

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,566 MW
Hydro	1,502 MW
Distillate	810 MW
Total TNB	7,258 MW
Total IPP	11,447 MW
Total Co-Gen	83 MW
System Total	18,788 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30	
TNB Generation	5,275 MW
IPP Generation	9,668 MW
Total Set On Bus	15,900 MW
Maximum Demand	15,101 MW
Spinning Reserve	874 MW
Net Energy	316,440 MWH
Load Factor	87.3 %

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	12956	12090	11617	11255	11026	10942	11197	11084	11475	13298	14320	14997	14919	14537	14843	14971	14919	14710	13572	13294	14231	13994	13399	12906

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	61
PAKA	111
PGPS	49
TJGS	109
TNB Total	379
KLPP	49
MPSS	56
PGLA	92
PLPS	67
SGB3	37
SGRI	109
SKSP	39
YPGS	34
YPKA	55
IPP Total	539
Total Gas	917

Total Gas Required : 1,256
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	41
PKLG	132
PLPS	23
SGB3	39
SRDG	4
TJGS	99
Total	339

Generation Mix

Type	MWh	Percentage
ST-Coal	33,085.00	10.46 %
Gas	48,660.00	15.38 %
Hydro	13,566.00	4.29 %
Distillate	14,663.00	4.63 %
Total TNB	109,974.0	34.75 %
ST-Coal	108,147.0	34.18 %
ST-Oil	13,043.0	4.12 %
Gas	69,676.0	22.02 %
Distillate	12,933.0	4.09 %
Total IPP	203,799.0	64.40 %
Co-Gen	1,962.0	0.62 %
Total Co-Gen	1,962.0	0.62 %
Total Generation	315,735.0	99.78 %
PLTG	-3.0	0.00 %
HVDC	-702.0	-0.22 %
Interconnection	-705.0	-0.22 %
Net Energy	316,440.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	383
Hydro	142
Syncon	454
Thermal	15
Total	994

Weather
Temperature

Morning	Cloudy	24
Afternoon	Rainy	30

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	
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT23	130	133	108	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	
SGRI	ST24	76	72	62	65	65	64	64	63	63	64	64	62	62	63	63	64	64	65	67	131	156	218	218	219	
YPGS	GT12	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	
YPGS	ST10	69	70	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	
YPKA	BLK1	153	152	152	152	152	152	152	153	153	152	152	152	152	153	153	152	152	152	150	150	151	149	149	149	
YPKA	BLK2	160	160	160	159	159	159	159	161	161	159	159	159	159	160	160	160	160	159	158	158	158	157	157	157	
PLPS	GT11	103	102	102	101	67	67	67	67	66	67	68	67	67	67	67	106	101	136	133	133	137	137	136	137	
PLPS	GT12	110	108	109	108	102	74	73	74	74	74	73	73	75	75	74	74	115	109	144	143	142	141	141	140	
PLPS	ST18	126	127	127	127	117	104	101	101	100	101	102	102	101	107	109	107	130	188	212	208	206	204	204	204	204
SKSP	BLK1	333	180	23	0	0	0	0	0	0	0	0	0	0	0	59	218	306	305	258	340	339	338	344	342	
TJGS	GT1A	226	226	229	229	229	229	229	215	178	155	200	196	221	110	119	119	226	229	229	229	226	226	226	226	226
TJGS	GT1B	218	218	218	218	218	221	220	220	202	168	144	187	187	209	97	108	108	213	221	221	217	217	217	217	217
TJGS	ST1C	257	257	257	257	257	257	257	240	211	197	218	222	233	196	161	161	224	255	258	258	258	258	258	259	259
Total CCGT-Gas		5054	4860	4653	4444	4279	4152	3947	3786	3634	3534	3481	3580	3594	3921	3738	3688	3786	4841	5375	5726	5869	6260	6278	6269	
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	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
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	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	7	7	7
CEND	HY03	10	10	10	9	9	10	10	10	10	10	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	27	15	25	21	25	20	19	21	20	21	19	20	24	18	20	20	23	22	23	24	28	26	26	29	25
KNRG	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
KNYR	HY01	100	88	100	70	100	99	88	91	92	100	71	100	100	57	68	-1	-1	100	94	96	100	100	100	99	0
KNYR	HY02	100	46	99	71	84	76	98	98	75	99	65	100	98	97	62	76	100	84	55	54	100	74	100	100	83
KNYR	HY03	99	76	95	87	99	89	88	88	99	99	91	99	99	93	92	89	92	92	55	57	92	95	93	98	89
LPIA	HY02	20	20	20	22	20	22	21	22	21	21	20	20	21	22	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	5	5	5	5	5	5	5	5	5	5
PGAU	HY02	-1	-1	-1	16	-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	22	-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	0	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
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	0	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
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
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
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	85	35	80	57	85	84	73	40	40	79	45	52	84	38	40	40	83	63	37	42	84	49	83	82	67
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
Total Hydro		477	326	465	390	458	436	433	406	393	488	356	436	470	388	349	289	362	506	329	339	472	606	872	912	773
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT33	0	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

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
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2A	227	227	121	236	235	236	236	236	236	236	236	234	236	121	233	230	229	229	228	228	226	226	227	227
TJGS	GT2B	224	224	118	0	0	0	0	0	0	0	0	0	20	118	231	227	227	227	227	224	226	224	224	224
TJGS	ST2C	244	245	169	120	115	117	117	121	118	118	115	117	118	118	118	169	231	240	241	241	242	242	242	244
Total Distillate		695	696	408	356	350	353	353	357	354	354	351	353	354	352	374	408	695	747	1076	1230	1342	1363	1394	1449
PCUF	CUFG	16	15	15	16	14	13	18	20	47	50	50	49	51	50	51	50	50	50	50	50	49	48	51	51
PCUF	CUFK	29	29	30	30	32	32	32	31	30	31	34	34	32	32	32	32	31	32	31	29	26	28	33	33
Total Co-Gen		45	44	45	46	46	45	50	51	77	81	84	83	83	82	83	82	81	81	81	79	76	79	83	83
Total Gen		12848	12460	12071	11630	11545	11381	11250	11063	11002	11020	10835	11003	11074	11302	11110	11026	11480	12733	13416	13943	14264	14628	14941	15026
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	-30	-29	-29	-29	-29	-30	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-78	171	10	27	-43	-27	24	35	5	-1	-77	63	-93	54	55	30	34	66	147	31	-27	15	-26	-45
Interconnection		-108	141	-19	-2	-72	-56	-5	5	-24	-30	-107	33	-123	24	26	1	5	37	118	2	-56	-14	-56	-75
System Total		12956	12319	12090	11632	11617	11437	11255	11058	11026	11050	10942	10970	11197	11278	11084	11025	11475	12696	13298	13941	14320	14642	14997	15101
SRev ST-Coal		8	53	29	78	76	78	27	31	33	24	24	36	14	29	22	28	31	27	30	16	49	-4	2	2
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
SRev ST-Oil		3	1	56	56	56	56	56	56	11	1	1	1	1	0	0	1	1	3	3	3	3	3	3	3
SRev CCGT-Gas		573	527	664	376	541	668	873	1034	1186	1286	1339	1240	1226	899	1082	1132	1481	1416	752	621	558	237	219	228
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	0
SRev Distillate		5	4	172	-6	0	-3	-3	-7	-4	-4	-1	-3	-4	-2	206	172	5	93	184	170	58	37	116	61
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
Syncon		625	625	625	474	625	625	625	625	474	625	625	625	474	625	726	726	539	625	625	625	453	302	539	539
Hydro		21	172	33	259	40	62	65	92	105	161	142	62	28	261	149	108	35	78	169	159	28	261	167	278
S.Reserve Total		1235	1382	1579	1237	1338	1486	1643	1831	1956	1942	2130	1961	1890	1661	2084	2167	2279	2156	1763	1594	1321	1158	959	874