

Availability At Daily Maximum Demand Hour

ST-Coal	1,200	MW
ST-Gas	0	MW
ST-Oil	80	MW
Gas	3,437	MW
Hydro	1,599	MW
Distillate	760	MW
Total TNB	7,076	MW
Total IPP	10,852	MW
Total Co-Gen	67	MW
System Total	17,995	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,291 MW
IPP Generation	9,565 MW
Total Set On Bus	15,882 MW
Maximum Demand	14,892 MW
Spinning Reserve	953 MW
Net Energy	309,063 MWH
Load Factor	86.5 %

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	12268	11761	11322	10888	10713	10401	10680	10747	11130	13017	13781	14546	14373	14070	14519	14783	14782	14315	13314	13269	13969	13818	13331	13038

Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	180
PGPS	48
SRDG	23
TJGS	91
TNB Total	396
KLPP	4
MPSS	46
PDPS	12
PGLA	7
PKLG	8
PLPS	97
PTEK	3
SGB3	46
SGRI	149
SKSP	51
YPGS	33
YPKA	140
IPP Total	597
Total Gas	993

Total Gas Required : 1,195
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	18
PKLG	99
SGB3	33
TJGS	53
Total	202

Generation Mix

Type	MWh	Percentage
ST-Coal	27,348.00	8.85 %
ST-Gas	17.00	0.01 %
ST-Oil	1,681.00	0.54 %
Gas	49,810.00	16.12 %
Hydro	16,259.00	5.26 %
Distillate	8,261.00	2.67 %
Total TNB	103,376.0	33.45 %
ST-Coal	111,393.0	36.04 %
ST-Oil	9,681.0	3.13 %
Gas	79,189.0	25.62 %
Distillate	4,264.0	1.38 %
Total IPP	204,527.0	66.18 %
Co-Gen	1,768.0	0.57 %
Total Co-Gen	1,768.0	0.57 %
Total Generation	309,671.0	100.20 %
PLTG	-116.0	-0.04 %
HVDC	724.0	0.23 %
Interconnection	608.0	0.20 %
Net Energy	309,063.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	417
Hydro	253
Syncon	166
Thermal	69
Total	904

	Weather	Temperature
Morning	Sunny	26
Afternoon	Hot	34

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	
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	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	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	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	0
TMGR	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	0
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	29	38	38	39	49	39	41	31	48	58	55	69	71	63	36	81	63	37	81	81	69	80	63	38	38
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	83	80	78	79	40	57	60	55	57
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	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	4
Total Hydro		201	282	268	287	390	270	314	176	258	268	262	379	380	553	387	358	323	491	802	874	1078	1221	1113	1157	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124	124	124	125	125	125	123	123	122	122
SGB3	GT32	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
TJGS	GT2A	226	227	227	21	78	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2B	223	223	224	224	224	118	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST2C	246	246	245	154	114	192	92	189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		695	696	696	399	416	432	131	189	0	0	0	0	0	0	0	124	124	124	125	125	820	816	816	815	
PCUF	CUFG	25	24	26	25	24	24	23	24	25	25	25	25	24	25	24	25	24	25	25	25	25	25	25	24	25
PCUF	CUFK	48	48	47	47	48	48	47	47	49	46	46	48	49	49	49	48	48	47	47	49	49	46	46	48	48
Total Co-Gen		73	72	73	72	72	70	71	74	73	71	73	74	74	72	73	71	72	75	73	72	73	71	71	73	
Total Gen		12389	12071	11741	11307	11197	11089	10968	10736	10707	10557	10302	10590	10700	11040	10782	10801	11114	12182	12964	13420	13793	14239	14524	14477	
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
TIE-HVDC		31	31	30	29	30	29	30	30	31	29	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		90	66	-50	-44	-155	-6	50	130	-37	0	-130	-8	-10	-6	5	66	-46	53	-84	-108	-18	-27	-52	-18	
Interconnection		121	97	-20	-15	-125	23	80	160	-6	29	-99	23	20	24	35	96	-16	83	-53	-77	12	3	-22	12	
System Total		12268	11974	11761	11322	11322	11066	10888	10576	10713	10528	10401	10567	10680	11016	10747	10705	11130	12099	13017	13497	13781	14236	14546	14465	
SRev ST-Coal		85	93	102	114	106	121	130	254	376	414	392	354	244	203	198	200	111	107	93	99	99	109	95	93	
SRev ST-Oil		4	7	7	-10	-39	-55	-61	-62	33	35	85	26	1	1	3	3	3	3	3	3	7	7	41	17	22
SRev CCGT-Gas		327	715	913	1073	1090	1095	1184	1444	1376	1494	1365	1185	1069	944	1093	1043	933	678	559	380	448	356	226	455	
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
SRev Distillate		5	4	4	301	284	268	339	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-7	-7	-5	-6	-7	-7	-6	-5	-7	-6	-5	-2	-7	-11	-8	-8	-6	-7	-6	-5	-8	-10	-4	-5	
Syncon		388	388	388	388	237	237	388	494	494	645	645	645	645	388	388	646	646	540	389	474	237	86	86	0	
Hydro		220	136	136	117	165	285	110	142	60	49	55	43	42	126	292	63	96	172	102	105	163	171	283	325	
S.Reserve Total		1212	1526	1735	2167	2026	2134	2274	2508	2522	2821	2727	2336	2079	1736	2051	2032	1868	1493	1140	1056	946	742	832	995	