

Availability At Daily Maximum Demand Hour

ST-Coal	690	MW
ST-Gas	0	MW
ST-Oil	145	MW
Gas	3,786	MW
Hydro	1,680	MW
Distillate	460	MW
Total TNB	6,761	MW
Total IPP	11,481	MW
Total Co-Gen	70	MW
System Total	18,312	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30		
TNB Generation	4,702	MW
IPP Generation	10,288	MW
Total Set On Bus	16,001	MW
Maximum Demand	15,024	MW
Spinning Reserve	941	MW
Net Energy	311,931	MWH
Load Factor	86.5	%

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	12135	11567	11073	10729	10523	10488	10654	10920	11547	13133	14173	14660	14724	14444	14839	14918	14964	14599	13655	13358	14363	14046	13428	12921

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	58
PAKA	45
PGPS	40
TJGS	208
TNB Total	398
KLPP	101
MPSS	54
PGLA	109
PLPS	54
SGB3	81
SGRI	149
SKSP	55
YPGS	34
YPKA	129
IPP Total	766
Total Gas	1,164
Total Gas Required :	1,354
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	13
PKLG	135
PTEK	7
SRDG	34
Total	189

Generation Mix

Type	MWh	Percentage
ST-Coal	16,491.00	5.29 %
ST-Oil	1,177.00	0.38 %
Gas	53,376.00	17.11 %
Hydro	12,380.00	3.97 %
Distillate	2,871.00	0.92 %
Total TNB	86,295.0	27.66 %
ST-Coal	110,241.0	35.34 %
ST-Oil	13,354.0	4.28 %
Gas	100,237.0	32.13 %
Distillate	549.0	0.18 %
Total IPP	224,381.0	71.93 %
Co-Gen	2,068.0	0.66 %
Total Co-Gen	2,068.0	0.66 %
Total Generation	312,744.0	100.26 %
PLTG	83.0	0.03 %
HVDC	730.0	0.23 %
Interconnection	813.0	0.26 %
Net Energy	311,931.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	316
Hydro	169
Syncon	403
Thermal	37
Total	925

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		
YPGS	ST10	70	70	70	70	70	69	69	70	69	69	69	70	69	69	69	69	69	69	69	69	69	69	70	70	70	69
YPKA	BLK1	363	363	364	364	363	363	363	364	364	364	364	358	358	358	354	354	352	352	353	353	354	354	360	360	360	366
YPKA	BLK2	362	362	363	363	363	363	362	363	363	363	363	362	362	355	355	356	356	352	352	351	351	352	352	354	354	360
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	43	61	137	133	137	119	137	
PLPS	GT12	0	0	0	0	0	49	49	49	91	91	91	148	148	148	148	148	148	78	78	78	78	131	131	131	131	
PLPS	GT13	43	42	43	43	42	41	40	42	42	0	0	0	0	0	0	0	0	0	0	0	0	0	6	57	0	
PLPS	ST18	25	25	24	26	27	26	24	22	61	49	51	53	53	61	60	59	59	60	60	60	59	0	0	0	19	
SKSP	BLK1	249	318	348	307	303	314	298	221	213	213	214	218	251	334	329	336	268	258	311	236	340	340	335	341	345	
TJGS	GT1A	223	223	223	204	212	194	133	107	107	107	107	107	143	140	107	227	223	223	223	223	220	220	220	220	220	
TJGS	GT1B	221	221	221	201	204	186	123	97	101	101	101	101	135	135	100	218	222	222	219	219	219	219	219	216	216	
TJGS	ST1C	256	256	256	251	240	226	203	153	149	149	149	149	176	180	148	229	254	258	258	258	258	255	255	255	255	
TJGS	GT2A	208	211	211	200	202	183	164	163	163	163	163	163	202	211	212	213	212	211	209	209	209	208	208	208	208	
TJGS	GT2B	214	217	217	193	196	179	157	159	159	159	159	159	198	216	218	218	218	216	213	213	213	213	213	211	211	
TJGS	ST2C	263	263	263	254	252	240	229	229	229	228	229	228	253	264	264	264	264	263	263	263	262	262	263	263	263	
Total CCGT-Gas		5899	5633	5277	4974	4920	4735	4553	4461	4411	4395	4414	4489	4518	4873	4875	4832	5237	6242	6610	7028	7552	7512	7391	7516	7296	
BSIA	HY03	20	21	21	20	20	20	20	20	20	20	20	20	21	20	20	20	20	21	21	21	21	21	21	25	24	
CEND	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	
CEND	HY02	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	
CEND	HY03	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	
KNRG	HY01	26	26	29	23	24	24	24	26	24	25	26	28	27	25	25	25	23	28	28	27	26	31	27	28	30	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	95	95	95	95	95	95	95	95	
KNYR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	97	96	96	96	96	96	96	96	96	
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	95	95	95	95	95	95	95	95	95	
KNYR	HY04	61	59	97	71	60	69	54	61	53	56	55	60	87	98	73	86	56	58	55	84	95	92	84	95	78	
LPIA	HY01	14	16	12	11	10	10	10	11	10	10	11	11	11	11	14	14	16	16	16	16	16	16	16	16	16	
LPIA	HY02	17	16	16	16	16	16	16	16	15	15	15	14	13	13	13	13	13	13	13	13	13	13	13	13	13	
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	8	8	8	8	8	7	7	7	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	114	110	109	79	79	81	-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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	49	30	30	49	49	49	50	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	30	49	50	50	50	50	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	49	50	29	30	50	50	50	50	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	16	25	25	25	25	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	16	25	25	25	25	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	16	25	25	25	25	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	16	25	25	25	25	
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	-1	
TMGR	HY02	66	65	71	29	30	29	28	35	28	32	36	42	44	41	37	39	36	37	55	66	62	60	61	69	60	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	58	57	65	57	63	38	34	38	66	
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	HY02	5	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		225	224	267	191	181	189	172	190	172	179	209	195	258	253	200	244	185	190	485	537	601	958	922	964	1027	
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	
PTEK	GT2A	0	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	99	96	96	95	95	95	95	95	95	95	
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	100	99	98	98	98	98	97	97	93	
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	121	125	124	123	124	123	122	122	122	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	126	122	122	124	123	124	123	123	123	

