90	90	88	87	84	90	88	87	87	87	88	88	87	88	87	88	84	85	84	83	81	78	81	79	78
Total Gen		13212	12604	12489	12064	11784	11583	11443	11299	11316	11058	10983	10977	11069	11198	11184	11148	11620	12642	13457	13721	14101	14406	14546	14751	14656
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	0
TIE-HVDC		-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		123	-55	-5	86	-11	-54	-23	-41	-23	-22	1	-6	33	-10	-33	-35	4	27	74	86	18	12	50	16	84
Interconnection		94	-85	-35	57	-40	-83	-52	-70	-52	-51	-28	-35	4	-39	-62	-64	-25	-2	45	56	-12	-17	21	-13	55
System Total		13118	12689	12524	12007	11824	11666	11495	11369	11368	11109	11011	11012	11065	11237	11246	11212	11645	12644	13412	13665	14113	14423	14525	14764	14601
SRev ST-Coal		63	41	107	68	70	67	71	70	67	68	65	72	167	128	80	56	54	73	72	76	69	74	65	78	75
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	0
SRev ST-Oil		1	2	11	17	4	1	1	1	1	1	1	2	2	1	1	2	2	1	1	1	1	1	1	1	1
SRev CCGT-Gas		402	837	297	526	723	807	878	1150	1094	1371	1448	1390	1279	1085	1145	1164	955	967	647	514	377	236	212	147	188
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	6	4	4	4	6	4	70	45	42	45
SRev Distillate		-2	281	281	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		453	453	453	453	453	453	302	453	453	453	453	453	302	453	453	453	453	453	453	453	453	453	453	453	453
Hydro		224	55	80	94	114	102	165	188	79	59	60	117	192	55	58	161	192	251	222	229	60	106	246	116	129
S.Reserve Total		1141	1669	1229	1158	1364	1430	1568	1711	1694	1952	2027	2034	1942	1722	1737	1882	1662	1599	1400	1277	966	925	1048	840	888