

Availability At Daily Maximum Demand Hour

ST-Coal	1,290	MW
ST-Gas	80	MW
ST-Oil	80	MW
Gas	2,966	MW
Hydro	1,570	MW
Distillate	1,400	MW
Total TNB	7,386	MW
Total IPP	9,778	MW
Total Co-Gen	52	MW
System Total	17,216	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00

TNB Generation	6,073	MW
IPP Generation	9,011	MW
Total Set On Bus	16,220	MW
Maximum Demand	15,173	MW
Spinning Reserve	1,084	MW
Net Energy	313,403	MWH
Load Factor	86.1	%

Maximum Demand Record

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 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	12191	11651	11126	10957	10587	10671	10955	10901	11368	13045	13819	14425	14543	14261	14922	15173	15162	14849	13739	13313	14322	14157	13732	13245

Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	60
PAKA	146
PGPS	50
SRDG	57
TJGS	32
TNB Total	403
KLPP	4
PDPS	5
PGLA	64
PKLG	8
PLPS	70
PTEK	3
SGB3	46
SGRI	54
SKSP	55
YPGS	34
YPKA	134
IPP Total	479
Total Gas	882

Total Gas Required : 1,373
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PDPS	21
PGLA	30
PGPS	14
PKLG	101
PLPS	28
PTEK	31
SGB3	43
SGRI	79
TJGS	144
Total	491

Generation Mix

Type	MWh	Percentage
ST-Coal	30,958.00	9.88 %
ST-Oil	1,264.00	0.40 %
Gas	46,917.00	14.97 %
Hydro	27,032.00	8.63 %
Distillate	21,239.00	6.78 %
Total TNB	127,410.0	40.65 %
ST-Coal	83,673.0	26.70 %
ST-Oil	9,905.0	3.16 %
Gas	62,639.0	19.99 %
Distillate	27,218.0	8.68 %
Total IPP	183,435.0	58.53 %
Co-Gen	1,441.0	0.46 %
Total Co-Gen	1,441.0	0.46 %
Total Generation	312,286.0	99.64 %
PLTG	-522.0	-0.17 %
HVDC	-595.0	-0.19 %
Interconnection	-1,117.0	-0.36 %
Net Energy	313,403.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	614
Hydro	179
Syncon	14
Thermal	53
Total	860

	Weather	Temperature
Morning	Cloudy	26
Afternoon	Hot	34

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	66	70	69	69	68	68	68	68	68	68	68	69	69	70	70	69	69	68	68	68	68	68	68	68	68
YPKA	BLK1	378	378	378	376	376	377	377	378	378	378	378	378	378	378	378	374	376	376	374	374	371	371	371	371	371
YPKA	BLK2	376	376	376	375	375	375	376	376	376	376	376	376	376	376	374	375	375	372	372	369	369	370	369	369	372
PLPS	GT11	0	0	0	0	98	106	105	105	107	101	70	70	72	70	106	106	105	48	0	0	0	0	0	0	0
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	49	146	124	146	146	146	146	146	146	125	125	
PLPS	GT13	148	105	102	101	102	103	103	102	102	103	101	103	102	102	149	146	146	146	143	143	143	143	140	140	
PLPS	ST18	138	132	128	129	117	128	129	128	128	129	116	116	116	117	134	199	204	196	210	209	205	204	205	204	
SKSP	BLK1	224	263	260	256	247	235	217	230	213	215	219	259	258	258	214	212	310	346	343	341	343	341	339	340	
TJGS	GT1A	229	193	193	190	191	122	122	122	122	121	122	119	119	119	122	181	218	218	218	220	223	195	183	119	
TJGS	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	212	221	187	176	111	93	84	0	0	
TJGS	ST1C	122	101	105	105	105	77	74	74	74	74	74	74	74	74	91	114	114	117	238	256	242	219	169	165	
Total CCGT-Gas		4205	3922	3909	3894	3918	3814	3781	3788	3780	3770	3741	3782	3947	3947	4007	4287	4632	5240	5377	5368	5653	5739	5676	5696	
CBPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	124	123	123	123	122	124	
CBPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	125	123	123	124	123	122	
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	
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	100	99	98	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	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	
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	106	104	103	103	102	99	
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	101	100	100	96	
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	127	128	128	90	107	
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	128	130	95	109	130	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	130	128	132	129	128	91	
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	390	727	889	934	935	777	
BSIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
BSIA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
BSIA	HY03	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	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	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	
KNRG	HY01	35	37	37	35	36	33	34	34	34	33	35	35	37	34	34	37	37	38	38	38	38	38	38	38	
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	38	38	38	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	HY02	93	106	106	100	99	93	96	99	94	95	97	101	102	103	92	43	95	96	106	106	98	100	106	106	
KNYR	HY03	94	107	106	101	100	94	97	100	95	97	98	102	103	104	92	44	95	96	106	106	98	100	106	106	
KNYR	HY04	95	105	105	102	100	95	98	100	96	97	98	103	104	105	93	44	96	97	105	105	99	101	105	105	
LP1A	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
MNOR	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	HY01	-1	-1	-1	-1	-1	103	109	-1	-1	-1	-1	-1	-1	-1	-1	79	111	144	108	-1	-1	143	20	19	
PGAU	HY02	-1	114	116	-1	-1	-1	112	-1	-1	-1	-1	-1	-1	-1	-1	81	113	141	111	81	113	141	114	113	
PGAU	HY03	105	112	115	-1	-1	-1	-1	-1	-1	-1	111	113	74	-1	-1	112	143	110	80	112	141	111	111	111	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY04	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
TMGR	HY01	63	85	85	83	72	62	47	77	44	55	67	84	85	85	38	33	37	80	85	85	74	84	84	84	
TMGR	HY02	73	89	88	88	77	70	73	85	71	71	86	88	88	89	70	66	70	88	88	88	88	88	88	88	
TMGR	HY03	69	77	76	73	72	70	71	72	70	71	73	73	74	70	67	72	72	77	79	74	74	79	80	75	
TMGR	HY04	70	78	77	73	72	70	71	72	70	71	73	73	76	71	65	69	70	74	76	71	71	76	76	72	

