

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,691 MW
Hydro	1,815 MW
Distillate	0 MW
Total TNB	7,646 MW
Total IPP	10,425 MW
Total Co-Gen	68 MW
System Total	18,139 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00	
TNB Generation	6,809 MW
IPP Generation	8,817 MW
Total Set On Bus	16,670 MW
Maximum Demand	15,944 MW
Spinning Reserve	976 MW
Net Energy	328,990 MWH
Load Factor	86.0 %

Maximum Demand Record

Date :	16/04/2013	16,356.0 MW
Date :	16/04/2013	338,800.0 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	12896	12092	11847	11386	11299	11112	11270	11126	11831	13636	14521	15212	15253	14927	15621	15944	15834	15521	14302	13890	15062	14811	14429	14160

Gas Usage

Station	(mmscfd)
CBPS	70
GLGR	57
PAKA	187
PGPS	29
SRDG	51
TJGS	110
TNB Total	505
KLPP	113
PDPS	30
PGLA	89
PKLG	25
PLPS	100
PTEK	9
SGRI	210
SKSP	54
YPGS	69
YPKA	69
IPP Total	768
Total Gas	1,273
Total Gas Required :	1,351
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	13
PKLG	64
Total	77

Generation Mix

Type	MWh	Percentage
ST-Coal	49,557.00	15.06 %
Gas	61,524.00	18.70 %
Hydro	19,251.00	5.85 %
Distillate	1,620.00	0.49 %
Total TNB	131,952.0	40.11 %
ST-Coal	85,581.0	26.01 %
ST-Oil	6,310.0	1.92 %
Gas	97,833.0	29.74 %
Total IPP	189,724.0	57.67 %
Co-Gen	1,970.0	0.60 %
Total Co-Gen	1,970.0	0.60 %
Total Generation	323,646.0	98.38 %
PLTG	-4,652.0	-1.41 %
HVDC	-692.0	-0.21 %
Interconnection	-5,344.0	-1.62 %
Net Energy	328,990.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	473
Hydro	209
Syncon	255
Thermal	41
Total	978

Weather Temperature

Weather	Temperature
Morning	Sunny 25
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
SGRI	GT22	136	123	111	113	113	112	110	62	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
SGRI	GT23	138	120	107	107	108	108	107	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
SGRI	ST24	219	206	200	196	194	196	201	148	140	141	142	140	137	141	137	135	194	219	220	217	219	216	220	218
YPGS	GT11	128	128	128	127	127	125	130	127	128	128	127	128	128	129	125	124	123	124	123	122	122	121	120	123
YPGS	GT12	133	132	133	131	132	127	131	133	134	133	132	133	132	134	133	131	132	129	129	128	128	126	126	127
YPGS	ST10	158	137	137	138	138	138	138	138	138	138	138	138	137	137	137	137	138	138	137	137	138	137	137	137
YPKA	BLK1	201	201	203	203	202	202	209	209	211	211	210	210	211	211	213	213	211	211	204	204	198	198	196	196
YPKA	BLK2	191	191	190	190	191	191	186	186	184	184	185	185	182	182	182	182	182	188	188	190	190	191	191	191
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	109	108	109	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
PLPS	GT13	106	106	106	60	60	60	59	61	59	59	61	61	59	61	59	60	107	143	141	141	141	140	139	140
PLPS	ST18	130	130	130	96	95	95	95	94	95	95	94	94	94	99	99	129	212	212	214	214	214	214	214	214
SKSP	BLK1	311	248	278	213	226	213	217	247	242	211	239	221	308	296	232	287	261	333	313	320	305	335	332	331
TJGS	GT1A	226	226	226	229	228	231	229	233	228	227	151	154	199	217	185	224	213	217	216	223	218	225	225	225
TJGS	GT1B	218	218	218	218	218	222	222	219	216	214	143	143	186	208	174	211	200	205	206	210	210	220	220	217
TJGS	ST1C	256	256	256	256	256	256	252	251	245	205	186	237	244	221	232	232	227	235	245	245	257	257	257	257
Total CCGT-Gas		5612	5366	5231	5047	4902	4869	4889	4756	4728	4649	4521	4457	4716	4895	4636	4825	5431	6271	6696	6962	6898	7031	7046	7032
CBPS	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
CBPS	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
CBPS	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
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	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
PDPS	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
PDPS	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
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
PKLG	GT08	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
PTEK	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
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
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
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	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	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
KNRG	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
KNRG	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
KNRG	HY03	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNYR	HY01	101	61	60	74	101	59	91	101	96	85	101	101	61	61	61	60	59	60	103	102	101	102	101	102
KNYR	HY02	100	99	99	99	100	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY03	100	99	99	99	100	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY04	101	99	98	99	101	71	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
LPIA	HY01	23	23	23	23	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MNOR	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
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
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
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

