

Availability At Daily Maximum Demand Hour

ST-Coal	1,980	MW
ST-Gas	0	MW
ST-Oil	80	MW
Gas	2,316	MW
Hydro	1,890	MW
Distillate	960	MW
Total TNB	7,226	MW
Total IPP	9,782	MW
Total Co-Gen	84	MW
System Total	17,092	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30		
TNB Generation	6,020	MW
IPP Generation	8,320	MW
Total Set On Bus	15,352	MW
Maximum Demand	14,512	MW
Spinning Reserve	928	MW
Net Energy	298,201	MWH
Load Factor	85.6	%

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	11849	11095	10735	10434	10381	10156	10255	10208	10829	12794	13483	14134	14129	13893	14211	14428	14342	14017	13138	13334	13529	13307	12602	12364

Gas Usage

Station	(mmscfd)
CBPS	31
GLGR	54
PAKA	137
SRDG	44
TNB Total	267
KLPP	15
MPSS	29
PDPS	11
PGLA	1
PKLG	9
PLPS	73
PTEK	7
SGB3	19
SGRI	27
SKSP	51
YPGS	62
YPKA	131
IPP Total	436
Total Gas	703

Total Gas Required : 1,271
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	91
PDPS	9
PGLA	89
PGPS	18
PKLG	135
PLPS	25
SGB3	61
SGRI	47
SRDG	21
TEWA	5
TJGS	67
Total	568

Generation Mix

Type	MWh	Percentage
ST-Coal	44,703.00	14.99 %
ST-Oil	1,698.00	0.57 %
Gas	31,442.00	10.54 %
Hydro	30,874.00	10.35 %
Distillate	11,772.00	3.95 %
Total TNB	120,489.0	40.41 %
ST-Coal	61,628.0	20.67 %
ST-Oil	13,290.0	4.46 %
Gas	57,827.0	19.39 %
Distillate	41,644.0	13.97 %
Total IPP	174,389.0	58.48 %
Co-Gen	2,160.0	0.72 %
Total Co-Gen	2,160.0	0.72 %
Total Generation	297,038.0	99.61 %
PLTG	-490.0	-0.16 %
HVDC	-673.0	-0.23 %
Interconnection	-1,163.0	-0.39 %
Net Energy	298,201.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	575
Hydro	212
Syncon	47
Thermal	37
Total	870

Weather Temperature

Weather	Temperature
Morning	Sunny 28
Afternoon	Rainy 28

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
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	101	100	100	99	99	99	99	99	99
PIEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	79	72	80	72	70	79	73	76	80
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	99	106	105	105	105	105	105	104	104
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	129	131	131	131	129	131	131	128	129
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	133	133	132	134	133	133	133	132	132
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	186	275	473	548	632	702	678	671	696	677
BSIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	22	22	22	22
BSIA	HY02	21	22	22	21	21	22	21	22	21	21	21	21	22	22	22	22	22	22	23	23	23	23	23	23
BSIA	HY03	21	21	21	21	21	22	21	21	21	21	21	21	24	23	23	24	23	24	24	23	23	23	24	23
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	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	9	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	8	7	7	7	7	7	7	7	7	7
KNRG	HY01	34	35	34	35	33	36	34	35	36	34	34	36	34	35	36	34	35	36	34	34	34	34	34	34
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
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	95	100	94	99	94	100	95	93	100	94	96	100	94	100	92	89	101	101	98	101	95	100	93	101
KNYR	HY02	100	104	89	103	89	106	100	91	105	98	100	105	98	106	85	93	106	106	102	104	98	103	96	105
KNYR	HY03	100	104	89	104	91	105	99	85	104	98	100	104	98	104	85	93	104	104	103	104	99	103	97	104
KNYR	HY04	100	104	89	103	90	104	99	85	104	99	101	104	99	105	86	93	104	104	104	104	99	104	97	105
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	20
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
MNOR	HY01	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PGAU	HY01	-1	-1	-1	-1	-1	-1	106	-1	-1	-1	-1	-1	-1	-1	116	126	140	143	138	82	109	119	110	104
PGAU	HY02	-1	-1	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	111	120	111	111	111	82	82	82	112
PGAU	HY03	76	-1	-1	-1	-1	-1	107	86	-1	-1	-1	-1	-1	-1	98	114	117	113	119	113	122	114	107	-1
PGAU	HY04	110	110	108	112	21	-1	-1	-1	-1	19	23	80	-1	-1	-1	96	142	144	141	84	80	88	110	103
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50
SIHY	HY02	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	50	50	50	49	50	50	50
SIHY	HY03	50	50	49	0	0	0	0	0	0	0	0	0	0	0	0	49	50	49	49	50	50	50	50	50
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25
SYPS	HY03	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25
SYPS	HY04	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25
TMGR	HY01	-1	-1	79	79	77	79	78	78	79	79	79	79	79	79	78	76	79	79	79	79	79	79	79	79
TMGR	HY02	83	82	75	82	74	82	82	75	82	82	82	82	82	82	82	69	36	83	82	82	82	82	77	82
TMGR	HY03	82	81	76	81	76	81	76	81	75	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	75	75	75	75	75	75	61	57	
UPLA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPLA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		1195	1034	1129	1012	859	908	880	1043	990	876	904	926	957	907	830	871	1139	1428	1733	1752	1662	1586	1519	1625
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT14	124	133	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	133	133	133	133	
KLPP	GT15	132	135	132	132	132	132	132	132	132	133	133	133	132	132	132	132	132	132	132	132	132	132	132	132
KLPP	ST17	129	116	121	120	118	120	119	116	116	113	114	112	114	117	114	121	120	187	184	167	186	212	208	
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	105	105	105	105	105	103	103
PGLA	GT11	225	180	0	0	0	0	0	0	0	0	0	0	0	0	0	21	121	216	216	215	217	215	215	215
PGLA	GT12	225	181	195	226	227	225	228	225	225	226	226	227	225	227	228	226	223	224	219	222	190	217	221	219

