

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	145	MW
ST-Oil	0	MW
Gas	3,441	MW
Hydro	1,807	MW
Distillate	0	MW
Total TNB	7,373	MW
Total IPP	11,544	MW
Total Co-Gen	79	MW
System Total	18,996	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:00

TNB Generation	5,142	MW
IPP Generation	8,364	MW
Total Set On Bus	14,400	MW
Maximum Demand	13,616	MW
Spinning Reserve	815	MW
Net Energy	300,195	MWH
Load Factor	91.9	%

Maximum Demand Record

Date :	16/05/2012	15,723.0 MW
Date :	16/05/2012	325,227.0 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	12967	12544	11977	11675	11295	11045	10956	10752	10785	11782	12793	13340	13249	13195	13385	13486	13362	12997	12523	12600	13616	13448	13161	12984

Gas Usage

Station	(mmscfd)
CBPS	1
GLGR	41
PAKA	88
PGPS	50
SRDG	20
TJGS	112
TNB Total	312
KLPP	107
MPSS	5
PGLA	116
PLPS	106
SGB3	88
SGRI	1
SKSP	50
YPGS	34
YPKA	131
IPP Total	638
Total Gas	950

Alternate Fuel Usage

Station	(mmscfd)
PKLG	61
Total	61

Generation Mix

Type	MWh	Percentage
ST-Coal	47,142.00	15.70 %
Gas	38,701.00	12.89 %
Hydro	20,483.00	6.82 %
Total TNB	106,326.0	35.42 %
ST-Coal	101,295.0	33.74 %
ST-Oil	5,927.0	1.97 %
Gas	83,905.0	27.95 %
Total IPP	191,127.0	63.67 %
Co-Gen	2,129.0	0.71 %
Total Co-Gen	2,129.0	0.71 %
Total Generation	299,582.0	99.80 %
PLTG	87.0	0.03 %
HVDC	-700.0	-0.23 %
Interconnection	-613.0	-0.20 %
Net Energy	300,195.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	261
Hydro	213
Syncon	303
Thermal	53
Total	829

Weather Temperature

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	34

Total Gas Required : 1,011
Gas Calorific Value : 38,500

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																												
PLPS	ST18	193	193	193	194	183	156	154	153	153	154	154	153	153	154	207	213	213	213	215	215	215	208	208	213	215	215	215	212	215	214	195	194	193	193	212	214	213	213	214	213	212	213	213	213								
SKSP	BLK1	247	214	284	294	215	213	219	215	324	215	217	220	212	212	215	211	214	212	215	262	331	306	339	337	321	254	257	261	268	318	337	334	326	308	247	257	250	248	245	292	294	250	247	271	247	289	248	260				
TJGS	GT1A	224	227	224	228	228	228	225	225	225	228	228	228	228	211	193	196	220	209	225	225	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	225	225	225	225					
TJGS	GT1B	220	220	220	220	220	220	220	220	220	220	220	220	220	205	186	186	216	201	220	216	216	216	216	216	216	216	216	216	213	216	213	213	213	216	216	216	216	216	216	216	216	216	216	216	219	219	219	219				
TJGS	ST1C	258	257	257	257	257	257	257	257	257	257	257	257	257	224	224	248	241	256	256	259	259	259	259	259	259	259	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	259	259	259	259					
Total CCGT-Gas		5615	5198	4940	4799	4732	4524	4447	4188	4189	4077	4078	4074	4068	4077	3930	3833	3849	4212	4573	4937	5262	5364	5457	5448	5443	5425	5287	5204	5273	5316	5342	5340	5335	5320	5235	4917	4871	4779	4816	5299	5307	5252	5247	5294	5253	5329	5288	5304				
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	108	107	107	106	105	105	106	105	104	105	104	104	104	104	104	104	105	104	105	105	105	105	105	106	106	106	106	107	106	106	107		
GLGR	GT02	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	109	108	108	107	108	107	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	107	108	107	107	108	107	108	108	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	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		
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		
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		
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		
Total OCGT-Gas		21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	220	216	215	214	214	212	433	518	393	305	307	305	305	462	459	462	465	435	210	211	211	211	253	341	464	482	392	333	286	230	107		
BSIA	HY01	22	22	22	21	22	0	0	0	0	0	0	0	0	0	0	0	0	0	21	22	22	0	0	15	20	20	20	20	20	20	20	20	20	20	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
BSIA	HY02	22	22	22	23	22	23	23	23	23	23	23	23	23	23	23	23	23	23	0	0	0	0	0	0	0	0	0	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	24	24	24	23	23	24	24	0	0	0	0	0	0	0	0	0	0	0	22	22	24	24	24	25	24	22	22	22	22	22	22	22	22	22	23	23	23	24	24	24	24	24	25	24	24	25	24	25	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	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	HY02	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	9	9	9	9	9	9	9	9	9	
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	8	8	8	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	7	7	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	36	36	37	34	35	36	34	36	35	36	35	34	35	35	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
KNRG	HY02	37	37	37	37	37	37	37	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY03	37	37	37	37	37	37	37	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	84	87	100	73	82	80	96	54	95	66	87	67	57	62	55	67	95	60	61	80	81	100	100	100	56	56	100	100	91	84	91	100	76	60	54	100	58	60	100	100	88	75	100	88	100	94	100	100	100			
KNYR	HY02	98	82	100	91	90	85	89	78	68	60	73	71	63	74	76	59	73	59	55	60	62	100	100	100	94	94	100	100	98	98	100	98	92	100	95	97	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
KNYR	HY03	88	97	98	81	82	75	82	93	84	72	94	62	76	72	95	66	97	60	56	77	76	99	98	98	56	56	81	99	74	83	86	98	80	71	65	99	99	97	98	98	98	98	98	98	98	98	98	98	98	98		
KNYR	HY04	98	98	93	80	89	85	89	75	84	60	63	75	58	68	96	70	86	61	56	60	62	98	97	97	95	95	98	98	98	98	98	97	98	98	93	97	96	98	97	98	97	98	97	97	97	97	97	97	97	97	97	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
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	0	0	0	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	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	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	-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	-1		
PGAU	HY04	-1	-1	-1	10	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
SIHY	HY02	0	0	0																																																	

