

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,809	MW
Hydro	1,530	MW
Distillate	0	MW
Total TNB	7,479	MW
Total IPP	10,760	MW
Total Co-Gen	63	MW
System Total	18,302	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00		
TNB Generation	5,018	MW
IPP Generation	8,379	MW
Total Set On Bus	14,249	MW
Maximum Demand	13,469	MW
Spinning Reserve	789	MW
Net Energy	284,266	MWH
Load Factor	87.9	%

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	13100	12721	12032	11771	11506	11128	11066	10865	10619	10685	11131	11729	11720	11650	11830	12108	12110	11870	11522	11777	13200	13469	13400	13293

Gas Usage

Station	(mmscfd)
GLGR	52
PAKA	117
PGPS	50
SRDG	17
TJGS	100
TNB Total	336
KLPP	68
MPSS	54
PGLA	102
PKLG	57
PLPS	102
SGB3	34
SGRI	207
YPGS	27
YPKA	56
IPP Total	706
Total Gas	1,043
Total Gas Required :	1,043
Gas Calorific Value :	38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,122.00	17.28 %
Gas	42,360.00	14.90 %
Hydro	6,058.00	2.13 %
Total TNB	97,540.0	34.31 %
ST-Coal	96,264.0	33.86 %
ST-Gas	5,358.0	1.88 %
Gas	84,574.0	29.75 %
Total IPP	186,196.0	65.50 %
Co-Gen	1,433.0	0.50 %
Total Co-Gen	1,433.0	0.50 %
Total Generation	285,169.0	100.32 %
PLTG	180.0	0.06 %
HVDC	723.0	0.25 %
Interconnection	903.0	0.32 %
Net Energy	284,266.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	470
Hydro	109
Syncon	326
Thermal	72
Total	977

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																											
SGRI	GT23	133	131	132	129	126	126	130	130	113	115	115	127	127	111	111	125	135	135	123	133	120	110	110	109	108	111	124	129	128	126	130	117	107	118	107	108	111	128	131	131	130	130	129	130	131	125					
SGRI	ST24	219	222	224	211	225	214	214	217	217	203	203	205	205	214	214	216	216	202	222	217	221	204	200	197	197	202	201	203	221	223	219	218	217	212	203	214	202	197	199	221	221	217	221	218	220	214	216	213			
YPGS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
YPGS	GT12	98	96	99	103	95	95	95	95	95	95	95	95	95	95	95	98	98	110	97	99	99	98	97	102	98	97	97	98	97	98	96	99	99	101	100	97	98	97	97	95	97	95	93	94	93	94	96	96			
YPGS	ST10	58	58	58	58	57	57	57	57	57	57	57	57	57	58	58	60	57	58	58	60	58	57	58	57	57	57	57	60	57	60	57	57	57	57	60	58	58	58	60	57	57	57	57	56	56	56	56	56			
YPKA	BLK1	294	189	149	149	154	154	154	154	154	154	154	154	154	154	151	151	151	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	157	180	193	193	138	138	149	149				
YPKA	BLK2	295	194	158	158	162	162	162	162	162	162	162	162	162	162	159	159	159	310	317	306	308	308	308	310	310	310	313	313	314	314	318	318	310	310	310	310	310	310	310	157	172	189	189	145	145	150	150				
PLPS	GT11	137	137	137	137	120	121	106	106	87	87	66	66	66	65	65	65	65	65	65	65	65	65	106	136	105	105	105	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	138	138			
PLPS	GT12	143	145	145	145	125	125	110	110	95	95	77	70	70	70	70	68	68	68	68	68	68	68	108	143	109	109	109	143	141	145	145	145	146	146	141	141	108	143	141	141	141	141	141	141	141	141	144	144			
PLPS	GT13	140	140	140	140	135	135	135	114	114	98	98	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66			
PLPS	ST18	211	211	211	211	206	206	192	192	180	180	147	147	147	147	147	147	147	147	147	147	147	147	190	212	195	195	195	208	214	214	214	214	214	214	211	211	192	213	210	210	210	210	210	210	210	210	210	210			
TJGS	GT1A	215	211	222	193	207	212	212	191	169	169	186	186	189	189	191	191	173	173	164	220	222	222	222	219	219	219	219	219	219	220	221	221	217	222	217	219	218	218	218	218	218	218	218	218	218	218	218	218			
TJGS	GT1B	210	213	218	192	210	212	191	191	170	171	0	0	0	0	0	173	170	158	216	221	221	221	221	221	221	221	220	220	220	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217	217			
TJGS	ST1C	250	241	253	246	239	235	235	235	209	100	100	100	101	195	195	196	196	199	245	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257			
Total CCGT-Gas		6116	5799	5809	5507	5395	5337	5241	5219	4987	4903	4590	4547	4564	4595	4531	4431	4585	4417	4471	4511	4563	4717	4957	5092	5246	5161	5167	5279	5414	5440	5817	5865	5897	5785	5608	5369	5270	5195	5390	5759	5821	5879	5969	5936	5877	5870	5881	5853			
PCLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	0	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	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	0	0	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	0	0	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	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	0	0
BSIA	HY02	23	23	11	11	12	12	12	12	12	12	12	12	12	11	11	12	11	12	11	12	11	11	11	11	11	11	11	12	12	12	12	11	11	11	11	12	11	11	11	12	11	11	11	11	11	11	11	11	11	11	
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	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	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	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	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
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	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	23	22	21	23	22	22	22	22	22	22	22	22	22	22	22	22	24	21	22	23	21	22	21	23	23	23	22	23	22	23	23	22	22	21	22	23	23	22	22	21	22	23	22	23	22	22	22	22		
KNYR	HY01	67	99	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	68	87	64	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	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	0	
KNYR	HY04	100	100	60	59	62	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
LPIA	HY01	21	20	21	23	24	24	24	24	24	24	24	24	24	25	25	24	22	21	22	24	25																														

Daily MW Generation On Sunday

30-Jun-2013

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																									
PCUF	CUFG	49	47	50	51	50	51	51	51	51	51	51	51	51	31	31	52	52	51	51	51	50	50	49	48	49	49	48	48	48	48	49	49	48	48	50	49	49	50	51	51	51	51	52	53	52				
PCUF	CUFK	17	18	17	18	18	19	19	19	19	19	19	19	19	18	18	17	16	16	14	13	11	9	10	11	9	9	11	10	10	10	10	9	10	9	10	9	10	12	12	11	12	14	12	14	14	11			
Total Co-Gen		66	65	67	69	68	70	70	70	70	70	70	70	70	49	49	69	68	67	65	64	61	59	59	59	58	58	58	58	59	58	58	57	60	61	61	62	62	63	65	63	66	67	63						
Total Gen		13148	12880	12782	12333	12033	11967	11841	11764	11532	11466	11152	11085	11098	11152	10965	10800	10613	10445	10614	10890	11237	11564	11804	11820	11820	11675	11662	11780	11931	11945	12176	12200	12191	12181	11913	11739	11622	11583	11773	12676	13231	13438	13460	13445	13427	13443	13358	13160	
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	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	30	30	31	31	30	29	29	29	29	31	29	29	30	30	31	31	30	30	30	29	29	30	30	29	29	30	31	31	30	30	30	30	30	31	32	29	29	31	31	30	30		
TIE-PLTG		17	-25	30	26	-30	-24	40	42	-5	-20	-6	47	3	-17	71	27	-37	-8	-100	86	76	8	44	-4	70	-40	-18	-36	72	-67	38	8	50	52	13	54	70	-3	-34	69	0	35	-38	43	-4	-25	35	-3	
Interconnection		48	6	61	57	1	7	70	72	26	11	24	76	32	12	100	56	-6	21	-71	115	106	38	75	27	100	-10	12	-6	101	-38	68	38	81	83	43	84	100	27	-4	99	31	67	-9	72	27	6	65	27	
System Total		13100	12874	12721	12276	12032	11960	11771	11692	11506	11455	11128	11009	11066	11140	10865	10744	10619	10424	10685	10775	11131	11526	11729	11793	11720	11685	11650	11786	11830	11983	12108	12162	12110	12098	11870	11655	11522	11526	11777	12577	13200	13371	13469	13373	13400	13437	13293	13133	
SRev ST-Coal		-2	0	3	9	57	-2	33	78	78	78	78	78	78	78	58	58	54	57	-9	2	0	84	102	102	103	102	102	102	102	102	102	82	76	102	102	102	102	103	61	6	10	13	15	-1	-3	-3	-4		
SRev ST-Gas		4	3	4	4	6	0	0	0	0	35	35	35	35	35	63	63	33	29	34	35	36	15	30	38	38	36	35	35	37	37	37	37	36	36	36	36	36	37	10	6	6	6	4	6	4	4	4		
SRev CCGT-Gas		341	223	133	465	577	635	731	753	985	1069	1152	1195	1178	1147	1211	1311	1505	1673	1644	1604	1527	1393	1153	1018	864	949	943	831	696	670	293	245	213	325	502	655	754	829	717	348	286	228	198	275	334	210	199	227	
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
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
Syncon		475	475	475	581	581	581	581	581	581	581	581	581	581	430	581	475	475	475	475	475	475	475	475	475	475	475	475	475	475	475	324	475	324	475	475	475	475	324	324	475	475	173	87	87	475	475	475	475	475
Hydro		157	104	204	137	125	133	130	128	135	134	134	129	128	256	131	81	87	87	78	88	84	81	88	85	87	82	82	82	214	76	208	79	89	94	111	128	163	209	265	266	295	396	96	120	98	103	114	126	
S.Reserve Total		975	805	819	1196	1346	1347	1475	1540	1779	1862	1945	2018	2000	1946	2036	1980	2188	2356	2284	2253	2111	1986	1752	1677	1558	1646	1641	1526	1371	1358	964	938	916	1013	1200	1245	1379	1651	1597	930	724	838	789	909	931	877	829	932	