

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	80	MW
Gas	4,226	MW
Hydro	1,740	MW
Distillate	60	MW
Total TNB	7,486	MW
Total IPP	10,657	MW
Total Co-Gen	57	MW
System Total	18,200	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30

TNB Generation	6,017	MW
IPP Generation	7,843	MW
Total Set On Bus	14,832	MW
Maximum Demand	14,072	MW
Spinning Reserve	915	MW
Net Energy	291,956	MWH
Load Factor	86.4	%

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	11705	11106	10596	10245	10065	9959	10259	10575	10848	12336	13090	13868	13931	13287	13448	13778	13858	13555	12768	12808	13335	12903	12238	11928

Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	55
PAKA	134
PGPS	24
SRDG	28
TJGS	134
TNB Total	419
KLPP	74
MPSS	28
PGLA	82
PKLG	1
PLPS	92
SGB3	80
SKSP	49
YPGS	34
YPKA	131
IPP Total	572
Total Gas	991
Total Gas Required :	1,159
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	7
PKLG	131
TJGS	29
Total	167

Generation Mix

Type	MWh	Percentage
ST-Coal	39,645.00	13.58 %
Gas	54,217.00	18.57 %
Hydro	22,975.00	7.87 %
Distillate	4,105.00	1.41 %
Total TNB	120,942.0	41.42 %
ST-Coal	74,672.0	25.58 %
ST-Oil	12,921.0	4.43 %
Gas	77,356.0	26.50 %
Distillate	885.0	0.30 %
Total IPP	165,834.0	56.80 %
Co-Gen	1,522.0	0.52 %
Total Co-Gen	1,522.0	0.52 %
Total Generation	288,298.0	98.75 %
PLTG	13.0	0.00 %
HVDC	-3,671.0	-1.26 %
Interconnection	-3,658.0	-1.25 %
Net Energy	291,956.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	589
Hydro	279
Syncon	133
Thermal	136
Total	1138

Weather Temperature

Weather	Temperature
Morning	Sunny 28
Afternoon	Rainy 29

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	GT11	135	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67			
PLPS	GT12	139	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75			
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PLPS	ST18	140	102	102	102	94	94	94	102	102	102	139	147	147	147	194	211	211	211	211	211	211	211	211	211	211	211		
SKSP	BLK1	334	214	225	242	213	214	222	211	216	214	215	215	262	345	296	300	213	281	337	327	332	347	337	344	336	337		
TJGS	GT1A	0	0	0	0	0	0	148	142	142	142	142	143	143	143	143	143	143	143	179	179	177	177	157	147	129	110		
TJGS	GT1B	0	0	0	0	0	0	135	131	131	131	131	131	130	130	130	130	169	169	169	169	142	137	120	97	97	89		
TJGS	ST1C	0	0	0	0	0	0	171	178	181	181	181	181	181	181	181	181	181	181	207	207	207	207	190	177	169	151		
TJGS	GT2A	188	188	188	164	121	125	125	125	125	125	125	125	125	188	188	189	188	188	188	188	188	188	188	188	188	188	188	
TJGS	GT2B	217	216	215	161	113	120	120	120	118	121	120	121	120	214	214	215	216	215	214	214	212	213	213	213	213	213	213	
TJGS	ST2C	250	250	250	227	214	207	207	207	206	207	207	207	207	250	249	250	249	250	250	251	251	249	251	250	251	252	252	
Total CCGT-Gas		4714	4230	3870	3778	3638	3640	3656	4084	4067	4139	4121	4129	4268	4697	4660	4668	4687	5303	5771	6401	6495	6611	6705	6643	6586	6516	6400	
PKLG	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	
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	
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	
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	
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	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	
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	
BSIA	HY01	11	11	11	11	11	11	12	11	12	12	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
BSIA	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	
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	0	0	0	0
CEND	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	
CEND	HY02	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
CEND	HY03	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	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	0	0	0	
KNRG	HY02	23	23	23	23	23	24	24	23	24	23	24	25	24	24	24	22	36	36	36	36	36	36	36	36	36	36	36	36
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	0	0	0	
KNYR	HY01	70	58	97	85	61	56	96	57	0	0	0	0	0	0	99	99	81	73	88	62	71	101	79	101	88	89	85	
KNYR	HY02	96	98	99	96	92	94	0	0	0	0	0	0	0	0	104	103	86	73	93	67	75	104	92	103	92	93	89	
KNYR	HY03	68	60	101	89	69	59	101	60	59	64	59	76	104	104	103	102	49	86	92	60	85	102	93	102	96	97	89	
KNYR	HY04	98	99	100	98	93	95	-1	-1	-1	-1	-1	-1	103	102	102	87	68	92	68	77	101	92	101	92	93	89	70	
LPIA	HY01	17	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
MNOR	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	130	-1	110	-1	-1	-1	-1	-1	-1	-1	-1	125	110	110	110	111	104	
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	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	111	111	111	111	111	111	
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	153	114	-1	-1	-1	-1	-1	-1	-1	-1	-1	110	110	110	111	81	80	
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	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	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
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
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
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
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
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	
TMGR	HY02	39	39	63	50	38	39	57	40	41	42	41	40	85	85	85	85	34	46	53	53	60	82	70	83	70	62	36	

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																										
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	50	56	60	80	67	80	72	63	35	54	81	74	71	70	80	80	73	80	50	74	70	61	37	36	51	57	50	62	0	0					
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	45	51	55	59	76	65	76	69	62	38	54	76	70	67	68	76	75	70	75	51	-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	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	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	4	4					
Total Hydro		475	457	564	521	457	447	359	261	203	211	204	220	613	512	710	642	678	927	1025	1056	1243	1573	1309	1417	1339	1311	1168	1227	1443	1511	1554	1571	1664	1633	1498	1449	1044	1071	1048	1342	1235	1196	1179	1201	905	851	540	724		
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT1A	191	191	191	191	191	190	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT1B	178	181	181	181	181	180	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	ST1C	185	185	185	185	185	185	139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	ST2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 Distillate		554	557	557	557	557	555	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PCUF	CUFG	30	28	29	30	28	30	29	29	29	30	29	29	29	28	27	29	29	29	29	29	30	28	29	29	30	27	29	28	29	29	29	28	29	29	29	29	28	28	28	29	29	29	29	28	29	29	29	29	27	
PCUF	CUFK	33	34	30	29	30	32	30	32	30	30	30	27	30	29	32	31	33	34	33	33	32	29	28	27	27	27	27	27	30	30	29	29	28	27	26	27	27	28	26	26	26	27	26	27	27	27	27	27	26	26
Total Co-Gen		63	62	59	59	58	62	59	61	59	59	60	56	59	57	59	60	62	63	62	63	60	58	57	57	54	56	55	56	59	59	58	57	57	56	55	55	57	56	54	55	55	56	55	56	55	56	55	56	53	
Total Gen		11618	11123	10871	10594	10327	10295	9992	9891	9814	9815	9669	9698	9734	10092	10262	10217	10624	11512	12069	12719	13016	13471	13752	13917	13886	13584	13272	13133	13315	13592	13626	13623	13708	13677	13435	13145	12697	12665	12752	13244	13282	13221	12885	12815	12308	12340	11934	11687		
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	0	
TIE-HVDC		-98	-196	-196	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293		
TIE-PLTG		11	23	-39	-11	24	24	42	50	44	65	5	-36	-232	-45	-19	-81	69	24	24	45	24	-45	-19	-56	54	37	83	-66	-35	-27	-54	-30	-52	-61	-22	-68	28	4	-27	-42	-24	63	11	47	100	3	35	-96		
Interconnection		-87	-173	-235	-304	-269	-269	-253	-243	-251	-228	-290	-328	-525	-340	-313	-373	-224	-271	-267	-53	-74	-142	-116	-155	-45	-61	-15	-164	-133	-125	-152	-128	-150	-159	-120	-167	-71	-25	-56	-71	-53	34	-18	17	70	-26	6	-196		
System Total		11705	11296	11106	10898	10596	10564	10245	10134	10065	10043	9959	10026	10259	10432	10575	10590	10848	11783	12336	12772	13090	13613	13868	14072	13931	13645	13287	13297	13448	13717	13778	13751	13858	13836	13555	13312	12768	12690	12808	13315	13335	13187	12903	12798	12238	12366	11928	11883		
SRev ST-Coal		30	25	12	156	224	248	251	345	345	358	361	355	269	354	356	353	45	24	32	44	25	38	31	40	34	52	195	220	233	260	257	236	251	223	203	187	190	191	191	196	183	188	257	242	217	77	30	33		
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		3	3	12	10	4	6	14	15	15	46	56	56	56	12	4	8	3	2	2	2	2	3	3	2	2	2	13	27	27	6	11	11	8	5	0	-16	-24	-27	-27	-27	-27	-26	-26	-2	-2	-2	-2	0	0	
SRev CCGT-Gas		496	980	1200	1142	1282	1280	1264	1536	1553	1546	1564	1556	1417	988	1025	1017	1253	777	1129	589	695	579	485	547	604	674	790	787	856	406	841	591	649	685	671	687	736	728	641	490	350	363	357	612	967	826	761	902		
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		46	43	43	43	43	45	262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
Syncon		625	625	625	625	625	731	731	731	731	731	731	278	474	474	625	625	539	453	302	151	0	0	151	151	151	151	151	151	302	151	0	0	0	0	0	0	0	86	323	323	86	86	237	237	237	474	625	625	474	
Hydro		125	143	36	79	193	203	80	178	131	123	130																																							