

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	4,051	MW
Hydro	1,529	MW
Distillate	0	MW
Total TNB	6,960	MW
Total IPP	11,989	MW
Total Co-Gen	71	MW
System Total	19,020	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30

TNB Generation	4,274	MW
IPP Generation	9,215	MW
Total Set On Bus	14,367	MW
Maximum Demand	13,698	MW
Spinning Reserve	807	MW
Net Energy	301,500	MWH
Load Factor	91.7	%

Maximum Demand Record

Date :	16/05/2012	15,723.0 MW
Date :	13/06/2012	328,126.0 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	13216	12544	12229	11872	11596	11081	11127	10949	10643	11982	12739	13409	13449	13100	13291	13420	13254	13040	12563	12613	13666	13591	13288	12981

Gas Usage

Station	(mmscfd)
GLGR	17
PAKA	54
PGPS	49
SRDG	7
TJGS	169
TNB Total	296

Alternate Fuel Usage

Station	(mmscfd)
PKLG	67
TJGS	28
Total	95

Generation Mix

Type	MWh	Percentage
ST-Coal	33,062.00	10.97 %
Gas	39,598.00	13.13 %
Hydro	14,665.00	4.86 %
Distillate	3,983.00	1.32 %
Total TNB	91,308.0	30.28 %
ST-Coal	118,357.0	39.26 %
ST-Oil	6,653.0	2.21 %
Gas	83,414.0	27.67 %
Total IPP	208,424.0	69.13 %
Co-Gen	1,768.0	0.59 %
Total Co-Gen	1,768.0	0.59 %
Total Generation	301,500.0	100.00 %
Net Energy	301,500.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	251
Hydro	171
Syncon	316
Thermal	31
Total	768

KLPP	83
MPSS	58
PGLA	109
PLPS	102
SGB3	62
SGRI	6
SKSP	56
YPGS	34
YPKA	125
IPP Total	635
Total Gas	931

Total Gas Required : 1,026
Gas Calorific Value : 38.500

Weather Temperature

Weather	Temperature
Morning	Sunny 28
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
GLGR	GT02	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	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
SRDG	GT04	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 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
BSIA	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
BSIA	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
BSIA	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
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY02	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CEND	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
CEND	HY04	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	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	HY02	25	25	24	24	25	25	24	23	23	24	24	24	24	24	24	25	25	23	36	35	35	35	23	23
KNRG	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
KNYR	HY01	85	82	64	56	103	103	57	45	42	40	75	58	91	66	61	65	1	100	100	100	100	100	100	100
KNYR	HY02	93	86	77	76	98	103	79	66	63	61	99	78	99	85	89	90	-2	101	100	100	100	100	100	100
KNYR	HY03	89	85	88	55	102	102	56	44	41	39	77	58	84	95	70	61	58	87	102	102	66	96	78	102
LPIA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MNOR	HY01	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
PGAU	HY04	80	-1	-1	-1	-1	89	17	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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
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
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
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
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
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
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
TMGR	HY02	32	33	33	35	39	41	33	28	27	26	35	34	37	34	35	36	33	37	42	37	35	84	84	83
TMGR	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
TMGR	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
Total Hydro		468	375	349	309	430	528	330	269	259	252	373	305	390	358	332	329	167	425	423	418	413	773	826	992
TJGS	GT2A	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	108	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	195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFK	47	48	47	47	48	49	48	48	47	48	49	48	48	48	48	49	48	49	48	49	49	49	49	49
PCUF	CUFK	28	28	29	30	30	29	30	30	29	30	31	28	31	30	30	28	27	27	26	25	23	23	23	23
Total Co-Gen		75	76	76	77	78	78	78	78	76	78	78	80	76	66	58	57	57	55	54	54	64	73	71	71
Total Gen		12291	11912	11779	11957	11870	11927	11759	11613	11595	11415	11053	11016	11075	11081	10915	10876	10701	11296	11881	12341	12711	13178	13365	13560
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29
TIE-PLTG		82	23	22	53	-72	-73	34	192	148	155	1	43	-23	20	-5	-52	87	4	-73	-32	1	14	-15	-109
Interconnection		54	-5	-7	24	-102	-103	5	163	119	126	-28	14	-52	-9	-34	-81	58	-24	-101	-63	-28	-15	-44	-138

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																											
System Total	13216	12789	12544	12405	12229	12149	11872	11570	11596	11410	11081	11002	11127	11090	10949	10957	10643	11320	11982	12404	12739	13193	13409	13698	13449	13294	13100	13221	13291	13545	13420	13407	13254	13341	13040	12749	12563	12456	12613	13399	13666	13680	13591	13559	13288	13346	12981	12979			
SRev ST-Coal	45	44	35	42	48	48	45	52	36	179	37	36	29	45	32	31	44	40	4	41	44	86	76	44	30	34	39	29	38	32	41	26	40	40	44	39	42	38	34	28	41	38	25	45	37	37	29	40			
SRev ST-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	0	
SRev ST-Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	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	
SRev CCGT-Gas	701	844	774	476	814	638	612	688	710	737	1352	1322	1357	1294	1438	1467	1466	1193	641	463	376	307	191	221	218	207	304	382	406	329	374	419	517	491	529	544	597	678	568	216	216	236	233	240	251	259	351	341			
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	0	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 Distillate	167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	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	474	474	474	474	474	323	323	474	474	474	474	625	474	474	474	474	576	323	474	474	474	388	388	388	625	474	474	474	539	453	302	302	302	302	388	625	625	625	474	388	302	302	302	302	302	388	237	388	323		
Hydro	183	125	151	191	70	123	321	231	241	248	127	194	110	142	168	171	131	226	77	82	147	168	215	149	72	227	323	119	79	42	206	187	226	222	341	153	113	119	247	208	201	301	364	366	343	442	300	330			
S.Reserve Total	1571	1488	1435	1184	1407	1133	1302	1446	1462	1639	1991	2178	1971	1956	2112	2143	2217	1832	1245	1064	1044	952	874	807	950	946	1144	1008	1066	861	928	940	1090	1060	1306	1367	1382	1475	1338	854	766	919	965	993	1101	1054	1072	1037			