

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	145 MW
Gas	3,501 MW
Hydro	1,730 MW
Distillate	730 MW
Total TNB	7,486 MW
Total IPP	10,504 MW
Total Co-Gen	71 MW
System Total	18,061 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30	
TNB Generation	5,647 MW
IPP Generation	9,410 MW
Total Set On Bus	16,144 MW
Maximum Demand	15,176 MW
Spinning Reserve	1,010 MW
Net Energy	312,258 MWH
Load Factor	85.7 %

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	11971	11271	10900	10552	10287	10231	10582	10612	11400	13241	14026	14787	14816	14516	14936	15122	15135	14715	13709	13637	14276	14021	13492	12896

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	59
PAKA	134
PGPS	11
SRDG	0
TJGS	197
TNB Total	458
KLPP	67
MPSS	55
PLPS	120
SGB3	88
SGRI	140
SKSP	38
YPGS	58
YPKA	130
IPP Total	697
Total Gas	1,156
Total Gas Required :	1,412
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	39
PDPS	8
PGPS	31
PKLG	135
SGB3	7
SGRI	7
SRDG	29
Total	256

Generation Mix

Type	MWh	Percentage
ST-Coal	33,096.00	10.60 %
Gas	60,555.00	19.39 %
Hydro	13,159.00	4.21 %
Distillate	6,260.00	2.00 %
Total TNB	113,070.0	36.21 %
ST-Coal	86,927.0	27.84 %
ST-Oil	13,295.0	4.26 %
Gas	89,974.0	28.81 %
Distillate	7,648.0	2.45 %
Total IPP	197,844.0	63.36 %
Co-Gen	2,024.0	0.65 %
Total Co-Gen	2,024.0	0.65 %
Total Generation	312,938.0	100.22 %
PLTG	41.0	0.01 %
HVDC	639.0	0.20 %
Interconnection	680.0	0.22 %
Net Energy	312,258.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	350
Hydro	191
Syncon	382
Thermal	-1
Total	922

Weather		Temperature
Morning	Cloudy	24
Afternoon	Hot	34

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	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	ST24	73	61	61	63	63	61	61	61	61	62	62	62	61	61	60	65	137	144	202	217	219	221	217	217
YPGS	GT11	114	127	129	127	128	129	129	129	127	128	128	126	126	124	124	122	124	124	121	121	120	120	120	122
YPGS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPGS	ST10	61	67	68	68	68	67	67	68	68	67	65	65	133	138	138	139	139	139	139	139	139	139	138	138
YPKA	BLK1	332	363	363	367	367	365	365	365	367	367	368	368	366	366	369	369	366	366	362	362	359	359	354	354
YPKA	BLK2	332	361	361	365	365	362	362	363	363	366	366	366	365	365	366	366	363	363	360	360	360	360	359	359
PLPS	GT11	125	126	116	131	117	138	113	114	114	141	138	140	137	111	114	120	138	139	140	140	138	137	137	143
PLPS	GT12	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	146	146	146	146	146	146	146	146	146
PLPS	GT13	124	125	115	130	117	136	112	114	112	113	138	138	139	137	113	114	118	137	138	145	144	144	144	144
PLPS	ST18	208	208	211	211	209	209	204	204	202	202	211	211	208	208	203	203	208	208	213	213	214	214	214	214
SKSP	BLK1	330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	337	347	347	340	342	345	341	344
TJGS	GT1A	224	224	224	224	224	224	224	221	206	158	158	175	225	225	225	225	222	222	222	222	218	218	218	218
TJGS	GT1B	221	221	221	221	222	222	222	199	149	153	166	221	221	221	225	222	222	222	218	218	218	218	218	218
TJGS	ST1C	255	255	255	255	255	255	255	198	194	194	254	254	254	254	254	254	254	254	254	254	254	254	254	254
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	122	144	219	217	218	216	216
TJGS	GT2B	220	220	220	220	221	219	219	177	153	159	155	220	220	220	160	156	159	221	209	126	140	215	215	215
TJGS	ST2C	126	127	127	126	127	126	126	126	127	106	104	105	127	126	126	104	105	105	124	119	102	197	260	261
Total CCGT-Gas		5689	5410	5439	5351	5103	5032	4753	4598	4511	4277	4346	4379	4627	4989	4892	4964	5530	6203	6542	6810	7015	7247	7509	7521
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
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	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	HY03	10	10	10	11	10	13	10	9	11	12	13	12	11	9	10	10	13	12	13	10	12	13	10	12
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	8	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
KNRG	HY01	34	33	33	22	26	21	20	18	24	24	27	24	23	18	32	34	35	35	34	34	34	35	35	33
KNYR	HY02	97	97	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY03	95	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY04	64	77	60	75	56	70	52	55	47	63	65	76	66	60	47	58	54	96	95	95	95	85	95	95
LP1A	HY01	21	21	21	21	21	21	20	21	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21
MNOR	HY01	7	7	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
PGAU	HY02	18	-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	18	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	50	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	50	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	50	50	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
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
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
SYPS	HY04	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
TMGR	HY02	34	32	35	34	31	45	28	29	23	38	41	50	41	35	22	32	28	49	81	80	74	81	81	81
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
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

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																														
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		633	477	181	186	162	198	154	170	140	179	184	209	185	172	152	175	358	501	845	985	994	1245	839	1001	1109	682	598	666	821	1084	960	934	945	918	749	479	408	375	417	884	756	766	517	393	290	338	267	335						
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	123	123	123	124	124	122	123	123	122	121	122	123	123	123	123	123	123	122	122	123	123	122	124	124	123	123	124	124	124	124							
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PDPS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PDPS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	76	78	80	74	81	79	80	79	78	79	78	79	82	81	82	81	81	80	80	80	80	81	82	82	82	81	81	82	82	82	82	82	82	82		
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PGPS	ST3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	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	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	0	0	0	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	0	0	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	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	0	0	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	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	122	123	125	121	123	123	124	124	125	122	122	122	121	122	122	121	122	122	121	122	122	121	122	122	121	122	122	121	122	122	121	122	122	121	122	122	
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	198	201	264	418	727	725	720	720	718	846	840	885	1058	1056	1058	1055	1056	828	508	508	508	766	840	803	767	767	768	768	767	770	770	770	770	770	770	770
PCUF	CUFG	44	45	42	43	42	44	43	44	44	44	45	44	44	43	45	44	42	42	42	40	42	40	38	37	36	37	36	37	37	40	40	37	42	40	39	39	40	39	39	39	39	38	42	43	42	43	44	44	44					
PCUF	CUFK	45	45	44	44	46	46	46	46	46	46	46	45	45	45	45	45	40	40	39	39	39	39	33	33	34	34	37	37	37	42	42	41	41	41	41	41	41	41	43	43	42	42	41	41	41	41	41	40	40	40				
Total Co-Gen		89	90	86	87	88	88	90	89	90	90	91	89	89	88	90	89	87	82	82	79	81	79	77	70	69	71	70	74	74	77	77	79	84	81	80	80	81	82	82	81	80	83	84	83	84	84	84	84	84					
Total Gen		11941	11551	11234	11132	10917	10713	10584	10430	10330	10121	10198	10263	10489	10835	10713	10815	11564	12448	13252	13699	14002	14600	14773	14951	14916	14567	14540	14665	14820	15140	15146	15132	15143	15143	14746	14293	13777	13530	13690	14457	14348	14440	14119	13976	13517	13374	13060	12804	12804	12804				
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	0	0	0			
TIE-HVDC		-30	-29	-29	31	31	30	30	31	31	30	30	30	30	31	31	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	31	31	30	30	30	30	31	31	31	31	30	30	30	30	30				
TIE-PLTG		2	-10	-6	65	-12	-39	4	107	14	-52	-61	-86	-121	-57	72	-9	136	-38	-17	-52	-53	23	-42	-56	79	-98	-4	-61	-144	-42	-4	-72	-20	22	2	-38	41	59	24	34	44	58	68	105	-4	10	136	50	50					
Interconnection		-28	-39	-35	96	19	-9	34	138	45	-22	-31	-56	-91	-26	103	21	166	-8	13	-21	-22	53	-12	-26	109	-68	26	-31	-114	-12	26	-42	10	53	33	-8	71	90	55	64	74	89	99	136	27	40	166	80	80					
System Total		11969	11590	11269	11036	10898	10722	10550	10292	10285	10143	10229	10319	10580	10861	10610	10794	11398	12456	13239	13720	14024	14547	14785	14977	14807	14635	14514	14696	14934	15152	15120	15174	15133	15090	14713	14301	13706	13440	13635	14393	14274	14351	14020	13840	13490	13334	12894	12724	12724	12724				
SRRev ST-Coal		65	28	36	47	38	68	5	19	3	17	14	8	4	7	11	6	5	8	7	-4	7	8	-2	-10	-5	3	-7	-7	-12	-14	34	-2	4	2	-4	20	50	-5	-4	-14	-1	-9	-5	5	-12	14	8	-1	-1					
SRRev 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	0		
SRRev CCGT-Gas		331	350	321	409	657	728	937	1092	1319	1553	1484	1451	1203	872	1099	1122	851	758	559	521	621	654	212	220	256	309	262	262	250	240	238	225	223	200	432	362	455	615	497	230	332	220	255	260	533	269	307	433	433					
SRRev 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRRev Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	32	29	66	42	43	45	50	50	52	64	70	135	72	74	72	75	74	192	42	42	42	40	76	113	39	39	38	38	39	36	36	36	36	36		
SRRev 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	0		
Syncon		474	625	726	726	726	726	575	726	726	726	726	575	726	625	474	237	0	151	0	625	474	323	474	625	625	625	474	625	625	625	474	474	474	474	474	625	625	625	625	625	625	474	625	625	625	625	625	474	474					
Hydro		423	128	119																																																			