

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	0	MW
ST-Oil	80	MW
Gas	4,271	MW
Hydro	1,885	MW
Distillate	60	MW
Total TNB	8,276	MW
Total IPP	10,662	MW
Total Co-Gen	79	MW
System Total	19,017	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30		
TNB Generation	6,049	MW
IPP Generation	7,849	MW
Total Set On Bus	14,858	MW
Maximum Demand	14,179	MW
Spinning Reserve	881	MW
Net Energy	290,292	MWH
Load Factor	85.3	%

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	11015	10598	10349	9898	9669	9804	9922	10076	10827	12398	13268	13877	13808	13603	13813	14041	14152	13719	12934	13039	13392	13071	12520	12036

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	54
PAKA	83
PGPS	54
SRDG	3
TJGS	201
TNB Total	440
KLPP	93
MPSS	27
PGLA	93
PLPS	91
SGB3	70
SKSP	37
YPGS	34
YPKA	132
IPP Total	577
Total Gas	1,017
Total Gas Required :	1,110
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	94
Total	94

Generation Mix

Type	MWh	Percentage
ST-Coal	39,061.00	13.46 %
Gas	60,091.00	20.70 %
Hydro	20,875.00	7.19 %
Total TNB	120,027.0	41.35 %
ST-Coal	77,430.0	26.67 %
ST-Oil	9,091.0	3.13 %
Gas	77,673.0	26.76 %
Total IPP	164,194.0	56.56 %
Co-Gen	2,111.0	0.73 %
Total Co-Gen	2,111.0	0.73 %
Total Generation	286,332.0	98.64 %
PLTG	55.0	0.02 %
HVDC	-4,015.0	-1.38 %
Interconnection	-3,960.0	-1.36 %
Net Energy	290,292.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	280
Hydro	338
Syncon	258
Thermal	83
Total	959

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
PLPS	GT13	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	ST18	130	100	100	100	100	100	100	100	100	100	100	107	107	107	146	146	146	145	145	144	144	143	143	143
SKSP	BLK1	336	297	68	0	0	0	0	0	0	0	0	0	178	216	215	308	346	315	293	339	339	320	313	212
TJGS	GT1A	230	216	218	217	217	199	174	160	164	160	163	163	164	161	181	181	181	230	230	227	227	227	227	227
TJGS	GT1B	225	207	210	210	210	189	167	156	156	156	155	155	156	174	174	174	223	226	226	223	223	223	223	223
TJGS	ST1C	261	241	241	241	241	226	211	196	196	196	196	196	207	207	207	250	261	261	261	261	261	261	261	261
TJGS	GT2A	192	186	188	188	187	188	169	149	148	148	149	147	149	149	169	170	169	194	193	193	193	193	192	193
TJGS	GT2B	220	182	183	183	183	183	164	144	144	144	144	144	145	163	165	162	221	221	219	219	219	217	217	217
TJGS	ST2C	254	239	240	240	239	240	229	219	218	219	219	219	219	229	229	228	254	254	254	255	255	255	255	254
Total CCGT-Gas		5062	4619	4350	4262	4262	4200	4092	4007	4002	4013	4014	4002	4039	4025	4112	4305	4398	5259	5763	6330	6490	6603	6699	6758
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
Total CCGT-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	21	21	21	21	21	21	12	12	12	12	13	13	13	12	12	12	12	13	13	12	12	12	12	12
BSIA	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
CEND	HY02	6	6	7	6	7	6	6	6	6	6	6	6	7	7	6	6	6	6	6	6	6	6	6	6
CEND	HY03	6	6	7	7	6	6	6	6	6	6	6	6	7	7	6	6	6	6	6	6	6	6	6	6
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	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	37	37	37	37	37	37
KNRG	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
KNYR	HY01	84	87	102	83	90	92	74	88	67	96	99	92	102	100	83	88	98	90	71	49	57	60	99	94
KNYR	HY02	86	89	104	83	95	95	82	92	67	101	103	96	105	104	90	91	103	94	72	52	60	63	103	97
KNYR	HY03	95	77	103	83	99	98	90	92	84	101	103	96	103	103	86	91	102	93	85	52	58	69	103	96
KNYR	HY04	86	92	103	86	94	98	82	93	67	101	103	96	103	103	91	91	102	94	72	52	59	63	103	98
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
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	4	4	4
PGAU	HY01	79	79	85	79	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	111	112	110	110	81	22	23
PGAU	HY02	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	112	111	111	111	81	81
PGAU	HY03	-1	-1	-1	-1	-1	-1	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	113	105	113	81	115	148	147	148
PGAU	HY04	80	81	87	79	81	81	81	81	80	-1	-1	-1	-1	-1	-1	-1	112	23	81	80	113	151	149	150
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	49	49	30	50	49	50	40
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	49	49	30	50	50	50	44
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	30	50	50	50	50	50	45
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25
TMGR	HY01	-1	-1	-1	82	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	39	39	43	39	38	39	38	38	68	71	72	68	75	73	66	67	52	51	49	46	49	50	52	51
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	-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		674	670	755	742	705	628	572	681	549	585	596	564	606	602	708	645	727	631	843	746	961	1062	1297	1384
PCUF	CUFQ	29	54	51	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	52	52	51	52
PCUF	CUFK	27	28	30	28	27	25	26	26	27	27	31	32	32	32	32	32	32	33	32	33	32	33	32	30
Total Co-Gen		56	82	81	80	79	77	78	78	79	79	83	82	82	83	84	84	85	84	85	84	86	85	85	85
Total Gen		10925	10489	10311	10188	10163	9964	9681	9579	9428	9481	9493	9454	9544	9517	9716	10011	10425	11291	12064	12568	13121	13339	13735	13865

