

BOARD OF GOVERNORS OF THE FEDERAL RESERVE SYSTEM



Report to the Congress on the Profitability of Credit Card Operations of Depository Institutions

Submitted to the Congress pursuant to section 8 of the Fair Credit and Charge Card Disclosure Act of 1988

June 2011

Section 8 of the Fair Credit and Charge Card Disclosure Act of 1988 directs the Federal Reserve Board to transmit annually to the Congress a report about the profitability of credit card operations of depository institutions.¹ This is the twenty-first report. The analysis here is based to a great extent on information from the Consolidated Reports of Condition and Income (Call Report) and two Federal Reserve surveys, the Quarterly Report of Credit Card Interest Rates and the Survey of Terms of Credit Card Plans.

Call Report Data

Every insured commercial bank files a Call Report each quarter with its federal supervisory agency. The Call Report provides a comprehensive balance sheet and income statement for each bank; however, it does not allocate all expenses or attribute all revenues to specific product lines, such as credit cards. Nevertheless, the data may be used to assess the profitability of credit card activities by analyzing the earnings of those banks established primarily to issue and service credit card accounts. These specialized or mono-lined banks are referred to here as "credit card banks."

For purposes of this report, credit card banks are defined by two criteria: (1) the bulk of their assets are loans to individuals (consumer lending), and (2) 90 percent or more of their consumer lending involves credit cards or related plans. Given this definition, it can reasonably be assumed that the profitability of these banks primarily reflects returns from their credit card operations.

The first credit card banks were chartered in the early 1980s; few were in operation prior to the mid-1980s. To provide a more reliable picture of the year-to-year changes in the profitability of the credit card operations of card issuers, this report limits its focus to credit card banks having at least \$200 million in assets. Most of these institutions have been in continuous operation for several years, particularly those with assets exceeding \$1 billion, and are well beyond the initial phase of their operations.

As of December 31, 2010, 15 banks with assets exceeding \$200 million met the definition of a credit card bank. At that time, these banks accounted for approximately 76 percent of outstanding credit card balances on the books of commercial banks or in pools underlying securities backed by credit card balances. Taken as a group, the average credit card related assets (both on- and off-balance sheet) for the 15 credit card banks over the course of 2010 was down about 3 percent from 2009.

In 2010, credit card banks with assets in excess of \$200 million reported net earnings before taxes and extraordinary items of 2.36 percent of outstanding balances adjusted for credit card-backed securitization (Table 1).² This positive return is a substantial rebound in earnings from 2009 when credit card banks as a group experienced negative net earnings for the first time since this report series was initiated in 1986. However, the large negative return in 2009 (-3.01

¹ P.L. 100-583, 102 Stat. 2960 (1988). The 2000 report covering 1999 data was not prepared as a consequence of the Federal Reports Elimination and Sunset Act. The report was subsequently reinstated by law.

² Calculations are adjusted for credit card backed securitizations because earnings as reported on the Call Report reflect revenues and expenses from outstandings both on the books of the institutions and in off-balance-sheet pools backing securities.

percent) was primarily due to a substantial downward adjustment of goodwill by one card issuer – excluding that adjustment, profitability would have been -0.46 percent.³ Although a marked improvement from reported 2009 earnings, the 2010 rate of return is below the average rate of return of 2.86 percent since 1986, and well below the profitability levels reached in the years leading up to the Great Recession.

A factor that complicates a comparison of the profitability of credit card activities in 2010 with previous years is a change in accounting standards. In June 2009, the Financial Accounting Standards Board (FASB) issued two new Statement of Financial Accounting Standards (FAS No. 166 and FAS No.167) that affect how the Call Reports reflect credit card activities.⁴

FAS 166 and 167 resulted in banking institutions bringing onto their balance sheets outstanding balances, including those originated under credit card agreements, that were previously held in securitization trusts and other special purpose entities. This consolidation of off-balance sheet and on-balance sheet items significantly affected aggregate balance sheet, and selected income and expense categories shown in the Call Reports. As a consequence, it is difficult to compare the income and expense categories in the 2009 and 2010 Call Reports to identify the specific sources of changes in profitability.

Earnings for credit card issuers in 2010, although somewhat weak by historic standards, reflect, in part, improvement in credit quality. Delinquency rates on credit cards increased from nearly 4 percent at the beginning of 2007, to a peak of 6.8 percent in mid-2009 before falling back to about 4.2 percent at the end of 2010.⁵ Charge-offs increased sharply in 2009 and in the first portion of 2010 in response to mounting delinquencies and defaults, but receded sharply in the second half of 2010.⁶ Earnings also were boosted by wider spreads between issuers' costs of funds and the rates charged to credit card borrowers.

³. Bank of America Corporation (BOA), owner of FIA Card Services, (one of the credit card banks considered for this report) announced it had amended previously filed Call Reports for FIA Services for 2009 and 2010 to reflect a non-cash, non-tax-deductible charge related to a \$20.3 billion goodwill impairment. The restatement of the 2009 Call Report has the effect of reducing the profitability of FIA Services as reflected in the 2009 Call Reports, and consequently reducing the aggregate profitability of the credit card banks followed for this report.

⁴. Refer to www.fasb.org/home

⁵. Refer to *Federal Reserve Statistical Release*, "Charge-Off and Delinquency Rates on Loans and Leases at Commercial Banks," www.federalreserve.gov/releases/chargeoff/delallsa.htm

⁵. Refer to *Federal Reserve Statistical Release*, "Charge-Off and Delinquency Rates on Loans and Leases at Commercial Banks," www.federalreserve.gov/releases/chargeoff/chgallsa.htm

⁶. Refer to www.federalreserve.gov/releases/chargeoff/chgallsa.htm

Table 1. Return on assets, large U.S. credit card banks, 1986–2010
(Percent)

Year	Return	Year	Return
1986	3.45	1998	2.87
1987	3.33	1999	3.34
1988	2.78	2000	3.14
1989	2.83	2001	3.24
1990	3.10	2002	3.28
1991	2.57	2003	3.66
1992	3.13	2004	3.55
1993	4.06	2005	2.85
1994	3.98	2006	3.34
1995	2.71	2007	2.75
1996	2.14	2008	1.43
1997	2.13	2009	-3.01
		2010	2.36

NOTE: Credit card banks are commercial banks with average managed assets (loans to individuals including securitizations) greater than or equal to 200 million dollars with minimum 50 percent of assets in consumer lending and 90 percent of consumer lending in the form of revolving credit. Profitability of credit card banks is measured as net pre-tax income as a percentage of average quarterly outstanding balances. The reported return for 2009 is revised from the 2010 report to reflect a restatement of goodwill that took place in 2010 but affected Call Report items in 2009 (refer to footnote 4 in the text).

SOURCE: Reports of Condition and Income, 1986-2010.

Although profitability for the large credit card banks has risen and fallen over the years, credit card earnings have been almost always higher than returns on all commercial bank activities.⁷ Earnings patterns for 2010 were consistent with historical experience: For all commercial banks, the average return on all assets, before taxes and extraordinary items was 0.95 percent in 2010 compared to 2.36 percent for the large credit card banks.⁸

One difficulty that arises in assessing changes in the profitability of credit card activities over time is that the sample of credit card banks changes somewhat from one year to the next primarily because of mergers and acquisitions. Thus, overall changes in profit rates from year to year reflect both real changes in activity and changes in the sample. To evaluate the effects of sample changes, the profitability of the specific banks included in the sample each year was also examined for the prior year. For 2010, the level of reported profitability for the constant panel of banks is the same as that shown in Table 1.

General Discussion

Thousands of firms offer bank cards to consumers and consumers use their cards extensively.⁹ The Federal Reserve's *G.19 Consumer Credit* report indicates that consumers carried a total of about \$800 billion in outstanding balances on their revolving accounts as of the end of 2010, down about 8 percent from 2009.¹⁰ The decline in outstanding balances from 2009 to 2010 comes on top of a fall from the preceding year as well, and reflects the lingering effects of the financial crisis that emerged in 2008 and the ensuing recession that saw consumers reduce spending and card issuers tighten credit availability.

Based on credit record data, it is estimated that in 2010 credit card borrowing accounted for about 6 percent of all outstanding household debt.¹¹ The amount of available credit under outstanding credit card lines far exceeds the aggregate of balances owed on such accounts. Credit record data indicate that as of the end of 2010 individuals were only using about one-quarter of the total dollar amount available on their lines under revolving credit card plans.

⁷ This report focuses on the profitability of large credit card banks, although many other banks engage in credit card lending without specializing in this activity. The profitability of the credit card activities of these other banks is difficult to discern. The cost structures, pricing behavior and cardholder profiles, and consequently the profitability of these diversified institutions may differ from that of the large, specialized card issuers considered in this report.

In earlier annual reports on credit card profitability, information from the Federal Reserve's Functional Cost Analysis (FCA) Program was used to measure the profitability of the credit card activities of smaller credit card issuers. These data tended to show credit card activities were less profitable for smaller issuers than for larger ones. The FCA program was discontinued in the year 2000. For further discussion, see Glenn B. Canner and Charles A. Luckett, "Developments in the Pricing of Credit Card Services," *Federal Reserve Bulletin*, vol. 78, no. 9 (September 1992), pp. 652-666.

⁸ Returns for all commercial banks are derived from the Reports of Condition and Income.

⁹ Currently, over 5,000 depository institutions including commercial banks, credit unions and savings institutions, issue VISA and MasterCard credit cards and independently set the terms and conditions on their plans. Many thousands of other institutions act as agents for card-issuing institutions. In addition to the firms issuing cards through the VISA and MasterCard networks, two other large firms, American Express Co. and Discover Financial Services, issue independent general purpose credit cards to the public.

¹⁰ Refer to www.federalreserve.gov/releases/g19/Current.

¹¹ Refer to the *Quarterly Report on Household Debt and Credit*, available at www.newyorkfed.org/index.html

Consumers use their cards for purposes of borrowing and because they serve as a convenient payment device and standby line of credit for unforeseen expenses. As a source of credit, credit card loans have substituted for borrowing that previously might have taken place using other loan products, such as closed-end installment loans and personal lines of credit. As a convenient payment device, a portion of the outstanding balances reflects primarily “convenience use”, that is, balances consumers intend to repay within the standard interest-rate grace period offered by most card issuers.

Prior to the early 1990s, card issuers competed primarily by waiving annual fees and providing credit card program enhancements such as airline mileage programs or other travel-related benefits. Since then interest rate competition has played a more prominent role, although for some market segments enhancements, including “reward” programs, such as cash-back or point features, and temporary interest-free or reduced interest-rate periods for both balance transfers and new purchases, are especially important in gaining market acceptance.¹²

Until the recent financial crisis, many credit card issuers, including nearly all of the largest issuers, had lowered interest rates on the majority of their accounts below the 18 to 19 percent levels commonly maintained through most of the 1980s and early 1990s. More generally, credit card interest rates have become more responsive to issuers' cost of funds in recent years as more issuers have tied the interest rates on their plans directly to one of several indexes that move with market rates. Moreover, recent changes in credit card rules that restrict the ability of card issuers to change interest rates on outstanding balances create an incentive for more issuers to convert from fixed-rate to variable-rate plans.

In soliciting new accounts and managing existing account relationships, issuers segment their cardholder bases according to risk characteristics, offering more attractive rates to customers who have good payment records while imposing relatively high rates on higher-risk or late-paying cardholders. Card issuers also closely monitor payment behavior, charge volume and account profitability and adjust credit limits accordingly both to allow increased borrowing capacity as warranted and to limit credit risk.

In the recent economic downturn card issuers have aggressively reviewed interest rates and credit limits and have reduced limits on millions of accounts, particularly accounts that were inactive or those little used by cardholders.¹³ Credit record data indicate that over the past two years or so credit limits have been cut on accounts held by cardholders across the full range of credit scores. Issuers have also closed many dormant or little used accounts as well as accounts that have become delinquent.¹⁴ Issuers have responded aggressively to the difficult economic

¹² Refer to “Credit Cards: Increased Complexity in Rates and Fees Heightens Need for More Effective Disclosures to Consumers,” Government Accountability Office, GAO-06-929, April 21, 2006; available at www.gao.gov. Also, refer to www.comperemedia.com/press_releases/1099.

¹³ Information from a nationally representative sample of credit records found that about half of the bankcard holders that had at least one bankcard at the end of 2007 experienced a reduction in the aggregate limit available on their combined bankcards by end of 2010. This estimate includes those that had at least one bankcard account closed which everything else the same would result in a lower aggregate limit. Estimate based on the FRBNY Consumer Credit Panel, refer to www.newyorkfed.org/index.html

¹⁴ One estimate indicates that the number of MasterCard and VISA credit card accounts fell more than 11 percent from 2009 to 2010. Refer to the *Nilson Report*, Issue 965, February 2011.

environment because inactive or little used accounts pose considerable risk of loss while offering little potential for profit as cardholders can draw on these accounts if they encounter financial distress. Trends in credit card pricing are discussed in more detail below.

The U.S. general purpose bank credit card market is dominated by VISA and MasterCard labeled cards that combined accounted for an estimated 409 million cards in 2010, down roughly 14 percent from about 473 million in 2009.¹⁵ In addition, American Express and Discover Card Services provided another 105 million general purpose cards to consumers in 2010, up about 2 percent from 2009. The combined total of charge volume and cash advances using credit cards increased nearly 4 percent from the 2009 level but the total volume was still down about 10 percent from the \$2.174 trillion level reached in 2008.

Direct mail solicitations continue to be an important channel used for new account acquisition and account retention. After reaching an all-time high in 2005 of 6.05 billion direct mail solicitations, mailings fell sharply as the Great Recession emerged. Mail solicitations fell to only 3.8 billion in 2008.¹⁶ The effects of the weak economic environment led to a further decline in solicitations in 2009 as card issuers sent only about 1.8 billion mailings during the year. Industry data indicate however that the retrenchment in mailings began to reverse starting in the third quarter of 2009 as prospects for economic recovery improved. Industry data on mail solicitations showed a nearly 50 percent increase from the third to the fourth quarter of 2009 and an increase of some 136 percent from the 4th quarter of 2009 to the fourth quarter of 2010.¹⁷ Overall, there were nearly 4.5 billion mail solicitations sent out in 2010, up about 150 percent from the 2009 level.

Recent Trends in Credit Card Pricing

Aside from questions about the profitability of credit card operations, considerable attention has been focused on credit card pricing and how it has changed in recent years. Analysis of the trends in credit card pricing in this report focuses on credit card interest rates because they are the most important component of the pricing of credit card services. Credit card pricing, however, involves other elements, including annual fees, fees for cash advances and balance transfers, rebates, minimum finance charges, over-the-limit fees, and late payment charges.¹⁸ In addition, the length of the "interest-free" grace period, if any, can have an

¹⁵ Figures cited in this sentence and the remainder of the paragraph are from *The Nilson Report*, February 2011 issue 942.

¹⁶ Source: Data from Mintel Comperemedia. Refer to www.comperemedia.com

¹⁷ Refer to "Q4 2009 U. S. Consumer Acquisition Credit Card Overview", report prepared by Mintel International Group, www.comperemedia.com. A sharp expansion in mailings from the third to the fourth quarter of 2009 was also reported by Synovate Mail Monitor February 2010. Refer to "Credit Card Offers Make a Comeback to U.S. Households," <http://mailmonitor.synovate.com/news.asp>

¹⁸ In June 1996, the Supreme Court ruled that states may not regulate the fees charged by out-of-state credit card issuers. States have not been permitted to regulate the interest rates out-of-state banks charge. In making its decision, the Court supported the position previously adopted by the Comptroller of the Currency that a wide variety of bank charges, such as late fees, membership fees, and over-the-limit fees, are to be considered interest payments for this purpose. This ruling will likely ensure that banks will continue to price credit cards in multidimensional ways rather than pricing exclusively through interest rates. Source: Valerie Block, "Supreme Court Upholds Nationwide Card Charges," *American Banker*, June 4, 1996.

An assessment of the fees charged by credit card issuers is provided in "Credit Cards: Increased complexity in Rates

important influence on the amount of interest consumers pay when they use credit cards to generate revolving credit.

Over the past several years, pricing practices in the credit card market have changed significantly. Today card issuers offer a broad range of card plans with differing rates depending on credit risk and consumer usage patterns. Moreover, issuers have moved to variable-rate pricing that ties movements in their interest rates to a specified index such as the prime rate.

As noted, risk-based pricing has become a central element of most credit card plan pricing regimes and the current downturn and new credit card rules spurred changes in pricing in 2009 and 2010. In most plans, an issuer establishes a rate of interest for customers of a given risk profile; if the consumer borrows and pays within the terms of the plan, that rate applies. If the borrower fails to meet the plan requirements, for example, the borrower pays late or goes over their credit limit, the issuer may reprice the account reflecting the higher credit risk revealed by the new behavior. Regulations that became effective in February 2010 limit the ability of card issuers to reprice outstanding balances for cardholders that have not fallen at least 60 days behind on the payments on their accounts. Issuers may, however, reprice outstanding balances if they were extended under a variable-rate plan and the underlying index used to establish the rate of interest (such as the prime rate) changes. The new rules continue to provide issuers with considerable pricing flexibility regarding new balances.

At present, the Federal Reserve collects information on credit card pricing through two surveys of credit card issuers. Because of the significant changes in the pricing of credit card services, the Federal Reserve initiated the *Quarterly Report of Credit Card Interest Rates* (FR 2835a) at the end of 1994. This survey collects information from a sample of credit card issuers on (1) the average nominal interest rate and (2) the average computed interest rate. The former is the simple average interest rate posted across all accounts; the latter is the average interest rate paid by those cardholders that incur finance charges. These two measures can differ because some cardholders are convenience users who pay off their balances during the interest-free grace period and therefore do not typically incur finance charges. Together, these two interest rate series provide a measure of credit card pricing. The data are made available to the public each quarter in the Federal Reserve Statistical Release *G.19 Consumer Credit*. The Federal Reserve also collects detailed information on the pricing features of the largest credit card plan of a sample of issuers through the *Survey of Terms of Credit Card Plans* (FR 2572).¹⁹

Because information from the FR 2835a survey does not have an extended historical interest rate series for comparison purposes, this report also presents data from the survey that preceded and was replaced by the FR 2835a, the Federal Reserve's *Quarterly Report of Interest Rates on Selected Direct Consumer Installment Loans* (FR 2835). Data from the FR 2835 indicate that credit card interest rates fell sharply from mid-1991 through early 1994 after being relatively stable for most of the previous twenty years, and fell again over the 1998-2003 period

and Fees Heightens Need for More Effective Disclosures to Consumers,” U.S. Government Accountability Office, Report 06-929, September 12, 2006. Refer to www.gao.gov

¹⁹ The information in the FR 2572 survey is published twice a year by the Federal Reserve. Historically, the data were made available in a statistical release, the E.5 “*Report of the Terms of Credit Card Plans*.” Beginning in 1995, the E.5 statistical release was discontinued and data are now available exclusively on the Board’s web site at www.federalreserve.gov/creditcard/survey.html

(Table 2).²⁰ Since early 1998, credit card interest rates have fluctuated between 12.78 and 15.85 percent.

It is important to note that while average rates paid by consumers have moved in a relatively narrow band over the past several years, interest rates charged vary considerably across credit card plans and borrowers reflecting the various features of the plans and the risk profile of the card holders served. For 2010, credit card interest rates averaged 14.26 percent for those incurring finance charges, virtually unchanged (down only 5 basis points) from the 2009 average.²¹ It is important to note that as the recession emerged, spreads between issuers' cost of funds and prices charged on credit cards widened substantially, and remained at elevated levels throughout 2010. Thus, even though nominal rates on accounts incurring interest charges remained roughly unchanged from 2009 to 2010, the historically wide spreads suggest interest rates on credit card accounts might have fallen in a different economic and regulatory environment.

Additional evidence on changes in credit card interest rates comes from the FR 2572. Although not precisely comparable from period-to-period because of changes in the sample of reporters, this statistical series reveals a general decline in credit card interest rates in recent years. For example, only 11 percent of the respondents reported interest rates below 16 percent on their largest credit card plan as of September 1991, but 80 percent did so as of January 2011 (the most recent report available). In addition, the proportion of card issuers reporting that they utilize variable-rate pricing has also increased substantially since September 1991. As of September 1991, 23 percent of issuers used variable-rate pricing; as of January 2011, the proportion was 69 percent.

Recent Regulatory and Legislative Actions

Credit card related lending has been the focus of regulatory and legislative activity. The new rules affect a variety of business practices and have affected the pricing, marketing and underwriting of credit cards and ultimately their use by consumers.

On December 18, 2008 the Federal Reserve Board approved regulatory changes to protect credit card users by prohibiting certain unfair acts or practices and improving the disclosures consumers receive in connection with credit card accounts and other revolving credit plans.²² The rules prohibiting certain credit card practices were adopted under the Federal Trade Commission Act, and were issued concurrently with substantially similar rules by the Office of Thrift Supervision and the National Credit Union Administration. The Federal Reserve Board also adopted rules to revise the disclosures consumers receive in connection with credit card accounts and other revolving credit plans to ensure that information is provided in a timely manner and in a form that is readily understandable. These rules amended Regulation Z (Truth in Lending). The final rules under Regulation Z require changes to the format, timing, and content requirements for credit card applications and solicitations and for the disclosures that consumers receive throughout the life of an open-end account.

²⁰ For a comprehensive discussion of the factors that account for the levels and changes in credit card interest rates, see Glenn B. Canner and Charles A. Lockett, "Developments in the Pricing of Credit Card Services"; also U.S. General Accountability Office, *U.S. Credit Card Industry* (GAO/GGD-94-23, 1994).

²¹ It should be emphasized that the interest rates reported after August 1994 are based on the new survey and are not strictly comparable to the interest rates reported on the older survey.

²² Refer to www.federalreserve.gov/newsevents/press/bcreg/20081218a.htm

On May 22, 2009 the “Credit Card Accountability Responsibility and Disclosure Act of 2009” (referred to here as the *Card Act*) was enacted by the Congress to establish new protections for credit card users by prohibiting or limiting certain acts or practices and improving the disclosures consumers receive in connection with credit card accounts and other revolving credit plans. The legislation mirrors in many respects the Federal Reserve’s recent changes to credit card rules but goes further in a number of areas. Among its many provisions, the Card Act ensures advanced notification of changes in key credit terms and establishes rules regarding repricing of outstanding balances; requires allocation of payments above the minimum to balances that are assessed the highest interest rate first; limits the imposition of certain fees; establishes rules for cardholders to “opt-in” if they wish to have their issuer allow a transaction to be paid if the payment exceeds their credit limit; requires disclosure of the consequences of only making required payments; places limitations on extending credit cards to those under the age of 21; establishes a requirement that issuers must consider the consumer’s ability to make the required payments under the terms of a credit card plan before issuing a card or increasing a credit limit; and restricts fees on so-called “subprime” credit cards.

Rules regarding advanced notice and the amount of time a cardholder has to make payments took effect in August 2009. Most of the other rules that implement the provisions of the Card Act took effect on February 22, 2010.²³ Additional rules, including provisions that ensure that so-called “penalty” fees (fees for late payments and for exceeding credit limits) are reasonable and proportional, took effect on August 22, 2010.²⁴ Under the new penalty pricing rules, a credit card issuer cannot charge more than \$25 unless one of the cardholders last six payments was late, in which case the fee can be as high as \$35, or the card issuer can demonstrate that the costs they incurred as a result of the late payment justify a higher fee.

Assessing the extent to which changes in credit pricing or credit availability are due to changes in either the economic environment or regulatory framework is beyond the scope of this report, but is a focus of a forthcoming report to the Congress by the Consumer Financial Protection Bureau due in August 2012.

²³. Refer to www.federalreserve.gov/consumerinfo/wyntk_creditcardrules2.htm

²⁴. Refer to www.federalreserve.gov/consumerinfo/wyntk_creditcardrules2.htm

Table 2. Average most common interest rate on credit card plans, 1974–August 1994, and the interest rate assessed on accounts incurring interest charges, November 1994–2010

(Percent)

Year	Interest rate	Year	Quarter	Interest rate
1974	17.20	2000	February	14.32
1975	17.16		May	14.74
1976	17.05		August	15.35
1977	16.88		November	15.23
1978	17.03	2001	February	14.61
1979	17.03		May	14.63
1980	17.31		August	14.64
1981	17.78		November	13.88
1982	18.51	2002	February	12.98
1983	18.78		May	13.34
1984	18.77		August	13.26
1985	18.69		November	12.78
1986	18.26	2003	February	12.85
1987	17.92		May	12.82
1988	17.78		August	13.11
1989	18.02		November	12.91
1990	18.17	2004	February	12.41
1991	18.23		May	12.93
1992	17.78		August	13.60
1993	16.83		November	13.92
1994	15.77	2005	February	14.13
1995	15.79		May	14.81
1996	15.50		August	14.75
1997	15.57		November	14.48
1998	15.59	2006	February	14.38
1999	14.81		May	14.77
2000	14.91		August	14.67
2001	14.44		November	15.09
2002	13.09	2007	February	14.64
2003	12.92		May	14.47
2004	13.21		August	15.24
2005	14.54		November	14.35
2006	14.73	2008	February	13.77
2007	14.68		May	13.51
2008	13.57		August	13.64
2009	14.31		November	13.36
2010	14.26	2009	February	13.54
			May	14.43
			August	14.90
			November	14.37
		2010	February	14.67
			May	14.48
			August	14.22
			November	13.67

Note: Prior to November 1994 interest rates were those reported in the Quarterly Report of Interest Rates on Selected Direct Installment Loans. Beginning in November 1994 interest rates are those reported on the Quarterly Report of Credit Card Interest Rates for those credit card holders incurring interest charges.

Source: Board of Governors of the Federal Reserve System.