

JOHN HANCOCK PREFERRED INCOME FUND II
Form N-Q
December 27, 2013

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-Q

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT
INVESTMENT COMPANIES**

Investment Company Act file number 811-21202

John Hancock Preferred Income Fund II
(Exact name of registrant as specified in charter)

601 Congress Street, Boston, Massachusetts 02210
(Address of principal executive offices) (Zip code)

Salvatore Schiavone, Treasurer

601 Congress Street

Boston, Massachusetts 02210

(Name and address of agent for service)

Registrant's telephone number, including area code: 617-663-4497

Date of fiscal year end: July 31

Date of reporting period: October 31, 2013

ITEM 1. SCHEDULE OF INVESTMENTS

John Hancock Preferred Income Fund II
As of 10-31-13 (Unaudited)

Shares

Value

Preferred Securities (a) 148.1% (94.4% of Total Investments) \$615,363,567

(Cost \$635,012,121)

Consumer Discretionary 0.1% 506,475

Media 0.1%

| | | |
|-----------------------|--------|---------|
| Comcast Corp., 5.000% | 22,500 | 506,475 |
|-----------------------|--------|---------|

Consumer Staples 3.4% 14,230,000

Food & Staples Retailing 3.4%

| | | |
|---|---------|------------|
| Ocean Spray Cranberries, Inc., Series A, 6.250% (S) | 160,000 | 14,230,000 |
|---|---------|------------|

Financials 94.3% 391,710,399

Capital Markets 8.7%

| | | |
|--|---------|------------|
| Morgan Stanley Capital Trust III, 6.250% (Z) | 272,000 | 6,585,120 |
| Morgan Stanley Capital Trust IV, 6.250% (Z) | 155,000 | 3,757,200 |
| Morgan Stanley Capital Trust V, 5.750% (Z) | 290,000 | 6,852,700 |
| Morgan Stanley Capital Trust VII, 6.600% | 52,400 | 1,289,564 |
| State Street Corp., 5.250% | 65,000 | 1,418,950 |
| The Goldman Sachs Group, Inc., 6.125% (Z) | 657,000 | 16,201,620 |

Commercial Banks 22.5%

| | | |
|--|---------|-----------|
| Barclays Bank PLC, Series 3, 7.100% | 345,000 | 8,694,000 |
| Barclays Bank PLC, Series 5, 8.125% (Z) | 330,000 | 8,418,300 |
| BB&T Corp., 5.200% | 320,000 | 6,464,000 |
| BB&T Corp., 5.625% (Z) | 392,500 | 8,321,000 |
| HSBC USA, Inc., 6.500% (Z) | 50,000 | 1,225,000 |
| PNC Financial Services Group, Inc., 5.375% | 70,000 | 1,479,800 |
| PNC Financial Services Group, Inc. (6.125% to 05/01/22, then 3 month LIBOR + 4.067%) | 145,000 | 3,680,100 |
| Royal Bank of Scotland Group PLC, Series L, 5.750% (Z) | 480,000 | 9,600,000 |
| Santander Finance Preferred SA Unipersonal, Series 10, 10.500% (Z) | 329,000 | 8,833,650 |
| U.S. Bancorp (6.000% to 04/15/17, then 3 month LIBOR + 4.861%) | | |

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| | | |
|--|---------|------------|
| (Z) | 200,000 | 5,434,000 |
| U.S. Bancorp (6.500% to 01/15/22, then 3 month LIBOR + 4.468%) | | |
| (Z) | 570,000 | 15,287,400 |
| Wells Fargo & Company, 8.000% (Z) | 560,000 | 15,926,400 |
| Consumer Finance 5.8% | | |
| HSBC Finance Corp., Depository Shares, Series B, 6.360% (Z) | 725,000 | 17,494,250 |
| SLM Corp., 6.000% (Z) | 177,500 | 3,565,975 |
| SLM Corp., Series A, 6.970% | 64,000 | 3,009,920 |
| Diversified Financial Services 23.5% | | |
| Deutsche Bank Capital Funding Trust X, 7.350% | 155,722 | 3,942,881 |
| Deutsche Bank Contingent Capital Trust II, 6.550% | 167,500 | 4,197,550 |
| Deutsche Bank Contingent Capital Trust III, 7.600% (Z) | 392,500 | 10,420,875 |
| General Electric Capital Corp., 4.700% (Z) | 390,000 | 7,862,400 |
| ING Groep NV, 7.050% (Z) | 775,700 | 19,376,986 |
| JPMorgan Chase Capital XXIX, 6.700% (Z) | 802,500 | 20,624,250 |
| Merrill Lynch Preferred Capital Trust III, 7.000% | 335,000 | 8,445,350 |
| Merrill Lynch Preferred Capital Trust IV, 7.120% | 180,000 | 4,537,800 |
| Merrill Lynch Preferred Capital Trust V, 7.280% | 250,000 | 6,322,500 |
| RBS Capital Funding Trust V, 5.900% | 398,000 | 8,600,780 |
| RBS Capital Funding Trust VII, 6.080% | 145,000 | 3,175,500 |

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John Hancock Preferred Income Fund II

As of 10-31-13 (Unaudited)

| | Shares | Value |
|--|---------|--------------|
| Financials (continued) | | |
| Insurance 16.6% | | |
| Aegon NV, 6.375% (Z) | 420,000 | \$10,210,200 |
| Aegon NV, 6.500% | 205,000 | 4,971,250 |
| American Financial Group, Inc., 7.000% (Z) | 282,056 | 7,305,250 |
| MetLife, Inc., Series B, 6.500% (Z) | 807,000 | 20,062,020 |
| Phoenix Companies, Inc., 7.450% | 216,500 | 4,940,530 |

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| | | |
|--|---------|------------|
| Prudential Financial, Inc., 5.750% | 145,000 | 3,265,400 |
| Prudential PLC, 6.500% (Z) | 103,000 | 2,575,000 |
| RenaissanceRe Holdings, Ltd., Series C, 6.080% | 16,250 | 376,025 |
| W.R. Berkley Corp., 5.625% | 730,000 | 15,184,000 |

Real Estate Investment Trusts 17.1%

| | | |
|--|---------|------------|
| Duke Realty Corp., Depositary Shares, Series J, 6.625% (Z) | 449,400 | 11,010,300 |
| Duke Realty Corp., Depositary Shares, Series K, 6.500% (Z) | 110,000 | 2,613,600 |
| Duke Realty Corp., Depositary Shares, Series L, 6.600% (Z) | 109,840 | 2,628,471 |
| Kimco Realty Corp., 6.000% (Z) | 720,000 | 15,631,200 |
| Public Storage, Inc., 5.200% | 255,000 | 5,196,900 |
| Public Storage, Inc., 5.750% | 335,000 | 7,323,100 |
| Public Storage, Inc., 6.350% (Z) | 170,000 | 4,153,100 |
| Public Storage, Inc., Depositary Shares, Series Q, 6.500% | 119,800 | 2,957,862 |
| Public Storage, Inc., Series P, 6.500% | 56,000 | 1,409,520 |
| Senior Housing Properties Trust, 5.625% (Z) | 460,000 | 9,144,800 |
| Ventas Realty LP, 5.450% | 210,000 | 4,746,000 |
| Wachovia Preferred Funding Corp., Series A, 7.250% (Z) | 170,000 | 4,426,800 |

Thriffs & Mortgage Finance 0.1%

| | | |
|---|--------|---------|
| Federal National Mortgage Association, Series S, 8.250% (I) | 75,000 | 533,250 |
|---|--------|---------|

Industrials 1.3%

5,376,000

Machinery 1.3%

| | | |
|--|---------|-----------|
| Stanley Black & Decker, Inc., 5.750% (Z) | 240,000 | 5,376,000 |
|--|---------|-----------|

Telecommunication Services 12.7%

52,753,316

Diversified Telecommunication Services 5.0%

| | | |
|-------------------------|---------|------------|
| Qwest Corp., 6.125% | 30,000 | 633,000 |
| Qwest Corp., 7.000% | 60,000 | 1,482,600 |
| Qwest Corp., 7.375% (Z) | 567,500 | 14,215,875 |
| Qwest Corp., 7.500% | 172,500 | 4,350,450 |

Wireless Telecommunication Services 7.7%

| | | |
|--|---------|-----------|
| Telephone & Data Systems, Inc., 6.625% (Z) | 161,300 | 3,930,881 |
| Telephone & Data Systems, Inc., 6.875% | 85,000 | 2,083,350 |
| Telephone & Data Systems, Inc., 7.000% (Z) | 283,000 | 7,038,210 |

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| | | |
|--|---------|--------------------|
| United States Cellular Corp., 6.950% (Z) | 772,500 | 19,018,950 |
| Utilities 36.3% | | 150,787,377 |

Electric Utilities 25.3%

| | | |
|---|---------|------------|
| Baltimore Gas & Electric Company, Series 1995, 6.990% (Z) | 39,870 | 4,030,610 |
| Duke Energy Corp., 5.125% | 695,000 | 14,810,450 |
| Duquesne Light Company, 6.500% | 98,450 | 4,922,500 |
| Entergy Arkansas, Inc., 5.750% (Z) | 66,400 | 1,597,584 |
| Entergy Louisiana LLC, 5.250% | 220,000 | 4,648,600 |
| Entergy Louisiana LLC, 5.875% (Z) | 186,750 | 4,556,700 |
| Entergy Louisiana LLC, 6.000% (Z) | 186,438 | 4,552,816 |

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John Hancock Preferred Income Fund II
As of 10-31-13 (Unaudited)

| | Shares | Value |
|---|---------|-------------|
| Utilities (continued) | | |
| Entergy Mississippi, Inc., 6.000% | 187,025 | \$4,533,486 |
| Entergy Mississippi, Inc., 6.200% | 103,294 | 2,576,152 |
| Entergy Texas, Inc., 7.875% | 37,400 | 991,474 |
| FPL Group Capital Trust I, 5.875% (Z) | 267,800 | 6,590,558 |
| Gulf Power Company, 5.750% (Z) | 146,000 | 3,639,780 |
| HECO Capital Trust III, 6.500% (Z) | 187,750 | 4,834,563 |
| Interstate Power & Light Company, 5.100% | 25,000 | 541,000 |
| NextEra Energy Capital Holdings, Inc., 5.125% | 75,000 | 1,465,500 |
| NextEra Energy Capital Holdings, Inc., 5.700% (Z) | 640,000 | 13,830,400 |
| NSTAR Electric Company, 4.780% | 15,143 | 1,470,291 |
| PPL Capital Funding, Inc., 5.900% (Z) | 775,000 | 16,678,000 |
| SCE Trust I, 5.625% | 70,000 | 1,492,400 |
| SCE Trust II, 5.100% (Z) | 380,000 | 7,539,200 |
| Multi-Utilities 11.0% | | |
| BGE Capital Trust II, 6.200% (Z) | 510,000 | 12,393,000 |

| | |
|--------------------|------------------|
| Energy 2.3% | 9,547,750 |
|--------------------|------------------|

Oil, Gas & Consumable Fuels 2.3%

| | | | | |
|---|-------|----------|------------|-----------|
| Energy Transfer Partners LP (P) (S) (Z) | 3.259 | 11/01/66 | 10,550,000 | 9,547,750 |
|---|-------|----------|------------|-----------|

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John Hancock Preferred Income Fund II

As of 10-31-13 (Unaudited)

| | Rate (%) | Maturity date | Par value | | Value |
|-----------------------|----------|------------------|-----------|--|--------------------|
| Utilities 2.0% | | | | | \$8,360,000 |

Electric Utilities 2.0%

| | | | | | |
|---|-------|----------|-------------|--|-----------|
| Southern California Edison Company (6.250% to 02/01/2022, then 3 month LIBOR + 4.199%) (Q) (Z) | 6.250 | 02/01/22 | \$8,000,000 | | 8,360,000 |
|---|-------|----------|-------------|--|-----------|

| | | |
|--|------------------|--------------|
| | Par value | Value |
|--|------------------|--------------|

| | |
|--|------------------|
| Short-Term Investments 0.2% (0.1% of Total Investments) | \$876,000 |
|--|------------------|

(Cost \$876,000)

| | |
|----------------------------------|----------------|
| Repurchase Agreement 0.2% | 876,000 |
|----------------------------------|----------------|

| | | |
|---|---------|---------|
| Repurchase Agreement with State Street Corp. dated 10-31-13 at 0.000% to be repurchased at \$876,000 on 11-1-13, collateralized by \$900,000 U.S. Treasury Notes, 1.000% due 5-31-18 (valued at \$896,625, including interest) | 876,000 | 876,000 |
|---|---------|---------|

| | |
|---|----------------------|
| Total investments (Cost \$672,888,801)† 156.9% | \$652,074,220 |
|---|----------------------|

| | |
|--|------------------------|
| Other assets and liabilities, net (56.9%) | (\$236,443,266) |
|--|------------------------|

| | |
|--------------------------------|----------------------|
| Total net assets 100.0% | \$415,630,954 |
|--------------------------------|----------------------|

The percentage shown for each investment category is the total value of that category as a percentage of the net assets of the fund.

LIBOR London Interbank Offered Rate

(a) Includes preferred stocks and hybrid securities with characteristics of both equity and debt that pay dividends on a periodic basis.

(b) Includes hybrid securities with characteristics of both equity and debt that trade with, and pay, interest income.

(I) Non-income producing security.

(P) Variable rate obligation. The coupon rate shown represents the rate at period end.

(Q) Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.

(S) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.

(Z) All or a portion of this security is pledged as collateral pursuant to the Credit Facility Agreement. Total collateral value at 10-31-13 was \$389,885,437.

† At 10-31-13, the aggregate cost of investment securities for federal income tax purposes was \$672,991,296.

Net unrealized depreciation aggregated \$20,917,076, of which \$16,250,933 related to appreciated investment securities and \$37,168,009 related to depreciated investment securities.

The fund had the following country concentration as a percentage of total investments on 10-31-13:

| | |
|----------------|--------|
| United States | 88.7% |
| Netherlands | 5.3% |
| United Kingdom | 4.5% |
| Spain | 1.4% |
| Bermuda | 0.1% |
| | <hr/> |
| Total | 100.0% |

John Hancock Preferred Income Fund II

As of 10-31-13 (Unaudited)

Security valuation. Investments are stated at value as of the close of regular trading on the New York Stock Exchange (NYSE), normally at 4:00 P.M., Eastern Time. In order to value the securities, the fund uses the following valuation techniques: Equity securities held by the fund are valued at the last sale price or official closing price on the principal securities exchange on which they trade. In the event there were no sales during the day or closing prices are not available, the securities are valued using the last quoted bid or evaluated price. Debt obligations are

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valued based on the evaluated prices provided by an independent pricing service, which utilizes both dealer-supplied and electronic data processing techniques, taking into account factors such as institutional-size trading in similar groups of securities, yield, quality, coupon rate, maturity, type of issue, trading characteristics and other market data. Swaps are marked-to-market daily based upon values from third party vendors, which may include a registered commodities exchange, or broker quotations. Foreign securities and currencies are valued in U.S. dollars, based on foreign currency exchange rates supplied by an independent pricing service. Certain securities traded only in the over-the-counter (OTC) market are valued at the last bid price quoted by brokers making markets in the securities at the close of trading. Certain short-term securities with maturities of 60 days or less at the time of the purchase are valued at amortized cost. Other portfolio securities and assets, for which reliable market quotations are not readily available, are valued at fair value as determined in good faith by the fund's Pricing Committee following procedures established by the Board of Trustees. The frequency with which these fair valuation procedures are used cannot be predicted and fair value of securities may differ significantly from the value that would have been used had a ready market for such securities existed.

The fund uses a three-tier hierarchy to prioritize the pricing assumptions, referred to as inputs, used in valuation techniques to measure fair value. Level 1 includes securities valued using quoted prices in active markets for identical securities. Level 2 includes securities valued using other significant observable inputs. Observable inputs may include quoted prices for similar securities, interest rates, prepayment speeds and credit risk. Prices for securities valued using these inputs are received from independent pricing vendors and brokers and are based on an evaluation of the inputs described. Level 3 includes securities valued using significant unobservable inputs when market prices are not readily available or reliable, including the fund's own assumptions in determining the fair value of investments. Factors used in determining value may include market or issuer specific events or trends, changes in interest rates and credit quality. The inputs or methodology used for valuing securities are not necessarily an indication of the risks associated with investing in those securities. Changes in valuation techniques may result in transfers into or out of an assigned level within the disclosure hierarchy.

The following is a summary of the values by input classification of the fund's investments as of October 31, 2013, by major security category or type:

| | Total Market Value at 10-31-13 | Level 1 Quoted Price | Level 2 Significant Observable Inputs | Level 3 Significant Unobservable Inputs |
|-------------------------------------|---|---------------------------------|--|--|
| Preferred Securities | | | | |
| Consumer Discretionary | \$506,475 | \$506,475 | — | — |
| Consumer Staples | 14,230,000 | — | \$14,230,000 | — |
| Financials | 391,710,399 | 391,710,399 | — | — |
| Industrials | 5,376,000 | 5,376,000 | — | — |
| Telecommunication Services | 52,753,316 | 52,753,316 | — | — |
| Utilities | 150,787,377 | 145,286,476 | 5,500,901 | — |
| Common Stocks | | | | |
| Energy | 8,040,308 | 8,040,308 | — | — |
| Utilities | 4,847,360 | 4,847,360 | — | — |
| Capital Preferred Securities | | | | |
| Utilities | 5,039,235 | — | 5,039,235 | — |
| Corporate Bonds | | | | |
| Energy | 9,547,750 | — | 9,547,750 | — |
| Utilities | 8,360,000 | — | 8,360,000 | — |
| Short-Term Investments | 876,000 | — | 876,000 | — |

| | | | | |
|--|----------------------|----------------------|---------------------|---|
| Total Investments in Securities | \$652,074,220 | \$608,520,334 | \$43,553,886 | — |
| Other Financial Instruments | | | | |
| Interest Rate Swaps | (\$1,455,272) | — | (\$1,455,272) | — |

Repurchase agreements. The fund may enter into repurchase agreements. When the fund enters into a repurchase agreement, it receives collateral that is held in a segregated account by the fund's custodian. The collateral amount is marked-to-market and monitored on a daily basis to ensure that the collateral held is in an amount not less than the principal amount of the repurchase agreement plus any accrued interest.

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Repurchase agreements are typically governed by the terms and conditions of the Master Repurchase Agreement and/or Global Master Repurchase Agreement (collectively, MRA). Upon an event of default, the non-defaulting party may close out all transactions traded under the MRA and net amounts owed. Absent an event of default, the MRA does not result in an offset of the net amounts owed. In the event of a default by the counterparty, realization of the collateral proceeds could be delayed, during which time the collateral value may decline or the counterparty may have insufficient assets to pay back claims resulting from close-out of the transactions. Collateral received by the portfolio for repurchase agreements is disclosed in the Portfolio of investments as part of the caption related to the repurchase agreement.

Real estate investment trusts. The fund may invest in real estate investment trusts (REITs). Distributions from REITs may be recorded as income and subsequently characterized by the REIT at the end of the fiscal year as a reduction of cost of investments and/or as a realized gain. As a result, the fund will estimate the components of distributions from these securities. Such estimates are revised when the actual components of the distributions are known.

Derivative Instruments. The fund may invest in derivatives in order to meet its investment objectives. Derivatives include a variety of different instruments that may be traded in the OTC market, on a regulated exchange or through a clearing facility. The risks in using derivatives vary depending upon the structure of the instruments, including the use of leverage, optionality, the liquidity or lack of liquidity of the contract, the creditworthiness of the counterparty or clearing organization and the volatility of the position. Some derivatives involve risks that are potentially greater than the risks associated with investing directly in the referenced securities or other referenced underlying instrument. Specifically, the fund is exposed to the risk that the counterparty to an OTC derivatives contract will be unable or unwilling to make timely settlement payments or otherwise honor its obligations. OTC derivatives transactions typically can only be closed out with the other party to the transaction.

Interest rate swaps. Interest rate swaps represent an agreement between the fund and a counterparty to exchange cash flows based on the difference between two interest rates applied to a notional amount. The payment flows are usually netted against each other, with the difference being paid by one party to the other. The fund settles accrued net interest receivable or payable under the swap contracts at specified, future intervals.

During the period ended October 31, 2013, the fund used interest rate swaps in anticipation of rising interest rates. The following table summarizes the interest rate swap contracts held as of October 31, 2013.

| Counterparty | USD Notional Amount | Payments Made by Fund | Payments Received by Fund | Maturity Date | Market Value |
|---------------------------------|----------------------------|------------------------------|----------------------------------|----------------------|---------------------|
| Morgan Stanley Capital Services | \$56,000,000 | Fixed 1.4625% | 3 Month LIBOR (a) | Aug 2016 | (\$1,458,136) |

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| | | | | | |
|---------------------------------|----------------------|---------------|-------------------|----------|----------------------|
| Morgan Stanley Capital Services | 56,000,000 | Fixed 0.8750% | 3 Month LIBOR (a) | Jul 2017 | 2,864 |
| | \$112,000,000 | | | | (\$1,455,272) |

(a) At 10-31-13, the 3-month LIBOR rate was 0.2420%.

For additional information on the funds significant accounting policies, please refer to the funds' most recent semiannual or annual shareholder report.

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ITEM 2. CONTROLS AND PROCEDURES.

(a) Based upon their evaluation of the registrant's disclosure controls and procedures as conducted within 90 days of the filing date of this Form N-Q, the registrant's principal executive officer and principal accounting officer have concluded that those disclosure controls and procedures provide reasonable assurance that the material information required to be disclosed by the registrant on this report is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms.

(b) There were no changes in the registrant's internal control over financial reporting that occurred during the registrant's last fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

ITEM 3. EXHIBITS.

Separate certifications for the registrant's principal executive officer and principal accounting officer, as required by Rule 30a-2(a) under the Investment Company Act of 1940, are attached.

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.

John Hancock Preferred Income Fund II

By: /s/ Hugh McHaffie

Hugh McHaffie

President

Date: December 20, 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/ Hugh McHaffie

Hugh McHaffie

President

Date: December 20, 2013

By: /s/ Charles A. Rizzo

Charles A. Rizzo

Chief Financial Officer

Date: December 20, 2013