

Availability At Daily Maximum Demand Hour

ST-Coal	2,075 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,725 MW
Hydro	1,691 MW
Distillate	100 MW
Total TNB	7,661 MW
Total IPP	11,597 MW
Total Co-Gen	45 MW
System Total	19,303 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30	
TNB Generation	5,707 MW
IPP Generation	9,370 MW
Total Set On Bus	16,062 MW
Maximum Demand	15,210 MW
Spinning Reserve	940 MW
Net Energy	318,084 MWH
Load Factor	87.1 %

Maximum Demand Record

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	12763	11922	11630	11402	11088	10902	11065	10983	11457	13154	13989	14770	14746	14311	14674	15171	15137	14877	13870	13592	14617	14444	13917	13703

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	56
PAKA	134
PGPS	11
SRDG	15
TJGS	101
TNB Total	364
KLPP	89
MPSS	49
PDPS	1
PGLA	82
PLPS	91
SGRI	195
SKSP	50
YPGS	35
YPKA	131
IPP Total	723
Total Gas	1,086

Total Gas Required : 1,230
Gas Calorific Value : 38,500
Alternate Fuel Usage

Station	(mmscfd)
PGLA	11
PGPS	29
PKLG	104
Total	144

Generation Mix

Type	MWh	Percentage
ST-Coal	49,595.00	15.59 %
Gas	47,156.00	14.83 %
Hydro	17,313.00	5.44 %
Distillate	2,146.00	0.67 %
Total TNB	116,210.0	36.53 %
ST-Coal	92,764.0	29.16 %
ST-Gas	1,437.0	0.45 %
ST-Oil	10,102.0	3.18 %
Gas	93,536.0	29.41 %
Distillate	1,506.0	0.47 %
Total IPP	199,345.0	62.67 %
Co-Gen	1,854.0	0.58 %
Total Co-Gen	1,854.0	0.58 %
Total Generation	317,409.0	99.79 %
PLTG	21.0	0.01 %
HVDC	-696.0	-0.22 %
Interconnection	-675.0	-0.21 %
Net Energy	318,084.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	399
Hydro	162
Syncon	381
Thermal	11
Total	953

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																														
Total Hydro		543	552	545	558	556	554	571	557	553	536	574	556	556	555	546	540	558	559	586	546	688	762	935	1091	1082	907	623	623	927	909	909	898	1165	1005	887	901	562	569	571	651	980	1014	967	967	927	888	739	608						
PGLA	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	212	216	215	216	216	219	218	219	221						
PGPS	GT3A	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				
PGPS	GT3B	81	83	83	83	82	83	82	82	83	78	82	83	83	82	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		
PGPS	ST3C	38	38	37	37	38	38	37	37	37	36	37	37	37	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		
Total Distillate		119	121	120	120	120	121	119	119	120	114	119	120	120	119	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	
PCUF	CUFG	52	51	52	52	52	52	51	51	52	51	52	53	52	52	52	51	52	52	52	51	51	52	51	50	50	50	51	52	28	18	18	18	18	18	19	20	20	19	21	21	20	21	21	21	22	21	21	21	21	21	21	21		
PCUF	CUFK	36	35	36	37	37	38	37	36	38	39	37	38	36	38	38	39	39	34	34	34	33	29	27	29	29	29	29	29	28	28	29	27	28	27	27	28	30	30	31	30	29	32	34	34	36	35	34	36	36	36	36			
Total Co-Gen		88	86	88	89	89	90	88	87	90	90	89	91	88	90	90	91	86	86	85	84	81	78	79	79	79	80	81	56	46	47	45	46	45	46	48	50	49	52	51	49	53	55	55	58	56	55	57	57	57	57	57			
Total Gen		12836	12330	11925	11590	11582	11427	11357	11072	11055	10851	10820	10873	10976	11119	11063	11114	11401	12531	13092	13741	13993	14314	14696	14872	14772	14553	14269	14322	14650	14791	15064	15122	15159	15144	14872	14380	13939	13576	13542	14036	14539	14572	14390	14324	13964	13889	13629	13300	13300	13300	13300	13300	13300	
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	0	0	0	0	0
TIE-HVDC		-28	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-30	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-28	-30	-30	-29	-28	-29	-29	-28	-28	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29			
TIE-PLTG		101	-33	33	-102	-19	-16	-16	-60	-4	103	-53	-70	-59	-24	110	89	-27	101	-33	80	33	-18	-45	15	55	101	-14	-53	4	-103	-79	-58	52	4	23	38	98	17	-22	-74	-49	14	-25	16	76	-23	-44	38	38	38	38			
Interconnection		73	-63	3	-131	-48	-45	-45	-89	-33	74	-82	-100	-89	-53	80	60	-56	72	-62	51	4	-47	-74	-14	26	73	-42	-81	-24	-131	-107	-88	22	-33	-5	9	69	-11	-50	-104	-78	-15	-54	-13	47	-53	-74	9	9	9	9			
System Total		12763	12393	11922	11721	11630	11472	11402	11161	11088	10777	10902	10973	11065	11172	10983	11054	11457	12459	13154	13690	13989	14361	14770	14886	14746	14480	14311	14403	14674	14922	15171	15210	15137	15177	14877	14371	13870	13587	13592	14140	14617	14587	14444	14337	13917	13942	13703	13291	13291	13291	13291	13291	13291	
SRev ST-Coal		6	5	-6	-14	-8	-5	-11	99	115	190	351	358	127	121	27	0	41	1	-5	-3	10	-8	-6	-12	-12	5	2	10	5	-3	5	-1	1	-14	6	36	-18	-6	-13	-7	-12	-6	-2	-14	16	-9	-16	3	3	3	3	3		
SRev ST-Oil		5	7	23	35	38	38	46	131	151	151	151	152	152	151	151	151	57	44	20	19	19	18	18	19	19	18	28	35	13	14	14	15	15	-10	19	17	17	18	18	17	17	18	18	17	17	18	18	18	18	18	18	18	18	
SRev CCGT-Gas		676	1190	1581	1918	1920	2069	2147	2146	2101	2171	2065	1986	2107	1986	2201	2171	1928	1569	1375	889	765	534	320	326	417	445	439	362	352	304	202	251	226	315	316	243	394	755	783	568	195	191	325	294	475	589	313	377	377	377	377			
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	0	0	0	0
SRev Distillate		26	24	25	25	25	24	26	26	25	31	26	25	25	26	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	0	0	0	0
Syncon		625	625	625	625	625	474	474	625	625	474	625	625	625	625	625	625	625	625	474	625	625	625	474	237	237	474	625	625	474	474	474	474	172	323	474	474	625	625	625	625	474	474	474	474	474	474	474	474	474	474	474	474		
Hydro		91	82	89	76	78	80	214	228	81	98	211	78	78	79	88	94	76	75	199	88	-4	72	135	314	323	201	61	61	118	161	161	172	207	314	181	167	72	65	63	158	188	154	201	201	241	180	229	177	177	177	177	177		
S.Reserve Total		1429	1933	2337	2665	2678	2831	2896	3104	3098	3266	3278	3224	3114	2988	3092	3041	2727	2314	2063	1618	1415	1241	941	884	984	1165	1277	1115	1058	1032	870	940	647	969	1174	968	1178	1540	1577	1232	910	881	1065	1021	1274	1297	1116	1094	1094	1094	1094	1094		