

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	2,536	MW
Hydro	1,833	MW
Distillate	1,215	MW
Total TNB	7,104	MW
Total IPP	10,941	MW
Total Co-Gen	42	MW
System Total	18,087	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30

TNB Generation	5,415	MW
IPP Generation	9,555	MW
Total Set On Bus	15,919	MW
Maximum Demand	15,163	MW
Spinning Reserve	907	MW
Net Energy	310,471	MWH
Load Factor	85.3	%

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	12092	11436	11044	10611	10441	10360	10369	10643	11241	13099	13945	14643	14755	14424	14934	15087	15127	14647	13607	13678	4144	13842	13308	2879

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	58
PAKA	117
TJGS	111
TNB Total	345
KLPP	61
MPSS	50
PGLA	88
PLPS	106
SGB3	65
SGRI	104
SKSP	40
YPGS	34
YPKA	105
IPP Total	654
Total Gas	999

Total Gas Required : 1,311
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
CBPS	4
KLPP	29
PDPS	6
PGPS	27
PKLG	68
PTEK	6
SGB3	20
SGRI	20
SRDG	19
TJGS	114
Total	312

Generation Mix

Type	MWh	Percentage
ST-Coal	32,774.00	10.56 %
Gas	44,446.00	14.32 %
Hydro	12,669.00	4.08 %
Distillate	21,972.00	7.08 %
Total TNB	111,861.0	36.03 %
ST-Coal	94,550.0	30.45 %
ST-Gas	531.0	0.17 %
ST-Oil	6,693.0	2.16 %
Gas	85,165.0	27.43 %
Distillate	9,634.0	3.10 %
Total IPP	196,573.0	63.31 %
Co-Gen	1,298.0	0.42 %
Total Co-Gen	1,298.0	0.42 %
Total Generation	309,732.0	99.76 %
PLTG	-41.0	-0.01 %
HVDC	-698.0	-0.22 %
Interconnection	-739.0	-0.24 %
Net Energy	310,471.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	297
Hydro	221
Syncon	409
Thermal	14
Total	941

Weather Temperature

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 32

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	
YPGS	GT12	131	131	131	130	131	129	130	130	130	130	128	129	127	125	126	127	125	125	124	126	127	128	129	129	129
YPGS	ST10	69	68	70	69	69	69	69	69	68	68	68	69	69	69	69	69	69	69	69	69	68	68	68	69	69
YFKA	BLK1	293	293	295	295	295	296	296	296	295	295	295	291	291	288	288	289	291	291	286	286	286	288	288	290	290
YFKA	BLK2	295	295	297	297	295	295	295	296	296	296	295	295	295	289	289	291	291	294	294	288	288	288	290	290	292
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	38	115	141	139	138	128	138	138	134	135	130	136	136	136	137
PLPS	GT12	147	147	119	123	120	117	115	127	121	130	116	117	115	116	121	136	118	147	146	146	130	146	145	145	145
PLPS	GT13	141	136	106	111	111	108	107	118	112	117	107	107	105	107	109	125	111	139	138	139	125	138	138	130	131
PLPS	ST18	165	144	134	137	133	133	136	137	131	136	133	132	133	133	141	143	198	215	214	214	210	213	212	206	210
SKSP	BLK1	212	0	0	0	0	0	0	0	0	0	0	0	0	76	337	349	348	343	343	341	344	343	317	329	323
TJGS	GT1A	229	229	229	229	229	198	198	198	154	161	161	217	215	215	215	228	228	228	228	228	224	224	224	224	224
TJGS	GT1B	224	224	224	224	224	190	190	190	149	154	154	208	208	208	224	224	221	221	221	221	221	221	221	221	221
TJGS	ST1C	258	258	258	258	258	225	225	225	216	198	198	237	237	237	240	240	254	258	258	258	258	258	258	258	255
Total	CCGT-Gas	4929	4554	4432	4198	4010	3858	3871	3923	3786	3805	3725	3827	3862	3889	3936	4129	4667	5678	6081	6352	6429	6456	6523	6504	6603
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	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	CCGT-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	11	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	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
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	0
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	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	7
KNRG	HY01	35	35	35	35	35	35	35	35	35	35	34	33	35	35	35	32	35	34	37	34	36	36	32	33	33
KNRG	HY02	35	35	35	36	36	36	36	36	36	36	36	36	36	36	36	35	35	35	35	36	36	36	36	35	35
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	0
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
KNYR	HY04	60	63	60	61	64	61	65	62	61	61	60	53	64	62	64	54	61	99	99	98	99	99	97	56	55
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
MNOR	HY01	5	5	5	5	5	5	5	1	1	1	1	1	1	1	0	5	6	6	6	6	8	8	8	8	8
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-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
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
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	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
SIHY	HY02	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	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
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	0	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	HY02	32	36	32	34	36	34	37	37	34	34	34	32	26	37	33	36	26	34	33	41	28	37	36	53	54
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
UPIA	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
Total	Hydro	385	392	385	388	393	332	246	269	237	257	234	251	216	266	257	240	217	236	623	659	796	812	829	1025	793
CBPS	GT06	0	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	129	128	74	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		
KLPP	GT15	134	134	133	134	134	133	133	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PDP5	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	
PGPS	GT3B	96	96	97	96	96	97	97	96	97	96	97	96	96	96	96	95	95	94	94	94	94	93	93	93	93	
PGPS	ST3C	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
PTEK	GT1B	0	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	
SGRI	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	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	
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	0	
TJGS	GT2A	228	228	227	228	228	227	228	228	228	228	227	229	228	228	227	228	228	228	228	228	226	228	228	227	227	227
TJGS	GT2B	225	225	225	226	225	224	225	225	225	225	224	224	224	224	224	224	224	224	224	224	225	225	225	225	225	225
TJGS	ST2C	244	244	244	244	244	244	244	244	243	244	244	244	244	245	245	246	245	245	245	245	245	245	245	245	245	245
Total Distillate		1100	1099	1044	972	971	969	971	863	838	839	837	835	837	836	835	835	835	1084	1204	1453	1494	1613	1590	1596	1598	1715
PCUF	CUFG	21	21	21	21	21	22	21	21	22	20	22	23	22	21	21	21	21	20	19	18	18	17	17	17	17	17
PCUF	CUFK	29	30	29	30	28	30	30	29	31	32	30	30	30	30	29	23	26	25	26	25	24	23	26	25	25	23
Total Co-Gen		50	51	50	51	49	52	51	50	51	52	53	52	50	52	53	63	60	61	59	54	48	49	48	48	46	40
Total Gen		11991	11612	11435	11156	10977	10783	10568	10505	10309	10373	10277	10393	10407	10525	10589	10801	11282	12295	13087	13411	13942	14208	14552	14814	14750	14430
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
TIE-HVDC		-29	-29	-29	-28	-28	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-72	-85	28	-81	-39	-74	-14	52	-103	-53	-53	-2	67	-94	-25	-78	70	23	17	-94	26	-29	-62	-21	25	53
Interconnection		-101	-114	-1	-109	-67	-103	-43	23	-132	-83	-83	-31	38	-123	-84	-107	41	-6	-12	-123	-3	-58	-91	-51	-5	24
System Total		12092	11726	11436	11265	11044	10886	10611	10482	10441	10456	10360	10424	10369	10648	10643	10908	11241	12301	13099	13534	13945	14266	14643	14865	14755	14406
SRev ST-Coal		20	31	23	3	42	28	171	201	208	185	180	182	188	150	124	-38	-8	10	16	-6	-80	13	1	7	5	
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
SRev CCGT-Gas		261	121	243	407	595	747	734	682	959	940	1020	918	883	856	809	1216	1058	497	639	393	321	234	167	186	257	
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	0	0
SRev Distillate		15	16	71	3	4	6	4	112	-3	-4	-2	0	-2	-3	-2	-1	0	0	0	0	31	51	62	131	120	
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	
Syncon		640	640	640	640	640	338	640	489	640	489	640	489	640	489	489	640	640	640	338	338	338	338	338	338	338	338
Hydro		117	110	117	114	109	372	106	234	115	246	118	252	136	237	246	112	135	116	276	240	343	367	285	204	235	
S.Reserve Total		1138	1003	1179	1252	1475	1626	1740	1803	2004	1941	2041	1926	1930	1814	1751	2014	1910	1348	1359	1055	953	1003	1004	1060	1192	1241