

Availability At Daily Maximum Demand Hour

ST-Coal	1,200 MW
ST-Gas	0 MW
ST-Oil	155 MW
Gas	4,287 MW
Hydro	1,615 MW
Distillate	60 MW
Total TNB	7,317 MW
Total IPP	11,167 MW
Total Co-Gen	73 MW
System Total	18,557 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30	
TNB Generation	5,327 MW
IPP Generation	8,766 MW
Total Set On Bus	15,073 MW
Maximum Demand	14,228 MW
Spinning Reserve	907 MW
Net Energy	299,138 MWH
Load Factor	87.6 %

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	12281	11660	11259	10858	10481	10350	10612	10734	10937	12584	13533	14156	14147	13617	13710	14203	14198	13890	13084	12874	13449	13292	12677	12450

Gas Usage

Station	(mmscfd)
CBPS	50
GLGR	55
PAKA	176
PGPS	46
TJGS	124
TNB Total	451
KLPP	21
MPSS	45
PGLA	86
PLPS	97
SGB3	64
SGRI	61
SKSP	46
YPGS	34
YPKA	139
IPP Total	594
Total Gas	1,045

Total Gas Required : 1,209
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	35
PKLG	124
SGRI	1
TJGS	4
Total	163

Generation Mix

Type	MWh	Percentage
ST-Coal	27,360.00	9.15 %
ST-Oil	3,181.00	1.06 %
Gas	59,645.00	19.94 %
Hydro	14,362.00	4.80 %
Distillate	657.00	0.22 %
Total TNB	105,205.0	35.17 %
ST-Coal	99,421.0	33.24 %
ST-Oil	12,104.0	4.05 %
Gas	79,532.0	26.59 %
Distillate	90.0	0.03 %
Total IPP	191,147.0	63.90 %
Co-Gen	2,020.0	0.68 %
Total Co-Gen	2,020.0	0.68 %
Total Generation	298,372.0	99.74 %
PLTG	-64.0	-0.02 %
HVDC	-702.0	-0.23 %
Interconnection	-766.0	-0.26 %
Net Energy	299,138.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	445
Hydro	202
Syncon	343
Thermal	18
Total	1008

	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
SGRI	GT11	0	0	0	0	54	55	55	55	55	55	54	54	55	58	105	105	138	58	58	57	57	107	107	107
SGRI	GT12	129	143	143	143	148	152	99	74	38	30	19	30	61	129	131	131	130	130	123	98	38	12	43	105
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	100	108	132	132	58	58	58	58	107
SGRI	ST14	137	140	123	123	123	124	113	102	80	50	52	49	85	115	111	110	113	113	107	106	160	135	150	206
YPGS	GT12	107	107	107	107	106	107	107	107	107	107	107	107	107	107	107	107	106	105	105	105	104	104	104	105
YPGS	ST10	68	68	68	68	68	68	68	68	68	68	68	68	69	69	69	69	68	68	68	68	68	68	68	68
YPKA	BLK1	385	387	387	387	388	388	390	390	389	389	389	389	391	387	390	390	384	383	383	378	378	378	376	376
YPKA	BLK2	392	391	391	391	393	393	395	395	395	394	394	396	393	395	395	392	390	390	390	385	385	384	383	383
PLPS	GT11	133	138	138	133	101	102	102	101	104	101	102	102	102	102	103	102	136	135	138	137	137	137	135	135
PLPS	GT12	138	142	141	140	109	109	109	109	109	109	109	108	109	146	145	144	144	143	142	142	142	142	142	141
PLPS	GT13	131	136	138	0	0	0	0	0	0	0	0	0	0	72	149	143	142	142	140	140	140	140	140	140
PLPS	ST18	211	215	216	159	129	129	129	128	128	129	129	128	130	133	135	134	145	212	215	215	214	214	215	215
SKSP	BLK1	312	226	220	210	284	211	213	215	216	215	211	233	226	280	254	223	311	308	305	303	339	336	337	320
TJGS	GT1A	192	148	142	139	206	165	138	137	137	145	140	151	157	185	148	152	193	178	171	173	211	215	215	
TJGS	ST1C	117	92	87	88	109	106	88	88	88	89	97	90	109	95	89	108	102	101	104	118	122	122	122	122
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	121	211	210	209	209	210	209	210	210
TJGS	GT2B	0	0	0	0	135	193	193	193	193	193	193	211	211	143	151	148	150	151	139	116	207	207	205	
TJGS	ST2C	0	0	0	0	81	116	123	120	119	119	118	118	120	127	129	108	104	106	103	105	99	92	259	
Total CCGT-Gas		4859	4623	4561	4306	4669	4597	4613	4537	4497	4480	4403	4459	4464	4671	4625	4558	4654	5317	5598	6057	6296	6484	6810	6844
BSIA	HY01	11	11	11	11	12	11	11	11	12	12	11	11	11	11	20	22	22	22	21	21	21	21	21	21
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	23	23	23	23	23	23	23	23	22
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23	24	23	23	23	24	23	23
CEND	HY01	7	7	7	7	7	7	7	7	7	7	8	7	7	7	8	8	8	8	10	10	10	10	10	10
CEND	HY02	7	7	7	7	7	7	7	6	7	7	7	7	8	8	8	8	8	10	10	10	10	10	10	10
CEND	HY03	7	7	7	7	8	7	7	7	7	7	7	7	9	9	8	10	10	10	10	10	10	10	10	10
CEND	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
KNRG	HY01	21	25	24	20	28	22	21	19	20	25	23	25	25	23	27	26	23	23	37	36	36	36	36	35
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	38	37	38	38	37	37	37	35	34
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	36	36	36	36	36	36	36	36	36
KNYR	HY01	60	96	96	52	97	62	-1	-1	-1	-1	-1	-1	-1	66	65	96	96	90	90	96	96	96	95	94
KNYR	HY02	61	103	102	56	104	61	56	54	54	104	61	105	105	69	69	68	99	98	92	93	102	100	101	98
KNYR	HY04	61	101	101	58	0	0	0	0	0	0	0	0	0	100	94	95	101	101	101	100	99	101	101	97
LPIA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	14	14	14	14	15	15
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	8	8	5	5
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	-1	-1	-1	19	109
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	111	111	111	111	111
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	111	111	111	111	111
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	50	50	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	49	49	49	49	49	49	49	29	29
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	49	49	49	50	50	49	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	24	24	24	24	24	24	24
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	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	33	-1	-1	-1	-1	-1
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	27	83	83	83	82	82	82	83	83
TMGR	HY03	38	68	54	37	81	39	37	36	36	58	40	61	59	48	67	71	42	39	36	36	41	47	71	57
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	74	18	-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

