

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,331	MW
Hydro	1,595	MW
Distillate	620	MW
Total TNB	7,756	MW
Total IPP	11,062	MW
Total Co-Gen	60	MW
System Total	18,878	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30		
TNB Generation	6,736	MW
IPP Generation	8,561	MW
Total Set On Bus	16,317	MW
Maximum Demand	15,408	MW
Spinning Reserve	955	MW
Net Energy	318,469	MWH
Load Factor	86.1	%

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	12557	11959	11464	11281	10822	10734	11079	11127	11688	13506	14318	14945	15032	14679	15234	15293	15181	14798	13976	14105	14300	13962	13411	13020

Gas Usage

Station	(mmscfd)
CBPS	71
GLGR	55
PAKA	152
SRDG	32
TJGS	103
TNB Total	413
KLPP	50
MPSS	61
PGLA	55
PKLG	34
PLPS	3
SGB3	43
SGRI	35
SKSP	39
YPGS	34
YPKA	131
IPP Total	485
Total Gas	898

Total Gas Required : 1,284
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	45
PGPS	52
PKLG	47
PLPS	99
SGB3	40
SGRI	38
TJGS	65
Total	387

Generation Mix

Type	MWh	Percentage
ST-Coal	49,702.00	15.61 %
ST-Oil	1,310.00	0.41 %
Gas	50,760.00	15.94 %
Hydro	13,341.00	4.19 %
Distillate	13,797.00	4.33 %
Total TNB	128,910.0	40.48 %
ST-Coal	93,043.0	29.22 %
ST-Gas	2,944.0	0.92 %
ST-Oil	4,656.0	1.46 %
Gas	59,912.0	18.81 %
Distillate	27,414.0	8.61 %
Total IPP	187,969.0	59.02 %
Co-Gen	1,781.0	0.56 %
Total Co-Gen	1,781.0	0.56 %
Total Generation	318,660.0	100.06 %
PLTG	-538.0	-0.17 %
HVDC	729.0	0.23 %
Interconnection	191.0	0.06 %
Net Energy	318,469.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	385
Hydro	162
Syncon	326
Thermal	66
Total	938

Weather Temperature

Morning	Sunny	24
Afternoon	Cloudy	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
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	26	40	31	44	36	38	42	32	31	42	36	36	32	40	36	30	18	58	52	46	47	47	71	69
TMGR	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
UPLA	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		369	487	388	322	192	223	217	173	169	222	181	193	194	346	181	170	143	243	557	748	937	972	1201	1086
KLPP	GT14	128	127	127	37	0	0	0	0	0	0	0	0	0	100	126	127	127	126	126	126	126	124	124	124
KLPP	GT15	135	114	37	0	0	0	0	0	0	0	0	0	133	135	134	134	133	134	134	134	134	134	134	134
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	55	76	77	79	79	79	79	80	80	81	81
PGPS	GT3B	94	95	94	94	94	94	88	87	86	88	87	87	88	87	87	83	91	89	87	87	92	91	91	90
PGPS	ST3C	42	42	41	42	42	42	38	38	38	38	38	38	38	38	37	40	39	38	54	86	86	86	86	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	73	124	124	124	124	124	124	124	123	123	124
SGB3	GT33	124	0	0	0	0	0	0	0	0	0	0	0	58	123	125	129	129	128	128	127	127	127	126	126
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	45	121	119	119	120	119	119	119	119	120	120
SGRI	GT12	128	38	0	0	0	0	0	0	0	0	0	0	47	111	129	129	129	129	128	128	127	127	127	125
PLPS	GT11	98	0	0	0	0	0	0	0	0	0	0	0	141	140	140	139	137	138	137	137	137	137	137	138
PLPS	GT12	145	146	117	109	73	74	74	74	74	74	74	74	147	148	147	145	142	144	142	142	141	142	141	140
PLPS	GT13	145	148	115	102	63	64	64	64	62	64	65	64	64	64	65	63	97	147	152	152	151	151	151	149
PLPS	ST18	198	138	129	123	99	94	94	92	93	94	93	94	94	97	98	122	149	207	205	204	204	204	204	203
TJGS	GT2A	235	235	183	181	181	181	182	181	181	180	181	182	180	182	180	230	235	233	233	230	231	229	229	228
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	117	117	101	99	98	98	97	97	98	98	97	98	97	98	98	107	116	117	117	116	116	116	116	116
Total Distillate		1589	1200	944	787	650	647	637	633	632	636	637	634	637	635	641	743	1157	1439	1773	1881	1965	2000	1994	1990
PCUF	CUFG	39	37	39	38	38	39	40	39	38	39	40	39	39	38	38	38	38	38	36	37	38	36	35	37
PCUF	CUFK	36	36	36	36	37	37	35	35	36	36	36	38	38	39	39	35	35	32	32	30	30	29	29	29
Total Co-Gen		75	73	75	74	75	76	75	74	74	75	76	75	77	77	77	73	73	70	70	68	66	66	67	65
Total Gen		12693	12344	12008	11822	11525	11376	11263	11134	10893	10844	10779	10766	11073	11284	11130	11031	11862	12539	13458	13857	14236	14573	15016	15156
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
TIE-HVDC		31	30	30	30	30	30	31	31	31	31	31	31	29	31	30	29	31	31	29	32	29	31	31	29
TIE-PLTG		105	-34	19	-21	31	-83	-48	-52	40	-43	14	-53	-37	-28	-28	57	145	-144	-79	-175	-111	-178	42	
Interconnection		136	-4	49	9	61	-53	-18	-21	71	-12	45	-22	-6	1	3	87	174	-113	-48	-146	-82	-146	71	
System Total		12557	12344	11959	11813	11464	11429	11281	11155	10822	10856	10734	10788	11079	11283	11127	10944	11688	12652	13506	14003	14318	14719	14945	15121
SRev ST-Coal		27	18	7	20	23	33	17	14	19	129	139	140	31	42	24	73	22	6	8	19	15	21	38	28
SRev ST-Gas		28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	45	43	35	68	74	56
SRev ST-Oil		10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9
SRev CCGT-Gas		298	537	667	756	924	1092	1204	1287	1518	1515	1531	1551	1359	1287	1301	1495	969	690	431	237	209	241	241	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	63	20	7	6	
SRev Distillate		96	145	261	278	275	278	288	292	293	289	288	291	288	290	284	462	188	116	197	229	145	110	116	120
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
Syncon		625	625	625	625	726	575	726	726	726	726	726	726	726	575	474	726	726	726	474	474	323	323	86	86
Hydro		223	105	204	70	99	219	74	118	122	69	110	98	248	197	110	121	148	48	191	100	162	177	229	344
S.Reserve Total		1307	1468	1802	1787	2085	2235	2347	2475	2716	2766	2832	2844	2539	2328	2482	2914	2090	1623	1338	1096	908	939	817	902