BLACKROCK ENHANCED CAPITAL & INCOME FUND, INC.

Form N-Q March 26, 2013

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED

MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-21506

Name of Fund: BlackRock Enhanced Capital and Income Fund, Inc. (CII)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock Enhanced

Capital and Income Fund, Inc., 55 East 52nd Street, New York, NY 10055

Registrant s telephone number, including area code: (800) 882-0052, Option 4

Date of fiscal year end: 10/31/2013

Date of reporting period: 01/31/2013

Item 1 Schedule of Investments

Schedule of Investments January 31, 2013

BlackRock Enhanced Capital and Income Fund, Inc. (CII)

(Unaudited)

(Percentages shown are based on Net Assets)

Common Stocks	Shares	Value
Aerospace & Defense 2.6% Northrop Grumman Corp. Raytheon Co. (a)	133,000 148,200	\$ 8,650,320 7,807,176
		16,457,496
Automobiles 0.7% Ford Motor Co. (a)	348,000	4,506,600
Beverages 1.2% PepsiCo, Inc. (a)	107,100	7,802,235
Capital Markets 1.9% Invesco Ltd.	437,000	11,908,250
Chemicals 4.3% CF Industries Holdings, Inc. (a)	117,500	26,927,475
Commercial Banks 4.0% U.S. Bancorp Wells Fargo & Co. (a)	190,700 540,600	6,312,170 18,829,098
		25,141,268
Computers & Peripherals 2.8% Apple, Inc. (a)	39,600	18,030,276
Diversified Financial Services 4.3% Citigroup, Inc. (a) JPMorgan Chase & Co. (a)	186,330 416,700	7,855,673 19,605,735
		27,461,408
Diversified Telecommunication Services 4.8% AT&T Inc. CenturyLink, Inc. (a)	365,100 444,000	12,701,829 17,959,800
		30,661,629
Electric Utilities 2.9% NextEra Energy, Inc. The Southern Co.	119,900 221,900	8,638,795 9,814,637
		18,453,432
Energy Equipment & Services 3.9% Ensco Plc, Class A (a) Halliburton Co. Noble Corp. (a)	153,000 132,600 240,800	9,726,210 5,394,168 9,752,400

		24,872,778
Food Products 3.7% Archer-Daniels-Midland Co. (a) Unilever NV	223,000 416,100	6,362,190 16,843,728
		23,205,918
Health Care Equipment & Supplies 1.9% Medtronic, Inc.	256,000	11,929,600
Health Care Providers & Services 0.7% Express Scripts Holding Co. (a)(b)	84,000	4,487,280
Household Products 3.6% Kimberly-Clark Corp. The Procter & Gamble Co. (a)	174,900 92,200	15,655,299 6,929,752
		22,585,051
Common Stocks	Shares	Value
Industrial Conglomerates 3.0% General Electric Co. (a)	840,100	\$ 18,717,428
Insurance 4.7% Aflac, Inc. American International Group, Inc. (a)(b) Berkshire Hathaway, Inc., Class B (a)(b) Hartford Financial Services Group, Inc. (a) MetLife, Inc. (a) Prudential Financial, Inc. (a) The Travelers Cos., Inc.	32,200 88,700 50,600 168,700 214,300 49,000 62,500	1,708,532 3,355,521 4,904,658 4,183,760 8,001,962 2,836,120 4,903,750
Internet Software & Services 7.3% Google, Inc., Class A (a)(b) Yahoo!, Inc. (a)(b)	39,900 829,900	29,894,303 30,152,031 16,290,937 46,442,968
IT Services 0.5% Saic, Inc. (a)	265,000	3,206,500
Media 4.8% Comcast Corp., Special Class A (a) Time Warner, Inc. (a) The Walt Disney Co.	289,300 270,100 113,600	10,625,989 13,645,452 6,120,768
Metals & Mining 1.0%	104.700	30,392,209
Freeport-McMoRan Copper & Gold, Inc. (a) Multi-Utilities 2.0%	184,700	6,510,675
Dominion Resources, Inc. Public Service Enterprise Group, Inc.	185,900 88,000	10,059,049 2,743,840
		12,802,889
011 0 0 0 11 F 1 1200		

Oil, Gas & Consumable Fuels 13.0%

Chevron Corp. Exxon Mobil Corp. (a) HollyFrontier Corp. (a) Marathon Oil Corp. (a) Marathon Petroleum Corp. Suncor Energy, Inc.	157,300 176,000 175,700 184,500 85,400 788,800	18,113,095 15,834,720 9,175,054 6,201,045 6,337,534 26,834,976
		82,496,424
Pharmaceuticals 10.1% Eli Lilly & Co. Johnson & Johnson (a) Merck & Co., Inc. Pfizer, Inc. (a)	132,600 182,600 468,800 855,100	7,119,294 13,497,792 20,275,600 23,327,128 64,219,814
Real Estate Investment Trusts (REITs) 1.2% Annaly Capital Management, Inc. (a)	516,300	7,677,381
Semiconductors & Semiconductor Equipment 3.1% QUALCOMM, Inc.	293,900	19,406,217
Specialty Retail 1.0% Limited Brands, Inc.	134,600	6,463,492

Portfolio Abbreviations

To simplify the listings of portfolio holdings in the Schedule of Investments, the names and descriptions of many securities have been abbreviated according to the following list:

ADR American Depositary Receipt USD US Dollar

JANUARY 31, 2013

1

Schedule of Investments (continued)

BlackRock Enhanced Capital and Income Fund, Inc. (CII)

Common Stocks	Shares	Value
Wireless Telecommunication Services 4.3% Vodafone Group Plc - ADR	1,004,000	\$ 27,429,280
Total Long-Term Investments		
(Cost \$582,404,988) 99.3%		630,090,276
Short-Term Securities		
BlackRock Liquidity Funds, TempFund, Institutional Class, 0.10% (c)(d)	19,217,352	19,217,352
Total Short-Term Securities		
(Cost \$19,217,352) 3.0%		19,217,352
		Value
Total Investments Before Options Written		
(Cost \$601,622,340*) 102.3%		\$ 649,307,628
Options Written		
(Premiums Received \$7,205,346) (1.8)%		(11,497,875)
Total Investments Net of Options Written 100.5% Liabilities in Excess of Other Assets (0.5)%		637,809,753 (3,260,907)
Net Assets 100.0%		\$ 634,548,846

Notes to Schedule of Investments

^{*} As of January 31, 2013, gross unrealized appreciation and gross unrealized depreciation based on cost for federal income tax purposes were as follows:

Tax cost \$688,756,342

Gross unrealized appreciation \$ 53,574,781
Gross unrealized depreciation (93,023,495)

Net unrealized depreciation \$ (39,448,714)

⁽d) Investments in issuers considered to be an affiliate of the Trust during the period ended January 31, 2013, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

	Shares		Shares		
	Held at		Held at		
	October 31,		January 31,		Realized
Affiliate	2012	Net Activity	2013	Income	Gain
BlackRock Liquidity Funds, TempFund, Institutional Class	23,189,440	(3,972,088)	19,217,352	\$ 10,848	\$347

Exchange-Traded options written as of January 31, 2013 were as follows:

	Put/	Str	rike	Expiration		Market
Description	Call	Pr	ice	Date	Contracts	Value
Comcast Corp., Special Class A	Call	USD	35.75	2/06/13	560	\$ (57,091)
Ford Motor Co.	Call	USD	14.50	2/16/13	110	(37)
Marathon Oil Corp.	Call	USD	32.75	2/16/13	510	(61,836)
Annaly Capital Management, Inc.	Call	USD	15	2/18/13	1,800	(21,600)
Archer-Daniels-Midland Co.	Call	USD	29	2/18/13	1,225	(43,488)
Berkshire Hathaway, Inc., Class B	Call	USD	95	2/18/13	280	(64,540)
Express Scripts Holding Co.	Call	USD	57.50	2/18/13	460	(4,140)
Freeport-McMoRan Copper & Gold, Inc.	Call	USD	36	2/18/13	1,015	(37,048)
General Electric Co.	Call	USD	22	2/18/13	529	(24,070)
Google, Inc., Class A	Call	USD	730	2/18/13	135	(386,775)
Google, Inc., Class A	Call	USD	735	2/18/13	87	(210,540)
HollyFrontier Corp.	Call	USD	46	2/18/13	965	(607,950)
JPMorgan Chase & Co.	Call	USD	44	2/18/13	1,305	(411,075)
The Limited, Inc.	Call	USD	45	2/18/13	250	(80,000)
Noble Corp.	Call	USD	40	2/18/13	660	(83,820)
Noble Corp.	Call	USD	41	2/18/13	660	(53,460)
PepsiCo, Inc.	Call	USD	72.50	2/18/13	235	(24,322)
The Procter & Gamble Co.	Call	USD	70	2/18/13	507	(263,640)
Prudential Financial, Inc.	Call	USD	60	2/18/13	170	(9,350)

⁽a) All or a portion of security has been pledged/segregated as collateral in connection with outstanding options written.

⁽b) Non-income producing security.

⁽c) Represents the current yield as of report date.

JANUARY 31, 2013

Schedule of Investments (continued)

BlackRock Enhanced Capital and Income Fund, Inc. (CII)

Exchange-Traded options written as of January 31, 2013 were as follows: (concluded)

		Str	ike			
	Put/			Expiration		Market
Description	Call	Pri	ice	Date	Contracts	Value
Raytheon Co.	Call	USD	57.50	2/18/13	815	\$ (2,445)
Yahoo!, Inc.	Call	USD	20	2/18/13	2,715	(57,015)
Citigroup, Inc.	Call	USD	43	2/22/13	200	(11,000)
Ford Motor Co.	Call	USD	14.50	2/22/13	1,915	(6,702)
Saic, Inc.	Call	USD	12.25	3/16/13	1,325	(26,719)
American International Group, Inc.	Call	USD	38	3/18/13	440	(53,460)
Annaly Capital Management, Inc.	Call	USD	15	3/18/13	500	(12,250)
Apple, Inc.	Call	USD	465	3/18/13	198	(210,375)
CenturyLink, Inc.	Call	USD	41	3/18/13	700	(26,250)
CF Industries Holdings, Inc.	Call	USD	225	3/18/13	705	(764,925)
Citigroup, Inc.	Call	USD	42	3/18/13	1,025	(158,875)
Comcast Corp., Special Class A	Call	USD	39	3/18/13	1,030	(23,175)
Ensco Plc, Class A	Call	USD	62.50	3/18/13	840	(222,600)
Hartford Financial Services Group, Inc.	Call	USD	26	3/18/13	500	(25,750)
JPMorgan Chase & Co.	Call	USD	47	3/18/13	470	(60,395)
The Limited, Inc.	Call	USD	49	3/18/13	490	(58,800)
Marathon Oil Corp.	Call	USD	34	3/18/13	505	(42,925)
MetLife, Inc.	Call	USD	36	3/18/13	222	(44,067)
MetLife, Inc.	Call	USD	38	3/18/13	955	(84,518)
Prudential Financial, Inc.	Call	USD	60	3/18/13	153	(14,152)
Wells Fargo & Co.	Call	USD	35	3/18/13	2,640	(182,160)
General Electric Co.	Call	USD	22.05	3/22/13	690	(37,778)
Johnson & Johnson	Call	USD	73	3/25/13	540	(80,472)
Exxon Mobil Corp.	Call	USD	90.90	3/26/13	650	(92,239)
Time Warner, Inc.	Call	USD	50.60	3/26/13	1,070	(152,595)
PepsiCo, Inc.	Call	USD	73.40	4/02/13	355	(32,239)
Pfizer, Inc.	Call	USD	27.85	4/04/13	955	(31,840)
MetLife, Inc.	Call	USD	38	4/22/13	237	(31,876)

Total \$ (4,992,379)

Over-the-counter options written as of January 31, 2013 were as follows:

	Strike						
Description	Counterparty	Put/ Call	Pr	ice	Expiration Date	Contracts	Market Value
AT&T Inc.	Morgan Stanley & Co., Inc.	Call	USD	34.08	2/04/13	100,500	\$ (71,355)
JPMorgan Chase & Co.	Goldman Sachs & Co.	Call	USD	41.65	2/04/13	25,000	(135,000)
NextEra Energy, Inc.	Morgan Stanley & Co., Inc.	Call	USD	68.26	2/04/13	42,500	(161,075)
Pfizer, Inc.	Morgan Stanley & Co., Inc.	Call	USD	24.35	2/04/13	192,500	(564,025)
Unilever NV	Citigroup Global Markets, Inc.	Call	USD	36.79	2/04/13	64,000	(235,904)
Yahoo!, Inc.	Deutsche Bank Securities Corp.	Call	USD	19.17	2/05/13	185,000	(94,325)
U.S. Bancorp	Morgan Stanley & Co., Inc.	Call	USD	32.05	2/07/13	125,900	(133,456)
Exxon Mobil Corp.	Credit Suisse First Boston	Call	USD	89.95	2/08/13	32,000	(26,252)
Halliburton Co.	Banc of America Securities	Call	USD	34.73	2/08/13	72,900	(433,755)

Merck & Co., Inc.	Morgan Stanley & Co., Inc.	Call	USD	44.84	2/08/13	54,500	(1,566)
Public Service Enterprise Group, Inc.	Credit Suisse First Boston	Call	USD	30.61	2/08/13	48,000	(27,211)
AT&T Inc.	Morgan Stanley & Co., Inc.	Call	USD	34.08	2/11/13	100,500	(81,607)
CenturyLink, Inc.	UBS Securities LLC	Call	USD	38.66	2/11/13	106,700	(190,993)
Hartford Financial Services Group, Inc.	Citigroup Global Markets, Inc.	Call	USD	23.87	2/11/13	63,800	(73,452)
JPMorgan Chase & Co.	Goldman Sachs & Co.	Call	USD	41.65	2/11/13	25,000	(135,000)
JPMorgan Chase & Co.	Morgan Stanley & Co., Inc.	Call	USD	43.46	2/11/13	47,600	(170,884)
Vodafone Group Plc - ADR	Morgan Stanley & Co., Inc.	Call	USD	26.24	2/11/13	120,100	(129,708)

JANUARY 31, 2013

3

Schedule of Investments (continued)

BlackRock Enhanced Capital and Income Fund, Inc. (CII)

Over-the-counter options written as of January 31, 2013 were as follows: (concluded)

			Str	ike			
5	9	Put/	_		Expiration	~	Market
Description	Counterparty	Call	Pr	ice	Date	Contracts	Value
Dominion Resources, Inc.	Credit Suisse First Boston	Call	USD	54.21	2/22/13	52,000	\$ (26,994)
Wells Fargo & Co.	Citigroup Global Markets, Inc.	Call	USD	34.90	2/22/13	93,000	(38,441)
CenturyLink, Inc.	Citigroup Global Markets, Inc.	Call	USD	39.94	2/25/13	69,200	(57,598)
General Electric Co.	Morgan Stanley & Co., Inc.	Call	USD	21.25	2/25/13	340,000	(370,718)
Unilever NV	Goldman Sachs & Co.	Call	USD	38.51	2/25/13	37,000	(72,890)
The Walt Disney Co.	Credit Suisse First Boston	Call	USD	49.86	2/25/13	62,500	(265,308)
Eli Lilly & Co.	Credit Suisse First Boston	Call	USD	53.34	2/28/13	73,000	(78,337)
Unilever NV	Goldman Sachs & Co.	Call	USD	38.89	3/04/13	37,000	(58,830)
Unilever NV	UBS Securities LLC	Call	USD	38.66	3/04/13	91,000	(165,620)
Aflac, Inc.	Credit Suisse First Boston	Call	USD	53.94	3/05/13	21,200	(21,179)
Merck & Co., Inc.	Goldman Sachs & Co.	Call	USD	42.51	3/07/13	203,500	(266,862)
NextEra Energy, Inc.	Goldman Sachs & Co.	Call	USD	71.36	3/07/13	23,500	(33,022)
Time Warner, Inc.	Morgan Stanley & Co., Inc.	Call	USD	49.49	3/07/13	41,300	(82,597)
Dominion Resources, Inc.	Morgan Stanley & Co., Inc.	Call	USD	52.86	3/08/13	50,200	(80,396)
Kimberly-Clark Corp.	Citigroup Global Markets, Inc.	Call	USD	86.51	3/08/13	69,200	(225,977)
Chevron Corp.	Morgan Stanley & Co., Inc.	Call	USD	116.35	3/11/13	86,500	(154,281)
Vodafone Group Plc - ADR	Citigroup Global Markets, Inc.	Call	USD	26.11	3/11/13	211,000	(265,875)
QUALCOMM, Inc.	Morgan Stanley & Co., Inc.	Call	USD	65.96	3/14/13	161,700	(276,484)
Southern Co.	Goldman Sachs & Co.	Call	USD	43.76	3/14/13	61,000	(47,670)
The Travelers Cos., Inc.	Morgan Stanley & Co., Inc.	Call	USD	76.76	3/14/13	41,300	(92,719)
Invesco Ltd.	Deutsche Bank Securities Corp.	Call	USD	28.13	3/21/13	48,800	(10,982)
Marathon Petroleum Corp.	Morgan Stanley & Co., Inc.	Call	USD	68.25	3/25/13	47,000	(314,929)
Medtronic, Inc.	Credit Suisse First Boston	Call	USD	46.26	3/25/13	141,000	(206,880)
Northrop Grumman Corp.	Morgan Stanley & Co., Inc.	Call	USD	68.78	3/25/13	73,000	(23,391)
Suncor Energy, Inc.	Citigroup Global Markets, Inc.	Call	USD	34.74	3/26/13	203,500	(171,318)
Pfizer, Inc.	Credit Suisse First Boston	Call	USD	27.27	3/27/13	182,200	(99,381)
Kimberly-Clark Corp.	Credit Suisse First Boston	Call	USD	87.08	4/01/13	26,900	(78,310)
Invesco Ltd.	Goldman Sachs & Co.	Call	USD	28.46	4/02/13	239,500	(74,110)
Southern Co.	Jefferies & Co., Inc.	Call	USD	44.25	4/02/13	610	(38,303)
Suncor Energy, Inc.	Morgan Stanley & Co., Inc.	Call	USD	34.78	4/05/13	112,000	(103,684)
Johnson & Johnson	Morgan Stanley & Co., Inc.	Call	USD	74.94	4/11/13	46,400	(36,842)

Total \$ (6,505,496)

For Trust compliance purposes, the Trust sindustry classifications refer to any one or more of the industry sub-classifications used by one or more widely recognized market indexes or ratings group indexes, and/or as defined by Trust management. These definitions may not apply for purposes of this report, which may combine industry sub-classifications for reporting ease.

Fair Value Measurements Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs to valuation techniques are categorized into a disclosure hierarchy consisting of three broad levels for financial reporting purposes as follows:

Level 1 - unadjusted price quotations in active markets/exchanges for identical assets and liabilities that the Trust has the ability to access

Level 2 - other observable inputs (including, but not limited to, quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 - unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Trust s own assumptions used in determining the fair value of investments and derivative financial instruments)

The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). Accordingly, the degree of judgment exercised in determining fair value is greatest for instruments categorized in Level 3. The inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, for disclosure purposes, the level in the fair value hierarchy within which the fair value measurement falls in its entirety is determined based on the lowest level input that is significant to the fair value measurement in its entirety.

4 JANUARY 31, 2013

Schedule of Investments (concluded)

BlackRock Enhanced Capital and Income Fund, Inc. (CII)

Changes in valuation techniques may result in transfers into or out of an assigned level within the disclosure hierarchy. In accordance with the Trust spolicy, transfers between different levels of the fair value disclosure hierarchy are deemed to have occurred as of the beginning of the reporting period. The categorization of a value determined for investments and derivative financial instruments is based on the pricing transparency of the investment and derivative financial instrument and is not necessarily an indication of the risks associated with investing in those securities. For information about the Trust spolicy regarding valuation of investments and derivative financial instruments and other significant accounting policies, please refer to the Trust s most recent financial statements as contained in its annual report

The following tables summarize the Trust s investments and derivative financial instruments categorized in the disclosure hierarchy as of January 31, 2013:

Total
30,090,276
19,217,352
49,307,628

¹ See above Schedule of Investments for values in each industry.

	Level 1	Level 2	Level 3	Total
Derivative Financial Instruments ²				
Liabilities:				
Equity contracts	\$ (4,419,533)	\$ (7,078,342)		\$ (11,497,875)
Total	\$ (4,419,533)	\$ (7,078,342)		\$ (11,497,875)

 $^{^{\}rm 2}$ Derivative financial instruments are options written, which are shown at value.

Certain of the Trust s assets and liabilities are held at carrying amount, which approximates fair value for financial reporting purposes. As of January 31, 2013, such assets and liabilities are categorized within the disclosure hierarchy as follows:

	Level 1	Level 2	Level 3	Total
Assets:				
Foreign currency at value	\$ 5,684			\$ 5,684
Cash pledged as collateral for options written	1,300,000			1,300,000
Liabilities:				
Bank overdraft		\$ (2,509)		(2,509)
Total	\$ 1,305,684	\$ (2,509)		\$ 1,300,666
TTI				

There were no transfers between levels during the period ended January 31, 2013.

JANUARY 31, 2013

Item 2 Controls and Procedures

- 2(a) The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the 1940 Act)) are effective as of a date within 90 days of the filing of this report based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rule 13a-15(b) under the Securities Exchange Act of 1934, as amended.
- 2(b) There were no changes in the registrant s internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act) that occurred during the registrant s last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant s internal control over financial reporting.

Item 3 Exhibits

Certifications Attached hereto

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.

BlackRock Enhanced Capital and Income Fund, Inc.

By: /s/ John M. Perlowski
 John M. Perlowski
 Chief Executive Officer (principal executive officer) of
 BlackRock Enhanced Capital and Income Fund, Inc.
Date: March 26, 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/ John M. Perlowski
John M. Perlowski
Chief Executive Officer (principal executive officer) of
BlackRock Enhanced Capital and Income Fund, Inc.

Date: March 26, 2013

By: /s/ Neal J. Andrews
Neal J. Andrews
Chief Financial Officer (principal financial officer) of
BlackRock Enhanced Capital and Income Fund, Inc.

Date: March 26, 2013