

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980	MW
ST-Gas	0	MW
ST-Oil	80	MW
Gas	2,706	MW
Hydro	1,890	MW
Distillate	750	MW
<b>Total TNB</b>	<b>7,406</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,342</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>89</b>	<b>MW</b>
<b>System Total</b>	<b>17,837</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 11:30

TNB Generation	5,656	MW
IPP Generation	8,303	MW
Total Set On Bus	14,921	MW
Maximum Demand	14,059	MW
Spinning Reserve	873	MW
Net Energy	293,535	MWH
Load Factor	87.0	%

**Maximum Demand Record**

<b>Date :</b>	09/05/2011	15,476.0 MW
<b>Date :</b>	10/05/2011	318,459.0 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	11645	10906	10685	10480	10206	10011	10101	10440	10695	12309	13192	13924	13756	13208	13406	13699	13744	13469	12768	12840	13154	12831	12264	11993

**Gas Usage**

Station	(mmscfd)
CBPS	45
GLGR	59
PAKA	130
PGPS	0
SRDG	7
<b>TNB Total</b>	<b>241</b>
KLPP	22
MPSS	29
PGLA	75
PLPS	95
SGB3	42
SGRI	31
SKSP	49
YPGS	67
YPKA	131
<b>IPP Total</b>	<b>541</b>
<b>Total Gas</b>	<b>782</b>

Total Gas Required : 1,159  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	76
PGPS	18
PKLG	135
PLPS	1
SGB3	22
SGRI	22
TEWA	5
TJGS	98
<b>Total</b>	<b>377</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,082.00	16.04 %
ST-Oil	1,714.00	0.58 %
Gas	29,742.00	10.13 %
Hydro	22,333.00	7.61 %
Distillate	14,286.00	4.87 %
<b>Total TNB</b>	<b>115,157.0</b>	<b>39.23 %</b>
ST-Coal	72,377.0	24.66 %
ST-Gas	1,253.0	0.43 %
ST-Oil	13,357.0	4.55 %
Gas	73,558.0	25.06 %
Distillate	15,179.0	5.17 %
<b>Total IPP</b>	<b>175,724.0</b>	<b>59.86 %</b>
Co-Gen	2,264.0	0.77 %
<b>Total Co-Gen</b>	<b>2,264.0</b>	<b>0.77 %</b>
<b>Total Generation</b>	<b>293,145.0</b>	<b>99.87 %</b>
PLTG	310.0	0.11 %
HVDC	-700.0	-0.24 %
<b>Interconnection</b>	<b>-390.0</b>	<b>-0.13 %</b>
<b>Net Energy</b>	<b>293,535.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	500
Hydro	170
Syncon	293
Thermal	47
<b>Total</b>	<b>1010</b>

**Weather Temperature**

Time	Weather	Temperature
Morning	Cloudy	23
Afternoon	Cloudy	30



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
YPKA	BLK1	353	354	354	354	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355
YPKA	BLK2	374	374	374	375	375	376	376	376	377	377	374	374	374	374	374	372	372	372	372	371	371	369	369	370
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT12	136	136	136	136	136	116	116	72	72	72	72	72	72	72	135	135	135	135	135	135	135	135	135	135
PLPS	GT13	148	146	143	142	143	145	101	97	64	64	65	63	64	65	64	105	138	138	138	137	139	138	137	139
PLPS	ST18	200	200	200	179	152	152	130	130	105	105	105	105	105	105	105	105	105	105	127	207	207	207	207	207
SKSP	BLK1	243	285	340	348	344	352	226	241	214	224	214	241	226	299	233	257	213	300	305	223	247	276	344	342
Total CCGT-Gas		3648	3580	3565	3518	3469	3482	3273	3278	3151	3092	3079	3115	3090	3186	3124	3201	3392	4089	4708	4903	4829	5084	5373	5370
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
Total 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
BSIA	HY01	22	12	11	12	11	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
BSIA	HY02	23	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
BSIA	HY03	23	13	10	12	11	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY01	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	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	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	36	33	36	33	35	33	34	33	34	32	33	33	37	34	34	31	35	31	31	34	35	34	34
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY03	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNYR	HY01	92	100	89	100	94	97	88	90	90	91	79	92	90	101	94	95	56	97	60	86	94	97	95	96
KNYR	HY02	74	106	84	106	100	102	96	96	88	98	56	96	80	106	93	100	56	100	55	84	99	101	100	100
KNYR	HY03	98	105	93	104	99	102	96	98	96	98	76	93	93	105	99	100	55	96	61	91	97	101	100	99
KNYR	HY04	76	105	88	105	99	102	96	96	88	98	57	96	79	105	98	100	56	101	57	83	97	102	100	100
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
MNOR	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
PGAU	HY01	106	-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	83	21	110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	78	-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	78	0	0	0	0	-1	18	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	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
SYPS	HY02	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
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	83	83	80	83	83	83	82	55	40	43	39	40	37	82	44	83	38	84	37	36	82	82	82	82
TMGR	HY03	82	82	80	82	82	82	81	55	38	38	37	38	38	82	43	82	38	79	36	35	81	81	81	81
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	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		1024	892	756	917	810	825	790	743	709	718	594	706	668	952	810	884	723	1058	808	995	1357	1486	1537	1534
KLPP	GT13	134	134	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT14	127	126	126	126	126	125	126	125	126	124	126	126	125	125	125	125	125	125	125	125	125	125	125	125
KLPP	GT15	136	136	135	135	136	135	136	135	134	135	135	134	136	134	136	135	134	133	133	133	133	133	133	133
KLPP	ST17	177	177	126	126	116	116	116	115	115	115	115	116	116	119	119	142	142	184	184	204	204	203	203	203

