

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,071 MW
Hydro	1,808 MW
Distillate	0 MW
Total TNB	7,089 MW
Total IPP	10,627 MW
Total Co-Gen	86 MW
System Total	17,802 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30		
TNB Generation	5,726 MW	
IPP Generation	8,789 MW	
Total Set On Bus	15,786 MW	
Maximum Demand	14,582 MW	
Spinning Reserve	1,185 MW	
Net Energy	296,378 MWH	
Load Factor	84.7 %	

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	11116	10553	10141	9813	9719	9549	10029	10261	10760	12316	13191	14098	14134	13794	14326	14469	14554	14199	13115	12967	13727	13402	12979	12745

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	57
PAKA	64
PGPS	42
SRDG	24
TJGS	103
TNB Total	337
KLPP	74
MPSS	48
PDPS	1
PGLA	92
PKLG	3
PLPS	119
SGB3	78
SGRI	64
SKSP	38
YPGS	35
YPKA	138
IPP Total	689
Total Gas	1,026

Total Gas Required : 1,026
Gas Calorific Value : 38.500
Generation Mix

Type	MWh	Percentage
ST-Coal	48,621.00	16.41 %
Gas	42,108.00	14.21 %
Hydro	11,943.00	4.03 %
Total TNB	102,672.0	34.64 %
ST-Coal	99,917.0	33.71 %
ST-Oil	2,259.0	0.76 %
Gas	89,597.0	30.23 %
Total IPP	191,773.0	64.71 %
Co-Gen	2,308.0	0.78 %
Total Co-Gen	2,308.0	0.78 %
Total Generation	296,753.0	100.13 %
PLTG	-348.0	-0.12 %
HVDC	723.0	0.24 %
Interconnection	375.0	0.13 %
Net Energy	296,378.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	364
Hydro	179
Syncon	396
Thermal	19
Total	958

Weather Temperature

Weather	Temperature
Morning	Sunny 28
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	
YPKA	BLK1	392	392	391	391	393	393	393	390	390	392	388	388	389	389	388	386	384	384	384	382	382	378	378	378	378
YPKA	BLK2	391	391	389	389	391	391	391	389	389	390	390	387	387	388	388	386	386	384	382	382	384	384	381	381	378
PLPS	GT11	115	118	116	115	122	128	118	139	125	126	116	142	116	114	116	135	135	140	138	124	134	140	140	140	
PLPS	GT12	117	122	120	118	127	132	122	143	130	128	119	144	118	117	119	140	139	143	140	129	136	143	143	144	
PLPS	GT13	116	114	112	112	119	124	115	135	121	118	113	137	111	110	111	133	130	135	131	120	128	137	136	137	
PLPS	ST18	199	199	201	201	199	209	201	213	202	204	200	212	200	202	200	213	203	211	211	209	211	212	212	213	
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	41	74	233	340	334	337	341	341	337	330	334	337	337	
TJGS	GT2A	211	211	212	165	165	164	163	165	165	166	165	165	165	167	165	165	185	213	214	211	210	212	212	213	
TJGS	GT2B	216	216	214	160	160	158	159	161	162	157	160	161	160	159	158	161	176	215	215	215	215	212	212	212	
TJGS	ST2C	261	260	261	227	227	227	227	227	228	227	227	226	226	226	226	229	259	260	261	259	259	258	258	259	
Total CCGT-Gas		4669	4245	4036	3767	3712	3741	3730	3855	3787	3756	3736	3855	3773	3790	3791	3929	4108	4963	5673	6111	6251	6409	6503	6617	
PDPS	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	
PKLG	GT09	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	
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	
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	139	138	139	138	139	138	139	138	
Total CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	265	360	361	359	360	358	456	503	
BSIA	HY01	11	11	11	11	11	11	12	11	11	11	11	11	11	11	11	11	11	11	11	12	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	
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	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	
CEND	HY03	10	10	10	10	9	10	10	10	9	10	10	10	10	10	10	9	9	9	9	9	9	10	9	10	
KNRG	HY01	36	36	36	37	36	37	37	38	37	37	37	39	38	37	37	38	38	38	38	36	37	36	38	38	
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	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	101		
KNYR	HY02	54	61	58	57	56	61	62	73	62	60	65	72	63	62	68	66	66	58	57	59	72	66	61		
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	
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	
LPIA	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	
LPIA	HY02	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
PGAU	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	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	45	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	-1	21	-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	82	-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	
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	-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	26	32	29	28	28	32	33	43	33	31	36	43	34	33	33	38	36	29	28	30	42	36	33		
TMGR	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	
TMGR	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	
UPLA	HY01	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		183	196	190	189	209	196	199	222	282	194	205	267	222	199	199	186	182	182	163	385	504	798	848	876	

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																										
PCUF	CUPG	52	53	53	52	53	51	53	52	50	53	52	52	54	53	50	53	51	53	51	51	51	53	54	51	52	53	52	50	51	51	50	52	52	50	52	52	50	51	54	52										
PCUF	CUFK	39	40	39	40	39	38	38	40	39	38	40	41	38	39	40	39	40	40	38	34	32	32	30	33	33	33	33	34	36	34	35	36	35	34	34	34	34	35	34	35	36	39								
Total Co-Gen		91	93	92	92	92	89	91	93	91	88	93	92	93	92	90	92	91	93	91	93	91	92	95	91	87	83	83	81	86	87	84	85	87	88	84	86	87	85	86	86	84	86	87	84	86	90	91			
Total Gen		11149	10750	10524	10286	10149	9915	9785	9725	9697	9569	9572	9777	9989	10118	10244	10235	10722	11590	12286	12938	13176	13750	14056	14287	14182	13793	13841	14067	14334	14601	14584	14665	14631	14438	14191	13571	13250	12910	12985	13594	13676	13624	13429	13450	13045	12983	12807	12209		
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				
TIE-HVDC		30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	30	30	31	31	30	30	30	30	30			
TIE-PLTG		3	-73	-59	-60	-22	-39	-58	-150	-53	-3	-7	-125	-70	-21	-47	-39	-68	-28	-60	-98	-45	-51	-71	-32	18	-1	17	-28	-22	-11	85	145	46	63	-38	12	105	28	-13	-51	-81	-45	-4	95	36	-160	32	-93		
Interconnection		33	-43	-29	-30	8	-9	-28	-99	-22	27	23	-95	-40	9	-17	-9	-38	2	-30	-68	-15	-22	-42	-2	48	29	47	2	8	19	115	176	77	93	-8	42	135	59	18	-21	-51	-14	27	125	66	-130	62	-63		
System Total		11116	10793	10553	10316	10141	9924	9813	9824	9719	9542	9549	9872	10029	10109	10261	10244	10760	11588	12316	13006	13191	13772	14098	14289	14134	13764	13794	14065	14326	14582	14469	14489	14554	14345	14199	13529	13115	12851	12967	13615	13727	13638	13402	13325	12979	13113	12745	12272		
SRev ST-Coal		66	54	64	60	220	467	565	615	622	626	620	615	455	319	194	326	16	1	-2	5	28	13	8	17	24	24	13	13	27	11	16	0	5	16	15	9	41	10	7	-2	7	16	3	25	11	6	2	8		
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	0	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	29	28	28	28	28	28	28	28	28	28	28	28	12	-4	-4	-6	-6	-6	-6	-6	-6	-6	-6
SRev CCGT-Gas		302	726	575	844	899	870	881	756	824	855	875	756	928	911	910	1122	1383	1198	588	411	411	443	349	235	409	708	687	678	702	671	723	348	216	286	301	411	449	591	553	117	124	121	316	247	459	420	431	564		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	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		726	726	726	726	575	726	726	576	575	726	726	575	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726			
Hydro		114	107	107	114	245	107	104	81	172	109	98	187	232	104	104	92	96	96	110	63	150	157	258	430	355	254	261	158	70	80	167	127	244	205	244	342	123	119	103	106	168	223	244	114	108	86	186	89		
S.Reserve Total		1208	1613	1472	1744	1939	2170	2276	2028	2193	2316	2319	2133	2190	2060	1934	2266	2221	2021	1427	1210	1164	1058	883	955	1211	1496	1499	1304	1159	1185	1260	924	964	1073	1103	1214	1367	1474	1401	943	955	929	1132	1106	1298	1232	1188	1406		