

Availability At Daily Maximum Demand Hour

ST-Coal	690 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,109 MW
Hydro	1,854 MW
Distillate	0 MW
Total TNB	6,723 MW
Total IPP	12,466 MW
Total Co-Gen	56 MW
System Total	19,245 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30	
TNB Generation	2,643 MW
IPP Generation	8,630 MW
Total Set On Bus	12,569 MW
Maximum Demand	11,386 MW
Spinning Reserve	1,240 MW
Net Energy	235,858 MWH
Load Factor	86.3 %

Maximum Demand Record

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 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	10623	10192	9919	9480	9354	9226	9062	8834	8374	8706	9261	9512	9499	9482	9651	9758	9836	9781	9775	10015	11304	11378	11142	11108

Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	33
TJGS	111
TNB Total	197
KLPP	118
MPSS	52
PGLA	119
PKLG	11
PLPS	92
SGB3	11
SGRI	222
SKSP	56
YPKA	67
IPP Total	748
Total Gas	946
Total Gas Required :	946
Gas Calorific Value :	38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	14,839.00	6.29 %
Gas	26,354.00	11.17 %
Hydro	9,057.00	3.84 %
Total TNB	50,250.0	21.31 %
ST-Coal	84,646.0	35.89 %
ST-Gas	1,068.0	0.45 %
ST-Oil	140.0	0.06 %
Gas	96,481.0	40.91 %
Total IPP	182,335.0	77.31 %
Co-Gen	2,007.0	0.85 %
Total Co-Gen	2,007.0	0.85 %
Total Generation	234,592.0	99.46 %
PLTG	-575.0	-0.24 %
HVDC	-691.0	-0.29 %
Interconnection	-1,266.0	-0.54 %
Net Energy	235,858.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	348
Hydro	90
Syncon	485
Thermal	197
Total	1120

Weather Temperature

	Weather	Temperature
Morning	Cloudy	24
Afternoon	Hot	33

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	223	227	225	227	226	226	229	229	227	227	227	227	227	228	233	229	232	232	230	227	229	225	225	227	224	223	223	223	223	225	225	225	158	160	138	138	181	225	225	224	224	228	228	225	225							
TJGS	GT1B	221	221	222	222	222	222	225	226	222	223	226	226	226	223	224	224	224	224	224	221	221	221	221	218	218	218	218	218	218	218	218	218	218	218	218	151	151	132	132	177	221	217	220	217	221	221	221	221				
TJGS	ST1C	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258				
Total CCGT-Gas		5582	5467	5276	5249	5263	5251	5271	5281	5281	5111	5209	5141	5243	5210	5139	4964	5042	5045	4997	5020	5030	4994	5006	4970	4895	4903	4876	4944	4916	4962	4919	4854	4876	4790	4700	4619	4529	4531	4674	5307	5562	5655	5560	5538	5547	5474	5351	5340				
BSIA	HY01	19	18	18	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			
BSIA	HY02	22	22	23	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		
BSIA	HY03	22	21	22	22	12	11	11	13	11	11	11	10	10	11	10	11	12	12	11	12	12	11	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
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		
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	9	9	9	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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	HY01	34	33	36	35	23	21	21	25	21	20	20	19	20	19	18	19	24	22	21	24	23	22	23	21	21	21	21	21	21	20	18	18	19	23	24	23	23	26	26	23	24	23	22	23	22	23	23	27	26	26		
KNRG	HY02	36	36	36	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	
KNRG	HY03	22	21	22	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	
KNYR	HY01	97	97	97	97	97	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	
KNYR	HY02	98	97	98	98	98	98	59	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	
KNYR	HY03	96	96	96	96	96	96	60	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	
KNYR	HY04	97	97	97	97	97	97	60	68	61	58	58	57	57	55	56	63	99	99	99	99	99	99	99	99	98	99	98	99	99	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
LPIA	HY01	16	16	16	19	19	19	20	20	20	20	20	20	20	20	22	24	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26		
MNOR	HY01	5	5	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	3	3	3	3	3			
PGAU	HY01	-1	20	-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	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			
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			
PGAU	HY04	20	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	
SIHY	HY01	30	30	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	
SIHY	HY02	30	30	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	
SIHY	HY03	30	30	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	HY01	16	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	16	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	16	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	HY04	16	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	
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			
TMGR	HY02	85	83	85	85	36	34	34	41	35	32	32	32	31	30	30	37	37	34	39	36	34	35	33	34	34	34	34	34	33	31	31	32	31	35	34	31	36	35	30	29	29	29	29	29	30	40	36	36	36			
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			
UPIA	HY01	3	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		
Total Hydro		847	779	678	581	507	404	292	195	176	169	169																																									

