

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,556	MW
Hydro	1,830	MW
Distillate	835	MW
Total TNB	8,431	MW
Total IPP	10,667	MW
Total Co-Gen	87	MW
System Total	19,185	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30	
TNB Generation	5,955 MW
IPP Generation	8,505 MW
Total Set On Bus	15,575 MW
Maximum Demand	14,583 MW
Spinning Reserve	1,028 MW
Net Energy	303,184 MWH
Load Factor	86.6 %

Maximum Demand Record

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	11968	11359	10920	10642	10392	10650	10690	10627	11049	12820	13709	14379	14416	13739	13942	14541	14440	14054	13404	13635	13763	13365	12913	12369

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	56
PAKA	136
TJGS	107
TNB Total	345
KLPP	26
MPSS	56
PLPS	88
SGB3	33
SGRI	28
SKSP	39
YPGS	70
YPKA	132
IPP Total	471
Total Gas	816

Total Gas Required : 1,242
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	61
PGLA	54
PGPS	39
PKLG	128
PLPS	9
SGB3	43
SGRI	17
TJGS	74
Total	426

Generation Mix

Type	MWh	Percentage
ST-Coal	49,436.00	16.31 %
ST-Oil	1,335.00	0.44 %
Gas	44,708.00	14.75 %
Hydro	11,387.00	3.76 %
Distillate	13,330.00	4.40 %
Total TNB	120,196.0	39.64 %
ST-Coal	83,061.0	27.40 %
ST-Oil	12,613.0	4.16 %
Gas	61,199.0	20.19 %
Distillate	23,339.0	7.70 %
Total IPP	180,212.0	59.44 %
Co-Gen	2,328.0	0.77 %
Total Co-Gen	2,328.0	0.77 %
Total Generation	302,736.0	99.85 %
PLTG	249.0	0.08 %
HVDC	-697.0	-0.23 %
Interconnection	-448.0	-0.15 %
Net Energy	303,184.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	383
Hydro	167
Syncon	446
Thermal	38
Total	1034

Weather

Morning	Sunny
Afternoon	Hot

Temperature

28
32

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	GT13	126	109	112	116	110	64	62	63	63	63	63	65	63	63	62	62	62	63	126	142	142	142	142	141	133	133	138	139	136	111	139	139	133	139	132	110	111	111	141	141	142	142	143	143	143	143	143	143					
PLPS	ST18	142	133	133	134	133	97	96	95	95	97	95	95	95	101	97	170	169	186	215	214	213	213	213	211	212	212	212	212	198	213	212	213	212	213	200	199	199	199	207	206	203	201	202	201	200	202	196						
SKSP	BLK1	214	79	0	0	0	0	0	0	0	0	0	0	0	147	217	210	327	336	334	330	325	330	331	327	329	335	324	328	329	331	316	334	314	277	311	241	329	340	311	317	299	328	293	344	293	185							
TJGS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	148	179	224	228	228	228	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	203	251	231	231	231	181	0	0	0	0	0								
TJGS	GT1B	223	223	223	223	129	130	128	129	128	128	128	167	139	132	137	170	214	221	221	217	217	217	217	217	217	217	217	217	217	217	217	217	217	193	219	219	219	219	172	172	220	227	227	227									
TJGS	ST1C	115	115	115	115	79	79	79	79	79	79	79	93	86	86	119	208	242	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	223	253	253	256	256	181	97	113	122	122	122										
TJGS	GT2A	43	123	123	123	136	165	162	165	165	166	165	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TJGS	GT2B	0	0	0	39	134	159	159	157	160	161	160	161	159	159	184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	ST2C	0	0	0	94	201	226	226	225	226	226	225	225	225	226	239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 CCGT-Gas		3997	3792	3602	3635	3627	3584	3617	3663	3672	3689	3682	3685	3808	3916	3623	3282	3694	3938	4622	5091	5337	5357	5403	5413	5451	5427	5418	5401	5401	5361	5449	5452	5428	5474	5387	5150	4870	4639	4906	5005	4975	4798	4574	4349	4347	4414	4440	4430					
BSIA	HY03	11	9	12	12	11	13	12	11	11	10	11	11	12	12	9	9	12	12	11	13	12	13	14	13	11	12	14	14	14	12	13	13	12	12	12	10	12	13	11	12	11	12	11	12	10	13	9	11					
CEND	HY02	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	9	9	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	HY01	34	30	35	35	33	36	34	35	33	33	34	34	34	35	17	16	18	24	21	24	23	24	27	25	20	22	26	25	25	23	23	24	22	23	23	19	23	24	20	22	20	22	20	22	17	21	19	20					
KNYR	HY01	73	51	81	97	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	-1	-1	-1	-1	-1	-1	98	96	96	96	93	96	96	96	96	96	96	96	95	95	96	96	96	96	96	96	96	96	96	96	93	96	85	57					
KNYR	HY02	80	51	91	96	60	92	67	66	61	59	70	64	83	81	49	51	59	61	51	64	59	64	95	66	51	57	95	95	95	95	95	95	86	95	83	55	89	95	77	95	58	72	58	88	52	95	51	58					
KNYR	HY03	94	50	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	93	93	92	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	92	93	90	57					
KNYR	HY04	68	51	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	94	94	92	94	94	93	93	93	93	93	93	93	93	93	94	93	94	93	93	93	93	94	94	94	93	85	73						
LPIA	HY01	23	23	23	23	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22				
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	20	26	85	-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	HY02	83	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	48	-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	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	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	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	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	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	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	-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	HY02	37	25	38	43	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	45	40	39	35	34	37	37	41	45	26	27	33																																				

