

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	70	MW
Gas	3,725	MW
Hydro	1,681	MW
Distillate	0	MW
Total TNB	7,546	MW
Total IPP	10,515	MW
Total Co-Gen	51	MW
System Total	18,112	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30	
TNB Generation	5,072 MW
IPP Generation	8,548 MW
Total Set On Bus	14,558 MW
Maximum Demand	13,763 MW
Spinning Reserve	887 MW
Net Energy	301,698 MWH
Load Factor	91.3 %

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	13097	12474	11887	11587	11177	11145	11183	10907	10832	12133	12913	13141	13605	13287	13596	13530	13585	13197	12798	12732	13753	13493	12997	12946

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	58
PAKA	40
PGPS	37
SRDG	21
TJGS	112
TNB Total	313
KLPP	100
MPSS	50
PGLA	75
PKLG	5
PLPS	77
SGRI	222
SKSP	53
YPGS	35
YPKA	70
IPP Total	686
Total Gas	999
Total Gas Required :	1,125
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PGLA	4
PGPS	6
PKLG	115
Total	125

Generation Mix

Type	MWh	Percentage
ST-Coal	48,881.00	16.20 %
Gas	39,672.00	13.15 %
Hydro	16,410.00	5.44 %
Distillate	735.00	0.24 %
Total TNB	105,698.0	35.03 %
ST-Coal	91,065.0	30.18 %
ST-Gas	1,582.0	0.52 %
ST-Oil	11,353.0	3.76 %
Gas	89,219.0	29.57 %
Distillate	579.0	0.19 %
Total IPP	193,798.0	64.24 %
Co-Gen	1,399.0	0.46 %
Total Co-Gen	1,399.0	0.46 %
Total Generation	300,895.0	99.73 %
PLTG	-138.0	-0.05 %
HVDC	-665.0	-0.22 %
Interconnection	-803.0	-0.27 %
Net Energy	301,698.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	276
Hydro	151
Syncon	337
Thermal	65
Total	829

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	
YPGS	GT12	130	131	132	131	132	132	130	131	132	133	132	133	132	132	132	133	132	127	127	127	127	127	127	127	127
YPGS	ST10	71	71	71	71	71	71	71	70	70	70	70	70	70	70	71	71	70	70	70	70	70	70	70	71	71
YPKA	BLK1	203	203	203	203	203	205	205	206	204	204	205	205	207	207	207	207	205	203	203	203	200	200	197	197	199
YPKA	BLK2	196	196	196	196	196	191	191	192	192	191	191	192	192	194	194	193	193	193	193	191	191	191	193	193	193
PLPS	GT12	147	127	121	129	121	145	145	123	130	146	146	142	143	124	124	124	117	139	139	139	139	118	142	142	122
PLPS	GT13	138	122	106	124	106	127	139	106	126	137	137	120	135	108	106	107	106	107	136	122	136	134	105	132	121
PLPS	ST18	146	135	144	134	134	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146
SKSP	BLK1	346	316	307	239	227	250	258	213	249	257	259	238	254	210	214	213	223	214	341	339	337	338	301	336	329
TJGS	GT1A	226	226	226	226	226	226	226	226	226	226	226	226	226	230	224	158	109	164	227	227	224	224	224	221	221
TJGS	GT1B	221	221	221	221	222	222	222	222	222	222	224	221	225	215	152	99	154	222	222	222	217	217	217	221	221
TJGS	ST1C	258	258	258	258	258	258	258	258	258	258	258	258	258	198	169	190	253	257	257	257	257	257	257	257	257
Total OCGT-Gas		5500	5247	5001	4766	4754	4487	4523	4442	4237	4232	4329	4160	4456	4485	4237	4074	3927	4272	5041	5277	5547	5735	5949	6068	6057
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	GT09	0	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	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	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
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
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	0
BSIA	HY01	12	11	11	11	11	11	11	11	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
BSIA	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	0
CEND	HY01	9	9	10	9	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	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	0
KNRG	HY02	32	31	31	32	31	31	32	32	32	32	31	32	31	32	31	30	31	31	32	32	32	31	32	31	32
KNRG	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	0
KNYR	HY01	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
KNYR	HY02	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109
KNYR	HY03	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
KNYR	HY04	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
LPIA	HY01	18	18	18	18	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
MNOR	HY01	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	7	7	7	7	5	3
PGAU	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	-1
PGAU	HY02	28	-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	80	-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	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	0
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	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	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	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	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	0
TMGR	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	0
TMGR	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	-1
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	-1
TMGR	HY04	41	33	35	39	35	37	40	36	36	41	42	37	40	28	32	35	34	43	33	36	58	44	53	45	43
UPIA	HY02	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
Total Hydro		667	547	550	554	551	578	558	553	553	558	559	554	558	542	528	547	552	570	561	761	943	1183	980	950	922
PGLA	GT12	220	221	223	175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

