

Availability At Daily Maximum Demand Hour

ST-Coal	1,640	MW
ST-Gas	70	MW
ST-Oil	80	MW
Gas	3,781	MW
Hydro	1,828	MW
Distillate	60	MW
Total TNB	7,459	MW
Total IPP	9,983	MW
Total Co-Gen	81	MW
System Total	17,523	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:00

TNB Generation	4,899	MW
IPP Generation	7,336	MW
Total Set On Bus	13,453	MW
Maximum Demand	12,279	MW
Spinning Reserve	1,137	MW
Net Energy	261,220	MWH
Load Factor	88.6	%

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	11456	10994	10653	10099	9907	9859	9699	9507	9378	9885	10504	11098	11229	11261	11262	11209	11304	11194	10841	11848	12279	12114	12119	11556

Gas Usage

Station	(mmscfd)
CBPS	53
GLGR	55
PAKA	143
PGPS	0
TJGS	86
TNB Total	336
KLPP	83
MPSS	54
PGLA	4
PLPS	93
SGB3	51
SGRI	67
SKSP	36
YPGS	29
YPKA	92
IPP Total	509
Total Gas	846
Total Gas Required :	1,063
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	4
PGLA	2
PGPS	10
PKLG	133
PLPS	6
SGB3	1
TJGS	63
Total	218

Generation Mix

Type	MWh	Percentage
ST-Coal	27,977.00	10.71 %
ST-Oil	896.00	0.34 %
Gas	44,256.00	16.94 %
Hydro	17,910.00	6.86 %
Distillate	9,086.00	3.48 %
Total TNB	100,125.0	38.33 %
ST-Coal	77,174.0	29.54 %
ST-Oil	13,146.0	5.03 %
Gas	67,720.0	25.92 %
Distillate	1,506.0	0.58 %
Total IPP	159,546.0	61.08 %
Co-Gen	2,045.0	0.78 %
Total Co-Gen	2,045.0	0.78 %
Total Generation	261,716.0	100.19 %
PLTG	-223.0	-0.09 %
HVDC	719.0	0.28 %
Interconnection	496.0	0.19 %
Net Energy	261,220.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	328
Hydro	160
Syncon	473
Thermal	31
Total	992

	Weather	Temperature
Morning	Sunny	27
Afternoon	Rainy	28

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	GT12	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	GT13	147	146	147	146	146	148	147	146	147	148	147	103	149	146	147	147	147	147	142	143	141	142	142	142
PLPS	ST18	203	203	204	204	202	203	203	200	162	146	146	147	148	147	149	146	146	145	146	147	147	144	145	143
SKSP	BLK1	217	249	251	259	139	0	0	0	0	0	0	0	0	71	334	336	335	338	330	333	330	331	333	329
TJGS	GT1A	221	221	221	221	201	181	199	156	184	172	171	141	215	221	142	192	185	199	139	200	212	215	170	201
TJGS	ST1C	121	121	121	121	117	102	106	94	100	91	104	87	110	121	94	93	95	109	89	102	112	116	97	110
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	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
TJGS	ST2C	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		4792	4556	4479	4080	4122	3856	3879	3794	3806	3765	3793	3715	3758	3866	3709	3621	3603	3953	4119	4385	4418	4499	4581	4797
PGPS	U002	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	HY02	22	22	22	22	22	22	22	22	22	22	12	12	12	12	12	12	12	21	21	21	21	21	21	21
BSIA	HY03	21	21	21	22	22	22	21	21	21	21	21	0	0	0	0	0	0	22	22	22	22	22	22	22
CEHD	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEHD	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
CEHD	HY03	10	9	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10
CEHD	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	18	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	35	30	33	33	34	30
KNRG	HY02	37	37	37	37	38	38	38	38	38	37	24	24	25	22	23	35	35	35	35	35	35	30	23	23
KNRG	HY03	34	34	34	34	34	34	34	34	34	35	35	0	0	0	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	85	95	95	95	95	95	95	94	94	90	90	96	96	93	96	96	96	96	87	87	96	77	100	
KNYR	HY02	70	99	99	101	101	90	99	99	101	101	71	71	101	101	69	101	101	69	88	88	101	53	100	
KNYR	HY03	97	94	94	101	101	100	97	97	98	98	95	99	99	98	98	97	97	101	91	91	98	98	95	
KNYR	HY04	96	98	98	99	99	99	98	98	97	97	95	95	98	98	94	97	97	96	96	96	99	90	90	
LPIA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	0	0	0	0	0	0	0	0
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	2	2	4	4	4	5	5	5	4	3	3	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	-1	-1	-1	-1	-1	-1	-1	132	82	-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	0	79	86	80	82	72	
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	13	121	-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	50	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	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	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	0	0	0	0	0	0
SYPS	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
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	78	77	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	39	73	54	81	79	52	81	38	58	37	44	43	82	82	36	83	67	83	36	62	53	81	35	
TMGR	HY03	38	76	55	80	78	46	80	38	54	39	38	43	0	0	0	0	0	79	74	80	38	48	35	
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		702	812	675	738	733	664	727	646	682	647	675	619	693	661	530	536	562	593	615	520	635	803	909	876
KLPP	GT13	135	135	135	135	135	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	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
SGB3	GT31	130	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT12	147	147	147	146	147	148	125	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	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
TJGS	GT2B	222	224	223	221	224	224	224	224	223	223	223	222	222	223	221	222	223	223	223	218	218	118	117	100
TJGS	ST2C	247	245	245	245	245	244	244	244	244	244	244	244	244	243	244	245	244	245	245	245	245	245	245	245
Total Distillate		1109	1007	978	975	979	912	844	821	695	695	695	695	694	694	695	695	693	693	694	693	693	686	687	
PCUF	CUFG	53	50	54	53	53	52	54	52	51	51	49	52	51	52	51	53	51	52	50	50	51	52	53	
PCUF	CUFK	35	28	29	29	28	30	28	28	28	29	28	27	29	28	30	29	29	29	26	26	25	25	23	
Total Co-Gen		88	78	83	82	81	82	82	80	79	79	80	77	79	80	81	82	80	79	79	78	77	77	75	
Total Gen		11477	11246	11006	10563	10584	10191	10131	9928	9867	9800	9848	9714	9687	9740	9504	9333	9343	9859	10033	10248	10622	10909	11122	
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	
TIE-HVDC		30	30	29	29	30	30	30	29	29	30	30	29	31	31	29	29	31	31	31	30	30	31	31	
TIE-PLTG		-9	-32	-17	-114	-99	-36	2	6	-69	11	-41	5	-42	11	-34	-52	-64	-84	117	50	89	-38		
Interconnection		21	-2	12	-85	-69	-6	32	36	-40	40	-11	35	-12	40	-3	-21	-35	-55	148	81	118	-9		
System Total		11456	11248	10994	10648	10653	10197	10099	9892	9907	9760	9859	9679	9699	9700	9507	9354	9378	9914	9885	10167	10504	10918	11098	
SRev ST-Coal		44	37	33	131	149	141	219	231	220	211	221	217	304	298	299	305	303	289	299	256	43	42		
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	
SRev ST-Oil		0	0	6	11	12	12	12	5	5	4	4	4	4	1	2	2	1	1	2	2	3	3	23	
SRev CCGT-Gas		418	654	381	640	528	374	351	436	424	465	437	515	472	294	451	539	557	687	601	335	302	581		
SRev 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	
SRev Distillate		11	113	2	5	1	68	-4	19	5	5	5	6	6	5	5	5	7	6	6	8	7	7		
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	
Syncon		539	539	625	625	625	625	625	625	625	474	625	323	474	625	625	625	474	474	625	625	474	474		
Hydro		187	77	90	27	32	101	38	119	83	118	241	146	228	109	89	83	57	177	155	99	83	128		
S.Reserve Total		1199	1420	1137	1439	1347	1321	1241	1442	1362	1429	1382	1513	1337	1181	1471	1559	1550	1634	1537	1325	1134	1270		