

Availability At Daily Maximum Demand Hour

ST-Coal	1,980 MW
ST-Gas	150 MW
ST-Oil	0 MW
Gas	4,306 MW
Hydro	1,709 MW
Distillate	60 MW
Total TNB	8,205 MW
Total IPP	11,702 MW
Total Co-Gen	91 MW
System Total	19,998 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30		
TNB Generation	5,993 MW	
IPP Generation	8,510 MW	
Total Set On Bus	15,558 MW	
Maximum Demand	14,612 MW	
Spinning Reserve	964 MW	
Net Energy	302,284 MWH	
Load Factor	86.2 %	

Maximum Demand Record

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 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	11733	10986	10532	10268	10299	10221	10404	10481	10853	12571	13368	14149	14078	13862	14308	14544	14465	14190	13143	12938	13942	13547	12904	12524

Gas Usage

Station	(mmscfd)
CBPS	42
GLGR	50
PAKA	124
PGPS	40
SRDG	6
TJGS	176
TNB Total	439
KLPP	96
MPSS	43
PGLA	103
PLPS	94
SGB3	42
SKSP	45
YPGS	67
YPKA	137
IPP Total	626
Total Gas	1,065
Total Gas Required :	1,065
Gas Calorific Value :	38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	45,880.00	15.18 %
Gas	57,101.00	18.89 %
Hydro	14,107.00	4.67 %
Total TNB	117,088.0	38.73 %
ST-Coal	99,018.0	32.76 %
ST-Gas	220.0	0.07 %
Gas	84,383.0	27.92 %
Total IPP	183,621.0	60.74 %
Co-Gen	2,343.0	0.78 %
Total Co-Gen	2,343.0	0.78 %
Total Generation	303,052.0	100.25 %
PLTG	42.0	0.01 %
HVDC	726.0	0.24 %
Interconnection	768.0	0.25 %
Net Energy	302,284.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	497
Hydro	180
Syncon	423
Thermal	40
Total	1140

Weather Temperature

Weather	Temperature
Morning	Sunny 27
Afternoon	Hot 31

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						
PLPS	GT12	100	70	70	70	70	70	70	70	70	132	132	132	132	132	132	132	132	132	132	109	109	135	135	135	111	111	111	111		
PLPS	GT13	100	70	70	70	70	70	70	70	70	146	143	143	142	142	140	140	139	137	138	138	138	142	142	140	102	101	103	102		
PLPS	ST18	180	105	105	105	105	105	105	105	105	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207	207		
SKSP	BLK1	215	212	224	237	247	255	213	238	213	259	241	258	213	257	213	219	214	218	213	212	215	319	315	303	337	331	321	334	337	
TJGS	GT1A	0	0	0	0	0	58	58	98	98	116	116	147	147	147	176	176	176	196	213	213	226	229	232	232	232	218	230	164	97	
TJGS	GT1B	218	116	114	114	117	112	107	131	123	113	113	108	112	112	110	110	115	116	112	218	221	221	221	221	221	221	221	221	221	221
TJGS	ST1C	122	77	77	77	77	59	70	74	78	73	73	69	69	72	71	71	71	71	75	113	121	124	124	124	124	124	124	124	124	
TJGS	GT2A	180	184	184	184	183	184	184	182	186	184	184	184	184	184	184	219	220	217	216	214	214	212	212	211	211	211	211	211	211	
TJGS	GT2B	175	177	178	179	180	179	179	176	179	179	177	178	179	179	178	217	217	217	214	212	210	210	210	210	210	210	210	210	207	
TJGS	ST2C	248	240	239	239	240	240	239	239	239	240	238	239	240	239	239	250	264	264	264	264	263	263	263	263	262	262	262	262	262	
Total CCGT-Gas		5110	4797	4766	4791	4798	4833	4770	4873	4869	4928	4899	4943	4899	4969	4916	4923	4922	5048	5669	5938	6131	6543	6784	6848	6737	6506	6555	6572	6831	
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	
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	
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	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	11	11	11	11	11	0	0	0	0	0	
BSIA	HY02	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	11	
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	10	11	11	0	0	0	0	0	
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	
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	10	10	10	
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	7	7	7	7	7	
KNRG	HY02	22	23	23	24	24	25	23	24	24	25	24	24	25	23	23	24	24	22	24	37	37	37	37	37	37	37	37	37	37	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	38	38	38	38	38	38	38	38	37	
KNYR	HY01	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	91	95	100	104	96	103	98	102	105	107	107	103		
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	110	95	-1	-1	107	90	94	103	106	98	105	101	101	104	107	108	107		
KNYR	HY04	91	100	60	65	64	66	49	64	60	71	65	68	60	74	56	56	59	107	90	94	100	103	95	102	98	98	101	104		
LPIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	24	26	24	23	24	25	23	24		
LPIA	HY02	18	18	18	18	18	17	18	18	18	18	18	18	18	18	18	17	18	18	18	15	15	15	15	15	15	15	15	15		
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	2	2	5	5	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		
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	HY04	-1	-1	-1	-1	-1	-1	30	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
SIHY	HY01	49	49	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	0	0	50	50	49	49	49	49	49	49	49		
SIHY	HY02	50	50	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	0	0	50	50	50	50	50	50	50	50	50		
SIHY	HY03	49	49	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	0	0	50	50	49	49	49	49	49	49	49		
SYPS	HY01	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25		
SYPS	HY02	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY03	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY04	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	
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		
TMGR	HY02	26	30	31	33	33	34	25	33	31	36	33	35	31	37	29	29	31	33	24	27	29	31	28	31	66	48	31			
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	65	60	61	58	59	68	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	-1	-1	-1	-1		
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	4	4	4	4	4	
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Hydro		542	463	366	374	373	376	349	304	267	284	361	279	364	634	258	161	228	541	565	585	819	838	924	965	894	816	813	879		
PCUF	CUEG	51	53	52	54	52	51	52	51	54	55	51	53	53	55	53	53	54	51	55	52	53	54	52	51	52	53	53	51		
PCUF	CUEK	35	38	38	40	37	40	40	38	40	40	38	40	39	37	39	41	40	39	38	41	38	39	38	39	40	39	38	39	39	

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																											
Total Co-Gen	86	91	90	94	89	91	92	89	94	95	89	93	92	90	94	94	93	93	89	96	90	92	92	91	91	91	91	89	91	92	91	90	89	91	88	88	90	89	88	86	87	90	89	91	89	88	88				
Total Gen	11842	11488	11097	10679	10576	10465	10351	10228	10256	10150	10226	10258	10420	10763	10566	10475	10840	11849	12730	13061	13488	13920	14246	14349	14150	13852	13892	13967	14392	14594	14546	14543	14460	14394	14216	13707	13197	12897	12911	13450	13953	13814	13583	13208	12928	12947	12657	12664			
TIE-EGAT	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
TIE-HVDC	29	30	30	30	30	29	29	30	32	31	31	29	28	31	29	30	30	30	31	31	31	29	31	31	30	31	31	29	31	29	30	31	30	31	31	31	31	30	30	31	31	31	31	31	30	30	31				
TIE-PLTG	81	28	82	-82	15	-94	55	14	-74	-100	-25	-52	-11	-37	57	-3	-42	3	130	14	90	51	69	18	42	1	1	-6	54	-48	-26	37	-33	22	-4	23	24	-45	-57	-36	-18	68	6	11	-6	25	104	-28			
Interconnection	109	57	111	-53	44	-66	83	43	-43	-70	5	-24	16	-7	85	26	-13	32	159	44	120	81	97	48	72	30	30	24	84	-18	2	67	-5	51	26	52	54	-15	-27	-7	11	98	36	41	24	54	133	2			
System Total	11733	11431	10986	10732	10532	10531	10268	10185	10299	10220	10221	10282	10404	10770	10481	10449	10853	11817	12571	13017	13368	13839	14149	14301	14078	13822	13862	13943	14308	14612	14544	14476	14465	14343	14190	13655	13143	12912	12938	13457	13942	13716	13547	13167	12904	12893	12524	12664			
SRev ST-Coal	29	-4	230	415	504	484	480	477	442	406	381	309	291	293	566	566	561	129	73	38	32	33	34	35	52	41	47	55	63	43	46	43	37	50	49	47	48	61	47	54	50	58	45	43	45	36	39	18			
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 CCGT-Gas	1310	1623	1654	1629	1622	1587	1650	1547	1551	1492	1521	1477	1521	1451	1740	1763	1764	1748	1151	882	869	552	361	297	408	684	635	618	359	302	296	306	332	285	147	302	750	1126	1144	600	199	464	812	1153	1410	1284	1562	1544			
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	0
SRev Distillate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	736	736	736	736	736	736	736	585	736	736	585	736	625	323	625	736	736	625	625	625	625	625	474	474	474	625	625	625	474	323	323	323	323	323	323	625	625	625	625	625	474	625	625	625	625	625	625	625	625		
Hydro	131	100	197	189	190	187	214	310	196	179	253	184	205	232	156	142	185	93	174	154	108	94	184	143	214	141	144	78	138	192	247	244	306	292	345	134	195	108	89	81	235	182	203	233	256	249	257	177			
S.Reserve Total	2206	2455	2817	2969	3052	2994	3080	2919	2925	2813	2740	2706	2647	2309	3097	3217	3256	2605	2028	1704	1639	1304	1053	949	1148	1491	1451	1376	1034	964	957	959	1041	991	941	1108	1618	1920	1905	1360	958	1329	1685	2059	2341	2199	2488	2369			