

Availability At Daily Maximum Demand Hour

ST-Coal	1,985	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	3,581	MW
Hydro	1,828	MW
Distillate	240	MW
Total TNB	7,634	MW
Total IPP	11,552	MW
Total Co-Gen	79	MW
System Total	19,265	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00		
TNB Generation	5,626	MW
IPP Generation	9,761	MW
Total Set On Bus	16,606	MW
Maximum Demand	15,446	MW
Spinning Reserve	1,140	MW
Net Energy	317,261	MWH
Load Factor	85.6	%

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	12032	11408	10913	10694	10467	10104	10254	10403	11342	13344	14369	14918	14844	14647	15128	15339	15446	15068	13961	13478	14537	14473	14183	13673

Gas Usage

Station	(mmscfd)
GLGR	41
PAKA	82
PGPS	39
SRDG	40
TJGS	150
TNB Total	352
KLPP	102
MPSS	62
PDPS	5
PGLA	100
PKLG	7
PLPS	106
PTEK	5
SGB3	82
SGRI	93
SKSP	58
YPKA	111
IPP Total	733
Total Gas	1,085
Total Gas Required :	1,167
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PDPS	6
PKLG	67
PTEK	4
SRDG	5
Total	82

Generation Mix

Type	MWh	Percentage
ST-Coal	47,236.00	14.89 %
Gas	42,238.00	13.31 %
Hydro	21,935.00	6.91 %
Distillate	436.00	0.14 %
Total TNB	111,845.0	35.25 %
ST-Coal	101,158.0	31.88 %
ST-Oil	6,557.0	2.07 %
Gas	94,802.0	29.88 %
Distillate	921.0	0.29 %
Total IPP	203,438.0	64.12 %
Co-Gen	2,242.0	0.71 %
Total Co-Gen	2,242.0	0.71 %
Total Generation	317,525.0	100.08 %
PLTG	-374.0	-0.12 %
HVDC	638.0	0.20 %
Interconnection	264.0	0.08 %
Net Energy	317,261.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	454
Hydro	187
Syncon	242
Thermal	73
Total	956

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	36

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	GT11	137	137	137	137	139	139	138	140	106	70	70	70	70	69	71	70	106	137	136	136	135	136	132	139	139	137	139	140	138	139	139	140	141	140	140	141	142	105	104	137	136	136	135	136	136	137	137	137			
PLPS	GT12	143	142	142	131	0	0	0	0	0	0	0	0	0	0	106	141	141	139	139	140	139	140	139	140	139	140	139	139	139	140	140	140	141	142	141	141	143	142	142	142	142	142	142	142	142	141	141	142	142		
PLPS	GT13	142	142	141	141	142	142	144	143	107	69	69	69	69	68	67	68	107	142	141	141	140	139	139	139	140	139	139	139	140	140	140	141	142	141	141	143	142	142	142	142	142	142	142	142	141	141	142	141	141	142	
PLPS	ST18	213	212	213	212	142	142	144	142	128	103	100	100	100	100	103	103	132	192	213	213	210	212	211	214	214	214	214	214	213	214	214	213	212	215	214	214	214	204	199	212	212	212	212	212	212	212	212	212	211		
SKSP	BLK1	327	309	316	300	330	339	336	339	337	336	324	339	339	338	302	241	301	339	336	336	339	334	332	332	335	329	329	332	324	332	333	332	333	331	335	335	337	335	336	336	330	336	337	336	336	342	332	337			
TJGS	GT1A	75	75	224	228	228	228	230	230	229	229	229	229	226	229	229	229	0	0	0	0	74	71	71	75	174	220	220	52	133	72	169	226	225	225	202	168	168	145	131	106	92	92	89	93	91	94					
TJGS	ST1C	0	30	105	116	119	119	119	119	119	119	119	119	119	119	119	119	0	0	0	0	0	0	0	0	0	0	85	0	0	0	0	0	0	0	78	115	118	118	109	92	92	85	81	65	58	58	58	58			
TJGS	GT2A	220	221	221	222	222	222	221	221	222	222	222	223	222	223	222	221	220	220	218	217	217	215	217	217	216	216	217	216	215	215	216	216	215	216	215	216	216	216	216	216	217	216	216	216	211	211	203	202			
TJGS	GT2B	214	218	216	217	217	218	216	216	217	217	218	218	218	218	218	218	218	218	218	218	215	215	215	215	215	215	215	215	215	217	214	214	217	217	214	214	214	214	217	217	216	214	214	213	205	209	198	198			
TJGS	ST2C	262	263	263	263	263	263	262	263	263	262	263	263	263	263	264	263	263	263	264	263	263	263	262	262	263	262	263	263	262	262	262	263	263	263	263	263	263	263	263	263	262	263	262	263	262	258	257	251	250		
Total CCGT-Gas		4100	4125	4350	4123	3673	3609	3613	3721	3504	3333	3288	3337	3341	3516	3669	3574	4010	4402	4939	5615	5726	5869	6001	6215	6402	6416	6598	6554	6542	6412	6503	6464	6647	6739	6717	6703	6457	6080	6025	6523	6485	6449	6366	6315	6251	6254	6205	6198			
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	106	106	105	104	104	104	104	104	103	103	103	102	103	103	103	103	103	104	104	104	104	104	104	104	106	105	106	105	105	106	107	107	69	
GLGR	GT02	79	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110	109	107	107	106	106	106	106	106	106	106	104	105	104	104	104	104	105	107	108	106	108	108	108	108	108	109	108	109	107	107	107	108	70	
PDPS	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			
PKLG	GT08	79	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	0			
SRDG	GT01	102	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	103	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	103	102	100	100	100	101	100	100	100	100	100	92	100	100	99	99	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT04	134	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	129	130	130	131	129	130	95	129	129	127	127	128	128	129	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT05	124	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	122	125	124	124	123	122	122	90	110	108	103	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total OCGT-Gas		621	419	0	0	0	0	0	0	0	0	0	0	0	0	110	217	395	547	671	979	977	977	975	972	736	897	956	927	582	505	534	536	540	212	210	212	212	212	212	215	213	215	212	212	213	215	139				
BSIA	HY01	21	21	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21		
BSIA	HY02	22	22	22	22	22	21	21	21	21	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
BSIA	HY03	24	24	24	24	24	24	23	23	0	0	0	0	0	0	22	21	21	22	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
CEND	HY02	7	6	7	6	7	6	7	6	7	6	7	6	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			
CEND	HY03	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			
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			
KNRG	HY01	19	19	18	16	20	20	19	21	20	21	0	0	0	0	0	0	0	38	36	36	38	38	37	35	35	35	34	36	36	37	36	35																			

