FORM N-CSRS

Certified semi-annual shareholder report of registered management investment companies filed on Form N-CSR

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FILER

CASH TRUST SERIES II

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United States
Securities and Exchange Commission
Washington, D.C. 20549

Form N-CSR
Certified Shareholder Report of Registered Management Investment Companies

811-6269

(Investment Company Act File Number)

Cash Trust Series II

(Exact Name of Registrant as Specified in Charter)

Federated Investors Funds
4000 Ericsson Drive
Warrendale, PA 15086-7561
(Address of Principal Executive Offices)

(412) 288-1900
(Registrant's Telephone Number)

John W. McGonigle, Esquire
Federated Investors Tower
1001 Liberty Avenue
Pittsburgh, Pennsylvania 15222-3779
(Name and Address of Agent for Service)
(Notices should be sent to the Agent for Service)

Date of Fiscal Year End: 05/31/2013

Date of Reporting Period: Six months ended 11/30/2012

Item 1. Reports to Stockholders

Semi-Annual Shareholder Report

November 30, 2012

Share Class	Ticker
Cash II	CTWXX

Federated Treasury Cash Series II

A Portfolio of Cash Trust Series II

Not FDIC Insured
May Lose Value
No Bank Guarantee

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Portfolio of Investments Summary Tables (unaudited)

At November 30, 2012, the Fund's portfolio composition[1] was as follows:

Portfolio Composition	Percentage of Total Net Assets
Repurchase Agreements	75.2%
U.S. Treasury Securities	25.4%
Other Assets and Liabilities—Net[2]	(0.6)%
TOTAL	**100.0%**

At November 30, 2012, the Fund's effective maturity[3] schedule was as follows:

Securities With an Effective Maturity of:	Percentage of Total Net Assets
1-7 Days	68.3%
8-30 Days	4.1%
31-90 Days	8.0%
91-180 Days	6.8%
181 Days or more	13.4%
Other Assets and Liabilities—Net[2]	(0.6)%
TOTAL	**100.0%**

1 *See the Fund's Prospectus and Statement of Additional Information for a description of the types of securities in which the Fund invests.*

2 *Assets, other than investments in securities, less liabilities. See Statement of Assets and Liabilities.*

3 *Effective maturity is determined in accordance with the requirements of Rule 2a-7 under the Investment Company Act of 1940, which regulates money market mutual funds.*

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Portfolio of Investments

November 30, 2012 (unaudited)

Principal Amount		Value
	U.S. TREASURY—25.4%	
$ 650,000	United States Treasury Notes, 0.125% - 3.125%, 9/30/2013	$ 659,540
500,000	United States Treasury Notes, 0.500%, 10/15/2013	501,293
500,000	United States Treasury Notes, 0.500%, 11/15/2013	501,355
500,000	United States Treasury Notes, 0.750%, 9/15/2013	502,250
750,000	United States Treasury Notes, 1.000%, 7/15/2013	753,528
2,600,000	United States Treasury Notes, 1.125%, 6/15/2013	2,613,047
500,000	United States Treasury Notes, 1.375%, 1/15/2013	500,757
1,750,000	United States Treasury Notes, 1.375%, 2/15/2013	1,754,389
1,000,000	United States Treasury Notes, 1.375%, 3/15/2013	1,003,306
1,500,000	United States Treasury Notes, 1.375%, 5/15/2013	1,507,917
2,000,000	United States Treasury Notes, 1.750%, 4/15/2013	2,011,625
1,500,000	United States Treasury Notes, 2.000%, 11/30/2013	1,526,679
500,000	United States Treasury Notes, 2.500%, 3/31/2013	503,754
750,000	United States Treasury Notes, 2.750%, 2/28/2013	754,680
600,000	United States Treasury Notes, 2.750%, 10/31/2013	613,970
550,000	United States Treasury Notes, 3.125%, 8/31/2013	562,023
500,000	United States Treasury Notes, 3.375%, 6/30/2013	509,205
1,000,000	United States Treasury Notes, 3.375%, 7/31/2013	1,021,157

750,000	United States Treasury Notes, 3.625%, 12/31/2012	752,109
	TOTAL U.S. TREASURY	18,552,584
	REPURCHASE AGREEMENTS—75.2%	
1,000,000	[1] Interest in $470,000,000 joint repurchase agreement 0.20%, dated 11/16/2012 under which BNP Paribas Securities Corp. will repurchase securities provided as collateral for $470,156,667 on 1/15/2013. The securities provided as collateral at the end of the period held with The Bank of New York Mellon, tri-party agent, were U.S. Treasury securities with various maturities to 2/15/2042 and the market value of those underlying securities was $479,445,351.	1,000,000
1,000,000	Interest in $500,000,000 joint repurchase agreement 0.20%, dated 11/30/2012 under which Bank of Montreal will repurchase securities provided as collateral for $500,019,444 on 12/7/2012. The securities provided as collateral at the end of the period held with The Bank of New York Mellon, tri-party agent, were U.S. Treasury securities with various maturities to 2/15/2038 and the market value of those underlying securities was $510,008,590.	1,000,000

Principal Amount		Value
	REPURCHASE AGREEMENTS—continued	
$1,000,000	[1] Interest in $282,000,000 joint repurchase agreement 0.16%, dated 11/20/2012 under which Barclays Capital, Inc. will repurchase securities provided as collateral for $282,115,307 on 2/20/2013. The securities provided as collateral at the end of the period held with The Bank of New York Mellon, tri-party agent, were U.S. Treasury securities with various maturities to 8/15/2023 and the market value of those underlying securities was $287,656,704.	$1,000,000
3,000,000	[1] Interest in $914,000,000 joint repurchase agreement 0.16%, dated 9/17/2012 under which Barclays Capital, Inc. will repurchase securities provided as collateral for $914,369,662 on 12/17/2012. The securities provided as collateral at the end of the period held with The Bank of New York Mellon, tri-party agent, were U.S. Treasury securities with various maturities to 11/15/2040 and the market value of those underlying securities was $932,599,195.	3,000,000
6,780,000	Interest in $4,000,000,000 joint repurchase agreement 0.22%, dated 11/30/2012 under which Credit Agricole CIB New York will repurchase securities provided as collateral for $4,000,073,333 on 12/3/2012. The securities provided as collateral at the end of the period held with The Bank of New York Mellon, tri-party agent, were U.S. Treasury securities with various maturities to 8/15/2022 and the market value of those underlying securities was $4,080,074,823.	6,780,000
1,000,000	Interest in $350,000,000 joint repurchase agreement 0.17%, dated 11/28/2012 under which CS First Boston Corp. will repurchase securities provided as collateral for $350,011,569 on 12/5/2012. The securities provided as collateral at the end of the period held with JPMorgan Chase & Co., tri-party agent, were U.S. Treasury securities with various maturities to 5/15/2015 and the market value of those underlying securities was $357,005,648.	1,000,000
1,000,000	Interest in $400,000,000 joint repurchase agreement 0.18%, dated 11/29/2012 under which CS First Boston Corp. will repurchase securities provided as collateral for $400,014,000 on 12/6/2012. The securities provided as collateral at the end of the period held with JPMorgan Chase & Co., tri-party agent, were U.S. Treasury securities with various maturities to 5/15/2015 and the market value of those underlying securities was $408,002,053.	1,000,000
3,000,000	Interest in $1,000,000,000 joint repurchase agreement 0.17%, dated 11/27/2012 under which Deutsche Bank Securities, Inc. will repurchase securities provided as collateral for $1,000,033,056 on 12/4/2012. The securities provided as collateral at the end of the period held with The Bank of New York Mellon, tri-party agent, were U.S. Treasury securities with	3,000,000

	various maturities to 11/15/2040 and the market value of those underlying securities was $1,020,028,971.	
3,000,000	Interest in $1,500,000,000 joint repurchase agreement 0.18%, dated 11/28/2012 under which Deutsche Bank Securities, Inc. will repurchase securities provided as collateral for $1,500,052,500 on 12/5/2012. The securities provided as collateral at the end of the period held with The Bank of New York Mellon, tri-party agent, were U.S. Treasury securities with various maturities to 5/15/2041 and the market value of those underlying securities was $1,530,038,283.	3,000,000

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Principal Amount		**Value**
	REPURCHASE AGREEMENTS—continued	
$ 3,000,000	Interest in $915,000,000 joint repurchase agreement 0.18%, dated 11/28/2012 under which Goldman Sachs and Co. will repurchase securities provided as collateral for $915,032,025 on 12/5/2012. The securities provided as collateral at the end of the period held with The Bank of New York Mellon, tri-party agent, were U.S. Treasury securities with various maturities to 1/15/2020 and the market value of those underlying securities was $933,323,440.	$ 3,000,000
10,000,000	Interest in $2,000,000,000 joint repurchase agreement 0.15%, dated 11/30/2012 under which HSBC Securities (USA), Inc. will repurchase securities provided as collateral for $2,000,025,000 on 12/3/2012. The securities provided as collateral at the end of the period held with JPMorgan Chase & Co., tri-party agent, were U.S. Treasury securities with various maturities to 11/15/2027 and the market value of those underlying securities was $2,040,004,047.	10,000,000
1,000,000	Interest in $650,000,000 joint repurchase agreement 0.19%, dated 11/30/2012 under which HSBC Securities (USA), Inc. will repurchase securities provided as collateral for $650,024,014 on 12/7/2012. The securities provided as collateral at the end of the period held with JPMorgan Chase & Co., tri-party agent, were U.S. Treasury securities with various maturities to 2/15/2036 and the market value of those underlying securities was $663,006,141.	1,000,000
10,000,000	Interest in $1,750,000,000 joint repurchase agreement 0.20% dated 11/30/2012 under which RBC Capital Markets, LLC will repurchase securities provided as collateral for $1,750,029,167 on 12/3/2012. The securities provided as collateral at the end of the period held with The Bank of New York Mellon, tri-party agent, were U.S. Treasury securities with various maturities to 8/31/2019 and the market value of those underlying securities was $1,785,029,766.	10,000,000
10,000,000	Interest in $500,000,000 joint repurchase agreement 0.21%, dated 11/30/2012 under which TD Securities (USA), LLC will repurchase securities provided as collateral for $500,008,750 on 12/3/2012. The securities provided as collateral at the end of the period held with The Bank of New York Mellon, tri-party agent, were U.S. Treasury securities with various maturities to 2/28/2019 and the market value of those underlying securities was $510,008,961.	10,000,000
	TOTAL REPURCHASE AGREEMENTS	54,780,000
	TOTAL INVESTMENTS—100.6% (AT AMORTIZED COST)[2]	73,332,584
	OTHER ASSETS AND LIABILITIES - NET—(0.6)%[3]	(462,905)
	TOTAL NET ASSETS—100%	$72,869,679

1 *Although the repurchase date is more than seven days after the date of purchase, the Fund has the right to terminate the repurchase agreement at any time with seven-days' notice.*

2 *Also represents cost for federal tax purposes.*

3 *Assets, other than investments in securities, less liabilities. See Statement of Assets and Liabilities.*

Note: The categories of investments are shown as a percentage of total net assets at November 30, 2012.

Various inputs are used in determining the value of the Fund's investments. These inputs are summarized in the three broad levels listed below:

- Level 1— quoted prices in active markets for identical securities, including investment companies with daily net asset values, if applicable.
- Level 2— other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.). Also includes securities valued at amortized cost.
- Level 3— significant unobservable inputs (including the Fund's own assumptions in determining the fair value of investments).

The inputs or methodology used for valuing securities are not an indication of the risk associated with investing in those securities.

As of November 30, 2012, all investments of the Fund are valued at amortized cost, which is considered a Level 2 input, in valuing the Fund's assets.

See Notes which are an integral part of the Financial Statements

Financial Highlights – Cash II Shares

(For a Share Outstanding Throughout Each Period)

	Six Months Ended (unaudited) 11/30/2012	Year Ended May 31,				
		2012	2011	2010	2009	2008
Net Asset Value, Beginning of Period	**$1.00**	**$1.00**	**$1.00**	**$1.00**	**$1.00**	**$1.00**
Income From Investment Operations:						
Net investment income	—	—	—	—[1]	0.004	0.030
Net realized gain on investments	—	0.000[2]	0.000[2]	0.000[2]	0.000[2]	—
TOTAL FROM INVESTMENT OPERATIONS	—	0.000[2]	0.000[2]	0.000[2]	0.004	0.030
Less Distributions:						
Distributions from net investment income	—	—	—	—	(0.004)	(0.030)
Distributions from net realized gain on investments	(0.000)[2]	(0.000)[2]	(0.000)[2]	—	(0.000)[2]	—
TOTAL DISTRIBUTIONS	(0.000)[2]	(0.000)[2]	(0.000)[2]	—	(0.004)	(0.030)
Net Asset Value, End of Period	**$1.00**	**$1.00**	**$1.00**	**$1.00**	**$1.00**	**$1.00**
Total Return[3]	0.00%[4]	0.00%[4]	0.00%[4]	0.00%[4]	0.40%	3.01%
Ratios to Average Net Assets:						
Net expenses	0.18%[5]	0.11%	0.20%	0.24%	0.64%	0.83%
Net investment income	0.00%[5]	0.00%	0.00%	0.00%	0.44%	3.01%
Expense waiver/reimbursement[6]	0.88%[5]	1.08%	0.93%	0.74%	0.26%	0.03%

Supplemental Data:						
Net assets, end of period (000 omitted)	$72,870	$78,885	$68,478	$92,998	$130,903	$302,004

1 *Calculated using the average shares method.*

2 *Represents less than $0.001.*

3 *Based on net asset value. Total returns for periods of less than one year are not annualized.*

4 *Represents less than 0.01%.*

5 *Computed on an annualized basis.*

6 *This expense decrease is reflected in both the net expense and the net investment income ratios shown above.*

See Notes which are an integral part of the Financial Statements

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Statement of Assets and Liabilities

November 30, 2012 (unaudited)

Assets:		
Investment in repurchase agreements	$54,780,000	
Investment in securities	18,552,584	
Total investment in securities, at amortized cost and fair value		$73,332,584
Income receivable		82,287
Receivable for shares sold		58
TOTAL ASSETS		73,414,929
Liabilities:		
Payable for investments purchased	508,969	
Payable for shares redeemed	1,000	
Bank overdraft	27,531	
Payable to adviser (Note 4)	1,648	
Payable for Directors'/Trustees' fees	569	
Accrued expenses	5,533	
TOTAL LIABILITIES		545,250
Net assets for 72,869,669 shares outstanding		$72,869,679
Net Assets Consist of:		
Paid-in capital		$72,869,679
Net Asset Value, Offering Price and Redemption Proceeds Per Share:		
$72,869,679 ÷ 72,869,669 shares outstanding, no par value, unlimited shares authorized		$1.00

See Notes which are an integral part of the Financial Statements

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Statement of Operations

Six Months Ended November 30, 2012 (unaudited)

Investment Income:			
Interest			$67,040
Expenses:			
Investment adviser fee (Note 4)		$ 190,360	
Administrative fee (Note 4)		52,610	
Custodian fees		6,175	
Transfer and dividend disbursing agent fees and expenses		7,257	
Directors'/Trustees' fees		3,205	
Auditing fees		9,651	
Legal fees		4,345	
Portfolio accounting fees		21,185	
Distribution services fee (Note 4)		73,479	
Share registration costs		11,321	
Printing and postage		5,753	
Insurance premiums		1,982	
Miscellaneous		16,154	
TOTAL EXPENSES		403,477	
Waivers and Reimbursement:			
Waiver of investment adviser fee (Note 4)	$(190,360)		
Waiver of administrative fee (Note 4)	(6,110)		
Waiver of distribution services fee (Note 4)	(73,479)		
Waiver of transfer and dividend disbursing agent fees and expenses	(500)		
Reimbursement of other operating expenses (Note 4)	(65,988)		
TOTAL WAIVERS AND REIMBURSEMENT		(336,437)	
Net expenses			67,040
Net investment income			—

See Notes which are an integral part of the Financial Statements

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Statement of Changes in Net Assets

	Six Months Ended (unaudited) 11/30/2012	Year Ended 5/31/2012
Increase (Decrease) in Net Assets		

Operations:		
Net investment income	$ —	$ —
Net realized gain on investments	—	118
CHANGE IN NET ASSETS RESULTING FROM OPERATIONS	—	118
Distributions to Shareholders:		
Distributions from net realized gain on investments	(103)	(239)
Share Transactions:		
Proceeds from sale of shares	114,111,640	226,540,272
Net asset value of shares issued to shareholders in payment of distributions declared	23	60
Cost of shares redeemed	(120,127,268)	(216,132,832)
CHANGE IN NET ASSETS RESULTING FROM SHARE TRANSACTIONS	(6,015,605)	10,407,500
Change in net assets	(6,015,708)	10,407,379
Net Assets:		
Beginning of period	78,885,387	68,478,008
End of period	$ 72,869,679	$ 78,885,387

See Notes which are an integral part of the Financial Statements

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Notes to Financial Statements

November 30, 2012 (unaudited)

1. ORGANIZATION

Cash Trust Series II (the “ Trust”) is registered under the Investment Company Act of 1940, as amended (the “Act”), as an open-end management investment company. The Trust consists of one portfolio, Federated Treasury Cash Series II (the “Fund”). The investment objective of the Fund is to provide current income consistent with stability of principal and liquidity.

2. SIGNIFICANT ACCOUNTING POLICIES

The following is a summary of significant accounting policies consistently followed by the Fund in the preparation of its financial statements. These policies are in conformity with U.S. generally accepted accounting principles (GAAP).

Investment Valuation

Securities are valued at amortized cost. Under the amortized cost valuation method, an investment is valued initially at its cost as determined in accordance with GAAP. The Fund then adjusts the amount of interest income accrued each day over the term of the investment to account for any difference between the initial cost of the investment and the amount payable at its maturity. If amortized cost is determined not to approximate fair value, the value of the portfolio securities will be determined under procedures established by and under the general supervision of the Board of Trustees (the “Trustees”).

The Trustees have appointed a Valuation Committee comprised of officers of the Fund, Federated Investment Management Company (“Adviser”) and the Adviser's affiliated companies to determine fair value of securities and in overseeing the comparison of amortized cost to market value. The Trustees have also authorized the use of pricing services recommended by the Valuation Committee to provide fair value evaluations of the current value of certain investments for purposes of monitoring the relationship of market value and amortized cost. The Valuation Committee employs various methods for reviewing third-party pricing service evaluations including periodic reviews of third-party pricing services' policies, procedures and valuation methods (including key inputs and assumptions), and review of price challenges by the Adviser based on recent market activity. In the event that market quotations and price evaluations are not available for an investment, the Valuation Committee determines the fair value of the investment in accordance with procedures adopted by the Trustees. The Trustees periodically review and approve the fair valuations made by the Valuation Committee and any changes made to the procedures.

Repurchase Agreements

The Fund may invest in repurchase agreements for short-term liquidity purposes. It is the policy of the Fund to require the other party to a repurchase agreement to transfer to the Fund's custodian or sub-custodian eligible securities or cash with a market value (after transaction costs) at least equal to the repurchase price to be paid under the repurchase agreement. The eligible securities are transferred to accounts with the custodian or sub-custodian in which the Fund holds a “securities entitlement” and exercises “control” as those terms are defined in the Uniform Commercial Code. The Fund has established procedures for monitoring the market value of the transferred securities and requiring the transfer of

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additional eligible securities if necessary to equal at least the repurchase price. These procedures also allow the other party to require securities to be transferred from the account to the extent that their market value exceeds the repurchase price or in exchange for other eligible securities of equivalent market value.

The insolvency of the other party or other failure to repurchase the securities may delay the disposition of the underlying securities or cause the Fund to receive less than the full repurchase price. Under the terms of the repurchase agreement, any amounts received by the Fund in excess of the repurchase price and related transaction costs must be remitted to the other party.

The Fund may enter into repurchase agreements in which eligible securities are transferred into joint trading accounts maintained by the custodian or sub-custodian for investment companies and other clients advised by the Fund's Adviser and its affiliates. The Fund will participate on a pro rata basis with the other investment companies and clients in its share of the securities transferred under such repurchase agreements and in its share of proceeds from any repurchase or other disposition of such securities.

Investment Income, Gains and Losses, Expenses and Distributions

Investment transactions are accounted for on a trade-date basis. Realized gains and losses from investment transactions are recorded on an identified-cost basis. Interest income and expenses are accrued daily. Distributions to shareholders are recorded on the ex-dividend date. Distributions of net investment income are declared daily and paid monthly.

Premium and Discount Amortization

All premiums and discounts are amortized/accreted using the effective interest rate method.

Federal Taxes

It is the Fund's policy to comply with the Subchapter M provision of the Internal Revenue Code and to distribute to shareholders each year substantially all of its income. Accordingly, no provision for federal income tax is necessary. As of and during the six months ended November 30, 2012, the Fund did not have a liability for any uncertain tax positions. The Fund recognizes interest and penalties, if any, related to tax liabilities as income tax expense in the Statement of Operations. As of November 30, 2012, tax years 2009 through 2012 remain subject to examination by the Fund's major tax jurisdictions, which include the United States of America and the Commonwealth of Massachusetts.

When-Issued and Delayed Delivery Transactions

The Fund may engage in when-issued or delayed delivery transactions. The Fund records when-issued securities on the trade date and maintains security positions such that sufficient liquid assets will be available to make payment for the securities purchased. Securities purchased on a when-issued or delayed delivery basis are marked to market daily and begin earning interest on the settlement date. Losses may occur on these transactions due to changes in market conditions or the failure of counterparties to perform under the contract.

Other

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the amounts of assets, liabilities, expenses and revenues reported in the financial statements. Actual results could differ from those estimated.

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3. SHARES OF BENEFICIAL INTEREST

The following table summarizes share activity:

	Six Months Ended 11/30/2012	Year Ended 5/31/2012
Shares sold	114,111,640	226,540,272
Shares issued to shareholders in payment of distributions declared	23	60

Shares redeemed	(120,127,268)	(216,132,832)
NET CHANGE RESULTING FROM FUND SHARE TRANSACTIONS	(6,015,605)	10,407,500

4. INVESTMENT ADVISER FEE AND OTHER TRANSACTIONS WITH AFFILIATES

Investment Adviser Fee

The advisory agreement between the Fund and the Adviser provides for an annual fee equal to 0.50% of the Fund's average daily net assets. Subject to the terms described in the Expense Limitation note, the Adviser may voluntarily choose to waive any portion of its fee and/or reimburse certain operating expenses of the Fund. For the six months ended November 30, 2012, the Adviser voluntarily waived its entire fee of $190,360 and voluntarily reimbursed $65,988 of other operating expenses.

Administrative Fee

Federated Administrative Services (FAS), under the Administrative Services Agreement, provides the Fund with administrative personnel and services. The fee paid to FAS is based on the average aggregate daily net assets of certain Federated funds as specified below, plus certain out-of-pocket expenses:

Administrative Fee	Average Aggregate Daily Net Assets of the Federated Funds
0.150%	on the first $5 billion
0.125%	on the next $5 billion
0.100%	on the next $10 billion
0.075%	on assets in excess of $20 billion

Prior to September 1, 2012, the administrative fee received during any fiscal year was at least $150,000 per portfolio and $40,000 per each additional class of Shares. Subject to the terms described in the Expense Limitation note, FAS may voluntarily choose to waive any portion of its fee. For the six months ended November 30, 2012, FAS waived $6,110 of its fee. The net fee paid to FAS was 0.122% of average daily net assets of the Fund.

Distribution Services Fee

The Fund has adopted a Distribution Plan (the “Plan”) pursuant to Rule 12b-1 under the Act. Under the terms of the Plan, the Fund will compensate Federated Securities Corp. (FSC), the principal distributor, from the daily net assets of the Fund to finance activities intended to result in the sale of these shares. The Plan provides that the Fund may incur distribution expenses at 0.20% of average daily net assets, annually, to compensate FSC. Subject to the

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terms described in the Expense Limitation note, FSC may voluntarily choose to waive any portion of its fee. For the six months ended November 30, 2012, FSC voluntarily waived its entire fee of $73,479. When FSC receives fees, it may pay some or all of them to financial intermediaries whose customers purchase shares.

Expense Limitation

Due to the possibility of changes in market conditions and other factors, there can be no assurance that the level of waivers/reimbursement/reduction of Fund expenses reflected in the financial highlights will be maintained in the future. However, the Adviser and its affiliates (which may include FSC and FAS) have voluntarily agreed to waive their fees and/or reimburse expenses so that the total annual fund operating expenses (as shown in the financial highlights) paid by the Fund's Cash II Shares (after the voluntary waivers and/or reimbursements) will not exceed 0.83% (the “Fee Limit”), up to but not including the later of (the “Termination Date”): (a) August 1, 2013; or (b) the date of the Fund's next effective Prospectus. While the Adviser and its affiliates currently do not anticipate terminating or increasing this arrangement prior to the Termination Date, this arrangement may only be terminated or the Fee Limit increased prior to the Termination Date with the agreement of the Trustees.

Interfund Transactions

During the six months ended November 30, 2012, the Fund engaged in purchase and sale transactions with funds that have a common investment adviser (or affiliated investment advisers), common Directors/Trustees, and/or common Officers. These purchase and sale transactions complied with Rule 17a-7 under the Act and amounted to $5,000,073 and $0, respectively.

General

Certain Officers and Trustees of the Fund are Officers and Directors or Trustees of the above companies.

5. LINE OF CREDIT

The Fund participates in a $100,000,000 unsecured, uncommitted revolving line of credit (LOC) agreement with PNC Bank. The LOC was made available for extraordinary or emergency purposes, primarily for financing redemption payments. Borrowings are charged interest at a rate offered to the Fund by PNC Bank at the time of the borrowing. As of November 30, 2012, there were no outstanding loans. During the six months ended November 30, 2012, the Fund did not utilize the LOC.

6. INTERFUND LENDING

Pursuant to an Exemptive Order issued by the Securities and Exchange Commission, the Fund, along with other funds advised by subsidiaries of Federated Investors, Inc., may participate in an interfund lending program. This program provides an alternative credit facility allowing the Fund to borrow from other participating affiliated funds. As of November 30, 2012, there were no outstanding loans. During the six months ended November 30, 2012, the program was not utilized.

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Shareholder Expense Example (unaudited)

As a shareholder of the Fund, you incur ongoing costs, including management fees and to the extent applicable, distribution (12b-1) fees and/or shareholder services fees and other Fund expenses. This Example is intended to help you to understand your ongoing costs (in dollars) of investing in the Fund and to compare these costs with the ongoing costs of investing in other mutual funds. It is based on an investment of $1,000 invested at the beginning of the period and held for the entire period from June 1, 2012 to November 30, 2012.

ACTUAL EXPENSES

The first section of the table below provides information about actual account values and actual expenses. You may use the information in this section, together with the amount you invested, to *estimate* the expenses that you incurred over the period. Simply divide your account value by $1,000 (for example, an $8,600 account value divided by $1,000 = 8.6), then multiply the result by the number in the first section under the heading entitled “Expenses Paid During Period” to estimate the expenses attributable to your investment during this period.

HYPOTHETICAL EXAMPLE FOR COMPARISON PURPOSES

The second section of the table below provides information about hypothetical account values and hypothetical expenses based on the Fund's actual expense ratio and an *assumed* rate of return of 5% per year before expenses, which is not the Fund's actual return. Thus, you should *not* use the hypothetical account values and expenses to estimate the actual ending account balance or your expenses for the period. Rather, these figures are required to be provided to enable you to compare the ongoing costs of investing in the Fund with other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only. Therefore, the second section of the table is useful in comparing ongoing costs only, and will not help you determine the relative *total* costs of owning different funds.

	Beginning Account Value 6/1/2012	Ending Account Value 11/30/2012	Expenses Paid During Period[1,2]
Actual	$1,000	$1,000.00	$0.90
Hypothetical (assuming a 5% return before expenses)	$1,000	$1,024.17	$0.91

1 *Expenses are equal to the Fund's annualized net expense ratio of 0.18%, multiplied by the average account value over the period, multiplied by 183/365 (to reflect the one-half-year period).*

2 *Actual and Hypothetical expenses paid during the period utilizing the Fund's current Fee Limit of 0.83% (as reflected in the Notes to Financial Statements, Note 4 under Expense Limitation), multiplied by the average account value over the period, multiplied by 183/365 (to reflect expenses paid as if they had been in effect throughout the most recent one-half-year period) would be $4.16 and $4.20, respectively.*

Evaluation and Approval of Advisory Contract – May 2012

FEDERATED TREASURY CASH SERIES II (THE "FUND")

Following a review and recommendation of approval by the Fund's independent trustees, the Fund's Board reviewed and approved at its May 2012 meetings the Fund's investment advisory contract for an additional one-year term. The Board's decision regarding the contract reflects the exercise of its business judgment on whether to continue the existing arrangements.

In this connection, the Federated Funds' Board had previously appointed a Senior Officer, whose duties include specified responsibilities relating to the process by which advisory fees are to be charged to a Federated fund. The Senior Officer has the authority to retain consultants, experts, or staff as may be reasonably necessary to assist in the performance of his duties, reports directly to the Board, and may be terminated only with the approval of a majority of the independent members of the Board. The Senior Officer prepared and furnished to the Board an independent, written evaluation that covered topics discussed below (the "Evaluation"). The Board considered that Evaluation, along with other information, in deciding to approve the advisory contract.

The Board is also familiar with and considered judicial decisions concerning allegedly excessive investment advisory fees, which have indicated that the following factors may be relevant to an Adviser's fiduciary duty with respect to its receipt of compensation from a fund: the nature and quality of the services provided by the Adviser to a fund and its shareholders, including the performance and expenses of the fund and of comparable funds; the Adviser's cost of providing the services, including the profitability to the Adviser of providing advisory services to a fund; the extent to which the Adviser may realize "economies of scale" as a fund grows larger and, if such economies exist, whether they have been shared with a fund and its shareholders; any "fall-out financial benefits" that accrue to the Adviser because of its relationship with a fund (including research services received from brokers that execute fund trades and any fees paid to affiliates of the Adviser for services rendered to a fund); comparative fee structures, including a comparison of fees paid to the Adviser with those paid by similar funds; and the extent to which the Board members are fully informed about all facts the Board deems relevant to its consideration of the Adviser's services and fees. Consistent with these judicial decisions, the Board also considered management fees (including any components thereof) charged to institutional and other clients of the Adviser for what might be viewed as like services. The Board was aware of these factors and was guided by them in its review of the Fund's advisory contract to the extent it considered them to be appropriate and relevant, as discussed further below.

The Board considered and weighed these circumstances in light of its substantial accumulated experience in governing the Fund and working with Federated on matters relating to the Federated funds, and was assisted in its deliberations by independent legal counsel. Throughout the year, and in connection with its May meetings, the Board requested and received substantial and detailed information about the Fund and the Federated organization that was in addition to the extensive materials that comprise and accompany the Senior Officer's Evaluation. Federated provided much of this information at each regular meeting of the Board, and furnished additional substantial information in connection with the May meeting at which the Board's formal review of the advisory contract occurred. At this May meeting, senior management of the Adviser also met with the independent trustees and their counsel to discuss the materials presented and any other matters thought relevant by the Adviser or the trustees. Between regularly scheduled meetings, the Board also received information on particular matters as the need arose. Thus, the Board's consideration of the advisory contract included review of the Senior Officer's Evaluation, accompanying data and additional information covering such matters as: the Adviser's investment philosophy, revenue, profitability, personnel and processes; investment and operating strategies; the Fund's short- and long-term performance (in absolute terms, both on a gross basis and net of expenses, as well as in relationship to its particular investment program and certain competitor or "peer group" funds and/or other benchmarks, as appropriate), and comments on the reasons for performance; the Fund's investment objectives; the Fund's expenses (including the advisory fee itself and the overall expense structure of the Fund, both in absolute terms and relative to similar and/or competing funds, with due regard for contractual or voluntary expense limitations); the use and allocation of brokerage commissions derived from trading the Fund's portfolio securities (if any); and the nature, quality and extent of the advisory and other services provided to the Fund by the Adviser and its affiliates. The Board also considered the preferences and expectations of Fund shareholders; the entrepreneurial risk assumed by the Adviser in sponsoring the funds; the continuing state of competition in the mutual fund industry and market practices; the range of comparable fees for similar funds in the mutual fund industry; the Fund's relationship to the Federated family of funds which include a comprehensive array of funds with different investment objectives, policies and strategies which are available for exchange without the incurrence of additional sales charges; compliance and audit reports concerning the Federated funds and the Federated companies that service them (including communications from regulatory agencies), as well as Federated's responses to any issues raised therein; and relevant developments in the mutual fund industry and how the Federated funds and/or Federated are responding to them. The Board's evaluation process is evolutionary. The criteria considered and the emphasis placed on relevant criteria change in recognition of changing circumstances in the mutual fund marketplace.

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While mindful that courts have cautioned against giving such comparisons too much weight, the Board has found the use of comparisons of the Fund's fees and expenses to other mutual funds with comparable investment programs to be relevant, given the high degree of competition in the mutual fund business. The Board focused on comparisons with other similar mutual funds more heavily than non-mutual fund products or services because it is believed that they are more relevant. For example, other mutual funds are the products most like the Fund, they are readily available to Fund shareholders as alternative investment vehicles, and they are the type of investment vehicle in fact chosen and maintained by the Fund's investors. The range of their fees and expenses therefore appears to be a generally reliable indication of what consumers have found to be reasonable in the precise marketplace in which the Fund competes. In this regard, the Senior Officer has reviewed Federated's fees for providing advisory services to products outside the Federated family of funds (e.g., institutional and separate accounts). He concluded that mutual funds and institutional accounts are inherently different products. Those differences include, but are not limited to, different types of targeted investors; being subject to different laws and regulations; different legal structures; different average account sizes; different associated costs; different portfolio management techniques made necessary by different cash flows; and portfolio manager time spent in review of securities pricing. The Senior Officer did not consider these fee schedules to be determinative in judging the appropriateness of mutual fund advisory contracts.

The Fund's ability to deliver competitive performance when compared to its peer group was also deemed to be relevant by the Board as a useful indicator of how the Adviser is executing the Fund's investment program, which in turn assisted the Board in reaching a conclusion that the nature, extent, and quality of the Adviser's investment management services were such as to warrant continuation of the advisory contract.

The Senior Officer reviewed information compiled by Federated, using data supplied by independent fund ranking organizations, regarding the performance of, and fees charged by, other mutual funds, noting his view that comparisons to fund peer groups are relevant in judging the reasonableness of proposed fees.

The Fund's performance fell below the median of the relevant peer group for the one-year period covered by the Evaluation. The Board discussed the Fund's performance with the Adviser and recognized the efforts being undertaken by the Adviser. The Board will continue to monitor these efforts and the performance of the Fund.

The Board also received financial information about Federated, including information regarding the compensation and benefits Federated derived from its relationships with the Federated funds. This information covered not only the fees under the advisory contracts, but also fees received by Federated's subsidiaries for providing other services to the Federated funds under separate contracts (e.g., for serving as the Federated funds' administrator). The

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information also detailed any indirect benefit Federated may derive from its receipt of research services from brokers who execute Federated fund trades. In addition, the Board considered the fact that, in order for a fund to be competitive in the marketplace, Federated and its affiliates frequently waived fees and/or reimbursed expenses and have disclosed to fund investors and/or indicated to the Board their intention to do so in the future, where appropriate. Moreover, the Board receives regular reporting as to the institution or elimination of these voluntary waivers.

Federated furnished information, requested by the Senior Officer, that reported revenues on a fund-by-fund basis and made estimates of the allocation of expenses on a fund-by-fund basis, using allocation methodologies specified by the Senior Officer. The Senior Officer noted that, although they may apply consistent allocation processes, the inherent difficulties in allocating costs (and the unavoidable arbitrary aspects of that exercise) and the lack of consensus on how to allocate those costs may render such allocation information unreliable. The allocation information was considered in the analysis by the Board but was determined to be of limited use.

The Board and the Senior Officer also reviewed information compiled by Federated comparing profitability information for Federated to other publicly held fund management companies. In this regard, the Senior Officer noted the limited availability of such information, but nonetheless concluded that Federated's profit margins did not appear to be excessive.

The Senior Officer's Evaluation also discussed the notion of possible realization of “economies of scale” as a fund grows larger. The Board considered in this regard that the Adviser has made significant and long-term investments in areas that support all of the Federated funds, such as personnel and processes for the portfolio management, shareholder services, compliance, internal audit, and risk management functions; and systems technology; and that the benefits of these efforts (as well as any economies, should they exist) were likely to be enjoyed by the fund complex as a whole. Finally, the Board also noted the absence of any applicable regulatory or industry guidelines on this subject, which (as discussed in the Senior Officer's Evaluation) is compounded by the lack of any common industry practice or general pattern with respect to structuring fund advisory fees with “breakpoints” that serve to reduce the fee as the fund attains a certain size. The Senior Officer did not recommend institution of breakpoints in pricing Federated's fund advisory services at this time.

It was noted in the materials for the Board meeting that for the period covered by the Evaluation, the Fund's investment advisory fee was waived in its entirety. The Board reviewed the contractual fee rate and other expenses of the Fund with the Adviser and was satisfied that the overall expense structure of the Fund remained competitive.

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The Senior Officer noted that, considering the totality of the circumstances, and all of the factors referenced within his Evaluation, he had concluded that, subject to comments and recommendations made within his Evaluation, his observations and the information accompanying the Evaluation supported a finding by the Board that the management fees for each of the funds was reasonable and that Federated appeared to provide appropriate advisory and administrative services to the Fund for the fees paid. Under these circumstances, no changes were recommended to, and no objection was raised to, the continuation of the Fund's advisory contract.

In its decision to continue an existing investment advisory contract, the Board was mindful of the potential disruptions of the Fund's operations and various risks, uncertainties and other effects that could occur as a result of a decision to terminate or not renew an advisory contract. In particular, the Board recognized that many shareholders have invested in the Fund on the strength of the Adviser's industry standing and reputation and with the expectation that the Adviser will have a continuing role in providing advisory services to the Fund. Thus, the Board's approval of the advisory contract reflected the fact that it is the shareholders who have effectively selected the Adviser by virtue of having invested in the Fund. The Board concluded that, in light of the factors discussed above, including the nature, quality and scope of the services provided to the Fund by the Adviser and its affiliates, continuation of the advisory contract was appropriate.

The Board based its decision to approve the advisory contract on the totality of the circumstances and relevant factors and with a view to past and future long-term considerations. Not all of the factors and considerations identified above were necessarily relevant to the Fund, nor did the Board consider any one of them to be determinative. With respect to the factors that were relevant, the Board's decision to approve the contract reflects its determination that Federated's performance and actions provided a satisfactory basis to support the decision to continue the existing arrangements.

Voting Proxies on Fund Portfolio Securities

A description of the policies and procedures that the Fund uses to determine how to vote proxies, if any, relating to securities held in the Fund's portfolio is available, without charge and upon request, by calling 1-800-341-7400. A report on " Form N-PX" of how the Fund voted any such proxies during the most recent 12-month period ended June 30 is available from Federated's website at FederatedInvestors.com. To access this information from the home page, select "All" under "Asset Classes." Select a fund name and share class, if applicable, to go to the Fund Overview page. On the Fund Overview page, select the "Documents" tab. At the bottom of that page, select "Proxy Voting Record Report (Form N-PX)." Form N-PX filings are also available at the SEC's website at www.sec.gov.

Quarterly Portfolio Schedule

The Fund files with the SEC a complete schedule of its portfolio holdings, as of the close of the first and third quarters of its fiscal year, on "Form N-Q." These filings are available on the SEC's website at www.sec.gov and may be reviewed and copied at the SEC's Public Reference Room in Washington, DC. (Call 1-800-SEC-0330 for information on the operation of the Public Reference Room.) You may also access this information from the " Products" section of Federated's website at FederatedInvestors.com. From the home page, select "All" under "Asset Classes." Select a fund name and share class, if applicable, to go to the Fund Overview page. On the Fund Overview page, select the "Documents" tab. At the bottom of that page, select "Form N-Q."

Mutual funds are not bank deposits or obligations, are not guaranteed by any bank and are not insured or guaranteed by the U.S. government, the Federal Deposit Insurance Corporation, the Federal Reserve Board or any other government agency. Investment in mutual funds involves investment risk, including the possible loss of principal. Although money market funds seek to maintain a stable net asset value of $1.00 per share, there is no assurance that they will be able to do so.

This Report is authorized for distribution to prospective investors only when preceded or accompanied by the Fund's Prospectus, which contains facts concerning its objective and policies, management fees, expenses and other information.

IMPORTANT NOTICE ABOUT FUND DOCUMENT DELIVERY

In an effort to reduce costs and avoid duplicate mailings, the Fund(s) intend to deliver a single copy of certain documents to each household in which more than one shareholder of the Fund(s) resides (so-called " householding"), as permitted by applicable rules. The Fund's "householding" program covers its/their Prospectus and Statement of Additional Information, and supplements to each, as well as Semi-Annual and Annual Shareholder Reports and any Proxies or information statements. Shareholders must give their written consent to participate in the "householding" program. The Fund is also permitted to treat a shareholder as having given consent ("implied consent") if (i) shareholders with the same last name, or believed to be members of the same family, reside at the same street address or receive mail at the same post office box, (ii) the Fund gives notice of its intent to "household" at least sixty (60) days before it begins "householding" and (iii) none of the shareholders in the household have notified the Fund(s) or their agent of the desire to "opt out" of "householding." Shareholders who have granted written consent, or have been deemed to have granted implied consent, can revoke that consent and opt out of "householding" at any time: shareholders who purchased shares through an intermediary should contact their representative; other shareholders may call the Fund at 1-800-341-7400.

Federated Treasury Cash Series II
Federated Investors Funds
4000 Ericsson Drive
Warrendale, PA 15086-7561

Contact us at **FederatedInvestors.com**
or call 1-800-341-7400.

Federated Securities Corp., Distributor

CUSIP 147552301

1121606 (1/13)

Item 2. Code of Ethics

Not Applicable

Item 3. Audit Committee Financial Expert

Not Applicable

Item 4. Principal Accountant Fees and Services

Not Applicable

Item 5. Audit Committee of Listed Registrants

Not Applicable

Item 6. Schedule of Investments

(a) The registrant's Schedule of Investments is included as part of the Report to Stockholders filed under Item 1 of this form.

(b) Not Applicable; Fund had no divestments during the reporting period covered since the previous Form N-CSR filing.

Item 7. Disclosure of Proxy Voting Policies and Procedures for Closed-End Management Investment Companies

Not Applicable

Item 8. Portfolio Managers of Closed-End Management Investment Companies

Not Applicable

Item 9. Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers

Not Applicable

Item 10. Submission of Matters to a Vote of Security Holders

Not Applicable

Item 11. Controls and Procedures

(a) The registrant's President and Treasurer have concluded that the registrant's disclosure controls and procedures (as defined in rule 30a-3(c) under the Act) are effective in design and operation and are sufficient to form the basis of the certifications required by Rule 30a-(2) under the Act, based on their evaluation of these disclosure controls and procedures within 90 days of the filing date of this report on Form N-CSR.

(b) There were no changes in the registrant's internal control over financial reporting (as defined in rule 30a-3(d) under the Act) during the second fiscal quarter of the period covered by this report that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 12. Exhibits

(a)(1) Code of Ethics- Not Applicable to this Report.

(a)(2) Certifications of Principal Executive Officer and Principal Financial Officer.

(a)(3) Not Applicable.

(b) Certifications pursuant to 18 U.S.C. Section 1350.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Registrant Cash Trust Series II

By /S/ Richard A. Novak

Richard A. Novak, Principal Financial Officer

Date January 22, 2013

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By /S/ J. Christopher Donahue

J. Christopher Donahue, Principal Executive Officer

Date January 22, 2013

By **/S/ Richard A. Novak**

Richard A. Novak, Principal Financial Officer

Date January 22, 2013

N-CSR Item 12(a)(2) - Exhibits: Certifications

I, J. Christopher Donahue, certify that:

1. I have reviewed this report on Form N-CSR of Cash Trust Series II on behalf of: Federated Treasury Cash Series II ("registrant");

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations, changes in net assets, and cash flows (if the financial statements are required to include a statement of cash flows) of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrant and have:

   A. designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   B. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   C. evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report based on such evaluation; and

   D. disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and

5. The registrant's other certifying officers and I have disclosed to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   A. all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize, and report financial information; and

B. any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: January 22, 2013
/S/ J. Christopher Donahue
J. Christopher Donahue, President - Principal Executive Officer

N-CSR Item 12(a)(2) - Exhibits: Certifications

I, Richard A. Novak, certify that:

1. I have reviewed this report on Form N-CSR of Cash Trust Series II on behalf of: Federated Treasury Cash Series II ("registrant");

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations, changes in net assets, and cash flows (if the financial statements are required to include a statement of cash flows) of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officers and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrant and have:

   A. designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   B. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   C. evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report based on such evaluation; and

   D. disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officers and I have disclosed to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   A. all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize, and report financial information; and

   B. any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: January 22, 2013
/S/ Richard A. Novak
Richard A. Novak, Treasurer - Principal Financial Officer

N-CSR Item 12(b) - Exhibits: Certifications

SECTION 906 CERTIFICATION

Pursuant to 18 U.S.C.§ 1350, the undersigned officers of Cash Trust Series II on behalf of Federated Treasury Cash Series II (the “Registrant”), hereby certify, to the best of our knowledge, that the Registrant’s Report on Form N-CSR for the period ended November 30, 2012 (the “Report”) fully complies with the requirements of Section 13(a) or 15(d), as applicable, of the Securities and Exchange Act of 1934 and that the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Registrant.

Dated: January 22, 2013

/s/ J. Christopher Donahue
J. Christopher Donahue
Title: President, Principal Executive Officer

Dated: January 22, 2013

/s/ Richard A. Novak
Richard A. Novak
Title: Treasurer, Principal Financial Officer

This certification is being furnished solely pursuant to 18 U.S.C.§ 1350 and is not being filed as part of the Report or as a separate disclosure document.