

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	0	MW
ST-Oil	150	MW
Gas	4,121	MW
Hydro	1,923	MW
Distillate	60	MW
Total TNB	8,234	MW
Total IPP	10,252	MW
Total Co-Gen	89	MW
System Total	19,135	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00

TNB Generation	5,956	MW
IPP Generation	7,138	MW
Total Set On Bus	13,976	MW
Maximum Demand	13,240	MW
Spinning Reserve	793	MW
Net Energy	280,717	MWH
Load Factor	88.3	%

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	11569	10934	10505	10193	9850	9743	9738	9992	10201	11512	12256	12761	12848	12435	12542	13118	13240	12904	12010	11890	12852	12661	12176	11911

Gas Usage

Station	(mmscfd)
GLGR	60
PAKA	49
PGPS	53
SRDG	26
TJGS	206
TNB Total	394
KLPP	106
PGLA	108
PLPS	102
SGB3	83
SKSP	50
YPGS	68
YPKA	80
IPP Total	598
Total Gas	992
Total Gas Required :	992
Gas Calorific Value :	38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	46,589.00	16.60 %
Gas	53,355.00	19.01 %
Hydro	20,355.00	7.25 %
Total TNB	120,299.0	42.85 %
ST-Coal	76,829.0	27.37 %
ST-Oil	100.0	0.04 %
Gas	81,001.0	28.86 %
Total IPP	157,930.0	56.26 %
Co-Gen	2,332.0	0.83 %
Total Co-Gen	2,332.0	0.83 %
Total Generation	280,561.0	99.94 %
PLTG	385.0	0.14 %
HVDC	-541.0	-0.19 %
Interconnection	-156.0	-0.06 %
Net Energy	280,717.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	250
Hydro	161
Syncon	376
Thermal	40
Total	827

Weather Temperature

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	35

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	
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	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	
BSIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	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	
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	23	23	24	24	24	23	23	24	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
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	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	
KNYR	HY02	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
KNYR	HY03	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	
KNYR	HY04	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LPIA	HY01	19	21	23	26	24	23	23	23	23	23	22	20	22	24	23	23	23	23	23	23	22	22	22	22	
LPIA	HY02	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	
PGAU	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	
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	-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	HY03	36	35	34	38	38	40	35	36	36	40	33	37	36	38	42	36	39	39	37	39	41	84	84	88	
TMGR	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	
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		549	445	446	454	452	474	447	448	448	558	550	555	552	578	559	577	557	557	559	658	812	1327	1333	1341	
PCUF	CUFG	54	52	53	51	51	52	53	53	53	51	53	54	52	52	53	52	53	51	51	52	53	52	50	52	
PCUF	CUFK	37	38	39	38	39	39	39	39	39	40	40	40	40	40	41	40	39	37	36	35	34	34	34	34	37
Total Co-Gen		91	90	92	89	90	91	92	92	92	91	92	94	92	92	91	92	93	90	92	93	93	90	90	89	
Total Gen		11523	11198	10931	10733	10479	10407	10185	10051	10008	9674	9740	9735	9706	9903	9935	10120	10254	10949	11500	11923	12134	12520	12842	12950	
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	
TIE-HVDC		-29	-29	-29	-30	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-28	-28	-30	-30	-30	
TIE-PLTG		-17	39	26	-42	3	19	22	54	187	-69	27	-43	-3	-45	-28	147	82	23	18	-22	-93	-25	110	9	
Interconnection		-46	10	-3	-72	-26	-10	-8	24	158	-98	-3	-73	-32	-74	-57	118	53	-6	-12	-52	-122	-54	81	-20	

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		11569	11188	10934	10805	10505	10417	10193	10027	9850	9772	9743	9808	9738	9977	9992	10002	10201	10955	11512	11975	12256	12574	12761	12970	12848	12704	12435	12516	12542	12885	13118	13070	13240	13139	12904	12390	12010	11857	11890	12446	12852	12732	12661	12438	12176	12225	11911	11964	
SRev ST-Coal		41	39	36	180	419	421	423	414	425	451	448	448	450	436	446	439	443	169	66	58	22	53	43	78	66	64	44	37	37	31	36	35	38	38	48	40	70	87	90	84	45	53	48	49	35	50	46	48	
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
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
SRev CCGT-Gas		251	473	746	805	818	911	1105	1250	1272	1635	1606	1616	1640	1646	1607	1472	1336	923	499	215	194	353	133	125	259	198	177	147	154	194	155	264	146	182	227	267	227	381	271	125	207	236	268	108	343	196	327	255	
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	92	75	78	75	75	75	76	160	111	157	155	155	155	114	79	79	79	70	7	5	7	3	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
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
Syncon		625	625	625	625	474	625	625	625	625	625	625	625	474	625	474	625	625	625	625	625	625	625	323	323	323	323	474	474	474	474	323	323	323	323	323	474	776	776	776	776	539	237	388	539	690	690	474	776	776
Hydro		114	118	117	109	111	240	116	115	115	123	118	121	246	114	247	116	116	118	119	115	257	251	252	274	217	152	153	153	255	232	132	131	147	151	98	147	147	145	229	289	220	170	132	145	240	104	101		
S.Reserve Total		1031	1255	1524	1719	1973	2046	2269	2404	2437	2826	2802	2807	2836	2802	2792	2632	2520	1833	1308	1017	956	988	842	853	1000	1028	922	886	894	963	857	911	793	845	1055	1295	1299	1470	1361	1047	785	902	1032	982	1213	960	1253	1180	