

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	0	MW
ST-Oil	80	MW
Gas	3,166	MW
Hydro	1,873	MW
Distillate	760	MW
Total TNB	7,859	MW
Total IPP	10,407	MW
Total Co-Gen	57	MW
System Total	18,323	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30	
TNB Generation	5,934 MW
IPP Generation	8,225 MW
Total Set On Bus	15,071 MW
Maximum Demand	14,303 MW
Spinning Reserve	855 MW
Net Energy	293,739 MWH
Load Factor	85.6 %

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	11307	10980	10615	10450	9984	10099	10132	10318	10835	12624	13522	14070	14078	13852	13949	14168	14251	13860	13033	13212	13440	13159	12512	11783

Gas Usage

Station	(mmscfd)
CBPS	37
GLGR	55
PAKA	130
SRDG	31
TJGS	27
TNB Total	279
KLPP	78
MPSS	27
PGLA	47
PLPS	89
SGB3	75
SGRI	62
SKSP	49
YPGS	69
YPKA	110
IPP Total	606
Total Gas	885

Total Gas Required : 1,088
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	17
PGLA	4
PGPS	17
PKLG	88
TJGS	76
Total	203

Generation Mix

Type	MWh	Percentage
ST-Coal	44,499.00	15.15 %
ST-Oil	1,630.00	0.55 %
Gas	33,999.00	11.57 %
Hydro	25,998.00	8.85 %
Distillate	11,172.00	3.80 %
Total TNB	117,298.0	39.93 %
ST-Coal	78,507.0	26.73 %
ST-Oil	8,591.0	2.92 %
Gas	81,349.0	27.69 %
Distillate	2,794.0	0.95 %
Total IPP	171,241.0	58.30 %
Co-Gen	1,478.0	0.50 %
Total Co-Gen	1,478.0	0.50 %
Total Generation	290,017.0	98.73 %
PLTG	-243.0	-0.08 %
HVDC	-3,479.0	-1.18 %
Interconnection	-3,722.0	-1.27 %
Net Energy	293,739.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	517
Hydro	192
Syncon	97
Thermal	45
Total	851

	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	137	134	134	136	135	133	135	135	134	134	134	133	133	134	134	133	135	138	137	135	134	136	135	135	134	134	135	135	136	136	135	135																		
YPGS	GT12	132	130	130	130	130	130	130	130	131	131	131	131	130	129	130	130	128	128	128	126	128	129	130	130	130	131	133	132	130	132	132	131	131	132	132															
YPGS	ST10	140	140	141	140	140	140	140	140	140	140	140	140	140	140	140	140	140	141	141	140	140	140	140	140	140	141	141	141	140	140	140	141	141	141	141															
YPKA	BLK1	355	355	355	356	356	354	354	352	352	358	358	358	358	358	358	358	347	276	265	268	268	266	266	264	264	264	264	262	262	264	264	268	268	266	266															
YPKA	BLK2	377	377	376	376	376	374	374	373	373	378	378	378	378	378	378	378	365	275	275	271	271	269	269	266	266	266	266	266	266	266	266	266	266	266	266															
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	8	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134																
PLPS	GT12	110	150	150	150	150	75	75	75	75	75	75	75	75	75	106	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141															
PLPS	GT13	121	146	145	144	143	65	65	65	64	64	65	65	65	63	66	64	147	147	147	146	148	146	146	147	147	147	145	124	124	125	125	124	125	124	123															
PLPS	ST18	144	146	146	146	146	121	100	100	100	100	100	100	100	100	100	100	122	196	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216															
SKSP	BLK1	280	316	217	242	213	240	252	212	213	210	212	214	212	241	236	224	245	259	254	348	352	348	341	344	302	294	313	327	331	345	346	332	348	345	348															
TJGS	GT2A	217	218	220	220	219	219	219	147	146	145	145	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														
TJGS	GT2B	214	217	213	217	216	212	217	140	138	138	139	139	140	187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
TJGS	ST2C	261	260	259	259	259	253	252	236	217	217	217	217	239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0															
Total CCGT-Gas		4112	4082	4043	3934	4076	3928	3967	3724	3699	3701	3714	3711	3712	3693	3257	3263	3570	4039	4777	5139	5362	5535	5524	5544	5522	5501	5273	5298	5305	5319	5419	5359	5388	5394	5355	5401	5308	5148	5422	5379	5343	5308	5299	5181	4860	4780	4654	4159		
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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Total CCGT-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	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	22	22	22	22	12	12	11	11	11	11	11	11	12	12	12	12	12	12	12	21	22	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
BSIA	HY02	21	21	22	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
BSIA	HY03	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
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	10	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	HY02	9	10	10	9	10	10	10	10	10	9	10	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	9	9	9	9	9	9	9	9	9	9	9	9		
CEND	HY03	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	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9			
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	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	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	34	36	34	33	36	36	35	35	36	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY02	23	22	23	23	24	24	23	23	23	23	23	24	25	24	37	36	36	36	36	35	35	36	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	36	36	36	36	36	36	36	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	
KNYR	HY01	83	90	78	94	91	89	96	86	72	72	82	55	87	96	92	97	95	96	96	97	97	97	88	97	70	53	96	97	96	97	94	81	97	94	97	97	91	86	94	97	83	93	97	96	97	97	91	91		
KNYR	HY02	93	94	85	98	94	92	101	90	77	71	86	59	92	102	98	100	97	102	101	102	102	102	80	101	81	56	100	102	100	102	101	86	102	98	102	102	94	92	98	102	87	97	101	102	102	102	96	95		
KNYR	HY03	92	94	84	99	95	89	100	91	78	80	87	59	91	100	97	100	97	101	101	100	101	85	101	86	55	100	101	100	101	101	96	101	98	101	101	95	91	99												

