

Availability At Daily Maximum Demand Hour

ST-Coal	2,075 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,725 MW
Hydro	1,865 MW
Distillate	100 MW
Total TNB	7,835 MW
Total IPP	11,886 MW
Total Co-Gen	85 MW
System Total	19,806 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30

TNB Generation	5,798 MW
IPP Generation	9,702 MW
Total Set On Bus	16,559 MW
Maximum Demand	15,605 MW
Spinning Reserve	974 MW
Net Energy	322,559 MWH
Load Factor	86.1 %

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	12803	12276	11611	11423	11187	11031	11213	11536	11806	13480	14392	15086	15085	14817	15308	15449	15573	15189	13877	13528	14413	14359	13956	13455

Gas Usage

Station	(mmscfd)
CBPS	41
GLGR	56
PAKA	90
PGPS	31
SRDG	27
TJGS	105
TNB Total	349
KLPP	97
MPSS	56
PGLA	86
PLPS	94
SGRI	194
SKSP	30
YPGS	35
YPKA	134
IPP Total	725
Total Gas	1,075
Total Gas Required :	1,200
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	11
PKLG	114
Total	125

Generation Mix

Type	MWh	Percentage
ST-Coal	49,556.00	15.36 %
Gas	43,509.00	13.49 %
Hydro	17,399.00	5.39 %
Distillate	1,410.00	0.44 %
Total TNB	111,874.0	34.68 %
ST-Coal	100,402.0	31.13 %
ST-Gas	1,602.0	0.50 %
ST-Oil	11,125.0	3.45 %
Gas	94,561.0	29.32 %
Total IPP	207,690.0	64.39 %
Co-Gen	2,208.0	0.68 %
Total Co-Gen	2,208.0	0.68 %
Total Generation	321,772.0	99.76 %
PLTG	-89.0	-0.03 %
HVDC	-698.0	-0.22 %
Interconnection	-787.0	-0.24 %
Net Energy	322,559.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	391
Hydro	158
Syncon	409
Thermal	35
Total	993

Weather Temperature

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	37

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	ST24	219	195	198	194	145	141	140	138	143	142	143	144	141	142	145	141	140	197	198	195	223	217	217	221	219	217	219	218	219	219	219	217	218	221	218	219	199	196	221	221	223	216	195	196	218	218	220						
YPGS	GT12	130	130	131	130	130	130	131	132	131	132	132	132	129	129	129	129	127	128	126	125	125	124	126	127	126	127	128	128	131	129	129	128	130	130	130	130	130	130	130	129	130	129	130	129	130	129							
YPGS	ST10	70	70	70	70	69	70	70	70	69	69	69	69	70	70	70	70	70	70	70	70	70	70	70	69	69	70	70	70	70	70	69	69	70	70	69	69	70	70	69	69	70	70	69	69	70	69	69						
YPKA	BLK1	367	372	372	372	372	372	372	374	374	371	371	371	371	371	374	374	374	374	374	374	374	374	371	371	367	367	366	366	366	366	366	366	366	366	366	366	366	369	369	367	367	367	367	367	367	367	371	371	371				
YPKA	BLK2	372	375	375	375	375	375	380	380	378	378	378	378	378	381	381	380	380	376	376	374	374	371	371	371	371	371	370	370	370	370	370	370	370	370	370	373	373	371	371	371	371	371	371	371	371	371	371	371	371	371			
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	75	115	114	135	127	134	133	134	132	133	132	133	124	131	130	127	114	116	116	115	116	125	124	133	135	119	119	119	119	119	0	0	0	0	0	0	0	0		
PLPS	GT12	145	134	127	116	123	124	116	114	116	116	69	68	70	69	69	69	108	109	118	144	129	142	141	141	139	141	140	140	140	128	139	139	131	120	119	120	118	120	130	126	141	141	121	121	121	121	110	110	110	110			
PLPS	GT13	137	124	116	106	113	114	105	106	106	106	60	60	61	61	60	62	60	108	112	110	140	121	137	137	133	134	137	136	136	136	122	135	135	125	113	113	114	112	112	123	120	137	137	114	114	114	114	118	118	118			
PLPS	ST18	181	142	135	134	134	138	132	133	134	132	96	96	95	95	100	100	99	150	198	203	215	201	213	213	209	212	211	211	211	207	209	211	209	203	201	200	200	198	204	208	212	213	207	207	207	207	135	135	135				
SKSP	BLK1	249	77	0	0	0	0	0	0	0	0	0	0	0	176	214	259	340	340	338	332	339	333	334	334	338	301	332	331	316	300	296	246	230	217	256	307	335	212	210	0	0	0	0	0	0	0	0	0	0				
TJGS	GT1A	216	221	221	173	211	213	211	192	113	106	110	131	112	140	202	107	220	204	184	226	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	225	225	225	225	225	225	225	225	228	228	228	228			
TJGS	GT1B	211	216	212	167	207	203	199	186	102	100	99	122	107	132	195	101	210	202	177	219	222	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219				
TJGS	ST1C	236	244	255	218	234	240	232	226	170	152	152	163	162	228	154	219	214	205	254	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258			
Total CCGT-Gas		5529	5311	5014	4727	4358	4376	4181	4089	3885	3810	3690	3831	3782	3937	3962	3713	4230	5164	5992	6269	6749	6844	6962	6958	6941	6986	6984	6855	6857	6860	6725	6838	6835	6761	6698	6690	6310	5924	5922	6301	6558	6620	6511	6354	5978	5853	5563	5256	5256				
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	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	0	
SRDG	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	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	0	0	0	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	0	0	0	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	20	20	21	21	21	21	21	21	21	20	20	20	20	21	21	20	20	20	20	21	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	20	20	20	20	20	20	20	
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	0	0	0	0	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	0	0	0	0	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	9	10	9	10	9	10	10	10	10	10	10	10	10	9	9	10	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	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	9	9	10	9	9	9	9	9	10	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	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	33	33	33	33	33	33	33	33	33	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33		
KNRG	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	0	0	0	0	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	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
KNYR	HY02	109	108	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	
KNYR	HY03	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	
KNYR	HY04	107	107	107																																																		

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																									
Total Hydro		561	569	568	562	567	569	568	563	565	551	584	571	562	572	561	564	564	566	556	589	570	894	1085	1250	1101	886	696	899	1106	1130	1126	1105	1103	1090	857	549	555	556	553	561	753	757	756	758	759	749	753	679	
PGPS	GT3A	91	92	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	90	90	90	91	90	90	90	86	90	90	89	90	90	91	91	90	90	89	90	90	
Total Distillate		91	92	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	90	90	90	91	90	90	90	86	90	90	89	90	90	91	91	90	90	89	90	90	
PCUF	CUPG	51	52	53	51	52	53	51	53	51	52	53	52	52	51	52	53	53	53	52	52	52	52	52	51	51	51	51	52	52	51	52	51	52	53	51	52	52	51	52	51	52	52	52	51	50	52			
PCUF	CUPK	38	39	39	40	40	41	39	41	39	39	37	40	40	40	40	41	40	41	9	8	7	8	9	25	32	33	33	33	34	35	34	35	36	36	35	36	37	35	35	35	38	37	37	37	37	38			
Total Co-Gen		89	91	92	91	92	94	90	94	90	91	90	92	92	90	92	93	94	93	93	61	60	59	60	60	76	83	84	85	85	85	85	85	87	89	87	87	88	88	87	86	87	90	89	89	88	87	90		
Total Gen		12789	12542	12183	11845	11481	11526	11363	11328	11127	11087	11049	11199	11231	11520	11533	11290	11792	12703	13571	13868	14292	14716	15022	15215	15068	14916	14731	14921	15531	15885	15446	15821	15531	15492	15198	14663	13833	13474	13510	13956	14390	14459	14341	14202	13839	13692	13401	13031	
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	
TIE-HVDC		-28	-29	-29	-30	-30	-29	-29	-30	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-30	-30	-28	-30	-29	-28	-29	-31	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-28		
TIE-PLTG		-16	-38	-64	-97	-100	-84	-31	-64	-32	90	47	-35	47	23	26	-30	15	-85	120	-36	-72	-42	-34	11	13	71	-56	-10	51	9	28	-8	-13	-1	38	130	-15	-33	11	-85	6	16	12	-7	-88	51	-25	39	
Interconnection		-44	-67	-93	-127	-130	-113	-60	-94	-60	61	18	-64	18	-6	-3	-59	-14	-114	91	-64	-100	-72	-64	-19	-17	43	-86	-39	23	-20	-3	-37	-42	-30	9	101	-44	-62	-18	-114	-23	-14	-18	-36	-117	22	-54	11	
System Total		12803	12609	12276	11972	11611	11639	11423	11422	11187	11026	11031	11263	11213	11526	11536	11349	11806	12817	13480	13932	14392	14788	15086	15234	15085	14873	14817	14960	15308	15605	15449	15558	15573	15522	15189	14562	13877	13536	13528	14070	14413	14473	14359	14238	13956	13670	13455	13020	
SRev ST-Coal		11	11	13	8	15	13	10	13	12	27	108	178	129	18	13	9	20	56	7	17	16	10	13	16	19	20	12	27	23	22	24	33	20	18	17	47	103	79	44	13	30	21	29	22	14	17	21	11	
SRev ST-Oil		43	15	15	5	3	0	13	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	15	40	42	39	40	40	40	40	40	41	41	12	12	11	11	12	12	12	12	12	11	11	11	11	12	
SRev CCGT-Gas		551	789	696	1093	1322	1304	1499	1591	1795	1870	1990	1849	1898	1745	1718	1967	1780	1226	998	791	481	385	268	292	309	264	266	295	293	290	425	312	315	389	452	460	740	1106	958	579	322	260	369	526	552	547	607	704	
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 Distillate		9	8	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	10	10	10	9	10	10	10	14	10	10	11	10	10	9	9	10	10	11	10	10	
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		625	625	625	625	625	625	625	625	625	474	625	625	625	625	625	625	625	625	625	474	625	474	474	323	474	474	625	474	323	323	323	474	323	323	323	625	625	625	625	625	625	625	625	625	625	625	625	625	625
Hydro		74	66	67	73	68	66	67	72	70	84	202	64	73	63	74	71	71	69	79	197	65	242	258	244	242	152	191	139	183	244	248	118	271	284	416	87	80	79	82	74	82	78	79	77	76	85	82	81	
S.Reserve Total		1313	1514	1489	1804	2033	2008	2214	2312	2513	2617	2785	2727	2736	2460	2441	2684	2508	1987	1720	1490	1198	1123	1024	987	1124	993	1174	1088	1013	974	1112	1029	1022	1039	1231	1432	1569	1911	1732	1313	1081	1005	1123	1271	1288	1447	1356	1443	