

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,978 MW
Hydro	1,837 MW
Distillate	0 MW
Total TNB	7,955 MW
Total IPP	10,927 MW
Total Co-Gen	86 MW
System Total	18,968 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00	
TNB Generation	4,636 MW
IPP Generation	7,872 MW
Total Set On Bus	13,477 MW
Maximum Demand	12,839 MW
Spinning Reserve	883 MW
Net Energy	268,014 MWH
Load Factor	87.0 %

Maximum Demand Record

Date :	16/04/2013	16,356.0MW
Date :	16/04/2013	338,800.0MWH

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	12552	11891	11586	11234	10890	10670	10460	10080	9514	9838	10385	10762	10796	10857	11001	10949	11044	11026	10831	11379	12763	12839	12549	12303

Gas Usage

Station	(mmscfd)
CBPS	28
GLGR	50
PAKA	90
PGPS	23
TJGS	90
TNB Total	280
KLPP	92
PGLA	47
PKLG	42
PLPS	55
SGRI	198
YPGS	2
YPKA	65
IPP Total	500
Total Gas	780

Total Gas Required : 847
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	14
PKLG	53
Total	66

Generation Mix

Type	MWh	Percentage
ST-Coal	47,625.00	17.77 %
ST-Oil	1,278.00	0.48 %
Gas	35,067.00	13.08 %
Hydro	9,670.00	3.61 %
Total TNB	93,640.0	34.94 %
ST-Coal	99,178.0	37.00 %
ST-Gas	4,063.0	1.52 %
ST-Oil	5,062.0	1.89 %
Gas	59,579.0	22.23 %
Total IPP	167,882.0	62.64 %
Co-Gen	2,171.0	0.81 %
Total Co-Gen	2,171.0	0.81 %
Total Generation	263,693.0	98.39 %
PLTG	-5,045.0	-1.88 %
HVDC	724.0	0.27 %
Interconnection	-4,321.0	-1.61 %
Net Energy	268,014.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	750
Hydro	112
Syncon	577
Thermal	148
Total	1587

	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	GT11	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPGS	GT12	131	131	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPGS	ST10	101	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPKA	BLK1	199	191	191	190	190	184	184	184	184	184	184	184	184	184	184	360	360	360	359	359	358	358	358	358
YPKA	BLK2	195	187	187	186	186	181	181	180	180	181	181	181	181	181	181	0	0	0	0	0	176	178	178	178
PLPS	GT11	104	141	140	105	105	65	66	66	66	65	66	66	66	65	65	66	66	65	65	65	66	65	67	65
PLPS	GT13	110	145	143	110	111	69	62	64	64	63	63	64	64	64	64	64	63	64	64	64	65	63	63	64
PLPS	ST18	131	146	146	131	130	106	96	94	96	95	95	95	96	94	102	99	101	100	96	94	96	96	96	96
TJGS	GT1A	229	99	106	108	108	106	107	106	108	108	109	107	111	113	111	113	113	109	166	161	132	146	171	192
TJGS	GT1B	217	86	98	99	96	96	96	96	99	99	100	100	99	103	99	151	152	116	131	158	180	149	177	190
TJGS	ST1C	256	161	139	135	138	138	138	138	138	138	142	146	153	161	154	183	161	171	165	169	200	224	217	212
Total CCGT-Gas		4732	4436	4242	4043	3936	3840	3681	3669	3359	3258	3261	3381	3284	3350	3208	3063	3067	3149	3323	3560	3625	3779	3887	3912
BSIA	HY03	11	12	12	12	12	11	12	12	11	11	13	11	12	10	10	10	11	12	11	11	11	11	11	11
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	10	10	10	9	9	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
KNRG	HY03	25	26	26	26	27	25	26	25	26	25	26	26	27	24	25	25	26	26	25	26	26	26	26	26
KNYR	HY01	89	101	98	79	90	102	67	94	94	67	69	103	70	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY02	100	100	100	100	100	100	99	100	100	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY03	100	100	101	101	101	101	100	101	100	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY04	93	96	101	101	102	102	63	100	89	66	91	103	78	100	52	59	58	59	76	78	104	86	59	60
LPIA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	1	1	1	1	1	1	1	1	1
PGAU	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
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	20	-1	-1	-1	-1	19	-1	-1	110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	50	50	50	50	50	50	50	50	50	50	50	50	43	30	30	50	0	0	0	0	0	0	0
SIHY	HY02	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	25	25	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	34	34	35	35	36	37	31	37	33	33	34	38	33	39	18	29	28	31	36	35	41	36	30	33
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	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		700	717	721	701	685	678	594	617	601	430	396	429	364	436	194	200	196	220	194	193	226	203	170	172
PCUF	CUF6	50	50	52	52	52	53	52	53	52	52	54	52	53	51	51	51	51	50	51	50	49	51	50	50
PCUF	CUFK	38	39	36	39	39	38	37	36	36	35	36	36	36	36	28	29	26	26	25	26	27	28	28	25
Total Co-Gen		88	89	88	91	91	90	88	89	88	87	89	88	88	90	90	89	86	84	83	79	79	77	76	76
Total Gen		12409	11927	11692	11451	11350	11242	10998	10999	10752	10502	10475	10451	10277	10312	9978	9587	9323	9485	9738	9976	10169	10494	10574	10725
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	31	31	31	29	30	30	30	30	31	31	30	30	30	31	31	30	30	31	31	30	30	30	30
TIE-PLTG		-174	-249	-230	-170	-265	-199	-266	-200	-168	-249	-226	-281	-213	-224	-132	-125	-222	-140	-126	-150	-242	-217	-215	-174
Interconnection		-143	-218	-199	-139	-236	-170	-236	-170	-138	-219	-195	-250	-183	-194	-102	-95	-191	-109	-96	-120	-212	-187	-185	-144
System Total		12552	12145	11891	11590	11586	11412	11234	11169	10890	10721	10670	10701	10460	10506	10080	9682	9514	9594	9834	10096	10381	10681	10759	10869

