

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,017 MW
Hydro	1,853 MW
Distillate	790 MW
Total TNB	7,800 MW
Total IPP	10,979 MW
Total Co-Gen	59 MW
System Total	18,838 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	6,348 MW
IPP Generation	9,435 MW
Total Set On Bus	16,893 MW
Maximum Demand	15,923 MW
Spinning Reserve	1,051 MW
Net Energy	328,176 MWH
Load Factor	85.9 %

Maximum Demand Record

Date :	19/03/2013	16,133.0 MW
Date :	20/03/2013	333,019.0 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	13066	12482	11900	11736	11319	11148	11248	11369	11972	13657	14471	15175	15245	15001	15578	15819	15923	15375	14155	13741	14774	14736	14190	13868

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	56
PAKA	167
PGPS	7
TJGS	102
TNB Total	377
KLPP	45
MPSS	55
PGLA	55
PLPS	61
SGRI	96
SKSP	55
YPGS	34
YPKA	121
IPP Total	522
Total Gas	899

Alternate Fuel Usage

Station	(mmscfd)
KLPP	51
PDPS	15
PGLA	35
PGPS	33
PKLG	101
PLPS	9
PTEK	10
SGRI	93
SRDG	30
Total	376

Generation Mix

Type	MWh	Percentage
ST-Coal	49,604.00	15.12 %
ST-Gas	10.00	0.00 %
ST-Oil	19.00	0.01 %
Gas	47,882.00	14.59 %
Hydro	21,226.00	6.47 %
Distillate	6,511.00	1.98 %
Total TNB	125,252.0	38.17 %

Average SR During Peak Hour

Type	MW
GT	477
Hydro	291
Syncon	144
Thermal	32
Total	944

Total Gas Required : 1,276
Gas Calorific Value : 38,500

Weather Temperature

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 36

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																												
PDPS	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	0																											
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PDPS	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	0																											
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																											
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																											
PGPS	GT3B	83	83	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	37	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
PTEK	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	0																											
SGRI	GT12	127	127	126	126	128	128	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SGRI	GT13	120	120	119	119	121	121	121	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SGRI	GT22	124	124	124	124	125	125	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
SGRI	GT23	124	124	124	124	124	124	125	125	125	125	125	125	125	124	124	124	124	124	123	123	123	123	123	123	124																											
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	0																											
SRDG	GT03	0	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	0																											
SRDG	GT05	0	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	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	0																											
Total Distillate		749	750	560	493	498	498	470	246	202	0	0	0	0	61	188	397	545	1081	1115	1114	1236	1568	1491	1538	1525	1537	1530	1741	1930	2009	2007	2025	2016	1958	1602	1092	1093	1091	1225	1311	1327	1327	1301	1249	1254	1113	1122					
PCUF	CUFG	19	36	36	36	36	36	35	34	33	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35			
PCUF	CUFK	34	33	33	32	33	32	34	32	32	35	33	34	34	34	36	36	32	32	31	26	26	25	25	25	24	24	25	24	25	26	26	26	24	25	26	25	26	26	26	26	27	27	27	26	28	29	30	32	31			
Total Co-Gen		53	69	69	68	69	68	69	66	65	70	68	69	69	69	70	71	66	67	66	61	61	62	60	60	59	60	60	59	60	62	61	59	60	62	59	61	61	61	62	62	63	62	64	65	66	67	66					
Total Gen		13017	12857	12351	12371	11908	11923	11711	11503	11330	11309	11187	11104	11229	11242	11309	11460	11899	12874	13691	13918	14456	14766	15212	15329	15239	15097	14942	15128	15535	15759	15814	15805	15842	15695	15317	14683	14109	13740	13647	14303	14707	14734	14626	14603	14199	13996	13795	13547				
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		
TIE-HVDC		-30	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-19	-51	-102	-21	38	-61	4	-40	40	31	68	0	10	-8	-31	59	-44	6	64	-23	14	-65	67	-19	23	14	-30	12	-14	-87	25	-14	-52	63	-29	-37	-18	-15	-65	5	-38	-69	-81	-51	37	-43	-43	-19				
Interconnection		-49	-79	-131	-50	8	-91	-25	-69	11	2	39	-29	-19	-37	-60	30	-73	-23	34	-53	-15	-94	37	-49	-6	-15	-59	-17	-43	-116	-5	-44	-81	34	-58	-66	-46	-43	-94	-24	-67	-98	-110	-80	9	-71	-73	-49				
System Total		13066	12936	12482	12421	11900	12014	11736	11572	11319	11307	11148	11133	11248	11279	11369	11430	11972	12897	13657	13971	14471	14860	15175	15378	15245	15112	15001	15145	15578	15875	15819	15849	15923	15661	15375	14749	14155	13783	13741	14327	14774	14832	14736	14683	14190	14067	13868	13596				
SRev ST-Coal		31	39	27	35	28	7	18	44	23	24	27	14	23	16	10	43	23	24	35	18	29	20	51	20	35	37	31	22	32	46	34	43	24	33	34	29	28	31	35	35	33	32	17	34	21	23	31	33				
SRev ST-Oil		7	7	4	20	7	7	7	6	6	7	7	7	7	7	7	7	5	5	6	6	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
SRev CCGT-Gas		774	560	919	945	1371	1429	1592	1823	1976	2082	2188	2195	2185	2162	2005	1923	1563	822	264	393	319	221	236	266	201	213	218	265	225	241	300	286	337	323	585	391	395	534	660	381	452	502	522	485	533	621	440	355				
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
SRev Distillate		101	100	140	67	62	62	90	34	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
Syncon		625	625	625	625	625	625	625	625	625	625	625	625	625	474	474	625	625	625	625	474	474	625	453	453	151	0	0	151	453	453	151	0	0	0	0	151	302	453	453	539	539	302	0	0	86	86	237	237	237	474		
Hydro		110	93	112	114	177	114	125	129	126	123	133	223	250	267	134	109	120	118	401	189	160	264	464	430	479	442	309	179	314	400	419	430	444	397	202	165	126	208	171	248	323	303	267	235	282	293	183	262				
S.Reserve Total		1653	1429	1832	1811	2270	2244	2457	2662	2834	2860	2980	3064	2939	2926	2860	2939	2611	1861	1278	1345	1083	1088	1046	1067	978	1119	1275	1189	1001	928	1015	1023	1051	1159	1436	1271	1145	1454	1549	1116	982	994	1049	1024	1214	1310	999	1256				