

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	4,680	MW
Hydro	1,780	MW
Distillate	0	MW
<b>Total TNB</b>	<b>8,670</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,585</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>58</b>	<b>MW</b>
<b>System Total</b>	<b>19,313</b>	<b>MW</b>

**Set On Bus, TNB, IPP And MD**

At Daily Maximum Demand Hour : 21:30

TNB Generation	5,107	MW
IPP Generation	7,585	MW
Total Set On Bus	13,688	MW
Maximum Demand	12,781	MW
Spinning Reserve	938	MW
Net Energy	273,990	MWH
Load Factor	89.3	%

**Maximum Demand Record**

Date :	20/06/2012	15,826.0MW
Date :	20/06/2012	328,716.0MWH

**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	12577	12133	11703	11166	10830	10611	10258	10208	9874	10210	10862	11495	11561	11491	11671	11761	11762	11570	11301	11415	12652	12639	12594	12183

**Gas Usage**

Station	(mmscfd)
CBPS	27
GLGR	53
PAKA	46
PGPS	25
TJGS	205
<b>TNB Total</b>	<b>356</b>
KLPP	63
MPSS	32
PGLA	52
PLPS	79
SGRI	172
SKSP	50
YPGS	30
YPKA	94
<b>IPP Total</b>	<b>573</b>
<b>Total Gas</b>	<b>929</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	92
<b>Total</b>	<b>92</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,092.00	17.92 %
Gas	48,124.00	17.56 %
Hydro	14,578.00	5.32 %
<b>Total TNB</b>	<b>111,794.0</b>	<b>40.80 %</b>
ST-Coal	75,670.0	27.62 %
ST-Gas	762.0	0.28 %
ST-Oil	8,994.0	3.28 %
Gas	74,429.0	27.16 %
<b>Total IPP</b>	<b>159,855.0</b>	<b>58.34 %</b>
Co-Gen	1,725.0	0.63 %
<b>Total Co-Gen</b>	<b>1,725.0</b>	<b>0.63 %</b>
<b>Total Generation</b>	<b>273,374.0</b>	<b>99.78 %</b>
PLTG	86.0	0.03 %
HVDC	-702.0	-0.26 %
Interconnection	-616.0	-0.22 %
<b>Net Energy</b>	<b>273,990.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	550
Hydro	98
Syncon	460
Thermal	31
<b>Total</b>	<b>1139</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	26
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																												
TJGS	GT1A	226	226	230	230	197	162	161	159	160	158	159	147	126	126	127	123	144	217	224	228	225	226	226	226	226	226	224	224	222	225	221	225	225	188	162	100	223	228	228	232	232	229	229	229	229							
TJGS	GT1B	221	221	221	221	221	185	149	149	149	149	149	135	112	116	116	112	134	204	218	218	218	218	218	218	218	218	218	218	218	218	178	147	90	212	222	222	222	222	222	222	222	222	222	222	222							
TJGS	ST1C	258	258	258	258	258	225	197	197	197	197	197	169	169	169	169	169	236	250	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259						
TJGS	GT2A	220	221	220	222	199	165	165	165	165	165	164	165	166	165	165	166	166	165	221	219	221	219	219	219	218	218	216	218	217	217	218	216	214	165	166	166	166	165	222	222	224	224	223	224	224	221	222					
TJGS	GT2B	214	214	214	214	196	160	160	160	160	160	161	159	161	161	159	159	161	161	159	215	215	215	212	212	212	212	212	210	212	210	213	210	210	160	160	160	160	160	217	217	220	220	218	218	218	215	215					
TJGS	ST2C	260	261	260	259	258	225	225	225	225	225	226	226	226	226	226	226	226	263	260	260	260	259	259	259	259	259	259	259	259	259	258	226	226	225	225	224	261	260	261	261	261	261	261	261	261	261	261	261				
<b>Total CCGT-Gas</b>		<b>6171</b>	<b>5880</b>	<b>5738</b>	<b>5599</b>	<b>5380</b>	<b>5004</b>	<b>4937</b>	<b>4484</b>	<b>4565</b>	<b>4493</b>	<b>4456</b>	<b>4516</b>	<b>4451</b>	<b>4365</b>	<b>4184</b>	<b>4101</b>	<b>4028</b>	<b>4156</b>	<b>4349</b>	<b>4622</b>	<b>4692</b>	<b>4966</b>	<b>5175</b>	<b>5179</b>	<b>5153</b>	<b>5011</b>	<b>5073</b>	<b>5165</b>	<b>5210</b>	<b>5214</b>	<b>5342</b>	<b>5459</b>	<b>5336</b>	<b>5332</b>	<b>5077</b>	<b>4978</b>	<b>5009</b>	<b>4695</b>	<b>4967</b>	<b>5663</b>	<b>6007</b>	<b>5933</b>	<b>5990</b>	<b>6088</b>	<b>5936</b>	<b>6063</b>	<b>5515</b>	<b>5366</b>				
BSIA	HY01	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13			
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	10	10	10	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	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
KNRG	HY02	22	22	22	21	22	21	21	21	22	22	21	22	22	21	22	23	21	22	22	22	22	22	21	20	22	21	20	22	21	22	21	22	21	22	21	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21		
KNYR	HY01	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
KNYR	HY02	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
KNYR	HY03	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	
KNYR	HY04	106	107	106	107	107	107	107	107	107	107	106	106	104	107	106	105	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	17	17	17	24	25	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
MNOR	HY01	6	6	6	6	6	6	6	6	6	6	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	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	-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		
SIHY	HY01	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY04	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	41	40	46	41	39	32	39	38	41	41	35	43	26	40	37	29	38	42	39	37	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	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		
TMGR	HY04	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
<b>Total Hydro</b>		<b>753</b>	<b>704</b>	<b>709</b>	<b>604</b>	<b>605</b>	<b>574</b>	<b>582</b>	<b>603</b>	<b>585</b>	<b>584</b>	<b>573</b>	<b>582</b>	<b>559</b>	<b>550</b>	<b>561</b>	<b>528</b>	<b>543</b>	<b>542</b>	<b>536</b>	<b>539</b>	<b>564</b>	<b>573</b>	<b>553</b>	<b>656</b>	<b>715</b>	<b>650</b>	<b>637</b>	<b>608</b>	<b>608</b>	<b>610</b>	<b>603</b>	<b>606</b>	<b>550</b>	<b>547</b>	<b>555</b>	<b>553</b>	<b>542</b>	<b>554</b>	<b>568</b>	<b>578</b>	<b>750</b>	<b>747</b>	<b>748</b>	<b>772</b>	<b>697</b>	<b>651</b>	<b>687</b>	<b>657</b>				
PCUF	CUFG	52	52	51	29	32	32	32	32	33	31	32	33	36																																							

Daily MW Generation On Sunday

03-Mar-2013

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
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		625	539	539	539	388	539	539	388	539	625	625	625	625	474	625	625	625	625	625	625	625	625	625	625
Hydro		82	82	77	82	232	112	104	234	101	101	109	100	123	82	217	99	84	85	89	92	155	212	81	78
S.Reserve Total		1514	1471	992	1136	1347	1751	1790	2238	2172	2329	2376	2429	2566	2718	2817	2988	3157	3015	2850	2470	2255	1761	1562	1557