

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	145	MW
ST-Oil	0	MW
Gas	4,026	MW
Hydro	1,718	MW
Distillate	0	MW
Total TNB	7,869	MW
Total IPP	11,700	MW
Total Co-Gen	84	MW
System Total	19,653	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:30

TNB Generation	4,409	MW
IPP Generation	8,339	MW
Total Set On Bus	13,806	MW
Maximum Demand	12,803	MW
Spinning Reserve	974	MW
Net Energy	273,759	MWH
Load Factor	89.1	%

Maximum Demand Record

Date :	16/05/2012	15,723.0 MW
Date :	16/05/2012	325,227.0 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	12430	11898	11342	11010	10606	10509	10354	10023	9877	10256	10862	11472	11496	11290	11593	11711	11628	11602	11280	11509	12677	12783	12569	12429

Gas Usage

Station	(mmscfd)
GLGR	16
PGPS	28
TJGS	154
TNB Total	198
KLPP	74
MPSS	60
PGLA	68
PLPS	101
SGB3	38
SKSP	53
YPGS	30
YPKA	94
IPP Total	518
Total Gas	717

Total Gas Required : 856
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	133
TJGS	7
Total	140

Generation Mix

Type	MWh	Percentage
ST-Coal	47,070.00	17.19 %
Gas	27,163.00	9.92 %
Hydro	18,523.00	6.77 %
Distillate	859.00	0.31 %
Total TNB	93,615.0	34.20 %
ST-Coal	98,324.0	35.92 %
ST-Gas	231.0	0.08 %
ST-Oil	13,076.0	4.78 %
Gas	67,163.0	24.53 %
Total IPP	178,794.0	65.31 %
Co-Gen	2,136.0	0.78 %
Total Co-Gen	2,136.0	0.78 %
Total Generation	274,545.0	100.29 %
PLTG	55.0	0.02 %
HVDC	731.0	0.27 %
Interconnection	786.0	0.29 %
Net Energy	273,759.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	255
Hydro	135
Syncon	355
Thermal	29
Total	774

Weather Temperature

Time	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	
GLGR	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
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	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
BSIA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
BSIA	HY03	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
CEND	HY02	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	HY03	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	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	35	35	35	36	35	35	35	35	34	35	35	22	22	23	34	34	36	34	36	34	35	35	35	35	
KNRG	HY02	35	35	35	35	35	35	35	35	35	35	35	22	23	23	34	34	35	35	35	35	35	35	35	35	
KNRG	HY03	35	35	35	35	35	35	35	35	35	35	35	21	22	22	35	35	36	35	35	35	35	35	35	35	
KNYR	HY01	97	0	0	0	60	63	60	97	97	97	97	57	66	98	98	98	98	98	98	98	98	98	98	98	
KNYR	HY03	95	96	96	96	96	96	96	95	95	95	95	57	66	65	67	97	72	97	66	97	66	97	91	60	
KNYR	HY04	95	96	96	96	96	96	96	95	95	95	95	57	67	97	97	96	94	96	96	96	96	96	96	96	
LPIA	HY02	21	19	20	21	21	19	19	20	19	20	19	21	19	20	20	20	20	20	20	20	20	20	20	20	
MNOR	HY01	3	3	3	3	1	1	1	1	1	1	1	1	1	1	3	3	3	3	6	6	6	6	6	6	
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	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	21	-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	30	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	65	77	61	80	73	58	52	69	61	65	58	38	67	55	-1	-1	-1	79	49	80	39	80	57	65	
TMGR	HY02	58	63	62	84	73	47	55	75	65	67	53	40	74	56	44	39	87	47	43	85	38	80	58	68	
TMGR	HY03	55	62	60	81	75	45	52	75	64	63	52	37	65	54	40	0	38	41	81	38	80	55	64	39	
TMGR	HY04	75	77	76	77	76	75	76	76	77	75	74	76	-1	-1	-1	-1	-1	42	76	39	74	55	60	41	
Total Hydro		759	688	691	734	707	634	732	766	734	774	741	710	785	667	549	384	463	637	632	834	595	803	781	838	
TJGS	GT2A	76	123	119	22	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2B	118	116	117	115	117	117	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	ST2C	171	186	187	68	80	196	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Distillate		365	425	423	205	261	313	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	52	51	52	51	53	52	53	54	52	53	53	51	51	52	52	52	52	51	50	51	51	52	51	52	
PCUF	CUFK	32	31	31	32	34	33	34	32	34	32	33	32	31	33	33	35	33	30	29	30	29	28	28	28	
Total Co-Gen		84	82	83	83	87	87	86	86	84	86	85	84	84	84	87	85	83	81	83	82	81	79	80	80	
Total Gen		12467	12198	11948	11637	11394	11202	11015	10905	10728	10488	10514	10369	10391	10246	10048	9799	9819	10163	10252	10581	10915	11338	11548	11647	
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		30	31	31	31	31	30	30	29	30	31	32	29	29	32	29	32	31	31	31	29	31	31	31	31	
TIE-PLTG		7	-39	19	-49	21	3	-25	-30	93	-27	-26	117	5	48	-4	-78	-87	-51	-35	1	22	-4	47	-28	
Interconnection		37	-8	50	-18	52	33	5	-1	122	3	5	148	37	77	25	-46	-58	-19	-4	32	53	25	76	3	
System Total		12430	12206	11898	11655	11342	11169	11010	10906	10606	10485	10509	10221	10354	10169	10023	9845	9877	10182	10256	10549	10862	11313	11472	11644	
SRev ST-Coal		60	55	66	48	49	52	39	44	54	48	50	110	163	196	278	305	386	420	425	273	114	43	44	37	

