



Eastern Interconnection Average Frequency Error

	ON-PEAK		2011	OFF-PEAK		Notes
	Hours	Avg. Error-Hz		Hours	Avg. Error-Hz	
January	400	0.001127		344	0.000341	
February	384	0.000606		288	0.000636	
March	432	0.000470		312	-0.000188	
April	400	-0.000067		320	0.000203	
May	400	-0.000514		344	0.002490	
June	416	-0.001470		304	0.002042	
July						
August						
September						
October						
November						
December						
	Hours	Avg. Error-Hz	2010	Hours	Avg. Error-Hz	Notes
January	416	0.001198		328	0.001491	
January	400	0.001278		344	0.001384	REVISED
February	384	0.002946		288	0.002603	
February	384	0.002634		288	0.001631	REVISED
March	432	0.002454		328	0.002807	
March	432	0.002454		311	0.002816	REVISED
April	416	0.005447		304	0.005186	
May	400	0.004969		344	0.004424	
June	416	-0.000460		304	0.003626	
July	432	-0.000643		312	0.002380	
August	400	0.000087		344	0.001819	
September	400	0.000233		320	0.000020	
October	416	0.001036		328	-0.001030	
November	400	-0.001094		321	-0.000675	
December	416	0.001878		328	0.001410	
	Hours	Avg. Error-Hz	2009	Hours	Avg. Error-Hz	Notes
January	416	0.000682		328	-0.000582	
February	384	0.000266		288	-0.000315	
March	416	-0.000574		327	0.000925	
April	416	-0.001637		304	0.002550	
May	416	0.000194		328	0.001891	
June	416	0.000569		304	0.005146	
July	416	0.001750		328	0.003492	
August	416	0.001143		328	0.002735	
September	400	0.000963		320	0.001431	
October	432	0.004127		312	0.002585	
November	384	0.001808		336	0.003825	
December	416	0.000803		328	0.003429	
	Hours	Avg. Error-Hz	2008	Hours	Avg. Error-Hz	Notes
January	416	0.000558		328	-0.000717	
February	400	0.001125		296	0.000700	
March	416	0.001537		327	0.000677	
April	416	0.002070		304	0.002072	
May	416	0.002778		328	0.004617	
June	400	0.002085		320	0.004736	
June	400	0.002635		320	0.004830	REVISED
July	416	0.003308		328	0.003147	
August	416	0.003851		328	0.003902	
September	400	0.002754		320	0.002665	
October	432	0.004583		312	0.002626	
November	384	0.001381		336	0.001733	
December	416	0.002188		328	0.001953	

	Hours	Avg. Error-Hz	2007	Hours	Avg. Error-Hz	Notes
January	416	0.005133		328	0.003991	
February	384	0.001337		288	0.003929	
March	432	0.000427		311	0.004305	
April	400	0.002295		320	0.004330	
May	416	0.003046		328	0.007652	
June	416	0.002702		304	0.007767	
July	400	0.000611		344	0.004576	
August	432	0.002682		312	0.004505	
September	400	0.001781		344	0.002868	
October	432	0.005066		312	0.004648	
November	416	0.005029		329	0.005398	
December	400	0.002311		344	0.004161	
	Hours	Avg. Error-Hz	2006	Hours	Avg. Error-Hz	Notes
January	400	0.002602		344	0.003763	
February	384	-0.000474		288	-0.000657	
March	432	0.000042		312	0.001010	
April	400	0.000748		319	0.001959	
May	416	0.002026		328	0.004326	
June	416	0.001952		304	0.006418	
July	400	-0.000540		344	0.004024	
August	432	0.000853		312	0.003450	
September	400	0.001294		320	0.002107	
October	416	0.002652		329	0.002200	
November	400	0.002935		320	0.003047	
December	400	0.003588		344	0.004353	
	Hours	Avg. Error-Hz	2005	Hours	Avg. Error-Hz	Notes
January	400	0.005638		344	0.003228	
February	384	0.002448		288	0.006667	
March	432	0.002484		312	0.004331	
April	416	0.003715		304	0.006149	
May	400	0.000724		344	0.004462	
June	416	0.003355		304	0.008484	
July	400	0.000464		344	0.004980	
August	432	0.000995		312	0.002358	
September	400	0.001495		320	0.002596	
October	416	0.003346		329	0.002971	
November	400	0.003644		320	0.004678	
December	416	0.002516		328	0.002322	

	Hours	Avg. Error-Hz	2004	Hours	Avg. Error-Hz	Notes
January	416	0.010452		328	0.005956	
February	384	0.009834		312	0.004780	
March	432	0.008677		312	0.007026	
April	416	0.004079		303	0.005229	
May	400	0.000271		344	0.005656	
June	416	0.002400		304	0.007985	
July	416	-0.000286		328	0.004737	
August	416	-0.000270		328	0.002403	
September	400	0.000000		320	0.001784	
October	416	0.000698		329	-0.000949	
November	400	0.003958		320	0.001453	
December	416	0.003296		328	0.002121	
	Hours	Avg. Error-Hz	2003	Hours	Avg. Error-Hz	Notes
January	416	0.006497		328	0.003706	
February	384	0.003698		288	0.009097	
March	416	0.007534		328	0.005629	
April	416	0.006428		303	0.006296	
May	416	0.007611		328	0.009096	
June	400	0.005190		320	0.009054	
July	416	0.005021		328	0.007512	
August	416	0.007563		328	0.012110	
September	400	0.006534		320	0.007173	
October	432	0.005470		313	0.004384	
November	384	0.007073		336	0.004356	
December	416	0.009555		328	0.005456	
	Hours	Avg. Error-Hz	2002	Hours	Avg. Error-Hz	Notes
January	416	0.004052		328	0.001503	
February	384	0.006389		288	0.003604	
March	416	0.002852		328	0.003027	
April	416	0.001209		303	0.003565	
May	416	0.003509		328	0.008286	
June	400	0.002632		320	0.009185	
July	416	0.001503		328	0.005645	
August	432	0.004262		312	0.007774	
September	384	0.005320		336	0.007419	
October	432	0.005519		313	0.004813	
November	400	0.006198		320	0.005667	
December	400	0.004556		344	0.005169	

	Hours	Avg. Error-Hz	2001	Hours	Avg. Error-Hz	Notes
January	416	0.009791		328	0.004785	
February	384	0.005966		288	0.003418	
March	432	0.005331		312	0.002265	
April	400	0.001309		319	0.003377	
May	416	-0.001127		328	0.003150	
June	416	-0.000529		304	0.004391	
July	400	0.000370		344	0.004561	
August	432	0.000637		312	0.003328	
September	384	0.000948		336	0.000911	
October	432	0.000345		313	0.000846	
November	400	0.002816		320	0.002282	
December	400	0.003225		344	0.001594	
	Hours	Avg. Error-Hz	2000	Hours	Avg. Error-Hz	Notes
January	400	0.002827		344	-0.001188	
February	400	0.002308		296	-0.002252	
March	432	0.003782		312	0.000788	
April	400	0.003642		319	0.002993	
May	416	0.004149		328	0.005790	
June	416	0.001789		304	0.006633	
July	400	0.000448		344	0.004105	
August	432	-0.000748		312	0.001620	
September	400	0.003370		320	0.003365	
October	416	0.003477		329	0.001444	
November	400	0.006798		320	0.001674	
December	400	0.005740		344	0.003816	
	Hours	Avg. Error-Hz	1999	Hours	Avg. Error-Hz	Notes
January	400	0.001474		344	-0.001967	
February	384	0.001428		288	-0.002108	
March	432	0.001864		312	-0.001878	
April	416	-0.000145		303	-0.000295	
May	400	-0.000808		344	0.001844	
June	416	-0.001457		304	0.003184	
July	416	-0.004063		328	0.003374	
August	416	-0.002556		328	0.004404	
September	400	-0.000548		320	-0.000803	
October	416	0.000686		329	-0.001880	
November	400	0.002045		320	0.000563	
December	416	0.002972		328	0.001763	

	Hours	Avg. Error-Hz	1998	Hours	Avg. Error-Hz	Notes
January	416	0.000690		328	-0.000582	
February	384	0.002181		288	0.000388	
March	416	0.001992		328	0.000375	
April	416	0.001431		303	0.000672	
May	400	-0.000816		344	0.001800	
June	416	-0.000565		304	0.003970	
July	416	-0.000336		328	0.002843	
August	416	0.000462		328	-0.001579	
September	400	0.000262		320	-0.000983	
October	432	0.001671		313	-0.003006	
November	384	0.002164		336	-0.005066	
December	416	0.002682		328	-0.003064	
	Hours	Avg. Error-Hz	1997	Hours	Avg. Error-Hz	Notes
January	416	0.002810		328	-0.001935	
February	384	0.002597		288	-0.001380	
March	416	0.002776		328	-0.000183	
April	416	0.001536		303	0.000786	
May	416	0.000134		328	0.001214	
June	400	0.000700		320	0.004980	
July	416	-0.000967		328	0.002439	
August	416	0.000272		328	0.001956	
September	400	-0.000587		320	0.000774	
October	432	0.001355		313	-0.001122	
November	384	0.001977		336	-0.001099	
December	416	0.001526		328	-0.001588	
	Hours	Avg. Error-Hz	1996	Hours	Avg. Error-Hz	Notes
January	416	0.001147		328	0.000610	
February	400	0.002357		296	0.002440	
March	416	0.001782		328	-0.000060	
April	416	0.001213		303	0.000244	
May	416	-0.000510		328	0.002900	
June	400	-0.001420		320	0.003005	
July	416	-0.000738		328	0.003409	
August	432	-0.000264		312	0.001601	
September	384	0.001381		336	-0.001825	
October	432	0.001932		313	-0.002755	
November	400	0.003141		320	-0.003279	
December	400	0.001871		344	-0.000538	

	Hours	Avg. Error-Hz	1995	Hours	Avg. Error-Hz	Notes
January	400	0.000769		344	0.001192	
February	384	0.001626		288	0.002563	
March	432	0.001511		312	0.001896	
April	400	-0.000034		319	0.000446	
May	416	-0.000782		328	0.000228	
June	416	-0.000448		304	0.003348	
July	400	-0.001050		344	0.004829	
August	432	-0.000407		312	0.004480	
September	400	-0.000770		320	0.001137	
October	416	-0.000917		329	0.001292	
November	400	0.000458		320	0.000482	
December	400	0.000505		344	0.000233	
	Hours	Avg. Error-Hz	1994	Hours	Avg. Error-Hz	Notes
January	400	0.000638		344	-0.000530	
February	384	0.000895		288	-0.000660	
March	432	0.000863		312	-0.000116	
April	416	0.000714		303	-0.001130	
May	400	-0.000380		344	0.000927	
June	416	-0.000170		304	0.001813	
July	400	-0.000660		344	0.000157	
August	432	0.000334		312	0.000993	
September	400	0.000488		320	-0.000480	
October	416	0.000736		329	-0.000715	
November	400	0.000425		320	-0.000960	
December	400	0.000802		344	0.001196	REVISED

7/11/2011