

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	0	MW
ST-Oil	80	MW
Gas	4,381	MW
Hydro	1,885	MW
Distillate	60	MW
Total TNB	8,386	MW
Total IPP	11,077	MW
Total Co-Gen	81	MW
System Total	20,104	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30

TNB Generation	5,574	MW
IPP Generation	7,893	MW
Total Set On Bus	14,515	MW
Maximum Demand	13,499	MW
Spinning Reserve	967	MW
Net Energy	280,885	MWH
Load Factor	86.7	%

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	11052	10518	10140	9828	9721	9674	9917	9992	10486	12159	12832	13424	13350	12778	12858	13200	13289	12988	12324	12533	12945	12573	12064	11573

Gas Usage

Station	(mmscfd)
CBPS	22
GLGR	54
PAKA	29
PGPS	48
SRDG	1
TJGS	190
TNB Total	344
KLPP	95
MPSS	26
PGLA	105
PLPS	103
SGB3	44
SKSP	45
YPGS	34
YPKA	130
IPP Total	583
Total Gas	927

Total Gas Required : 927
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	44,431.00	15.82 %
Gas	47,392.00	16.87 %
Hydro	15,107.00	5.38 %
Total TNB	106,930.0	38.07 %
ST-Coal	93,771.0	33.38 %
Gas	78,665.0	28.01 %
Total IPP	172,436.0	61.39 %
Co-Gen	2,164.0	0.77 %
Total Co-Gen	2,164.0	0.77 %
Total Generation	281,530.0	100.23 %
PLTG	-77.0	-0.03 %
HVDC	722.0	0.26 %
Interconnection	645.0	0.23 %
Net Energy	280,885.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	423
Hydro	279
Syncon	261
Thermal	118
Total	1081

	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	
TJGS	ST2C	241	221	207	207	206	207	207	207	207	207	206	207	207	254	254	254	254	255	255	255	255	255	255	255	255
Total CCGT-Gas		4738	4529	4479	4463	4461	4517	4617	4641	4632	4589	4663	4659	4771	4823	4938	4968	5105	5389	5562	5685	6059	6090	6162	6042	5986
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	
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	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
BSIA	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	
CEND	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	
CEND	HY02	7	6	6	7	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
CEND	HY03	6	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
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	38	38	21	37	37	37	37	37	37	37	37	37	37	36	35	35	35	35	35	35	35	35	35	35	35
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	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	HY02	62	60	59	70	53	71	61	62	61	56	60	61	105	65	79	106	61	61	57	62	70	81	97	55	55
KNYR	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	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
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
LPIA	HY02	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
MNOR	HY01	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	-1
PGAU	HY02	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY03	-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	-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	29	30	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	30	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	16	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	16	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	16	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	16	16	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	35	37	34	37	30	37	34	36	34	32	33	36	39	36	38	38	36	33	34	36	37	36	47	36	36
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		337	259	194	220	194	220	227	209	206	199	205	209	285	214	255	256	206	511	673	731	744	947	1103	1180	1135
PCUF	CUFG	53	52	53	51	53	54	54	52	54	51	53	48	51	53	51	51	51	53	52	51	53	50	53	51	53
PCUF	CUFK	32	34	33	34	33	33	33	33	32	33	31	33	32	33	32	34	33	34	34	34	33	33	31	31	32
Total Co-Gen		85	86	86	85	86	87	87	85	86	83	86	79	84	85	84	85	87	86	84	86	81	84	83	85	80
Total Gen		11088	10782	10568	10369	10215	9961	9858	9748	9730	9673	9725	9723	9908	9904	10045	10080	10498	11577	12168	12416	12844	13073	13441	13548	13437
TIE-BGAT		0	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		30	30	30	30	29	29	31	31	30	30	31	31	30	30	30	30	30	30	30	30	31	31	31	31	30
TIE-PLTG		6	2	20	-20	46	-97	-1	-63	-21	-26	20	4	-39	-12	23	30	-19	70	-21	15	-18	-34	-13	19	
Interconnection		36	32	50	10	75	-68	30	-32	9	4	51	35	-9	18	53	60	12	101	9	45	12	-4	17	49	

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																												
System Total		11052	10750	10518	10359	10140	10029	9828	9780	9721	9669	9674	9688	9917	9886	9992	10020	10486	11476	12159	12371	12832	13077	13424	13499	13350	13146	12778	12765	12858	13034	13200	13239	13289	13238	12988	12684	12324	12266	12533	13000	12945	12794	12573	12438	12064	11763	11573	11322				
SRev ST-Coal		72	92	191	380	385	543	530	529	543	545	528	527	526	524	524	523	506	204	152	87	74	77	100	89	68	17	149	140	147	116	115	86	73	94	116	51	143	73	93	91	83	189	259	317	359	395	404	391				
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 CCGT-Gas		1472	1576	1626	1642	1644	1588	1488	1464	1473	1516	1442	1446	1334	1282	1167	1137	1000	856	683	630	256	225	163	288	344	531	945	1033	1035	913	704	636	592	518	487	469	520	720	489	249	371	371	368	340	318	429	445	495				
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	0	40	40	130	0	0	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 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	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	0	
Syncon		627	627	626	626	626	626	475	476	626	626	626	626	475	626	475	626	626	474	474	474	474	474	474	474	172	172	172	172	172	172	172	172	172	172	172	323	424	726	726	726	575	273	273	273	273	575	726	726	726			
Hydro		196	149	140	109	135	109	253	120	123	130	124	120	195	115	225	73	123	175	318	310	302	259	238	378	363	461	440	437	361	354	373	386	337	347	291	319	119	115	81	179	350	369	277	293	168	106	97	127				
S.Reserve Total		2467	2544	2683	2862	2895	2971	2851	2694	2870	2922	2825	2824	2635	2652	2496	2464	2360	1714	1632	1506	1106	1035	1015	967	1077	1181	1706	1782	1715	1555	1364	1280	1174	1131	1217	1263	1508	1634	1389	1094	1077	1202	1177	1223	1420	1656	1672	1739				