

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	0	MW
ST-Oil	53	MW
Gas	3,736	MW
Hydro	1,873	MW
Distillate	60	MW
Total TNB	7,702	MW
Total IPP	11,107	MW
Total Co-Gen	49	MW
System Total	18,858	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30

TNB Generation	5,162	MW
IPP Generation	8,982	MW
Total Set On Bus	15,240	MW
Maximum Demand	14,355	MW
Spinning Reserve	1,047	MW
Net Energy	294,508	MWH
Load Factor	85.5	%

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	10985	10357	10145	9824	9558	9608	9821	10063	10644	12417	13270	13959	14007	13659	14224	14215	14282	14178	12977	13426	13673	13370	12786	12291

Gas Usage

Station	(mmscfd)
CBPS	43
GLGR	54
PAKA	89
PGPS	0
SRDG	11
TJGS	99
TNB Total	297
KLPP	88
MPSS	27
PGLA	79
PKLG	0
PLPS	93
SGB3	85
SGRI	33
SKSP	50
YPGS	68
YPKA	112
IPP Total	636
Total Gas	933

Total Gas Required : 1,006
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	7
PKLG	66
Total	73

Generation Mix

Type	MWh	Percentage
ST-Coal	43,000.00	14.60 %
ST-Gas	20.00	0.01 %
ST-Oil	646.00	0.22 %
Gas	39,705.00	13.48 %
Hydro	19,155.00	6.50 %
Total TNB	102,526.0	34.81 %
ST-Coal	96,574.0	32.79 %
ST-Gas	39.0	0.01 %
ST-Oil	6,529.0	2.22 %
Gas	85,290.0	28.96 %
Total IPP	188,432.0	63.98 %
Co-Gen	1,358.0	0.46 %
Total Co-Gen	1,358.0	0.46 %
Total Generation	292,316.0	99.26 %
PLTG	352.0	0.12 %
HVDC	-2,544.0	-0.86 %
Interconnection	-2,192.0	-0.74 %
Net Energy	294,508.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	279
Hydro	164
Syncon	432
Thermal	430
Total	1306

	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
YPGS	ST10	140	140	140	140	139	139	140	139	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
YPKA	BLK1	162	160	160	157	160	160	163	163	164	164	173	213	251	294	332	358	367	367	365	365	363	363	356	356
YPKA	BLK2	180	178	178	174	174	178	179	179	181	181	192	243	286	286	323	358	376	376	377	377	376	376	378	378
PLPS	GT11	130	130	102	102	102	66	66	66	66	66	66	66	66	66	66	131	131	131	131	131	131	131	131	131
PLPS	GT12	147	147	108	108	108	89	89	89	89	89	71	71	71	71	71	151	151	151	151	151	151	151	151	151
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	110	148	145	145	145	145	146	146
PLPS	ST18	150	150	128	128	128	106	106	106	106	106	106	106	106	106	106	153	175	200	200	200	200	200	200	200
SKSP	BLK1	348	278	213	257	219	228	256	261	311	341	325	306	319	333	239	325	314	346	346	302	330	344	275	276
TJGS	GT2A	217	219	219	181	181	181	125	125	149	189	188	188	162	125	125	146	215	216	217	215	213	217	213	213
TJGS	GT2B	216	216	216	174	175	174	119	120	143	182	183	181	180	154	118	148	212	212	215	213	210	210	211	211
TJGS	ST2C	258	258	259	237	237	206	207	209	241	241	233	207	217	259	258	258	258	256	256	256	256	255	255	255
Total CCGT-Gas		4463	4216	4025	3819	3644	3623	3535	3547	3364	3490	3502	3491	3702	3744	3562	3713	3760	4653	5257	5775	6087	6145	6190	6427
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
SRDG	GT04	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	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	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
BSIA	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
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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	39	39	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
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	96	95	46	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	96	91	93	96	89	89	57	69
KNYR	HY02	99	100	51	81	89	90	102	102	82	102	76	103	99	102	100	82	101	101	69	78	100	56	58	
KNYR	HY03	100	100	56	98	95	77	101	101	101	70	101	75	102	99	101	100	89	101	100	66	81	99	56	
KNYR	HY04	99	99	55	97	95	94	0	0	0	0	0	0	0	0	0	99	97	98	99	94	93	60	76	
LPIA	HY01	16	16	16	16	16	16	16	16	16	16	16	18	18	18	18	18	18	18	18	18	18	18	18	18
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	5	5	5	5	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2
PGAU	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
PGAU	HY02	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-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	HY04	-1	-1	-1	-1	19	19	-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	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	0	0	0	0	0	0	0	0	0	0	0	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	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	-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	-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	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	50	50	45	50	49	50	53	55	54	49	55	50	51	49	51	74	56	76	75	46	51	75	39	
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

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																										
Total Hydro		586	557	365	437	457	440	365	368	368	310	413	310	365	378	363	443	417	566	663	562	775	993	1375	1307	1101	881	892	995	1096	1120	1012	1110	1119	1207	1169	959	660	682	1180	1416	1405	1280	1189	1035	848	903	901	874		
PCUF	CUFG	24	19	20	21	19	20	19	19	20	20	19	20	20	20	19	21	20	18	20	20	20	20	20	20	19	19	19	19	18	19	19	20	20	20	20	20	18	19	18	21	19	20	19	20	20	19	20	19		
PCUF	CUFK	33	28	28	29	28	27	29	31	32	31	34	33	33	36	35	33	35	33	32	33	32	33	33	33	34	33	30	31	31	29	30	29	31	30	31	30	30	29	30	31	31	32	33	33	33	36	33	34	33	
Total Co-Gen		57	47	48	50	47	47	48	50	52	51	53	53	53	56	55	52	56	53	50	53	52	53	53	54	52	49	50	50	47	49	48	51	50	51	50	50	47	49	49	52	51	53	52	53	56	52	54	52		
Total Gen		10849	10573	10171	10031	9826	9774	9617	9438	9335	9384	9538	9438	9715	9832	9908	10143	10522	11569	12307	12680	13206	13484	13915	14207	13969	13788	13583	13760	14142	14193	14144	14239	14162	14164	14104	13487	13013	12996	13503	13760	13684	13521	13425	13271	12802	12574	12410	11921		
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	0	0	0	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		-198	-293	-293	-294	-294	-295	-294	-293	-98	-98	-98	-98	-98	-98	-99	-99	-98	-98	-98	-97	-97	-97	-97	-97	-97	-98	-99	-99	-98	-98	-99	-97	-97	-97	-97	-99	31	30	30	30	30	30	30	30	30	30	31	-98		
TIE-PLTG		62	43	107	-32	-25	80	88	65	70	83	28	3	-8	0	-57	-52	-23	-67	-12	34	34	-108	53	83	59	22	23	-85	16	-64	28	-17	-21	11	23	-12	135	22	47	-15	-19	-31	25	-13	-14	26	88	74		
Interconnection		-136	-250	-186	-326	-319	-215	-207	-229	-223	-15	-70	-95	-106	-98	-155	-150	-122	-166	-110	-64	-64	-206	-44	-14	-38	-76	-76	-184	-82	-162	-71	-114	-120	-86	-74	-109	36	53	77	15	11	-1	55	17	16	56	119	-24		
System Total		10985	10823	10357	10357	10145	9989	9824	9667	9558	9399	9608	9533	9821	9930	10063	10293	10644	11735	12417	12744	13270	13690	13959	14221	14007	13864	13659	13944	14224	14355	14215	14353	14282	14250	14178	13596	12977	12943	13426	13745	13673	13522	13370	13254	12786	12518	12291	11945		
SRev ST-Coal		40	30	50	58	105	119	114	393	387	397	347	431	427	456	275	348	44	36	46	93	33	32	19	30	29	48	-59	-94	42	53	43	47	75	70	68	71	68	45	42	61	62	54	63	64	53	57	56	54		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0
SRev ST-Oil		2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	-23	-18	-24	3	-2	-4	0	8	9	9	9	10	12	11	11	.11	11	11	10	4	
SRev CCGT-Gas		182	429	620	826	1001	1022	1110	1098	1281	1155	1143	1154	1083	1145	1434	1372	1325	902	783	395	273	355	400	147	202	157	482	447	183	198	154	157	169	252	252	521	185	215	209	287	268	317	312	322	408	463	469	797		
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	0	0	0	0	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		474	625	625	726	575	575	726	726	726	424	726	726	575	726	726	726	625	625	625	625	474	86	237	388	625	625	625	625	625	625	625	625	625	474	474	388	388	539	302	302	302	302	388	690	690	690	690	690		
Hydro		202	70	262	89	220	237	61	58	58	116	315	116	61	199	63	58	84	36	39	140	126	157	398	315	370	353	342	239	138	114	222	124	115	178	216	140	439	266	204	148	159	284	289	56	143	78	80	107		
S.Reserve Total		900	1156	1559	1701	1903	1955	2013	2277	2454	2396	2231	2429	2298	2376	2500	2506	2181	1601	1495	1255	1057	1018	962	845	1051	1259	1465	1288	1043	1047	1095	1031	1057	1045	1085	1132	1093	1074	766	808	803	968	1063	1143	1305	1299	1305	1652		