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1999 70% PV 3	3.69%	November	8.47%	3.63%	November	8.12%	3.48%
1999 70% PV 3	3.66%	December	8.45%	3.62%	December	8.14%	3.49%
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November 8.46% November 8.49% November 8.49% November 8.49% November 8.49% November 8.20% November 7.99% November 8.20% November	3.61%	September	8.44%	3.62%	September	8.21%	3.52%
2002 70% PV 3	3.62%	October	8.41%	3.60%	October	8.16%	3.50%
2002 70% PV 3 January 8.16% February 8.19% March 8.17% April 8.20% May 8.27% July 8.20% July 8.20% August 8.13% September 7.97% December 7.95% January 7.99% February 7.99% March 7.95% August 8.06% July 8.06% July 8.06% July 8.06% July 8.06% July 7.95% March 7.97% April 8.02% May 8.06% July 7.95% August 7.96% September 8.01% October 7.98% December 8.01% December 8.02% December 8.01% December 8.02% December 8.08% December 8.09% December 9.80% December 7.83% December 7.84% December 7.83%* December 7.75%* Tebruary 7.75%* Tebrua	3.63%	November	8.42%	3.61%	November	8.10%	3.47%
September Sept	3.64%	December	8.39%	3.59%	December	8.05%	3.45%
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July 8.20%	3.54%	May	7.92%	3.40%	May	7.91%	3.39%
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September 8.04% Detaber 7.97% November 7.89% December 7.89% December 7.95% December 7.95% December 7.95% December 7.95% December 7.99% December 7.99% December 7.99% December 7.99% December 7.99% December 8.00% December 8.00% December 8.00% December 8.01% December 8.02% December 8.02% December 8.08% December 7.98% December 7.84% December 7.84% December 7.84% December 7.83%	3.51%	July	7.78%	3.33%	July	8.10%	3.47%
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Doctober 7.97% November 7.89% December 7.95% 2005 70% PV 3 3 3 3 3 3 3 3 3	3.45%	September	7.99%	3.42%	September	8.03%	3.44%
November 7.89%	3.42%	October	8.03%	3.44%	October	7.98%	3.42%
2005 7.95%	3.38%	November	7.96%	3.41%	November	7.96%	3.41%
2005 70% PV 5	3.41%	December	8.01%	3.43%	December	7.96%	3.41%
January 7.99% February 7.99% March 7.97% April 8.02% May 8.06% July 7.95% August 7.96% September 8.01% October 7.98% November 8.02% December 8.08% 2008 70% PV 3 January 7.93% February 7.93% April 7.84% April 7.84% April 7.84% May 7.80% July 7.93% August 7.94%* September 7.87%* November 7.87%* February 7.67%* February 7.67%* February 7.75%* March 7.88%* April 7.77% January 7.75%* March 7.78%* April 7.78%* April 7.78%* April 7.77% January 7.75%* May 7.77% June 7.73% April 7.78%* April 7.78%* April 7.77% June 7.73% June 7.73% June 7.73%* June 7.75%* April 7.77% January 7.67%* February 7.75%* May 7.77% June 7.73% June 7.73% June 7.73%* June 7.73% June 7.73% June 7.73% June 7.73% June 7.73%	3.41/0	December	0.0176	3.43/6	December	7.5076	3.41/0
February 7.99% March 7.97% April 8.02% May 8.06% June 8.00% Jule 8.00% July 7.95% August 7.96% September 8.01% December 8.02% December 8.08% 2008 70% PV 3 January 7.93% February 7.93% April 7.84% May 7.80% June 7.89% August 7.94%* September 7.83%* December 7.83%* December 7.84%* April 7.84%* April 7.84%* February 7.93% August 7.94%* September 7.93%* December 7.83%* December 7.83%* December 7.84%* April 7.86% February 7.75%* February 7.75%* February 7.75%* February 7.75%* April 7.78%* April 7.77% May 7.77% June 7.73%	30% PV	2006	70% PV	30% PV	2007	70% PV	30% P
February 7.99% March 7.97% April 8.02% May 8.06% June 8.00% Jule 8.00% July 7.95% August 7.96% September 8.01% December 8.02% December 8.08% 2008 70% PV 3 January 7.93% February 7.93% May 7.80% June 7.89% August 7.94% September 7.84% May 7.80% August 7.94%* September 7.83%* December 7.83%* February 7.93% August 7.94%* September 7.93%* Cotober 7.87%* November 7.83%* December 7.84%* February 7.75%* February 7.75%* February 7.75%* February 7.75%* February 7.77% May 7.77% May 7.77% June 7.73% May 7.77% June 7.73% June 7.73% June 7.73% June 7.73% June 7.73% June 7.73%	3.42%	January	8.07%	3.46%	January	8.08%	3.46%
March 7.97% April 8.02% May 8.06% June 8.00% June 8.00% July 7.95% August 7.96% September 8.01% October 7.98% November 8.02% December 8.08% 2008 70% PV 3 January 7.93% May 7.80% June 7.89% May 7.80% June 7.89% August 7.94%* September 7.83%* Cotober 7.87%* November 7.83%* December 7.83	3.43%	February	8.05%	3.45%	February	8.11%	3.48%
April 8.02% May 8.06% June 8.00% June 8.00% July 7.95% August 7.96% September 8.01% Doctober 7.98% November 8.02% December 8.08% 2008 70% PV 3 January 7.93% February 7.92% March 7.84% April 7.84% May 7.80% July 7.93% August 7.93% September 7.83% Coctober 7.83% August 7.94%* September 7.83%* Doctober 7.87%* November 7.83%* Doctober 7.87%* February 7.67%* February 7.67%* February 7.75%* March 7.78%* April 7.78%* April 7.78%* April 7.77% June 7.73%	3.42%	March	8.07%	3.46%	March	8.15%	3.49%
May 8.06% June 8.00% June 8.00% July 7.95% August 7.96% September 8.01% October 7.98% November 8.02% December 8.08% January 7.93% February 7.92% May 7.80% July 7.93% August 7.84% April 7.84% April 7.84% April 7.84% Tesptember 7.93% February 7.93% February 7.93% August 7.94% September 7.93% February 7.93% August 7.94% February 7.87% February 7.87% February 7.87% February 7.87% February 7.87% April 7.78% April 7.78% April 7.78% April 7.78% April 7.78% August 7.77% June 7.73% July 7.68%	3.44%	April	8.11%	3.47%	April	8.10%	3.47%
June 8.00% July 7.95% August 7.96% September 8.01% Detober 7.98% November 8.02% December 8.08% 2008 70% PV 3 January 7.93% March 7.84% August 7.94%* September 7.89% August 7.94%* September 7.83% December 7.83% December 7.83% July 7.93% August 7.94%* September 7.93% December 7.87%* November 7.83%* December 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* May 7.77% June 7.73% April 7.78%* May 7.77% June 7.73% June 7.73% June 7.73% June 7.73%	3.45%		8.15%	3.49%		8.11%	3.47%
July 7.95% August 7.96% September 8.01% October 7.98% November 8.02% December 8.08% 2008 70% PV 3 January 7.93% February 7.92% March 7.84% April 7.84% August 7.93% September 7.93% September 7.93% November 7.83% October 7.87%* November 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* March 7.78%* April 7.78%* April 7.78%* April 7.77% March 7.77% May 7.77% June 7.73% June 7.73% June 7.73% June 7.73% June 7.73% June 7.73%		May			May		
August 7.96% September 8.01% October 7.98% November 8.02% December 8.08% 2008 70% PV 3 January 7.93% Pebruary 7.92% March 7.84% April 7.84% August 7.93% June 7.89% July 7.93% August 7.94%* September 7.93%* October 7.87%* November 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* March 7.78%* April 7.78%* April 7.78%* April 7.77% June 7.73% June 7.73% June 7.73% June 7.73% June 7.73% June 7.73%	3.43%	June	8.21%	3.52%	June	8.11%	3.48%
September 8.01% October 7.98% November 8.02% December 8.02% December 8.08% 2008 70% PV 3 January 7.93% February 7.92% March 7.84% May 7.80% June 7.89% August 7.94%* September 7.83%* October 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* May 7.77% June 7.73%* June 7.73% June 7.73% June 7.73%	3.41%	July	8.21%	3.52%	July	8.18%	3.50%
2011 70% PV 2011 7.78%* 2011 7.78%* 2011 7.78%* 2011 7.78%* 2011 7.78%* 2011 7.78%* 2011 7.78%* 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.78%* 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.73% 2010 7.78% 2010 7.73% 2010 7.78% 2010 7.73% 2010 7.73% 2010 7.78% 2010 7.78% 2010 7.78% 2010 7.73% 2010 2010 7.73% 2010	3.41%	August	8.23%	3.53%	August	8.21%	3.52%
November 8.02%	3.43%	September	8.19%	3.51%	September	8.15%	3.49%
2008 70% PV 3	3.42%	October	8.15%	3.49%	October	8.07%	3.46%
2008 70% PV 5 January 7.93% February 7.93% February 7.92% March 7.84% April 7.84% May 7.80% June 7.89% July 7.93% August 7.94%* September 7.93%* October 7.87%* December 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* May 7.77% May 7.77% June 7.73% June 7.73% June 7.73% June 7.73%	3.44%	November	8.12%	3.48%	November	8.08%	3.46%
January 7.93% February 7.92% March 7.84% April 7.84% May 7.80% June 7.89% July 7.93% August 7.94%* September 7.93%* November 7.83%* December 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* March 7.78%* April 7.78%* May 7.77% June 7.73% June 7.73%	3.46%	December	8.12%	3.48%	December	8.03%	3.44%
January 7.93% February 7.92% March 7.84% April 7.84% May 7.80% June 7.89% July 7.93% August 7.94%* September 7.93%* November 7.83%* December 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* March 7.78%* April 7.78%* May 7.77% June 7.73% June 7.73%	200/ DV/	2000	700/ DV/	200/ DV	2010	700/ D\/	200/ D
February 7.92% March 7.84% April 7.84% May 7.80% June 7.89% July 7.93% August 7.94%* September 7.93%* October 7.87%* October 7.83%* December 7.83%* 2011 70% PV 3 January 7.67%* February 7.75%* April 7.78%* April 7.77% June 7.73% June 7.73% June 7.73% June 7.73% June 7.73%	30% PV 3.40%	2009 January	70% PV 7.65%*	30% PV 3.28%	2010 January	70% PV 7.76%*	30% P\ 3.32%
March 7.84% April 7.84% May 7.80% May 7.80% June 7.89% July 7.93% August 7.94%* September 7.93%* October 7.87%* November 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* March 7.78%* April 7.78%* May 7.77% June 7.73% July 7.68%			7.53%*	3.28%			3.32%
April 7.84% May 7.80% May 7.80% June 7.89% July 7.93% August 7.94%* September 7.83%* October 7.87%* November 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* March 7.78%* April 7.78%* May 7.77% June 7.73% July 7.68%	3.40%	February			February	7.84%*	
May 7.80% June 7.89% July 7.93% August 7.94%* September 7.93%* October 7.87%* November 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* May 7.77% June 7.73% July 7.68%	3.36%	March	7.63%*	3.27%	March	7.81%*	3.35%
June 7.89% July 7.93% August 7.94%* September 7.93%* October 7.87%* November 7.83%* December 7.84%* 2011 70% PV 3 2011 70% PV 3 404 7.67%* Warch 7.75%* March 7.78%* April 7.78%* June 7.73% July 7.68%	3.36%	April	7.67%*	3.29%	April	7.82%*	3.35%
July 7.93% August 7.94% September 7.93% Dotober 7.87% November 7.83% December 7.84% 2011 70% PV January 7.67% February 7.75% April 7.78% April 7.78% July 7.68% July 7.6	3.34%	May	7.65%*	3.28%	May	7.85%*	3.36%
August 7.94%* September 7.93%* Cotober 7.83%* November 7.83%* December 7.84%* 2011 70% PV 3 January 7.67%* February 7.75%* April 7.78%* May 7.77% June 7.73% July 7.68%	3.38%	June	7.71%*	3.30%	June	7.81%*	3.35%
September 7.93%* October 7.87%* November 7.83%* Oecember 7.84%* 2011 70% PV 3 Ianuary 7.67%* February 7.75%* March 7.78%* May 7.77% July 7.68%	3.40%	July	7.82%*	3.35%	July	7.73%*	3.31%
October 7.87%* November 7.83%* Poccember 7.83%* December 7.84%* 2011 70% PV 3 7.67%* February 7.75%* March 7.78%* April 7.78%* May 7.77% June 7.73% July 7.68%	3.40%	August	7.82%*	3.35%	August	7.69%*	3.30%
October 7.87%* November 7.83%* December 7.84%* December 7.84%* 2011 70% PV 3 3 February 7.67%* February 7.75%* March 7.78%* April 7.78%* May 7.77% June 7.73% July 7.68%	3.40%	September	7.84%*	3.36%	September	7.65%*	3.28%
November 7.83%*	3.37%	October	7.78%*	3.33%	October	7.58%*	3.25%
December 7.84%* 2011 70% PV January 7.67%* February 7.75%* March 7.78%* April 7.78%* May 7.77% June 7.73% July 7.68%	3.36%	November	7.66%*	3.33%	November	7.57%*	3.24%
January 7.67%*	3.36%	December	7.79%*	3.34%	December	7.58%*	3.25%
January 7.67%*							.
February 7.75%* March 7.78%* April 7.78%* May 7.77% June 7.73% July 7.68%	30% PV	2012	70% PV	30% PV	2013	70% PV	30% P
March 7.78%* April 7.78%* May 7.77% June 7.73% July 7.68%	3.29%	January	7.44%	3.19%	January		
April 7.78%* May 7.77% June 7.73% July 7.68%	3.32%	February	7.44%	3.19%	February		
May 7.77% June 7.73% July 7.68%	3.33%	March	7.43%	3.18%	March		
May 7.77% June 7.73% July 7.68%	3.33%	April	7.44%	3.19%	April		
June 7.73% July 7.68%	3.33%	May	7.48%	3.21%	May		
July 7.68%	3.31%	June	7.43%	3.18%	June		
	3.29%	July	7.37%	3.16%	July		
	3.28%	August	7.36%	3.15%	August		
	3.26%	September	7.35%	3.15%	September		-
	3.20%	October	7.38%	3.16%	October		
	3.19%	November	7.38%	3.16%	November		
December 7.47%	3.20%	December	7.38%	3.16%	December		ļ
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LC	OW INCOME HOUSI	NG TAX CRED	II KAIES		
1996	Long-Term AFR	1997	Long-Term AFR	1998	Long-Term AFR
January	n/a	January	n/a	January	n/a
February	n/a	February	n/a	February	4.96%
March	n/a	March	n/a	March	n/a
April	n/a	April	n/a	April	5.04%
May	n/a	May	n/a	May	5.05%
June	n/a	June	n/a	June	5.15%
July	n/a	July	n/a	July	5.15%
August	n/a	August	n/a	August	5.15%
September	n/a	September	n/a	September	5.02%
October	n/a	October	n/a	October	5.02%
November	n/a	November	n/a	November	5.02%
December	n/a	December	n/a	December	4.67%
<u>1999</u>	Long-Term AFR	2000	Long-Term AFR	<u>2001</u>	Long-Term AFF
January	4.70%	January	5.59%	January	5.78%
February	5.24%	February	5.73%	February	5.48%
March	4.68%	March	5.84%	March	5.58%
April	4.78%	April	5.75%	April	5.43%
May	4.82%	May	5.57%	May	5.43%
June	n/a	June	5.65%	June	5.75%
July	4.98%	July	5.79%	July	5.82%
August	5.18%	August	5.53%	August	5.72%
September	5.26%	September		September	5.57%
October	5.45%	October	5.96%	October	5.39%
November	5.52%	November	6.09%	November	5.31%
December	5.72%	December	5.98%	December	5.05%
2002	Long-Term AFR	2003	Long-Term AFR	2004	Long-Term AFR
January	5.46%	January	4.90%	January	5.01%
February	5.60%	February	4.85%	February	4.94%
March	5.48%	March	4.80%	March	4.84%
April	5.62%	April	4.58%	April	4.66%
May	5.85%	May	n/a	May	4.65%
June	5.70%	June	4.65%	June	5.20%
July	5.69%	July	4.17%	July	5.34%
August	5.46%	August	4.36%	August	5.21%
September	5.23%	September	5.08%	September	5.03%
October	4.90%	October	5.23%	October	4.84%
November	4.60%	November	4.99%	November	4.70%
December	4.92%	December	5.12%		4.68%
December	7.0270	December	5.12%	December	4.0070
<u>2005</u>	Long-Term AFR	2006	Long-Term AFR	<u>2007</u>	Long-Term AFR
<u>2005</u> January	Long-Term AFR 4.76%	2006 January	Long-Term AFR 4.73%	<u>2007</u> January	Long-Term AFR 4.73%
2005 January February	Long-Term AFR 4.76% 4.72%	2006 January February	Long-Term AFR 4.73% 4.61%	2007 January February	Long-Term AFR 4.73% 4.86%
2005 January February March	Long-Term AFR 4.76% 4.72% 4.52%	2006 January February March	Long-Term AFR 4.73% 4.61% 4.68%	2007 January February March	Long-Term AFR 4.73% 4.86% 5.01%
2005 January February March April	Long-Term AFR 4.76% 4.72% 4.52% 4.68%	2006 January February March April	Long-Term AFR 4.73% 4.61% 4.68% 4.79%	2007 January February March April	Long-Term AFR 4.73% 4.86% 5.01% 4.81%
2005 January February March April May	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.88%	2006 January February March April May	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00%	2007 January February March April May	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90%
2005 January February March April May June	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57%	2006 January February March April May June	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32%	2007 January February March April May June	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91%
2005 January February March April May June July	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35%	2006 January February March April May June July	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29%	2007 January February March April May June July	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15%
2005 January February March April May June July August	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33%	2006 January February March April May June July August	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36%	2007 January February March April May June July August	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31%
2005 January February March April May June July August September	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52%	2006 January February March April May June July August September	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21%	2007 January February March April May June July August September	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09%
2005 January February March April May June July August September October	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40%	2006 January February March April May June July August September October	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02%	2007 January February March April May June July August September October	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88%
2005 January February March April May June July August September October November	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57%	January February March April May June July August September October November	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90%	2007 January February March April May June July August September October November	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89%
2005 January February March April May June July August September October	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40%	2006 January February March April May June July August September October	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02%	2007 January February March April May June July August September October	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88%
2005 January February March April May June July August September October November	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79%	2006 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.29% 5.36% 5.21% 5.02% 4.90%	2007 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72%
2005 January February March April May June July August September October November December	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79%	2006 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR	2007 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.88% 4.72%
2005 January February March April May June July August September October November	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79%	2006 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.29% 5.36% 5.21% 5.02% 4.90%	2007 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72%
2005 January February March April May June July August September October November December 2008 January	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46%	January February March April May June July August September October November December January January	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57%	2007 January February March April May June July August September October November December 2010 January	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11%
2005 January February March April May June July September October November December 2008 January February	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.46%	2006 January February March April May June July August September October November December June June July August June July August June July August September October November February	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.29% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96%	2007 January February March April May June July August September October November December 2010 January February	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44%
2005 January February March April May June July August September October November December 2008 January February March	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.46% 4.27%	2006 January February March April May June July August September October November December 2009 January February March	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52%	2007 January February March April May June July August September October November December 2010 January February March	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35%
2005 January February March April May June July August September October November December 2008 January February March April	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.40%	January February March April May June July August September October November December 2009 January February March April	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67%	2007 January February March April May June July August September October November December 2010 January February March April	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.31% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40%
2005 January February March April May June July August September October November December 2008 January February March April	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.27% 4.40% 4.21%	January February March April May June July August September October November December 2009 January February March April May June July	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58%	2007 January February March April May June July August September October November December 2010 January February March April May	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.47% 4.30% 3.94%
2005 January February March April May June July August September October November December December January February March April May June	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.46% 4.27% 4.40% 4.21% 4.46%	2006 January February March April May June July August September October November December 2009 January Hebruary March April May June	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 3.88%	2007 January February March April May June July August September October November December 2010 January February March April May June	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.47% 4.30%
2005 January February March April May June July September October November December 2008 January February March April May June July August September September April May June July August September September September	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.27% 4.40% 4.21% 4.46% 4.21% 4.46% 4.58%	2006 January February March April May June July August September October November December 2009 January February March April May June July August September September September September September September September	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 4.36% 4.26% 4.38%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September September September April May June July August September	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.47% 4.30% 3.94% 3.94% 3.66%
2005 January February March April May June July August September October November December 2008 January February March April May June July August September October October October October October	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.46% 4.21% 4.40% 4.21% 4.46% 4.58% 4.58% 4.58% 4.58%	2006 January February March April May June July August September October November December 2009 January March April May June July August September October November October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 3.88% 4.36% 4.26% 4.38% 4.10%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September Cotober November October October November December	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.47% 4.30% 3.94% 3.79% 3.66% 3.32%
2005 January February March April May June July August September October November December 2008 January February March April May June July August September October November October November October November	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.21% 4.40% 4.51% 4.21% 4.46% 4.21% 4.46% 4.21% 4.46% 4.21% 4.46% 4.21% 4.46% 4.21% 4.46% 4.21% 4.46% 4.21%	2006 January February March April May June July August September October November December 2009 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 3.88% 4.36% 4.26% 4.10%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September October November	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.47% 4.30% 3.94% 3.79% 3.66% 3.32% 3.35%
2005 January February March April May June July August September October November December 2008 January February March April May June July August September October October October October October	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.46% 4.21% 4.40% 4.21% 4.46% 4.58% 4.58% 4.58% 4.58%	2006 January February March April May June July August September October November December 2009 January March April May June July August September October November October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 3.88% 4.36% 4.26% 4.38% 4.10%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September Cotober November October October November December	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.47% 4.30% 3.94% 3.79% 3.66% 3.32%
2005 January February March April May June July August September October November December July August September October November July August January February March April May June July August September October November December	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.21% 4.46% 4.21% 4.46% 4.58% 4.58% 4.32% 4.24% 4.44%	2006 January February March April May June July August September October November December 2009 January March April May June July August September October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 4.36% 4.36% 4.36% 4.36% 4.10% 4.01% 4.17%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.35% 4.40% 3.94% 3.79% 3.66% 3.32% 3.35%
2005 January February March April May June July August September October November December 2008 January February March April May June July August September October November December	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.27% 4.40% 4.21% 4.40% 4.21% 4.46% 4.58% 4.58% 4.58% 4.58% 4.58% 4.58% Long-Term AFR	2006 January February March April May June July August September October November December 2009 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 4.36% 4.26% 4.38% 4.10% 4.01% 4.01% Long-Term AFR	2007 January February March April May June July August September October November December 2010 January February March April May June July August September Cotober November December	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.35% 4.40% 3.94% 3.79% 3.66% 3.32% 3.35%
2005 January February March April May June July August September October November December 2008 January February March April May June June June June June June June June	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.46% 4.21% 4.40% 4.58% 4.58% 4.32% 4.24% 4.45% Long-Term AFR	January February March April May June July August September October November December January February March April May June July August September October November December 2009 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 4.26% 4.38% 4.10% 4.01% 4.17% Long-Term AFR 2.63%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September Cotober November December	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.47% 4.30% 3.94% 3.79% 3.66% 3.32% 3.35%
2005 January February March April May June July August September October November December 2008 January February March April May June July August September October November December 2008 January February March April May June July July June July July July July July July July July	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.27% 4.40% 4.21% 4.46% 4.28% 4.46% 4.21% 4.46% 4.58% 4.32% 4.24% 4.45% Long-Term AFR 3.88% 4.15%	2006 January February March April May June July August September October November December January February March April May June July August September Cotober November Cotober November December July August September October November December July August September October November July January February February	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 4.26% 4.26% 4.38% 4.10% 4.117% Long-Term AFR 2.63% 2.58%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September October November December 2010 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.35% 4.40% 3.94% 3.79% 3.66% 3.32% 3.35%
2005 January February March April May June July August September October November December July August September October November December July August January February March April May June July August September October November December	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.21% 4.46% 4.21% 4.46% 4.58% 4.58% 4.32% 4.24% 4.45% Long-Term AFR 3.88% 4.15% 4.15% 4.30%	2006 January February March April May June July August September October November December 2009 January March April May June July August September October November December 2019 January March April May June July August September October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 4.36% 4.26% 4.38% 4.10% 4.10% 4.11% Long-Term AFR 2.63% 2.58% 2.65%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September Cotober November December 2010 January February March April May June July August September October November December 2013 January February March	Long-Term AFR 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFR 4.11% 4.44% 4.35% 4.40% 4.35% 4.40% 3.94% 3.79% 3.66% 3.32% 3.35%
2005 January February March April May June July August September October November December 2008 January February March April May June July August September October November December 2011 January February March April May June July August September October November December 2011 January February March April April August A	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.27% 4.46% 4.21% 4.46% 4.21% 4.46% 4.58% 4.58% 4.58% 4.38% 4.58% 4.32% 4.24% 4.45% Long-Term AFR 3.88% 4.15% 4.30% 4.30% 4.25%	2006 January February March April May June July August September October November December 2009 January February March April May June July August September October November December 2012 January February February August September October November December April August September February August August August April August April April April April April April	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 4.36% 4.26% 4.38% 4.10% 4.10% 4.11% Long-Term AFR 2.63% 2.55% 2.65% 2.65% 2.72%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September Cotober November December	Long-Term AFF 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFF 4.11% 4.44% 4.35% 4.40% 4.35% 4.40% 3.94% 3.79% 3.66% 3.32% 3.35%
2005 January February March April May June July August September October November December 2008 January February March April May June July August September October November Lecember 2011 January February March April May June July August September October November December	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.46% 4.21% 4.40% 4.58% 4.32% 4.24% 4.45% Long-Term AFR 3.88% 4.15% 4.15% 4.30% 4.25% 4.30% 4.25% 4.19%	January February March April May July August September October November December January February March April May June July August September October November December 2009 January February March April May June July August September October November December	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% 4.90% 2.96% 3.52% 3.67% 3.58% 3.88% 4.36% 4.26% 4.38% 4.10% 4.01% 4.11% 4.17% Long-Term AFR 2.63% 2.58% 2.58% 2.58% 2.258% 2.272% 2.88%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September 2010 January February March April May June July August September October November December	Long-Term AFF 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFF 4.11% 4.44% 4.35% 4.40% 4.35% 4.40% 3.94% 3.79% 3.66% 3.32% 3.35%
2005 January February March April May June July August September October November December 2008 January February March April May June July August September October November December 2011 January February March April May June July August September October November December August September August September August August September August	Long-Term AFR 4.76% 4.72% 4.52% 4.68% 4.83% 4.57% 4.35% 4.33% 4.52% 4.40% 4.57% 4.79% Long-Term AFR 4.46% 4.27% 4.46% 4.21% 4.46% 4.21% 4.46% 4.58% 4.58% 4.32% 4.24% 4.45% Long-Term AFR 3.88% 4.15% 4.30% 4.25% 4.19% 4.40% 4.25% 4.19% 4.40%	2006 January February March April May June July August September October November December 2009 January March April May June July August September October November December 2012 January August September October November December 2012 January March April May June July August September October November December April May January March April May January March April May June	Long-Term AFR 4.73% 4.61% 4.68% 4.79% 5.00% 5.32% 5.29% 5.36% 5.21% 5.02% 4.90% 4.90% Long-Term AFR 3.57% 2.96% 3.52% 3.67% 3.58% 4.26% 4.36% 4.10% 4.11% Long-Term AFR 2.63% 2.58% 2.65% 2.72% 2.89%	2007 January February March April May June July August September October November December 2010 January February March April May June July August September October November December 2010 January February March April May June July August September October November December 2013 January February March April May June July August September April May June July August September April May June July August September April May June	Long-Term AFF 4.73% 4.86% 5.01% 4.81% 4.90% 4.91% 5.15% 5.31% 5.09% 4.88% 4.89% 4.72% Long-Term AFF 4.11% 4.44% 4.35% 4.40% 4.35% 4.40% 3.94% 3.79% 3.66% 3.32% 3.35%
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