

Availability At Daily Maximum Demand Hour

ST-Coal	1,890	MW
ST-Gas	0	MW
ST-Oil	150	MW
Gas	4,152	MW
Hydro	1,613	MW
Distillate	60	MW
Total TNB	7,865	MW
Total IPP	11,517	MW
Total Co-Gen	49	MW
System Total	19,431	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30		
TNB Generation	5,392	MW
IPP Generation	8,852	MW
Total Set On Bus	15,115	MW
Maximum Demand	14,360	MW
Spinning Reserve	822	MW
Net Energy	299,699	MWH
Load Factor	87.0	%

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	11878	11224	11027	10869	10483	10312	10595	10759	11245	12648	13505	14125	14028	13708	14083	14074	14094	13762	12905	13119	13724	13410	12810	12370

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	56
PAKA	78
PGPS	25
SRDG	14
TJGS	140
TNB Total	362
KLPP	85
MPSS	41
PLPS	99
SGB3	69
SKSP	34
YPGS	34
YPKA	134
IPP Total	495
Total Gas	857

Alternate Fuel Usage

Station	(mmscfd)
PGPS	30
PKLG	120
Total	150

Generation Mix

Type	MWh	Percentage
ST-Coal	40,126.00	13.39 %
ST-Oil	2,812.00	0.94 %
Gas	47,989.00	16.01 %
Hydro	11,792.00	3.93 %
Total TNB	102,719.0	34.27 %
ST-Coal	117,066.0	39.06 %
ST-Oil	11,703.0	3.90 %
Gas	66,175.0	22.08 %
Total IPP	194,944.0	65.05 %
Co-Gen	1,308.0	0.44 %
Total Co-Gen	1,308.0	0.44 %
Total Generation	298,971.0	99.76 %
PLTG	-31.0	-0.01 %
HVDC	-697.0	-0.23 %
Interconnection	-728.0	-0.24 %
Net Energy	299,699.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	250
Hydro	169
Syncon	454
Thermal	60
Total	933

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		
PLPS	GT12	116	121	118	148	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
PLPS	GT13	110	113	110	57	0	0	0	0	0	0	0	0	0	0	70	149	147	146	146	146	146	146	146	146	146	
PLPS	ST18	205	201	200	200	129	129	129	129	126	130	130	126	134	134	134	200	219	219	219	216	216	216	216	216	216	
SKSP	BLK1	213	76	0	0	0	0	0	0	0	0	0	0	0	0	42	213	271	344	341	345	340	338	341	311	323	
TJGS	GT1A	221	154	139	139	139	138	184	140	169	178	141	141	140	206	140	179	144	201	200	204	139	216	222	222	149	
TJGS	ST1C	119	85	85	85	86	93	86	97	91	85	85	87	101	85	87	101	85	97	83	108	107	107	84	113	120	
TJGS	GT2A	215	213	148	125	125	125	124	124	125	124	125	125	125	125	124	125	218	217	217	217	218	217	217	217	218	
TJGS	GT2B	211	211	144	119	119	118	118	118	119	120	119	121	117	118	118	213	213	213	213	213	213	213	213	213	213	213
TJGS	ST2C	259	259	228	207	207	207	206	206	207	208	207	207	207	207	207	259	261	261	261	261	261	261	261	261	261	
Total CCGT-Gas		4421	4029	3711	3647	3403	3403	3459	3387	3453	3375	3353	3354	3358	3437	3334	3347	3683	4399	4944	5168	5395	5515	5643	5644	5376	
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	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	
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	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	HY02	12	12	12	12	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
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	0	
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	9	10	10	10	10	10	9	10	10	
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	
KNRG	HY01	20	22	18	20	23	22	25	21	24	23	20	22	23	24	17	22	20	25	25	25	19	33	33	35	34	
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	0	
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	52	74	51	55	76	82	97	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	89	91	96		
KNYR	HY02	56	78	55	61	86	85	103	63	103	102	59	78	83	104	52	103	73	104	104	104	93	80	77	102	98	
KNYR	HY04	56	76	53	61	84	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	94	94	94	91	
LPIA	HY01	14	14	14	14	14	14	8	7	8	8	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
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	4	
PGAU	HY01	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	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	
PGAU	HY04	-1	-1	10	20	-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	
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	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	-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	HY02	38	43	38	38	43	53	84	40	82	83	39	48	49	83	35	63	53	83	83	83	58	49	45	82	71	
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	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	-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	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	4	
Total Hydro		294	365	298	328	384	401	375	268	272	272	184	220	226	304	175	259	217	288	288	287	630	727	934	1005	944	
PCUF	CUFG	23	20	23	22	22	22	20	23	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
PCUF	CUFK	31	27	27	29	28	29	30	26	29	27	28	29	28	28	29	28	29	28	29	29	26	27	26	27	27	

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																										
Total Co-Gen		54	47	50	51	50	51	52	46	52	48	50	51	49	49	51	51	48	48	48	49	49	45	46	46	47	49	48	46	47	46	48	47	49	48	50	50	52	48	51	51	51	50	50	51						
Total Gen		11911	11589	11191	11169	10979	10913	10771	10571	10442	10418	10322	10403	10590	10849	10707	10696	11214	12061	12625	12865	13481	13725	14104	14293	13973	13673	13657	13789	14079	14096	14026	14122	14022	14052	13771	13377	12919	12769	13079	13780	13660	13651	13428	13268	12777	12638	12395	12221		
TIE-EGAT		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			
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-31	-28	-28	-28	-29	-31	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		62	27	-4	13	-19	-96	-69	75	-10	43	38	25	24	11	-23	37	-2	-12	7	-79	5	103	8	-38	-26	-6	-23	0	25	-67	-19	-35	-43	48	39	114	43	-45	-11	90	-35	77	47	-8	-4	78	54	-62		
Interconnection		33	-2	-33	-16	-48	-125	-98	46	-41	15	10	-3	-5	-20	-52	8	-31	-41	-23	-109	-24	74	-21	-67	-55	-35	-51	-28	-4	-96	-48	-64	-72	19	9	84	14	-74	-40	61	-64	48	18	-37	-33	49	25	-91		
System Total		11878	11591	11224	11185	11027	11038	10869	10525	10483	10403	10312	10406	10595	10869	10759	10688	11245	12102	12648	12974	13505	13651	14125	14360	14028	13708	13708	13817	14083	14192	14074	14186	14094	14033	13762	13293	12905	12843	13119	13719	13724	13603	13410	13305	12810	12589	12370	12312		
SRev ST-Coal		38	32	44	28	38	37	169	184	287	218	307	261	171	149	168	340	120	58	44	23	28	91	66	70	88	91	82	82	41	54	54	67	40	76	109	113	111	114	124	123	118	48	43	42	40	56	47	35		
SRev ST-Oil		15	15	19	24	15	68	68	68	68	66	69	66	67	30	15	12	12	9	13	9	9	10	10	10	10	13	10	10	11	9	7	8	12	14	12	11	9	10	8	2	10	8	8	8	8	8	7	64		
SRev CCGT-Gas		519	821	789	793	897	897	841	913	847	775	797	796	792	713	816	803	1097	689	681	597	460	193	65	64	332	293	271	239	180	164	168	193	123	124	148	462	924	865	614	134	225	243	190	194	323	270	505	512		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	80	53	77	78	64	25	77	108	103	71	28	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev Distillate		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	0	0
SRev Co-Gen		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	0	0
Syncon		625	625	474	474	625	625	625	474	731	731	731	731	731	580	731	731	731	731	731	731	731	474	474	323	323	323	625	625	625	625	323	323	323	625	625	625	625	580	731	731	474	474	474	731	731	731	731	429	731	
Hydro		233	162	380	350	143	126	41	299	37	38	126	96	90	163	141	57	99	28	28	29	198	292	346	275	336	295	243	160	160	373	409	375	200	41	32	124	221	148	80	119	161	155	44	131	125	130	380	104		
S.Reserve Total		1430	1655	1706	1669	1718	1753	1744	1938	1970	1830	2027	1953	1850	1672	1886	1946	2059	1518	1493	1393	1169	1059	1010	822	1142	1391	1312	1180	1041	1002	1071	1068	1067	906	1021	1336	1847	1867	1559	858	980	930	1016	1106	1227	1195	1368	1446		