

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	80	MW
ST-Oil	80	MW
Gas	3,958	MW
Hydro	1,739	MW
Distillate	700	MW
Total TNB	8,537	MW
Total IPP	10,612	MW
Total Co-Gen	75	MW
System Total	19,224	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30

TNB Generation	6,845	MW
IPP Generation	8,334	MW
Total Set On Bus	16,142	MW
Maximum Demand	15,181	MW
Spinning Reserve	888	MW
Net Energy	316,245	MWH
Load Factor	86.8	%

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	12270	11763	11384	11069	10711	10725	11019	10997	11389	13235	14086	14827	14657	14415	15014	15005	15057	14653	13583	13360	14314	14265	13738	13291

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	56
PAKA	176
PGPS	48
SRDG	13
TJGS	99
TNB Total	440
KLPP	10
PGLA	65
PLPS	33
SGB3	41
SGRI	53
SKSP	53
YPGS	34
YPKA	134
IPP Total	423
Total Gas	863

Alternate Fuel Usage

Station	(mmscfd)
PGLA	23
PKLG	118
PLPS	51
SGB3	41
SGRI	13
TJGS	68
Total	314

Generation Mix

Type	MWh	Percentage
ST-Coal	46,005.00	14.55 %
Gas	54,976.00	17.38 %
Hydro	24,737.00	7.82 %
Distillate	10,190.00	3.22 %
Total TNB	135,908.0	42.98 %
ST-Coal	95,905.0	30.33 %
ST-Oil	11,527.0	3.64 %
Gas	55,543.0	17.56 %
Distillate	16,070.0	5.08 %
Total IPP	179,045.0	56.62 %
Co-Gen	2,097.0	0.66 %
Total Co-Gen	2,097.0	0.66 %
Total Generation	317,050.0	100.25 %
PLTG	79.0	0.02 %
HVDC	726.0	0.23 %
Interconnection	805.0	0.25 %
Net Energy	316,245.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	560
Hydro	192
Syncon	206
Thermal	64
Total	1022

Weather Temperature

Weather	Temperature
Morning	Cloudy 26
Afternoon	Cloudy 35

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	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
YPGS	ST10	68	69	69	68	68	68	68	68	68	68	69	69	69	69	68	68	68	68	69	69	69	69	69	69
YPKA	BLK1	374	376	376	374	374	378	378	378	378	378	380	380	378	378	374	368	368	365	365	363	363	363	362	362
YPKA	BLK2	374	378	378	375	375	378	378	378	378	380	380	380	378	378	378	376	376	377	377	376	376	376	374	374
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	GT12	0	60	60	60	59	59	59	60	58	59	60	59	59	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT13	59	51	50	50	50	50	50	50	51	50	50	50	51	50	49	106	108	108	106	107	107	107	107	107
PLPS	ST18	111	86	84	84	84	83	83	83	83	83	82	83	84	83	83	73	79	145	201	198	198	196	196	
SKSP	BLK1	282	249	214	244	214	215	214	216	238	213	281	258	288	230	213	212	212	262	341	306	247	287	335	336
TJGS	GT1A	227	201	204	122	122	121	122	122	122	122	122	123	123	123	140	140	137	141	137	159	159	159	181	195
TJGS	GT1B	222	195	195	113	113	113	117	113	116	116	113	113	114	114	135	131	131	131	152	152	148	152	148	173
TJGS	ST1C	260	234	234	172	168	168	168	168	168	168	168	168	168	180	183	183	183	183	194	194	197	197	202	
TJGS	GT2A	0	0	123	194	217	162	164	165	165	164	164	165	166	165	165	164	161	142	122	188	0	0	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
TJGS	ST2C	0	0	0	165	129	112	107	106	107	108	106	109	106	107	109	108	110	96	189	233	0	0	0	0
Total CCGT-Gas		4392	4257	4090	4108	4054	3975	3997	3988	4014	3991	4055	4030	4078	4011	4004	3978	4124	4760	5272	5596	5987	5438	5534	5524
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
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	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	0	0	0	0
BSIA	HY01	22	22	22	22	22	20	20	12	12	12	13	22	22	22	22	22	22	22	22	22	22	22	22	22
BSIA	HY02	23	23	23	23	23	21	21	12	11	11	11	23	23	23	22	22	22	22	22	22	22	23	23	23
BSIA	HY03	24	24	24	24	24	21	21	14	13	14	14	23	24	23	23	24	24	24	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	9	9	9	9	9	8	8	9	9	9	9	9	9	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	37	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	37	37	37	37	37	37	37	37	37	37	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	93	97	96	103	93	91	96	99	62	56	62	60	104	97	88	98	100	106	102	99	101	104	102	94
KNYR	HY02	92	95	94	102	92	91	95	98	60	54	61	58	103	95	93	87	96	99	105	100	98	100	103	93
KNYR	HY03	92	95	95	102	91	90	95	98	61	55	61	58	102	95	93	87	96	99	105	100	97	100	103	100
KNYR	HY04	93	96	96	103	93	91	96	99	61	54	62	58	104	97	95	88	98	100	104	102	99	102	104	92
LPIA	HY02	23	23	23	24	24	23	23	23	23	23	23	23	23	23	22	22	22	24	24	23	23	24	24	24
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	-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	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	HY03	20	-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	69	17	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	49	50	50	49	50	49	50	29	30	30	30	30	50	50	50	50	50	50	50	50	50	50	50
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	70	72	72	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	39	40	40	79	38	38	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	36	37	36	76	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	37	40	40	73	37	50	47	78	38	77	72	79	60	38	35	74	75	79	79	80	80	77	80	80
UPLA	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		987	933	863	933	775	732	714	725	562	520	562	546	733	870	730	676	978	1233	1269	1238	1062	1075	1253	1415

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	
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	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
SGB3	GT33	0	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
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	0
PLPS	GT12	135	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	21	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2B	117	118	118	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST2C	127	83	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		400	323	318	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	27	48	48	48	47	48	48	49	49	48	48	48	48	49	48	46	46	47	49	48	48	47	47	47	48
PCUF	CUFK	34	36	38	36	36	35	37	37	37	35	36	37	36	38	38	40	38	35	34	35	30	29	28	29	30
Total Co-Gen		61	84	86	84	83	83	85	86	86	83	84	85	86	86	88	87	83	80	81	77	78	76	77	77	
Total Gen		12380	12145	11881	11678	11446	11321	11085	10946	10706	10639	10747	10709	11007	11208	11073	11000	11465	12598	13196	13761	14092	14479	14755	15021	
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
TIE-HVDC		30	30	31	31	30	30	31	31	30	30	30	30	30	30	30	29	29	31	31	31	31	29	30	31	31
TIE-PLTG		87	12	87	14	38	104	-15	67	-35	25	-8	-11	-42	-11	46	47	46	-2	-61	-48	-18	-45	-96	-46	
Interconnection		117	42	118	45	68	134	16	98	-5	55	22	19	-12	19	76	77	76	28	-32	-19	13	-14	-65		
System Total		12263	12103	11763	11633	11378	11187	11069	10848	10711	10584	10725	10690	11019	11189	10997	10923	11389	12570	13228	13780	14079	14493	14820	15036	
SRev ST-Coal		47	39	44	47	52	55	129	174	275	274	273	271	209	78	65	60	74	74	72	79	71	65	59	73	
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
SRev ST-Oil		3	3	22	7	4	4	56	56	56	56	56	56	56	56	56	37	3	3	4	9	9	9	26	12	
SRev CCGT-Gas		835	1110	1507	1609	1663	1742	1720	1729	1703	1726	1662	1687	1639	1706	1713	1739	1938	1462	1510	1166	705	459	433	443	
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
SRev Distillate		440	257	32	213	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
Syncon		151	302	302	388	388	388	474	474	625	474	625	625	625	323	323	474	302	151	151	151	453	453	302	151	
Hydro		448	351	221	65	223	181	113	102	264	457	264	280	93	258	248	151	106	202	166	197	71	58	181	170	
S.Reserve Total		1924	2062	2128	2329	2330	2370	2492	2535	2923	2987	2880	2919	2622	2421	2405	2480	2476	2008	1982	1678	1413	1077	1019	884	