

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	80	MW
ST-Oil	0	MW
Gas	4,671	MW
Hydro	1,619	MW
Distillate	0	MW
Total TNB	8,350	MW
Total IPP	10,926	MW
Total Co-Gen	37	MW
System Total	19,313	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30

TNB Generation	6,881	MW
IPP Generation	8,669	MW
Total Set On Bus	16,459	MW
Maximum Demand	15,471	MW
Spinning Reserve	872	MW
Net Energy	316,963	MWH
Load Factor	85.4	%

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	12085	11472	11018	10704	10353	10292	10679	10811	11415	13304	14219	14938	14918	14641	15113	15337	15424	15134	13977	13623	14672	14542	13980	13637

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	58
PAKA	109
PGGS	8
PGPS	49
SRDG	23
TJGS	194
TNB Total	488
KLPP	16
PDPS	4
PGLA	106
PLPS	95
PTEK	15
SGB3	80
SGRI	66
SKSP	54
YPGS	34
YPKA	118
IPP Total	588
Total Gas	1,075

Alternate Fuel Usage

Station	(mmscfd)
PKLG	124
Total	124

Generation Mix

Type	MWh	Percentage
ST-Coal	43,936.00	13.86 %
Gas	62,437.00	19.70 %
Hydro	23,034.00	7.27 %
Total TNB	129,407.0	40.83 %
ST-Coal	98,593.0	31.11 %
ST-Oil	12,167.0	3.84 %
Gas	75,778.0	23.91 %
Distillate	255.0	0.08 %
Total IPP	186,793.0	58.93 %
Co-Gen	1,176.0	0.37 %
Total Co-Gen	1,176.0	0.37 %
Total Generation	317,376.0	100.13 %
PLTG	-218.0	-0.07 %
HVDC	631.0	0.20 %
Interconnection	413.0	0.13 %
Net Energy	316,963.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	460
Hydro	137
Syncon	220
Thermal	74
Total	892

Weather Temperature

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 32

Total Gas Required : 1,199
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	
YPKA	BLK2	266	280	283	283	282	282	283	283	282	282	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	12	137	137	137	136	136	136	136	136	136	136	136
PLPS	GT12	109	74	75	74	76	75	74	75	74	75	73	74	74	73	75	109	145	145	142	142	143	143	142	141	141
PLPS	GT13	104	64	65	65	65	65	64	65	64	64	64	65	66	64	102	141	145	143	143	143	144	144	141	142	142
PLPS	ST18	155	109	101	102	101	101	102	102	101	100	100	101	100	103	106	105	131	205	215	214	214	213	213	211	213
SKSP	BLK1	227	323	340	236	338	232	227	212	210	210	211	211	240	219	217	230	264	308	331	323	340	342	337	335	340
TJGS	GT1A	178	195	195	195	195	175	175	159	124	121	124	121	121	121	225	225	225	225	225	221	221	221	221	221	221
TJGS	GT1B	168	188	188	188	185	167	167	149	152	115	115	115	115	115	115	217	220	220	220	220	216	216	216	216	216
TJGS	ST1C	211	221	224	224	224	211	211	198	195	169	169	166	166	166	166	244	258	258	258	258	258	258	258	258	258
TJGS	GT2A	214	213	214	215	214	203	202	183	184	184	184	183	182	184	184	215	214	213	213	213	212	211	211	211	210
TJGS	GT2B	211	211	211	210	210	198	196	179	179	177	178	178	177	179	180	178	212	212	212	210	210	210	209	209	209
TJGS	ST2C	264	263	263	262	262	251	252	240	240	240	240	240	240	240	239	263	262	263	262	262	262	261	261	261	261
Total CCGT-Gas		4598	4352	4306	4123	4187	3970	3962	3852	3824	3741	3828	3843	3861	3862	3875	3893	4138	5118	5674	6107	6307	6550	6904	6947	6935
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
PDP5	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
PDP5	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
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
PTEK	GT1A	0	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	GT1B	0	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	20	20	20	12	20	20	20	20	20	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
BSIA	HY02	21	21	21	14	20	20	20	20	20	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
BSIA	HY03	21	21	21	14	20	20	20	19	12	14	14	14	15	14	14	14	23	23	23	23	23	23	23	23	23
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	8	8	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	8	8	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	7
KNRG	HY01	37	36	37	37	37	36	37	36	32	36	36	35	37	36	35	36	35	36	35	36	35	36	35	36	35
KNRG	HY02	37	36	36	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	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNYR	HY01	104	102	103	104	104	103	104	99	85	101	63	61	107	103	97	65	81	57	86	64	104	96	103	104	97
KNYR	HY02	102	0	0	0	0	0	97	84	99	-1	-1	104	101	96	-1	79	60	93	62	93	101	104	105	102	
KNYR	HY03	102	101	102	103	102	102	103	98	84	60	61	60	102	100	94	63	74	85	91	60	94	102	104	105	101
KNYR	HY04	103	102	102	103	103	104	99	87	60	62	60	105	102	96	63	64	97	100	60	90	102	104	104	104	104
LPIA	HY02	23	23	23	23	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MNOR	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	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
PGAU	HY02	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	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	-1
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	HY03	21	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	25	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	52	57	41	70	47	56	58	39	33	39	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	54	61	42	74	50	61	63	42	35	41	42	47	55	55	40	-1	-1	40	77	55	87	84	87	87	86

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																											
TMGR	HY03	51	57	39	71	47	57	60	39	32	39	39	40	50	51	36	66	41	42	72	48	84	82	84	84	83	84	84	80	84	84	77	81	80	81	82	83	82	83	83	84	80	84	83	84	77	83	80	84			
TMGR	HY04	52	58	41	70	48	56	57	41	35	41	41	41	50	51	39	67	41	43	69	51	79	78	79	79	79	80	79	80	76	79	73	78	76	77	77	79	78	78	80	80	78	79	78	79	70	79	73	80			
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	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		896	767	701	827	731	766	778	781	677	688	534	534	803	769	702	528	586	655	911	777	998	1013	1033	1036	1015	1034	1034	1037	1043	1166	1168	1311	1103	1168	1198	1051	1041	1057	1066	1344	1443	1345	1400	1375	1218	1090	1105	1031			
PCUF	CUFG	14	15	13	14	13	15	13	13	14	13	15	16	16	16	15	14	14	11	11	12	10	16	10	12	11	13	9	11	10	9	9	7	9	6	9	10	9	9	10	10	10	10	10	9	11	11	11	10	11		
PCUF	CUFK	36	35	35	33	36	35	33	34	37	35	36	34	34	34	33	34	34	35	32	33	32	31	30	30	28	28	27	28	28	30	30	30	30	30	29	30	30	32	30	29	31	29	31	30	29	31	32	34			
Total Co-Gen		50	50	48	47	49	50	46	47	51	48	51	50	50	48	48	48	46	43	45	42	47	40	42	39	41	36	39	38	39	39	37	39	36	38	40	39	41	40	39	41	40	39	40	41	40	42	42	45			
Total Gen		12017	11529	11395	11219	11008	10716	10712	10616	10488	10376	10348	10418	10745	10812	10853	10698	11377	12416	13342	13790	14208	14506	14953	14993	14939	14645	14653	14723	15148	15465	15422	15587	15408	15388	15160	14547	13992	13621	13640	14420	14733	14550	14587	14324	14130	13967	13673	13282			
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	0	0		
TIE-HVDC		-29	-29	-29	30	29	29	29	30	29	29	29	31	31	31	31	30	31	29	29	30	30	30	30	31	30	30	29	29	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		-39	-38	-48	-24	-39	-70	-21	-38	106	2	27	-57	35	-9	11	-71	-68	19	9	-8	-41	20	-15	-66	-10	-49	-18	-79	6	20	54	86	-46	-30	-4	-13	-15	-43	-13	-89	31	-54	15	-35	120	-49	6	-73			
Interconnection		-68	-67	-77	6	-10	-41	8	-8	135	31	56	-26	66	22	42	-40	-38	50	38	21	-11	50	15	-36	21	-19	12	-50	35	51	85	116	-16	0	26	17	15	-13	17	-59	61	-24	45	-5	150	-19	36	-43			
System Total		12085	11596	11472	11213	11018	10757	10704	10624	10353	10345	10292	10444	10679	10790	10811	10738	11415	12366	13304	13769	14219	14456	14938	15029	14918	14664	14641	14773	15113	15414	15337	15471	15424	15388	15134	14530	13977	13634	13623	14479	14672	14574	14542	14329	13980	13986	13637	13325			
SRev ST-Coal		36	59	64	36	57	168	172	162	176	230	361	279	238	446	432	435	54	62	65	58	52	47	46	48	53	49	96	98	61	109	107	133	45	46	61	58	59	45	62	109	82	72	63	66	79	67	74	65			
SRev ST-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	0	0	0
SRev ST-Oil		31	-9	6	2	2	2	2	-12	11	57	57	57	57	57	57	57	57	41	11	7	7	6	12	24	35	-7	-6	9	31	31	31	5	16	16	42	36	27	10	8	8	12	24	25	25	24	13	24				
SRev CCGT-Gas		831	842	783	966	902	1119	1127	1237	1265	1348	1491	1476	1458	1497	1484	1396	1461	781	700	592	547	454	330	347	359	629	530	387	228	328	336	343	299	446	447	519	850	1019	1008	520	613	562	697	676	698	588	601	639			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	-2	76	-2	-2	-1	-3	-2	-2	143	26	65	87	88	81	185	132	0	0	0	0	42	122	3	119	100	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		453	302	302	151	302	302	302	302	302	499	499	388	539	539	736	625	388	302	302	453	453	453	453	453	453	453	453	453	453	151	302	302	151	302	302	151	453	453	453	453	151	0	0	0	151	151	453	453	453		
Hydro		185	155	221	246	191	156	144	251	355	344	451	451	293	176	243	220	273	291	171	455	83	68	48	45	66	47	47	44	370	96	109	117	174	109	230	75	85	69	60	84	136	234	179	53	210	196	181	105			
S.Reserve Total		1541	1354	1381	1406	1459	1752	1752	1959	2091	2240	2864	2767	2439	2720	2760	2849	2475	1584	1284	1421	1145	1110	886	908	959	1215	1122	979	967	897	960	872	913	1000	1090	1279	1483	1613	1593	872	881	1002	966	1090	1263	1328	1322	1286			