

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	150 MW
Gas	4,396 MW
Hydro	1,744 MW
Distillate	0 MW
Total TNB	7,670 MW
Total IPP	11,852 MW
Total Co-Gen	47 MW
System Total	19,569 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:30	
TNB Generation	4,056 MW
IPP Generation	8,666 MW
Total Set On Bus	13,763 MW
Maximum Demand	12,821 MW
Spinning Reserve	994 MW
Net Energy	273,166 MWH
Load Factor	88.8 %

Maximum Demand Record

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	12463	11857	11499	11051	10859	10755	10576	10207	9621	10163	10661	11252	11376	11414	11586	11718	11643	11429	11225	11411	12369	12747	12768	12615

Gas Usage

Station	(mmscfd)
GLGR	57
PGPS	28
TJGS	184
TNB Total	269
KLPP	98
MPSS	56
PGLA	52
PLPS	92
SGB3	43
SKSP	50
YPGS	25
YPKA	80
IPP Total	495
Total Gas	764

Total Gas Required : 899
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	135
Total	135

Generation Mix

Type	MWh	Percentage
ST-Coal	32,817.00	12.01 %
Gas	36,912.00	13.51 %
Hydro	6,932.00	2.54 %
Total TNB	76,661.0	28.06 %
ST-Coal	117,690.0	43.08 %
ST-Oil	13,275.0	4.86 %
Gas	63,577.0	23.27 %
Total IPP	194,542.0	71.22 %
Co-Gen	1,241.0	0.45 %
Total Co-Gen	1,241.0	0.45 %
Total Generation	272,444.0	99.74 %
PLTG	-21.0	-0.01 %
HVDC	-701.0	-0.26 %
Interconnection	-722.0	-0.26 %
Net Energy	273,166.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	314
Hydro	106
Syncon	454
Thermal	20
Total	895

Weather
Temperature

Morning	Sunny	29
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																										
Total CCGT-Gas		5201	4833	4591	4370	4209	4063	3980	3736	3623	3654	3630	3591	3552	3411	3255	3034	3001	3207	3424	3551	3512	3949	4120	4285	4183	4187	4242	4424	4405	4576	4573	4664	4460	4414	4303	4151	4033	4065	4143	4547	4879	5002	5071	5062	5124	5116	5012	5017		
BSIA	HY03	11	11	12	11	13	12	11	11	12	10	12	12	11	11	12	10	11	9	11	11	10	10	10	10	12	10	11	10	12	11	10	11	11	11	10	12	12	12	12	11	12	12	10	11	12	12	11	12		
CEND	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
CEND	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	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	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	34	35	36	35	37	35	35	35	35	33	35	35	35	35	35	31	34	34	33	33	36	37	36	36	35	37	37	36	37	36	37	36	37	36	37	35	37	37	37	37	37	36	37	38	36	36	37	37	36	37
KNYR	HY01	67	65	84	63	100	100	59	61	77	57	100	56	52	61	64	88	56	88	52	62	75	64	58	58	76	59	86	55	87	85	60	61	68	81	56	100	63	89	100	69	100	98	60	75	98	73	63	68		
KNYR	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
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	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
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	-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	-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	-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	50	50	50	50	50	50	49	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	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	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	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	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
TMGR	HY04	37	75	76	76	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Total Hydro		242	279	301	278	270	240	197	198	216	167	189	148	160	147	150	177	139	225	161	198	210	194	206	191	217	184	241	181	228	242	183	186	204	218	186	243	204	230	247	364	518	692	759	758	685	660	546	471		
PCUF	CUFG	9	9	9	10	10	10	9	9	10	10	9	9	10	10	10	10	10	9	9	9	8	8	8	8	7	8	10	12	13	13	13	13	14	14	14	14	14	13	13	13	14	13	13	13	14	13	13			
PCUF	CUFK	36	31	36	36	37	36	37	37	36	35	36	37	36	36	36	36	36	38	36	37	36	34	34	34	33	32	30	32	32	34	34	34	35	33	35	33	36	35	36	35	37	38	34	34	34	32	33	34		
Total Co-Gen		45	40	45	46	47	47	45	46	47	46	44	45	46	46	46	46	46	48	45	46	45	42	42	42	41	39	38	42	44	47	47	47	48	47	49	47	50	48	49	48	51	51	47	47	48	46	46	47		
Total Gen		12378	12042	11895	11584	11409	11236	11080	10838	10775	10761	10759	10582	10562	10395	10118	9686	9634	9891	10179	10441	10653	11086	11260	11398	11336	11294	11412	11541	11566	11761	11706	11794	11610	11581	11415	11334	11189	11235	11331	11861	12343	12651	12778	12769	12750	12729	12507	12438		
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		
TIE-HVDC		-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-31	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-56	13	-22	-2	-61	-88	58	-21	-55	22	33	51	16	54	-60	-26	42	-22	45	2	21	-38	38	46	-11	21	28	49	9	-5	17	43	-4	43	15	-42	-6	47	-50	56	3	-82	59	-23	11	-37	-79	-2		
Interconnection		-85	-17	-52	-31	-90	-117	29	-50	-84	-7	4	21	-14	25	-89	-55	13	-51	16	-27	-8	-68	8	17	-40	-10	-2	20	-20	-34	-12	14	-33	14	-14	-72	-36	17	-80	27	-26	-110	31	-52	-18	-66	-108	-31		
System Total		12463	12059	11857	11615	11499	11353	11051	10888	10859	10768	10755	10561	10576	10370	10207	9741	9621	9942	10163	10468	10661	11154	11252	11381	11376	11304	11414	11521	11586	11795	11718	11780	11643	11567	11429	11406	11225	11218	11411	11834	12369	12761	12747	12821	12768					

Daily MW Generation On Sunday

29-Jul-2012

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																								
S.Reserve Total		1309	1235	1337	1419	1395	1198	1349	1595	1659	1636	1636	1814	1833	2000	2277	2706	2758	2493	2197	1724	1591	953	985	1075	1254	1773	1271	1129	1101	904	1210	954	1237	1365	1533	1612	1760	1712	1620	1569	1179	971	940	994	914	943	1065	1075