

Availability At Daily Maximum Demand Hour

ST-Coal	1,290	MW
ST-Gas	150	MW
ST-Oil	0	MW
Gas	3,551	MW
Hydro	1,740	MW
Distillate	710	MW
Total TNB	7,441	MW
Total IPP	10,736	MW
Total Co-Gen	49	MW
System Total	18,516	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30		
TNB Generation	5,840	MW
IPP Generation	9,336	MW
Total Set On Bus	16,112	MW
Maximum Demand	15,203	MW
Spinning Reserve	887	MW
Net Energy	313,788	MWH
Load Factor	86.0	%

Maximum Demand Record

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 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	12346	11639	11177	10897	10952	10611	10830	11136	11373	13128	14001	14676	14662	14444	15010	15168	15162	14747	13600	13298	14239	14097	13546	13177

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	32
PAKA	94
PGGS	1
PGPS	47
SRDG	32
TJGS	122
TNB Total	375

Alternate Fuel Usage

Station	(mmscfd)
PKLG	60
SGB3	7
TJGS	44
Total	110

Generation Mix

Type	MWh	Percentage
ST-Coal	30,760.00	9.80 %
Gas	47,452.00	15.12 %
Hydro	28,189.00	8.98 %
Distillate	6,362.00	2.03 %
Total TNB	112,763.0	35.94 %
ST-Coal	107,798.0	34.35 %
ST-Oil	5,868.0	1.87 %
Gas	84,417.0	26.90 %
Distillate	811.0	0.26 %
Total IPP	198,894.0	63.38 %
Co-Gen	1,339.0	0.43 %
Total Co-Gen	1,339.0	0.43 %
Total Generation	312,996.0	99.75 %
PLTG	-119.0	-0.04 %
HVDC	-673.0	-0.21 %
Interconnection	-792.0	-0.25 %
Net Energy	313,788.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	574
Hydro	192
Syncon	7
Thermal	80
Total	853

Weather Temperature

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 32

KLPP	3
MPSS	47
PGLA	88
PKLG	5
PLPS	95
PTEK	1
SGB3	71
SGRI	110
SKSP	56
YPGS	34
YPKA	136
IPP Total	646
Total Gas	1,021

Total Gas Required : 1,132
Gas Calorific Value : 38,500

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	130
YPGA	ST10	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
YPKA	BLK1	374	374	374	374	374	369	371	371	373	373	371	371	373	372	372	372	372	370	370	366	366	366	366	366	366
YPKA	BLK2	391	391	391	391	391	390	390	391	391	393	393	391	391	394	394	394	393	393	390	390	386	386	386	386	386
PLPS	GT11	143	114	72	71	70	69	70	71	71	71	70	71	70	100	144	144	143	144	142	142	141	142	142	142	136
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	148	148	148	148	148	148	148	148	148
PLPS	GT13	143	118	68	67	68	68	68	68	69	68	68	68	68	67	69	144	144	143	142	140	139	139	139	137	138
PLPS	ST18	147	137	102	101	100	99	100	101	101	100	101	101	106	106	111	180	215	214	215	214	216	216	216	216	216
SKSP	BLK1	269	228	251	260	229	262	260	257	287	233	221	225	303	347	344	326	329	311	301	300	287	298	285	340	344
TJGS	GT1A	142	142	142	142	142	142	142	142	142	142	142	142	186	181	181	180	180	180	180	177	177	177	177	177	177
TJGS	GT1B	128	131	131	130	130	130	130	130	131	131	131	127	175	167	167	167	167	167	167	155	85	120	0	0	0
TJGS	ST1C	183	183	183	183	183	183	183	183	183	183	183	183	195	207	207	207	207	210	210	210	210	210	210	210	210
TJGS	GT2A	217	218	121	218	218	161	161	161	161	161	161	161	162	161	161	162	120	216	214	215	213	213	212	212	212
TJGS	GT2B	216	216	116	0	0	0	0	0	0	0	0	0	0	0	0	0	39	116	216	213	213	213	210	210	210
TJGS	ST2C	264	264	201	126	131	106	107	105	107	106	106	105	106	106	106	103	105	94	266	264	263	263	263	263	263
Total CCGT-Gas		5121	4975	4615	4416	4201	4063	4058	4003	4055	3984	3969	3969	4049	4095	4226	4186	4395	4983	5625	6034	6460	6659	6874	6940	6941
PGGS	GT6A	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	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
PTEK	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	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	10	248	348	269	275	272	288	442	695	761
BSIA	HY01	22	22	22	22	23	23	23	23	22	22	22	22	22	23	22	22	22	23	23	23	23	23	23	23	23
BSIA	HY02	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
BSIA	HY03	22	22	22	23	23	24	24	24	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	9	9	8	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
KNRG	HY01	35	35	36	37	37	37	37	37	35	35	36	37	37	37	37	36	36	36	37	37	36	37	36	37	37
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	37	38	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNYR	HY02	96	98	99	106	105	107	108	102	108	92	99	99	101	105	108	100	99	102	104	103	99	108	98	107	97
KNYR	HY03	97	99	100	107	106	106	107	103	107	93	98	90	101	107	107	87	93	103	105	104	100	107	98	107	97
KNYR	HY04	98	99	100	106	106	106	106	103	106	93	100	100	103	106	106	100	101	103	106	105	101	106	100	106	99
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	23	24	24	24	24	24	24
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
MNOR	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	6
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	110	111	110	118	109	111	110	111
PGAU	HY02	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	112	111	114	112	121	111	114	111
PGAU	HY03	-1	-1	-1	-1	-1	-1	112	30	-1	-1	-1	-1	-1	-1	-1	-1	81	111	114	112	121	111	114	110	81
PGAU	HY04	80	81	0	0	0	0	0	0	0	0	0	0	0	0	0	21	-1	83	81	108	150	152	80	81	80
SIHY	HY02	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	47	50	50	50	50	50	50
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	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	25	25	25	25	25

