

Availability At Daily Maximum Demand Hour

ST-Coal	663	MW
ST-Gas	155	MW
ST-Oil	0	MW
Gas	3,081	MW
Hydro	1,828	MW
Distillate	760	MW
Total TNB	6,487	MW
Total IPP	10,173	MW
Total Co-Gen	94	MW
System Total	16,754	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 19:30		
TNB Generation	4,289	MW
IPP Generation	8,576	MW
Total Set On Bus	13,806	MW
Maximum Demand	13,022	MW
Spinning Reserve	847	MW
Net Energy	277,076	MWH
Load Factor	88.7	%

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	11447	10847	10687	10400	10290	9835	9945	9795	10215	11245	12003	12614	12780	12219	12443	12375	12392	12042	11803	12409	12984	12622	12056	11895

Gas Usage

Station	(mmscfd)
CBPS	53
GLGR	60
PAKA	141
SRDG	7
TJGS	95
TNB Total	357
KLPP	77
MPSS	48
PLPS	86
SGB3	55
SGRI	123
SKSP	52
YPGS	34
YPKA	131
IPP Total	606
Total Gas	963

Total Gas Required : 1,234
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	22
PGLA	3
PKLG	135
PLPS	25
SGB3	36
TJGS	50
Total	271

Generation Mix

Type	MWh	Percentage
ST-Coal	15,387.00	5.55 %
Gas	47,020.00	16.97 %
Hydro	20,227.00	7.30 %
Distillate	7,338.00	2.65 %
Total TNB	89,972.0	32.47 %
ST-Coal	79,623.0	28.74 %
ST-Oil	13,278.0	4.79 %
Gas	81,223.0	29.31 %
Distillate	11,169.0	4.03 %
Total IPP	185,293.0	66.87 %
Co-Gen	2,403.0	0.87 %
Total Co-Gen	2,403.0	0.87 %
Total Generation	277,668.0	100.21 %
PLTG	-130.0	-0.05 %
HVDC	722.0	0.26 %
Interconnection	592.0	0.21 %
Net Energy	277,076.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	373
Hydro	160
Syncon	366
Thermal	49
Total	948

	Weather	Temperature
Morning	Sunny	28
Afternoon	Rainy	29

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
YPKA	BLK2	372	374	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	370
PLPS	GT11	139	138	120	141	130	131	115	117	116	114	114	115	115	113	115	106	105	142	141	140	139	138	138	137
PLPS	GT12	143	142	122	145	133	135	118	120	120	118	118	120	118	119	118	108	108	0	0	0	0	0	0	0
PLPS	GT13	134	133	111	135	134	118	112	111	111	111	110	110	110	102	103	137	145	145	145	144	144	141	143	143
PLPS	ST18	214	213	203	215	209	209	200	205	203	199	200	201	200	201	199	192	194	184	211	206	203	202	203	204
SKSP	BLK1	257	310	310	311	303	332	266	289	277	298	302	297	297	309	213	340	341	341	339	342	334	335	334	345
TJGS	GT1A	187	136	133	107	109	109	100	104	95	96	96	98	112	109	109	109	109	109	109	109	109	109	98	97
TJGS	ST1C	102	85	85	72	69	69	69	65	62	62	62	66	70	70	70	70	70	70	70	70	70	63	91	
TJGS	GT2A	218	217	218	217	217	218	218	218	181	181	181	181	174	142	199	198	198	198	198	197	196	197	197	198
TJGS	GT2B	214	214	214	214	214	214	214	174	174	173	175	174	168	137	193	192	191	190	190	191	192	191	192	192
TJGS	ST2C	260	258	259	259	259	259	259	236	237	236	237	236	236	215	245	247	248	248	248	249	249	249	250	250
Total CCGT-Gas		6166	6015	5657	5513	5389	5396	5246	5285	4953	4970	4964	4974	4996	4813	4760	5127	5246	5556	5687	5757	5940	6147	6155	6114
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	HY02	22	22	22	21	21	21	21	21	21	21	22	22	21	21	21	21	21	22	22	22	23	22	22	22
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	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY02	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	24	24	23	25	24	24	24	23	24	23	24	24	24	25	38	38	38	38	38	37	37	37	37	37
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
KNYR	HY01	96	96	96	96	96	96	97	97	53	53	93	93	96	96	96	96	96	96	95	95	95	95	95	95
KNYR	HY02	101	89	89	102	102	102	102	70	70	56	56	98	98	102	102	67	67	102	102	77	77	100	100	102
KNYR	HY03	101	87	87	101	101	101	70	70	100	100	100	100	100	101	101	99	99	101	101	101	101	101	101	101
KNYR	HY04	99	100	100	99	99	99	99	100	100	95	95	96	96	99	99	100	100	100	100	99	99	99	99	99
LPIA	HY02	23	23	24	24	24	23	24	24	24	24	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	4	4	4	4	4	4	4	4	4	4	4
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
PGAU	HY02	-1	-1	-1	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
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	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
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	82	52	39	82	64	38	42	42	41	37	41	38	37	40	42	42	82	47	53	56	81	75	80	81
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
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		590	531	518	610	591	542	546	485	485	447	452	531	530	563	566	511	553	971	799	1051	1159	1316	1364	1368
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

