

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,016 MW
Hydro	1,833 MW
Distillate	0 MW
Total TNB	8,059 MW
Total IPP	9,914 MW
Total Co-Gen	44 MW
System Total	18,297 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 19:30	
TNB Generation	5,185 MW
IPP Generation	7,243 MW
Total Set On Bus	13,387 MW
Maximum Demand	12,439 MW
Spinning Reserve	915 MW
Net Energy	264,607 MWH
Load Factor	88.6 %

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	11656	11234	10661	10469	10155	9933	9952	9574	9450	10002	10646	11235	11389	11235	11458	11537	11510	11287	10944	11827	12427	12348	12070	11773

Gas Usage

Station	(mmscfd)
CBPS	30
GLGR	57
PAKA	44
PGPS	19
SRDG	6
TJGS	207
TNB Total	363

KLPP	79
MPSS	53
PGLA	52
PLPS	92
SGB3	36
SGRI	35
SKSP	52
YPGS	57
YPKA	89
IPP Total	546
Total Gas	909

Total Gas Required : 909
Gas Calorific Value : 38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	48,256.00	18.24 %
Gas	48,372.00	18.28 %
Hydro	8,315.00	3.14 %
Total TNB	104,943.0	39.66 %
ST-Coal	87,692.0	33.14 %
Gas	70,903.0	26.80 %
Total IPP	158,595.0	59.94 %
Co-Gen	1,440.0	0.54 %
Total Co-Gen	1,440.0	0.54 %
Total Generation	264,978.0	100.14 %
PLTG	-348.0	-0.13 %
HVDC	719.0	0.27 %
Interconnection	371.0	0.14 %
Net Energy	264,607.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	265
Hydro	89
Syncon	457
Thermal	34
Total	846

Weather		Temperature
Morning	Sunny	27
Afternoon	Hot	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																										
TJGS	ST2C	262	262	262	262	226	227	227	227	227	226	226	226	227	227	227	258	262	262	262	261	261	261	261	261	260	261	260	260	261	260	260	260	260	260	261	261	261	262	262	261	262	261								
Total CCGT-Gas		5604	5435	5239	4864	4589	4579	4424	4282	4384	4292	4312	4292	4253	4265	4123	4043	4057	4460	4451	4454	4583	4796	5074	5176	5159	5060	5026	5084	5190	5272	5246	5258	5313	5239	5054	5010	4904	4968	5406	5700	5684	5711	5722	5732	5610	5533	5560	5437		
SRDG	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	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	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY01	11	11	12	12	12	12	11	11	12	11	11	11	11	12	12	11	11	11	12	12	12	12	11	11	12	12	11	12	12	11	12	12	11	12	12	12	20	20	20	20	20	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		
CEND	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CEND	HY03	10	9	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	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		
KNRG	HY01	23	22	22	20	25	24	22	19	24	21	24	22	25	24	21	20	22	21	22	19	36	35	35	34	34	34	35	36	36	35	36	34	36	35	37	37	37	38	37	37	37	37	37	37	37	37	37	37	37	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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		
KNYR	HY04	62	60	62	59	69	66	62	58	66	63	66	61	69	67	60	59	61	54	62	59	63	58	58	62	59	62	65	66	97	94	58	58	55	60	65	70	92	70	87	97	75	62	63	62	97	97	97	97		
LPIA	HY01	18	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	21	21	21	21	21	21	21	21	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	2	2	2	2	2	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	
PGAU	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		
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		
PGAU	HY03	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	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
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
TMGR	HY02	33	31	34	28	39	37	34	28	35	33	38	35	41	38	32	32	36	32	33	29	35	35	36	30	32	35	32	36	40	41	34	30	26	28	28	27	31	35	40	82	82	82	82	82	32	31	31	35		
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		
UPLA	HY01	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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
Total Hydro		248	160	168	157	183	177	167	155	174	166	178	187	185	179	183	160	168	215	221	207	237	234	273	361	364	370	392	424	411	412	510	510	501	374	396	333	345	355	493	962	776	724	632	548	484	483	332	322		
PCUF	CUFG	17	18	17	17	19	18	18	17	18	17	17	17	17	17	17	17	18	18	16	15	15	16	15	15	15	16	16	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17		
PCUF	CUFK	39	40	40	41	40	40	41	41	40	41	42	39	39	41	41	40	42	42	40	42	40	42	41	41	41	39	40	42	39	39	40	37	36	37	37	29	26	28	28	28	29	31	31	32	34	33	32	32	32	
Total Co-Gen		56	58	57	58	59	58	59	57	58	60	57	56	58	57	59	59	58	60	56	57	56	57	56	54	55	58	55	54	55	52	52	53	53	44	42	44	44	44	45	47	47	48	50	50	49	49	49	49		
Total Gen		11661	11413	11206	10890	10668	10535	10365	10162	10141	9990	9938	9928																																						

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 OCGT-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0
Syncon	575	726	726	726	726	726	726	726	726	575	726	726	726	575	575	575	575	575	575	575	424	575	575	575	575
Hydro	191	128	120	131	105	111	121	133	114	122	110	252	103	109	256	128	120	123	123	137	107	110	109	121	118
S.Reserve Total	1011	1161	1319	1544	1767	1899	2070	2272	2293	2443	2486	2501	2526	2537	2741	2842	2817	2430	2166	1955	1623	1393	1111	1008	1022