

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,441 MW
Hydro	1,540 MW
Distillate	700 MW
Total TNB	7,061 MW
Total IPP	12,139 MW
Total Co-Gen	68 MW
System Total	19,268 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30

TNB Generation	5,295 MW
IPP Generation	10,054 MW
Total Set On Bus	16,281 MW
Maximum Demand	15,411 MW
Spinning Reserve	864 MW
Net Energy	319,200 MWH
Load Factor	86.3 %

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	12742	12266	11801	11177	10918	10918	11163	11057	11522	13122	14014	14684	14786	14409	14640	15307	15360	15058	13962	13685	14532	14371	13917	13475

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	31
PAKA	64
PGPS	49
SRDG	9
TJGS	101
TNB Total	303
KLPP	82
MPSS	55
PGLA	91
PLPS	87
SGB3	72
SGRI	97
SKSP	53
YPGS	34
YPKA	125
IPP Total	697
Total Gas	1,000

Total Gas Required : 1,253
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	7
PKLG	134
PLPS	4
TJGS	108
Total	254

Generation Mix

Type	MWh	Percentage
ST-Coal	33,121.00	10.38 %
Gas	38,811.00	12.16 %
Hydro	14,067.00	4.41 %
Distillate	15,636.00	4.90 %
Total TNB	101,635.0	31.84 %
ST-Coal	110,728.0	34.69 %
ST-Oil	13,236.0	4.15 %
Gas	90,768.0	28.44 %
Distillate	1,513.0	0.47 %
Total IPP	216,245.0	67.75 %
Co-Gen	1,906.0	0.60 %
Total Co-Gen	1,906.0	0.60 %
Total Generation	319,786.0	100.18 %
PLTG	-138.0	-0.04 %
HVDC	724.0	0.23 %
Interconnection	586.0	0.18 %
Net Energy	319,200.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	450
Hydro	113
Syncon	381
Thermal	39
Total	983

Weather
Temperature

Morning	Sunny	27
Afternoon	Hot	31

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	GT12	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
YPGS	ST10	69	70	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	68	68	69	69	69	70
YPKA	BLK1	349	354	354	352	353	353	354	354	353	353	354	354	349	349	349	349	349	349	347	347	348	349	349	352
YPKA	BLK2	345	349	349	348	348	349	349	349	349	349	349	344	344	342	342	342	342	343	344	344	342	342	341	341
PLPS	GT11	134	102	102	67	66	68	67	67	66	67	67	67	63	68	66	68	101	101	101	101	105	105	105	105
PLPS	GT12	143	108	109	75	75	75	74	74	74	74	74	74	73	74	74	74	109	109	139	131	143	142	142	139
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	72	112	139	124	142	140	140	140	140	139	139
PLPS	ST18	141	124	126	100	102	100	101	101	101	101	101	101	107	106	107	127	195	205	208	213	217	216	216	215
SKSP	BLK1	308	286	237	303	264	238	213	210	213	227	212	226	258	256	213	213	254	328	278	242	223	329	320	328
TJGS	GT1A	231	229	229	194	161	126	126	113	118	115	118	118	114	117	117	229	229	226	226	226	226	226	226	223
TJGS	GT1B	222	222	222	185	152	112	102	106	103	103	103	103	106	217	220	220	217	217	217	214	214	214	214	214
TJGS	ST1C	258	258	258	231	198	169	169	159	154	154	154	154	154	154	154	246	256	256	259	259	259	256	256	259
Total OCGT-Gas		5093	4679	4598	4230	4018	3849	3721	3702	3706	3709	3701	3719	3750	3741	3684	3705	3773	4752	5448	5988	6189	6523	6720	6667
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
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
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
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
Total 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
BSIA	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
BSIA	HY02	20	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
BSIA	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
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	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
KNRG	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
KNRG	HY03	38	22	21	23	22	21	21	21	20	21	21	22	23	23	20	21	23	23	23	23	24	24	24	24
KNYR	HY01	97	100	94	102	100	59	56	58	51	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY02	96	99	93	102	98	58	55	57	-1	-1	-1	-1	-1	100	85	-1	-1	99	92	96	100	102	100	
KNYR	HY03	57	99	55	101	99	98	59	59	52	59	54	73	103	102	50	58	102	101	55	83	102	101	100	
LPIA	HY02	21	21	21	21	21	20	20	21	20	21	21	20	20	20	20	20	20	20	20	20	20	21	20	21
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY02	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	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
SIHY	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
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
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
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
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
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	39	83	39	85	55	73	39	41	43	42	38	49	85	85	35	42	85	80	39	45	65	85	82	
TMGR	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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Total Hydro		387	454	353	464	425	359	281	288	216	254	164	194	261	361	320	226	362	454	354	421	491	512	659	871
KLPP	GT14	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
TJGS	GT2A	228	228	228	228	229	228	184	152	132	132	132	132	132	170	213	130	224	228	228	227	226	227	227	227

