

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	2,985 MW
Hydro	1,858 MW
Distillate	410 MW
Total TNB	7,393 MW
Total IPP	9,375 MW
Total Co-Gen	40 MW
System Total	16,808 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,531 MW
IPP Generation	9,063 MW
Total Set On Bus	16,588 MW
Maximum Demand	15,812 MW
Spinning Reserve	954 MW
Net Energy	330,537 MWH
Load Factor	87.1 %

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	13144	12518	12123	11559	11434	11114	11456	11290	12042	13977	14812	15528	15554	15207	15665	15722	15749	15287	14473	14619	15040	14689	14160	13611

Gas Usage

Station	(mmscfd)
CBPS	84
GLGR	65
PAKA	160
PGGS	2
PGPS	30
SRDG	47
TJGS	112
TNB Total	500
KLPP	78
MPSS	59
PDPS	39
PGLA	118
PTEK	25
SGB3	71
SGRI	161
SKSP	57
YPGS	67
YPKA	98
IPP Total	772
Total Gas	1,272
Total Gas Required :	1,530
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PDPS	5
PGGS	8
PGPS	33
PKLG	137
PTEK	13
SGB3	20
SGRI	41
Total	258

Generation Mix

Type	MWh	Percentage
ST-Coal	49,521.00	14.98 %
ST-Gas	1,210.00	0.37 %
Gas	58,291.00	17.64 %
Hydro	21,347.00	6.46 %
Distillate	4,713.00	1.43 %
Total TNB	135,082.0	40.87 %
ST-Coal	71,647.0	21.68 %
ST-Oil	13,561.0	4.10 %
Gas	99,520.0	30.11 %
Distillate	9,004.0	2.72 %
Total IPP	193,732.0	58.61 %
Co-Gen	1,489.0	0.45 %
Total Co-Gen	1,489.0	0.45 %
Total Generation	330,303.0	99.93 %
PLTG	-202.0	-0.06 %
HVDC	-32.0	-0.01 %
Interconnection	-234.0	-0.07 %
Net Energy	330,537.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	297
Hydro	208
Syncon	234
Thermal	113
Total	852

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
KNYR	HY03	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
KNYR	HY04	98	99	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
LPJA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	23	23	23	23	23	23	23	23	23	23	23	22
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	4
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
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
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	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	0	0	0	0	0
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	16	16	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	16	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	77	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	77	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	77	-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	74	35	33	38	47	38	27	35	37	36	37	39	44	45	34	37	36	35	41	34	34	55	75	75
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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
Total Hydro		959	581	543	549	558	575	497	532	545	445	455	553	552	517	542	520	572	549	836	926	1263	1459	1468	1366
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGGS	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGGS	GT6B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3A	89	90	90	90	94	88	85	0	0	0	0	0	0	89	87	90	88	88	89	89	90	88	88	89
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	88	90	87	88	88	89	89	89	89	89	89
PGPS	ST3C	0	0	0	0	0	0	0	0	0	0	0	0	0	84	85	85	85	87	86	87	88	87	87	88
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	127	127	127	69	63	63	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	129	129	129	129	110	110	108	32	58	58	58	57	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT21	123	123	123	108	69	105	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		468	469	469	396	336	366	351	32	58	58	58	57	0	0	0	89	259	265	260	261	264	264	369	457
PCUF	CUFG	42	43	43	42	41	41	43	42	44	43	42	43	45	45	45	46	42	39	39	38	37	40	38	40
PCUF	CUFK	42	39	40	41	41	41	40	41	38	41	38	40	41	41	41	41	41	41	41	41	41	41	41	41
Total Co-Gen		84	82	83	83	82	82	83	83	82	84	80	83	86	85	84	85	81	82	80	80	42	38	39	38
Total Gen		13200	12665	12567	12384	11966	11974	11747	11418	11427	11263	11129	11154	11471	11610	11390	11523	12097	13136	13913	14595	14897	15290	15558	15714
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		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
TIE-PLTG		25	-43	18	-42	-188	-98	157	-18	-38	-49	-16	-38	-16	-33	69	-25	24	7	-95	17	54	9	-1	-58
Interconnection		56	-12	49	-11	-157	-67	188	13	-7	-18	15	-7	15	-2	100	6	55	38	-64	48	85	40	30	-27
System Total		13144	12677	12518	12395	12123	12041	11859	11405	11434	11281	11114	11161	11456	11612	11290	11517	12042	13098	13977	14547	14812	15250	15528	15741
SRev ST-Coal		115	120	118	121	105	112	156	141	122	124	129	143	139	148	130	142	124	127	123	123	127	133	122	119
SRev ST-Gas		7	7	7	8	8	8	6	6	7	7	7	7	7	6	6	7	7	7	7	7	7	7	7	7

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 ST-Oil	1	-1	-1	0	-1	0	0	-1	-1	0	0	-1	-1	0	0	-1	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0														
SRev CCGT-Gas	451	339	402	303	686	717	808	1251	1299	1361	1496	1460	1248	1272	1474	1353	904	388	132	118	123	103	107	119	212	375	165	154	151	148	172	182	140	191	200	189	182	162	129	128	212	100	94	155	191	220	89	244	
SRev OCGT-Gas	135	0	0	0	0	0	0	0	0	0	0	0	0	0	103	-13	7	5	156	207	157	200	83	58	107	76	62	98	187	152	225	218	200	125	239	67	67	217	149	13	5	85	-8	-8	-9				
SRev Distillate	52	51	51	124	184	154	169	108	82	82	82	83	0	0	0	11	41	35	40	39	56	36	41	63	138	235	101	108	76	109	109	111	103	192	97	174	88	81	76	75	77	77	78	74	76	75	74		
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				
Syncon	453	625	625	625	625	474	625	625	625	625	625	625	625	625	474	625	323	323	323	237	237	237	388	539	539	388	388	237	86	86	86	388	237	625	625	474	237	237	237	237	237	237	237	539	625				
Hydro	84	85	73	67	58	192	119	84	71	71	61	61	63	64	99	74	96	197	69	260	320	240	152	143	145	195	107	132	211	150	246	355	249	260	91	450	104	104	132	357	347	347	348	280	364	340	196	197	
S.Reserve Total		1298	1226	1275	1248	1665	1657	1885	2214	2204	2270	2400	2378	2164	2114	2333	2201	1767	1336	978	878	944	994	868	823	994	1309	1252	1178	1073	954	992	1045	859	1008	1222	1305	1352	1348	1011	992	1211	1022	897	876	1091	987	1030	1296