

Availability At Daily Maximum Demand Hour

ST-Coal	1,640 MW
ST-Gas	0 MW
ST-Oil	155 MW
Gas	3,781 MW
Hydro	1,874 MW
Distillate	60 MW
Total TNB	7,510 MW
Total IPP	10,203 MW
Total Co-Gen	77 MW
System Total	17,790 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00	
TNB Generation	5,620 MW
IPP Generation	8,619 MW
Total Set On Bus	15,268 MW
Maximum Demand	14,409 MW
Spinning Reserve	952 MW
Net Energy	295,487 MWH
Load Factor	85.4 %

Maximum Demand Record

Date :	09/05/2011	15,476.0 MW
Date :	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	11416	10684	10603	10361	10037	9989	10191	10430	10960	12600	13401	14172	14215	13761	14294	14409	14285	13850	12912	13166	13489	13015	12682	12020

Gas Usage

Station	(mmscfd)
CBPS	52
GLGR	55
PAKA	131
TJGS	147
TNB Total	385
KLPP	88
MPSS	28
PGLA	18
PLPS	97
SGB3	70
SGRI	101
SKSP	35
YPGS	67
YPKA	132
IPP Total	636
Total Gas	1,021

Total Gas Required : 1,179
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	33
PKLG	122
TEWA	3
Total	159

Generation Mix

Type	MWh	Percentage
ST-Coal	37,138.00	12.57 %
ST-Oil	3,103.00	1.05 %
Gas	52,108.00	17.63 %
Hydro	18,059.00	6.11 %
Distillate	276.00	0.09 %
Total TNB	110,684.0	37.46 %
ST-Coal	86,269.0	29.20 %
ST-Oil	11,995.0	4.06 %
Gas	83,876.0	28.39 %
Total IPP	182,140.0	61.64 %
Co-Gen	2,057.0	0.70 %
Total Co-Gen	2,057.0	0.70 %
Total Generation	294,881.0	99.79 %
PLTG	90.0	0.03 %
HVDC	-696.0	-0.24 %
Interconnection	-606.0	-0.21 %
Net Energy	295,487.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	453
Hydro	254
Syncon	291
Thermal	43
Total	1040

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	31

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
SGRI	ST24	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
YPGS	GT11	129	128	128	130	129	130	129	131	129	129	129	0	0	0	0	0	0	0	0	0	0	0	0	0
YPGS	GT12	110	111	110	111	111	110	110	111	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPGS	ST10	139	139	139	138	138	139	139	138	138	138	0	0	0	67	69	136	138	139	139	139	139	139	139	139
YPKA	BLK1	354	354	356	356	355	355	356	355	355	355	355	355	355	355	355	355	355	354	354	354	354	353	353	352
YPKA	BLK2	382	382	384	384	383	384	384	384	384	384	384	384	384	381	381	383	383	383	383	381	381	380	380	382
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	143	143	143	143	143	143	143	143	143	143	143	143
PLPS	GT12	148	133	121	123	120	121	122	135	130	124	148	148	146	146	146	146	146	146	146	146	146	146	146	146
PLPS	GT13	142	114	109	110	110	111	108	110	109	116	118	110	136	139	128	128	128	146	145	145	143	144	144	144
PLPS	ST18	179	142	135	135	135	135	136	135	135	141	141	135	146	146	146	146	146	214	214	214	214	214	214	214
SKSP	BLK1	234	0	0	0	0	0	0	0	0	0	0	0	57	338	328	327	253	315	331	328	327	318	331	320
TJGS	GT1A	155	137	138	141	140	140	138	140	145	197	218	191	217	222	168	141	140	186	203	141	202	210	217	217
TJGS	ST1C	89	86	86	85	85	85	85	103	116	111	113	121	94	85	85	97	116	84	102	108	119	119	119	119
TJGS	GT2A	219	218	189	184	126	125	125	126	125	127	126	126	220	220	220	219	218	217	216	216	213	213	213	211
TJGS	GT2B	216	216	181	177	120	120	120	119	119	119	119	120	216	215	215	215	215	213	213	211	211	211	212	213
TJGS	ST2C	259	259	245	241	206	206	206	206	205	206	207	206	258	259	259	259	253	260	259	260	258	258	258	258
Total CCGT-Gas		4748	4505	4220	4201	4100	3993	3992	4000	3998	4104	4138	4086	4184	4107	4124	4157	4529	5165	5791	5937	6270	6605	6611	6680
YPGS	GT11	0	0	0	0	0	0	0	0	0	0	0	132	134	133	133	133	133	133	133	130	115	127	129	
YPGS	GT12	0	0	0	0	0	0	0	0	0	0	0	108	109	108	109	109	96	89	100	108	108	108	109	111
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	240	243	241	242	242	229	222	233	238	223	235	238	241
BSIA	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
BSIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	23	23	22	22	22	22	22	22	22	22
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22	22	22	22	22
CEND	HY01	10	10	10	9	10	10	10	10	10	9	10	9	10	10	10	10	10	10	10	10	9	9	9	10
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	10	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	24	23	24	23	24	23	24	23	22	24	24	24	23	23	23	23	23	23	23	23	23	23	23	23
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	22	22	36	36	36	36
KNYR	HY01	96	87	87	96	96	96	-1	-1	-1	-1	-1	97	97	-1	-1	60	84	49	49	60	78	79	79	
KNYR	HY02	101	99	99	96	96	96	72	72	50	50	101	101	103	103	70	63	102	96	51	51	65	82	84	
KNYR	HY03	101	101	101	101	101	101	0	0	0	0	0	0	100	96	61	83	90	90	95	95	94	94	94	94
KNYR	HY04	99	81	81	97	97	97	63	63	0	0	0	0	0	0	64	63	50	50	62	67	67	67	100	
LPIA	HY02	21	21	20	21	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20	20	20	20	20
MNOR	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
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	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	14	-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	50	50	50	50	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
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	70	40	46	46	49	37	47	39	38	53	44	49	81	82	36	38	40	39	38	51	49	63	62	62

