

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	80	MW
ST-Oil	80	MW
Gas	3,148	MW
Hydro	1,739	MW
Distillate	1,510	MW
Total TNB	8,537	MW
Total IPP	10,459	MW
Total Co-Gen	68	MW
System Total	19,064	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30		
TNB Generation	6,863	MW
IPP Generation	8,424	MW
Total Set On Bus	16,361	MW
Maximum Demand	15,387	MW
Spinning Reserve	1,006	MW
Net Energy	319,333	MWH
Load Factor	86.5	%

Maximum Demand Record

Date :	09/05/2011	15,476.0 MW
Date :	24/04/2012	320,821.0 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	12558	11951	11413	11021	10920	10646	11134	11005	11447	13343	14130	14933	14934	14602	15086	15224	15279	14951	13796	13673	14560	14347	14063	13516

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	56
PAKA	185
PGPS	47
SRDG	24
TJGS	32
TNB Total	393
KLPP	11
PGLA	52
PKLG	3
PLPS	21
SGB3	43
SGRI	28
SKSP	53
YPGS	34
YPKA	134
IPP Total	380
Total Gas	773

Total Gas Required : 1,206
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PDPS	2
PGLA	36
PKLG	119
PLPS	66
SGB3	34
SGRI	41
SRDG	6
TJGS	129
Total	432

Generation Mix

Type	MWh	Percentage
ST-Coal	47,412.00	14.85 %
Gas	47,682.00	14.93 %
Hydro	26,488.00	8.29 %
Distillate	18,682.00	5.85 %
Total TNB	140,264.0	43.92 %
ST-Coal	93,804.0	29.37 %
ST-Oil	11,665.0	3.65 %
Gas	48,682.0	15.24 %
Distillate	23,660.0	7.41 %
Total IPP	177,811.0	55.68 %
Co-Gen	1,905.0	0.60 %
Total Co-Gen	1,905.0	0.60 %
Total Generation	319,980.0	100.20 %
PLTG	-79.0	-0.02 %
HVDC	726.0	0.23 %
Interconnection	647.0	0.20 %
Net Energy	319,333.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	473
Hydro	140
Syncon	233
Thermal	48
Total	895

Weather Temperature

Weather	Temperature
Morning	Sunny 27
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	ST10	69	69	69	69	69	69	69	69	69	69	69	69	69	68	68	69	68	68	68	68	69	68	68	68	68
YPKA	BLK1	371	370	370	372	372	372	372	373	373	376	376	375	375	371	371	369	369	361	363	363	363	370	370	371	371
YPKA	BLK2	378	378	378	378	378	378	378	378	382	382	381	381	381	380	380	377	377	371	371	374	374	369	369	372	372
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	108	0	0	0	0	0	0	0	0	0	0	0	0	10	67	52	147	142	142	142	142	144	142	142	
PLPS	ST18	130	60	59	59	58	53	54	55	54	55	55	56	55	56	54	53	93	135	129	166	204	203	202	202	
SKSP	BLK1	212	261	295	343	273	212	212	214	251	217	234	243	340	340	329	228	261	262	331	325	343	341	341	338	
TJGS	GT1A	132	83	0	0	0	0	0	0	0	0	0	0	0	121	201	194	194	194	185	155	121	99	95	0	
TJGS	GT1B	125	125	215	213	200	110	113	113	113	113	113	113	110	110	113	193	187	187	187	177	149	110	89	91	
TJGS	ST1C	179	82	114	118	122	74	74	74	74	74	74	74	74	213	221	225	225	222	204	174	149	139	0	0	
TJGS	GT2B	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		4269	3835	3810	3818	3729	3454	3410	3417	3457	3410	3438	3457	3555	3581	3535	3420	3663	4484	4883	5166	5222	5557	5534	5428	
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	96	97	96	
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	99	99	99	
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	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	
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	296	372	374	
BSIA	HY01	22	22	22	23	22	22	23	22	22	23	23	22	23	23	23	23	23	23	23	23	22	22	23	22	
BSIA	HY02	22	23	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	23	23	23	
BSIA	HY03	24	24	24	24	24	24	24	24	24	24	25	24	24	25	24	25	24	25	24	24	24	24	24	24	
CEND	HY01	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	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
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	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
KNRG	HY03	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
KNYR	HY01	98	106	106	106	93	91	91	96	99	96	98	101	106	106	96	94	102	106	100	95	104	100	100	106	
KNYR	HY02	96	105	105	104	95	95	97	82	99	96	99	99	105	105	76	92	96	105	98	94	103	98	99	104	
KNYR	HY03	97	105	105	105	96	96	98	93	99	96	98	100	105	105	95	77	99	105	98	94	103	98	99	104	
KNYR	HY04	97	104	104	104	87	87	91	91	99	95	96	101	104	104	84	92	101	104	99	95	104	99	100	104	
LPIA	HY02	23	24	24	23	24	24	23	23	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
MNOR	HY01	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
PGAU	HY01	-1	-1	58	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	0	0	0	137	112	109	84	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	114	-1	0	0	0	-1	113	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	81	-1	-1	-1	-1	-1	-1	-1	
PGAU	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	
SIHY	HY03	50	0	0	0	0	0	0	50	50	49	50	50	50	49	50	49	50	50	50	50	50	50	50	50	
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	
SYPS	HY04	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	
TMGR	HY01	66	84	83	83	72	70	75	80	38	43	74	83	84	58	61	83	84	82	69	84	82	82	84	82	
TMGR	HY02	71	87	88	87	76	72	72	75	85	41	49	85	87	87	61	64	87	87	85	68	87	86	86	87	
TMGR	HY03	66	84	84	84	72	70	72	74	81	75	46	79	84	84	59	60	84	84	82	67	84	82	82	84	
TMGR	HY04	63	80	80	80	70	68	71	70	77	72	42	76	80	79	77	76	80	80	79	65	80	79	79	80	
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	
Total Hydro		996	1024	1082	1103	930	894	905	949	1013	902	865	1032	1161	1048	901	910	1026	1099	1343	992	1092	1181	1188	1430	
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	103	103	32	
PGLA	GT11	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																										
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	128	128	128	127	127	129	129	128	128	128	128	128	128	128	128	129	129	22	0	0														
SGB3	GT33	94	59	0	0	0	0	0	0	0	0	0	0	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	GT11	0	0	0	0	0	0	0	0	0	0	0	0	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	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														
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														
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140	137	136	136	140	141	139	140	139	141	141	141	139	141	140	140	140	140	140	141	141	136	137												
PLPS	GT12	146	145	147	144	144	119	119	118	120	120	119	118	121	120	119	118	118	119	118	144	143	142	142	141	141	141	142	143	143	143	143	143	142	142	142	142	142	143	143	143	143	143	143	143	143	143				
TJGS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
TJGS	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	224	225	121	197	221	226	179	178	180	179	178	178	178	178	230	226	122	206	62	223	225	225	224	223	223	223	223	223	222	223	223	223	221	221	222	220	222	222	222	223	223	222	223	222	224	224	224	224		
TJGS	GT2B	219	221	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	221	221	221	221	223	223	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	220	220	222	222	221		
TJGS	ST2C	247	249	191	127	114	114	94	99	98	100	98	97	96	98	121	115	87	107	54	255	248	248	247	248	248	246	247	247	247	246	247	246	246	247	250	248	248	248	248	248	249	249	248	249	249	248	249			
Total Distillate		930	899	577	468	479	459	392	395	398	399	396	394	392	397	471	460	370	526	672	1416	1443	1442	1442	1446	1446	1500	1526	1981	2039	2141	2335	2485	2413	2377	2345	2164	2164	2113	2112	2169	2170	2173	2173	2172	2180	2075	1952	1921		
PCUF	CUFG	48	49	48	49	49	47	47	49	49	48	47	48	49	49	47	48	48	48	48	47	46	45	45	46	44	47	47	47	48	49	48	49	48	46	49	49	50	48	48	47	47	48	48	48	48	48				
PCUF	CUFK	32	32	31	35	33	34	35	33	35	34	4	6	6	8	24	33	31	28	26	26	27	27	24	23	23	25	23	22	24	23	24	31	32	27	24	27	27	29	26	28	29	30	29	29	26	28	28	28		
Total Co-Gen		80	81	79	84	82	81	82	84	82	51	54	55	57	71	80	79	77	75	73	75	75	72	71	70	71	68	68	68	68	70	71	78	80	76	72	76	75	75	75	77	79	78	77	76	73	76	76			
Total Gen		12613	12164	11858	11763	11513	11201	11083	11005	10956	10812	10721	10881	11141	11162	11066	11012	11463	12531	13258	14003	14173	14656	14881	15084	14937	14723	14674	14837	15060	15355	15321	15359	15269	15228	14999	14523	13893	13606	13722	14486	14519	14505	14374	14232	14068	13913	13595	13366		
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		31	31	30	30	30	31	31	30	30	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	29	29	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31		
TIE-PLTG		24	-86	-123	33	70	33	31	42	6	43	45	4	-23	-184	31	-86	-15	-118	-116	67	13	-19	-83	-81	-27	-31	42	15	-56	-62	67	51	-40	-29	18	26	66	-3	20	121	-71	-70	-3	-110	-25	35	48	48		
Interconnection		55	-55	-93	63	100	63	62	73	36	73	75	34	7	-154	61	-56	16	-87	-85	98	43	11	-52	-50	3	-1	72	45	-26	-32	97	81	-10	1	48	57	97	26	49	151	-41	-40	27	-80	5	65	79	79		
System Total		12558	12219	11951	11700	11413	11138	11021	10932	10920	10739	10646	10847	11134	11316	11005	11068	11447	12618	13343	13905	14130	14645	14933	15134	14934	14724	14602	14792	15086	15387	15224	15278	15279	15227	14951	14466	13796	13580	13673	14335	14560	14545	14347	14312	14063	13848	13516	13287		
SRev ST-Coal		52	62	57	66	66	52	70	77	133	128	171	176	176	140	87	76	56	48	108	37	53	52	45	57	45	60	47	44	32	37	6	102	42	45	50	51	51	44	35	62	45	54	52	44	61	51	69	76		
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	0
SRev ST-Oil		5	8	28	38	36	10	11	54	55	55	55	55	55	54	55	14	4	4	4	3	3	3	3	3	3	22	27	21	8	8	9	9	3	3	6	38	5	4	3	4	4	6	6	6	6	6	6	6	6	
SRev CCGT-Gas		888	842	532	524	613	888	932	925	885	932	904	885	787	761	807	922	1014	1083	1074	701	645	310	333	439	551	662	665	262	270	275	306	319	194	201	315	360	923	830	698	269	302	284	292	387	408	458	524	404		
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	0
SRev Distillate		50	81	263	22	11	31	98	95	92	91	94	96	98	93	19	30	360	204	338	-36	-63	58	58	54	54	140	114	359	301	309	195	125	187	113	145	86	86	137	138	81	90	87	87	88	80	185	168	59		
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	0
Syncon		453	453	302	302	453	453	453	453	453	453	302	302	302	302	453	0	302	453	302	302	151	151	151	151	151	0	0	0	302	453	453	453	453	453	453	453	453	151	302	302	302	453	453	453	453	453	453			
Hydro		140	37	130	109	131	142	131	137	73	184	221	205	76	38	186	177	61	37	246	145	44	106	99	158	206	149	235	222	219	270	398	221	44	39	82	48	115	95	120	136	139	165	289	41	174	181	225	236		
S.Reserve Total		1588	1483	1312	1061	1310	1576	1695	1741	1691	1843	1894	1719	1494	1540	1605	1712	1957	1829	1770	1153	1135	902	934	880	1026	1241	1287	1104	861	1006	1008	1091	938	871	1096	1036	1633	1563	1447	703	882	898	1028	1019	1182	1334	1445	1234		