

JOHN HANCOCK PREFERRED INCOME FUND II
Form N-CSR
September 23, 2016

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

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT 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: July 31, 2016

ITEM 1. REPORTS TO STOCKHOLDERS.

John Hancock

Preferred Income Fund II

Ticker: HPF

Annual report 7/31/16

A message to shareholders

Dear shareholder,

The past 12 months marked a volatile stretch for equity investors. Major U.S. equity indexes endured two corrections declines of 10% or more during the past year, but recovered quickly both times. The rally that began in 2009 has remained intact, and the S&P 500 Index and Dow Jones Industrial Average both went on to hit new all-time highs in July. One might expect this kind of environment to be accompanied by a sense of optimism, but the tone among investors has not been upbeat. The U.K.'s vote in late June to leave the European Union (Brexit) has added uncertainty to the outlook for the global economy, and it remains to be seen whether other countries seek to follow suit. Against this backdrop of heightened uncertainty, yields fell dramatically as investors dialed down risk. Our network of asset managers and investment partners expects that the European Central Bank and the Bank of England will likely expand their efforts to stimulate economic activity, which should help support both equity and fixed-income markets.

As this dynamic plays out, it is prudent to expect continued market volatility. At John Hancock Investments, portfolio risk management is a critical part of our role as an asset manager and our dedicated risk team is focused on these issues every day. Whether the markets are up or down, one of your best resources is your financial advisor, who can help ensure your portfolio is sufficiently diversified to meet your long-term objectives and to withstand the inevitable bumps along the way.

On behalf of everyone at John Hancock Investments, I'd like to take this opportunity to thank you for the continued trust you've placed in us.

Sincerely,

Andrew G. Arnott
President and Chief Executive Officer
John Hancock Investments

The S&P 500 Index tracks the performance of 500 of the largest publicly traded companies in the United States. It is not possible to invest directly in an index. Diversification does not guarantee a profit or eliminate the risk of a loss.

This commentary reflects the CEO's views as of July 31, 2016. They are subject to change at any time. Diversification does not guarantee investment returns and does not eliminate risk of loss. All investments entail risks, including the possible loss of principal. For more up-to-date information, you can visit our website at jhinvestments.com.

John Hancock
Preferred Income Fund II

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Your fund at a glance

INVESTMENT OBJECTIVE

The fund seeks to provide a high level of current income consistent with preservation of capital. The fund's secondary investment objective is to provide growth of capital to the extent consistent with its primary objective.

AVERAGE ANNUAL TOTAL RETURNS AS OF 7/31/16 (%)

The Bank of America Merrill Lynch Hybrid Preferred Securities Index is a subset of the Bank of America Merrill Lynch Fixed Rate Preferred Securities Index, including all subordinated securities with a payment deferral feature. The Bank of America Merrill Lynch Fixed Rate Preferred Securities Index tracks the performance of fixed-rate U.S. dollar-denominated preferred securities issued in the U.S. domestic market. Qualifying securities must have an investment-grade rating and must have an investment-grade-rated country of risk.

It is not possible to invest directly in an index. Index figures do not reflect expenses or sales charges, which would result in lower returns.

The fund's most recent performance and current annualized distribution rate can be found at jhinvestments.com. The fund's performance at net asset value (NAV) is different from the fund's performance at closing market price because the closing market price is subject to the dynamics of secondary market trading. If a shareholder purchases shares at a time when the market price is at a premium to the NAV or sells shares at a time when the market price is at a discount to the NAV, the shareholder may sustain losses.

The performance data contained within this material represents past performance, which does not guarantee future results.

PERFORMANCE HIGHLIGHTS OVER THE LAST TWELVE MONTHS

Preferred securities generated impressive gains

Low and falling U.S. Treasury yields helped stoke demand for comparatively high-yielding preferred securities.

Energy-related holdings performed well

Pipeline company holdings benefited from a rebound in oil prices, as well as from investors' growing demand for certain energy companies whose earnings and profitability were less dependent on commodity prices.

Holdings in two banks were among the biggest detractors

Owning Deutsche Bank AG hurt as European banks struggled, while some U.S. Bancorp securities disappointed.

PORTFOLIO COMPOSITION AS OF 7/31/16 (%)

A note about risks

As is the case with all closed-end funds, shares of this fund may trade at a discount or a premium to the fund's net asset value (NAV). In addition to the impact of market movements, if a shareholder purchases shares at a time when the market price is at a premium to the NAV or sells shares at a time when the market price is at a discount to the NAV, the shareholder may sustain losses. An investment in the fund is subject to investment and market risks, including the possible loss of the entire principal invested. There is no guarantee prior distribution levels will be maintained, and distributions may include a substantial tax return of capital. Fixed-income investments are subject to interest-rate risk; their value will normally decline as interest rates rise or if a creditor, grantor, or counterparty is unable or unwilling to make principal, interest, or settlement payments. An issuer of securities held by the fund may default, have its credit rating downgraded, or otherwise perform poorly, which may affect fund performance. Liquidity the extent (if at all) to which a security may be sold or a derivative position closed without negatively affecting its market value may be impaired by reduced trading volume, heightened volatility, rising interest rates, and other market conditions. The fund's use of leverage creates additional risks, including greater volatility of the fund's NAV, market price, and returns. There is no assurance that the fund's leverage strategy will be successful. Focusing on a particular industry or sector may increase the fund's volatility and make it more susceptible to market, economic, and regulatory risks as well as other factors affecting those industries or sectors.

The fund normally will invest at least 25% of its total assets in the industries composing the utilities sector, which includes telecommunications companies, measured at the time of purchase. When the fund's investments focus on one or more sectors of the economy, they are far less diversified than the broad securities markets. This means that the fund may be more volatile than other funds, and the values of its investments may go up and down more rapidly. Because utility companies are capital intensive, they can be hurt by higher interest rates, which would increase the companies' interest burden. They can also be affected by costs in connection with capital construction programs, costs associated with environmental and other regulations, and the effects of economic declines, surplus capacity, and increased competition. In addition, the fund may invest in financial services companies, which can be hurt by economic declines, changes in interest rates, and regulatory and market impacts. The fund's investments in securities of foreign issuers involve special risks, such as political, economic, and currency risks and differences in accounting standards and financial reporting.

Discussion of fund performance

An interview with Portfolio Manager Gregory K. Phelps, John Hancock Asset Management a division of Manulife Asset Management (US) LLC

Gregory K. Phelps

Portfolio Manager

John Hancock Asset Management

What was the market environment like for preferred securities during the 12 months ended July 31, 2016?

Preferred securities which are traditionally viewed as a more attractive investment during times of economic uncertainty, heightened financial market volatility, and low interest rates generated impressive gains. The period got off to a rather weak start, with many preferreds coming under pressure in response to expectations that U.S. interest rates were poised to rise. But despite a quarter-point rate hike by the U.S. Federal Reserve (Fed) in December 2015, long-term U.S. Treasury rates fell in the first seven months of 2016, making higher income-producing investments relatively more attractive to many investors. As compensation for their higher risk, preferred securities tend to pay more than comparable U.S. Treasury securities. Fears of a recession and accompanying equity market volatility have flared so far this year, further stoking demand for preferreds.

Preferreds were also helped by muted new issuance, as most issuers refrained from bringing new preferred securities to the marketplace. With common stock dividend cuts accelerating, there was growing demand for preferred dividends. Among the major types of preferred securities, utility preferreds benefited from these trends; many energy preferreds also enjoyed a rebound from their extremely poor performance in 2015. Bargain-seeking investors looked to the energy sector with expectations that revenue and earnings could rebound as oil prices moved higher. Many financial preferreds rallied somewhat toward the end of the period alongside stronger economic data, helping to offset the battering they suffered in early 2016 amid concerns about the global economy.

What's your view on preferred securities?

Given their strong gains over recent months, preferred securities ended the period less attractively valued than they were at the beginning of 2016. Now that many preferreds have approached or reached what we view as their full value, we think their upside may be limited over the short term.

That said, we believe preferreds can hold on to recent gains for the balance of 2016. Granted, late-period data suggested that U.S. economic conditions may be firming and we believe the Fed would like to begin raising rates in a bid to normalize monetary policy; however, we think the U.S. central bank will proceed very cautiously, given that global financial markets are likely to remain on edge with the U.K.'s decision to exit the European Union (Brexit). That vote could lead to further fragmentation of the European Union and put additional pressure on what we believe to be the Continent's already weak economy. In our view, preferreds should be able to weather a couple of small and gradual increases in the federal funds rate.

Against that backdrop, we foresee continued firm demand for preferreds. Low long-term U.S. Treasury yields make the comparatively high yields offered by preferreds more attractive to income-seeking investors. Additionally, we feel that uncertainty surrounding the upcoming U.S. presidential election may further stimulate demand for haven assets such as preferreds.

What holdings contributed to performance?

Some of the fund's energy-related investments were among its best performers. Energy pipeline companies Spectra Energy Corp. and Kinder Morgan, Inc. performed quite well as the price of oil rebounded from depressed lows in 2015.

Utility holdings were another source of good performance. Duke Energy Corp. and PPL Capital Funding, Inc. were two of the portfolio's standouts. They benefited primarily from strong demand for utility preferreds, as well as from a limited supply of such securities.

Among financials, commercial insurance holding company W.R. Berkley Corp. fared comparatively

SECTOR COMPOSITION AS OF 7/31/16 (%)

well, fueled partly by speculation that the company would be acquired by a higher-rated company, but no deal had been announced by the close of the period. JPMorgan Chase & Co. was another success story for the fund, boosted by investors' enthusiasm over the company's financial results and its decision to raise its common stock dividend. The holding's comparatively high dividend contributed to its total return as well.

What hurt the fund's performance?

Detracting from the fund's results were holdings related to Deutsche Bank AG (Deutsche Bank Contingent Capital Trust). Interest rates in some European countries fell or went negative during the past year, eroding bank earnings on the Continent and in the United Kingdom. Concerns about nonperforming loans also weighed on the holdings. Other disappointments included holdings that underperformed mainly due to their structure. For example, a separate holding in U.S. Bancorp underperformed when demand for this security was tempered by uncertainty surrounding whether the security would be called (or redeemed) by its issuer in early 2017 or whether it would move from a higher fixed-rate structure to a lower-rate floating-rate structure. That said, the fund's holdings in U.S. Bancorp securities with longer call dates generally performed quite well.

Were there any significant changes to the portfolio?

In early 2016, certain of the fund's holdings in Merrill Lynch Preferred Capital Trust were called by the issuer, and, more recently, some holdings in Royal Bank of Scotland Group plc also were called. We used the proceeds from those transactions primarily to purchase energy-related holdings. Initially, we added to positions in higher-yielding energy pipeline companies, including Spectra and Kinder Morgan. We felt that pipeline company securities had become attractively valued,

TOP 10 ISSUERS AS OF 7/31/16 (%)

Kinder Morgan, Inc.	4.1
PPL Capital Funding, Inc.	3.9
Entergy	3.7
JPMorgan Chase & Co.	3.5
Morgan Stanley	3.4
Qwest Corp.	3.2
U.S. Bancorp	3.2
Wells Fargo & Company	3.2
BB&T Corp.	2.9
ING Groep NV	2.8
TOTAL	33.9

As a percentage of total investments.

Cash and cash equivalents are not included.

overcorrecting in response to declining oil prices. Our view was that despite the drop in oil prices, there would still be a growing need for pipelines and storage facilities. That view was rewarded, and pipeline companies reported stable-to-better profitability and earnings, with some companies actually raising their dividends. We also identified some opportunities among non-U.S.-based, fully integrated energy companies Royal Dutch Shell PLC and BP PLC. We believed these securities had become attractively valued relative to their U.S. counterparts and had been unfairly punished amid worries about the weak European economy and the potential for more weakness in the wake of the Brexit vote.

MANAGED BY

Gregory K. Phelps

On the fund since inception

Investing since 1981

Joseph H. Bozoyan, CFA

On the fund since 2015

Investing since 1993

QUALITY COMPOSITION AS OF 7/31/16 (%)

The views expressed in this report are exclusively those of Gregory K. Phelps, John Hancock Asset Management, and are subject to change. They are not meant as investment advice. Please note that the holdings discussed in this report may not have been held by the fund for the entire period. Portfolio composition is subject to review in accordance with the fund's investment strategy and may vary in the future. Current and future portfolio holdings are subject to risk.

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Fund's investments

As of 7-31-16

	Shares	Value
Preferred securities (a)		
135.6% (90.6% of		\$650,707,968
Total investments)		
(Cost \$603,592,708)		
Consumer staples 3.0%	14,360,000	
Food and staples retailing 3.0%		
Ocean		
Spray		
Cranberries,	160,000	14,360,000
Inc.,		
Series A,		
6.250% (S)		
Energy 6.3%		30,219,162
Oil, gas and consumable fuels 6.3%		
Anadarko		
Petroleum	14,000	532,560
Corp.,		
7.500%		
Kinder		
Morgan,	608,332	29,686,602
Inc.,		
9.750%		
Financials 71.9%		344,883,342
Banks 35.2%		
Bank		
of		
America	180,000	4,921,200
Corp.,		
6.500%		
Bank		
of		
America	20,000	551,600
Corp.,		
6.625%		
Barclays		
Bank	365,000	9,387,800
PLC,		
Series 3, 7.100%		
Barclays	340,000	8,887,600
Bank		

PLC, Series 5, 8.125%		
BB&T Corp., 5.200% (Z)	330,000	8,801,100
BB&T Corp., 5.625% (Z)	450,000	11,844,000
Citigroup Capital XIII, 7.122% (P) (Z)	55,000	1,440,450
Citigroup, Inc., 5.800%	10,000	263,600
Citigroup, Inc., 6.875% (Z)	60,000	1,655,400
Citigroup, Inc. (6.875% to 11-15-23, then 3 month LIBOR + 4.130%)	242,253	7,211,872
Citigroup, Inc. (7.125% to 9-30-23, then 3 month LIBOR + 4.040%)	155,000	4,662,400
ING Groep NV, 7.050%	770,000	20,328,000
JPMorgan Chase & Co., 5.450% (Z)	60,000	1,551,000
	77,661	2,010,643

JPMorgan Chase & Co., 5.500%		
JPMorgan Chase & Co., 6.100% (Z)	276,500	7,495,915
JPMorgan Chase & Co., 6.125% (Z)	501,419	13,588,455
JPMorgan Chase & Co., 6.300%	30,000	822,300
Royal Bank of Scotland Group PLC, Series L, 5.750%	465,000	11,648,250
The PNC Financial Services Group, Inc., 5.375%	70,000	1,822,100
The PNC Financial Services Group, Inc. (6.125% to 5-1-22, then 3 month LIBOR + 4.067%)	145,000	4,396,400
U.S. Bancorp	200,000	5,206,000

(6.000%
to
4-15-17,
then
3
month
LIBOR
+
4.861%) (Z)
U.S.
Bancorp
(6.500%
to
1-15-22,
then 570,000 17,481,900
3
month
LIBOR
+
4.468%) (Z)
Wells
Fargo
& 250,000 6,830,000
Company,
6.000% (Z)
Wells
Fargo
& 565,000 15,961,250
Company,
8.000% (Z)
Capital markets 11.6%
Deutsche
Bank
Contingent
Capital 173,000 4,345,760
Trust
II,
6.550%
Deutsche
Bank
Contingent
Capital
Trust 460,000 11,817,400
III,
7.600%
(L) (Z)
Morgan
Stanley, 175,000 4,795,000
6.625% (Z)

SEE NOTES TO FINANCIAL STATEMENTS

	Shares	Value
Financials (continued)		
Capital markets (continued)		
Morgan Stanley (6.375% to 10-15-24, then 3 month LIBOR + 3.708%)	70,000	\$1,960,700
Morgan Stanley Capital Trust III, 6.250%	272,000	6,884,320
Morgan Stanley Capital Trust IV, 6.250%	155,000	3,906,000
Morgan Stanley Capital Trust V, 5.750%	285,000	7,156,350
State Street Corp., 5.250% (Z)	45,000	1,183,950
State Street Corp., 6.000% (Z)	445,000	12,477,800
The Goldman Sachs Group, Inc., 5.950%	40,000	1,034,800
Consumer finance 3.1%		
Capital One Financial	234,250	6,437,190

Corp., 6.200% Capital One Financial	52,925	1,516,301
Corp., 6.700% Navient Corp., 6.000% SLM Corp., Series A, 6.970% Insurance 9.9% Aegon NV, 6.375% (Z) Aegon NV, 6.500% (Z) Prudential Financial, Inc., 5.750% (Z) Prudential PLC, 6.500% (Z) The Phoenix Companies, Inc., 7.450% W.R. Berkley Corp., 5.625% (Z) Real estate investment trusts 12.0% Digital Realty Trust, Inc., 7.375% Kimco Realty Corp., 6.000% (Z) Public Storage, 5.200% (Z) Public Storage,	177,500 64,000 430,000 220,000 160,000 103,000 216,500 740,000 25,592 725,000 255,000 340,000	3,967,125 3,200,000 11,141,300 5,838,800 4,291,200 2,767,610 4,243,400 19,092,000 731,931 18,857,250 6,652,950 8,925,000

5.750% (Z)		
Senior Housing Properties Trust,	667,000	17,115,220
5.625% (Z)		
Ventas Realty LP,	200,000	5,450,000
5.450%		
Thrifts and mortgage finance		0.1%
Federal National Mortgage Association, Series S,	75,000	324,750
8.250% (I)		
Health care 3.1%		14,918,400
Pharmaceuticals 3.1%		
Teva Pharmaceutical Industries, Ltd.,	16,800	14,918,400
7.000%		
Industrials 2.0%		9,760,600
Machinery 2.0%		
Stanley Black & Decker, Inc.,	370,000	9,760,600
5.750% (Z)		
Telecommunication services 13.0%		62,210,890
Diversified telecommunication services 5.9%		
Qwest Corp.,	30,000	771,900
6.125%		
Qwest Corp.,	65,000	1,736,800
6.875%		
Qwest Corp.,	60,000	1,567,800
7.000%		
Qwest Corp.,	567,500	14,675,550
7.375% (Z)		

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	Shares	Value
Telecommunication services (continued)		
Diversified telecommunication services (continued)		
Qwest Corp.,	172,500	\$4,421,175
7.500%		
Verizon Communications Inc.,	185,000	5,170,750
5.900% (Z)		
Wireless telecommunication services 7.1%		
Telephone & Data Systems, Inc.,	161,300	4,330,905
6.625% (Z)		
Telephone & Data Systems, Inc.,	85,000	2,213,400
6.875% (Z)		
Telephone & Data Systems, Inc.,	283,000	7,222,160
7.000%		
United States Cellular Corp.,	772,500	20,100,450
6.950% (Z)		
Utilities 36.3%		174,355,574
Electric utilities 27.9%		
Duke Energy Corp.,	720,000	19,080,000
5.125% (Z)		
Entergy Arkansas, Inc.,	66,400	1,711,128
5.750% (Z)		
Entergy Arkansas, Inc.,	100,000	2,705,000

6.450%		
Entergy		
Louisiana	220,000	5,691,400
LLC,		
5.250%		
Entergy		
Louisiana	186,750	4,805,078
LLC,		
5.875% (Z)		
Entergy		
Louisiana	146,665	3,779,557
LLC,		
6.000% (Z)		
Entergy		
Mississippi,	186,500	4,789,320
Inc.,		
6.000% (Z)		
Entergy		
Mississippi,	103,294	2,732,126
Inc.,		
6.200%		
FPL		
Group		
Capital		
Trust	255,000	6,813,600
I,		
5.875% (Z)		
HECO		
Capital		
Trust	187,750	5,061,740
III,		
6.500% (Z)		
Interstate		
Power		
&		
Light	154,600	4,274,690
Company,		
5.100% (Z)		
NextEra		
Energy		
Capital		
Holdings,	80,000	2,079,200
Inc.,		
5.125%		
NextEra		
Energy		
Capital		
Holdings,	665,000	17,522,750
Inc.,		
5.700% (Z)		
	15,143	1,544,586

NSTAR Electric Company, 4.780% PPL Capital Funding, Inc., 5.900% (Z)	1,050,000	28,108,500
SCE Trust I, 5.625% SCE Trust II, 5.100% (Z)	105,000	2,762,550
SCE Trust III (5.750% to 3-15-24, then 3 month LIBOR + 2.990%) The Southern Company, 6.250% (Z)	426,000	11,212,320
Multi-utilities 8.4%	20,000	605,400
BGE Capital Trust II, 6.200% (Z)	310,000	8,680,000
DTE Energy Company, 5.250% (Z)	539,000	14,234,990
DTE Energy Company, 6.500% (Z)	415,420	10,717,836
Integrys Holding, Inc. (6.000%	355,000	9,265,500
	225,372	6,178,303

to
 8-1-23,
 then
 3
 month
 LIBOR
 +
 3.220%) (Z)
 Common stocks 8.4%
 (5.6% of Total \$40,305,189
 investments)
 (Cost \$37,193,335)
 Energy 7.9% 37,673,989
 Oil, gas and consumable fuels 7.9%
 BP
 PLC, 344,000 11,833,600
 ADR
 Royal
 Dutch
 Shell
 PLC, 318,019 16,470,204
 ADR,
 Class
 A
 Spectra
 Energy 260,500 9,370,185
 Corp. (Z)

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	Shares	Value
Utilities 0.5%		\$2,631,200
Multi-utilities 0.5%		
CenterPoint Energy, Inc. (Z)	110,000	2,631,200
Rate (%)	Maturity date	Par value^
Capital preferred securities (b) 1.3% (0.9% of Total investments)		\$6,439,630
(Cost \$5,574,000)		
Utilities 1.3%		6,439,630
Multi-utilities 1.3%		
Dominion Resources		
Capital 1.400	01-15-31	5,000,000
Trust III		6,439,630
Corporate bonds 2.4% (1.6% of Total investments)		\$11,634,000
(Cost \$13,516,000)		
Energy 1.5%		7,174,000
Oil, gas and consumable fuels 1.5%		
Energy Transfer Partners LP (P)		
3.654	11-01-66	10,550,000
Utilities 0.9%		4,460,000
Electric utilities 0.9%		
Southern California Edison Company (6.250% to 2-1-2022)	02-01-22	4,000,000
then 3 month LIBOR + 4.199% (Q) (Z)		
Yield* (%)	Maturity date	Par value^
Short-term investments 1.9% (1.3% of Total investments)		\$9,002,000
(Cost \$9,002,000)		
U.S. Government Agency 1.3%		6,189,000
Federal Home Loan Bank	08-01-16	6,189,000

Discount Note Repurchase agreement 0.6%		2,813,000
Repurchase Agreement with State Street Corp. dated 7-29-16 at 0.030% to be repurchased at \$2,813,007 on 8-1-16, collateralized by \$2,845,000 Federal National Mortgage Association, 1.985% due 9-29-21 (valued at \$2,869,894, including interest)	2,813,000	2,813,000
Total investments (Cost \$668,878,043)		\$718,088,787
149.6%		
Other assets and liabilities, net (49.6%)		(\$238,191,065)
Total net assets 100.0%		\$479,897,722

SEE NOTES TO FINANCIAL STATEMENTS

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

^All par values are denominated in U.S. dollars unless otherwise indicated.

Key to Security

Abbreviations and

Legend

- | | |
|-------|---|
| ADR | American
Depository
Receipts
London |
| LIBOR | Interbank
Offered Rate
Includes
preferred
stocks and
hybrid
securities with
characteristics
of both equity
and debt that
pay dividends
on a periodic
basis.
Includes
hybrid
securities with
characteristics
of both equity
and debt that
trade with, and
pay, interest
income. |
| (I) | Non-income
producing
security. |
| (L) | A portion of
this security is
on loan as of
7-31-16, and is
a component |

- of the fund's leverage under the Credit Facility Agreement. The value of securities on loan amounted to \$8,428,889. Variable rate obligation.
- (P) 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. 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.
- (S) All or a portion of this security is pledged as collateral pursuant to the Credit Facility Agreement. Total collateral value at
- (Z)

7-31-16 was
\$384,229,145.

Yield
represents
either the
annualized
yield at the
date of

* purchase, the
stated coupon
rate or, for
floating rate
securities, the
rate at period
end.

At 7-31-16,
the aggregate
cost of
investment
securities for
federal income
tax purposes
was

\$669,022,322.

Net unrealized
appreciation
aggregated to
\$49,066,465,
of which
\$54,388,648
related to
appreciated
investment
securities and
\$5,322,183
related to
depreciated
investment
securities.

SEE NOTES TO FINANCIAL STATEMENTS

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Financial statements

STATEMENT OF ASSETS AND LIABILITIES 7-31-16

Assets	
Investments, at value (Cost \$668,878,043)	\$718,088,787
Cash	336
Cash held at broker for futures contracts	702,000
Cash segregated at custodian for derivative contracts	370,000
Dividends and interest receivable	1,864,854
Other receivables and prepaid expenses	33,322
Total assets	721,059,299
Liabilities	
Credit facility agreement payable	238,000,000
Payable for investments purchased	2,377,619
Swap contracts, at value	361,799
Payable for futures variation margin	251,875
Interest payable	31,689
Payable to affiliates	
Accounting and legal services fees	35,424
Trustees' fees	391
Other liabilities and accrued expenses	102,780
Total liabilities	241,161,577
Net assets	\$479,897,722
Net assets consist of	
Paid-in capital	\$493,234,825
Accumulated net realized gain (loss) on investments, futures contracts and swap agreements	(60,322,829)
Net unrealized appreciation (depreciation) on investments, futures contracts and swap agreements	46,985,726
Net assets	\$479,897,722
Net asset value per share	
Based on 21,251,288 shares of beneficial interest outstanding unlimited number of shares authorized with no par value	\$22.58

SEE NOTES TO FINANCIAL STATEMENTS

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STATEMENT OF OPERATIONS For the year ended 7-31-16

Investment income	
Dividends	\$41,048,885
Interest	1,155,736
Less foreign taxes withheld	(64,437)
Total investment income	42,140,184
Expenses	
Investment management fees	5,229,672
Accounting and legal services fees	141,553
Transfer agent fees	31,757
Trustees' fees	47,061
Printing and postage	176,366
Professional fees	56,862
Custodian fees	55,790
Stock exchange listing fees	23,765
Interest expense	2,554,082
Other	15,761
Total expenses	8,332,669
Less expense reductions	(51,454)
Net expenses	8,281,215
Net investment income	33,858,969
Realized and unrealized gain (loss)	
Net realized gain (loss) on	
Investments	1,451,161
Futures contracts	(700,800)
Swap contracts	(824,585)
	(74,224)
Change in net unrealized appreciation (depreciation) of	
Investments	24,319,854
Futures contracts	(1,778,765)
Swap contracts	531,983
	23,073,072
Net realized and unrealized gain	22,998,848
Increase in net assets from operations	\$56,857,817

SEE NOTES TO FINANCIAL STATEMENTS

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STATEMENTS OF CHANGES IN NET ASSETS

	Year ended 7-31-16	Year ended 7-31-15
Increase (decrease) in net assets		
From operations		
Net investment income	\$33,858,969	\$34,791,048
Net realized loss	(74,224)	(4,374,168)
Change in net unrealized appreciation (depreciation)	23,073,072	11,843,900
Increase in net assets resulting from operations	56,857,817	42,260,780
Distributions to shareholders		
From net investment income	(32,536,721)	(34,447,728)
From tax return of capital	(3,161,748)	(1,250,406)
Total distributions	(35,698,469)	(35,698,134)
From fund share transactions		
Issued pursuant to Dividend Reinvestment Plan	53,977	
Total increase	21,213,325	6,562,646
Net assets		
Beginning of year	458,684,397	452,121,751
End of year	\$479,897,722	\$458,684,397
Share activity		
Shares outstanding		
Beginning of year	21,248,889	21,248,889
Issued pursuant to Dividend Reinvestment Plan	2,399	
End of year	21,251,288	21,248,889

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STATEMENT OF CASH FLOWS For the year ended 7-31-16

Cash flows from operating activities	
Net increase in net assets from operations	\$56,857,817
Adjustments to reconcile net increase in net assets from operations to net cash provided by operating activities:	
Long-term investments purchased	(93,920,182)
Long-term investments sold	102,380,202
Increase in short term investments	(6,656,000)
Net amortization of premium (discount)	9,225
Increase in dividends and interest receivable	(435,453)
Decrease in cash segregated at custodian for derivative contracts	650,000
Increase in other receivables and prepaid expenses	(139)
Increase in payable for investments purchased	2,252,594
Decrease in unrealized depreciation of swap contracts	(531,983)
Decrease in payable for futures variation margin	(56,875)
Increase in payable to affiliates	27,155
Increase in interest payable	19,896
Decrease in other liabilities and accrued expenses	(3,061)
Net change in unrealized (appreciation) depreciation on investments	(24,319,854)
Net realized gain on investments	(1,451,161)
Proceeds received as tax return of capital	822,267
Net cash provided by operating activities	\$35,644,448
Cash flows from financing activities	
Distributions to shareholders	(\$35,644,492)
Net cash used in financing activities	(\$35,644,492)
Net decrease in cash	(\$44)
Cash at beginning of period	\$380
Cash at end of period	\$336
Supplemental disclosure of cash flow information	
Cash paid for interest	\$2,534,186
Noncash financing activities not included herein consists of reinvestment distributions	\$53,977

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Financial highlights

COMMON SHARES					
Period Ended	7-31-16	7-31-15	7-31-14	7-31-13	7-31-12
Per share operating performance					
Net asset value, beginning of period	\$21.59	\$21.28	\$20.43	\$21.97	\$20.70
Net investment income ¹	1.59	1.64	1.64	1.71	1.75
Net realized and unrealized gain (loss) on investments	1.08	0.35	0.89	(1.57)	1.20
Total from investment operations	2.67	1.99	2.53	0.14	2.95
Less distributions to common shareholders					
From net investment income	(1.53)	(1.62)	(1.68)	(1.68)	(1.68)
From tax return of capital	(0.15)	(0.06)			
Total distributions	(1.68)	(1.68)	(1.68)	(1.68)	(1.68)
Net asset value, end of period	\$22.58	\$21.59	\$21.28	\$20.43	\$21.97
Per share market value, end of period	\$22.68	\$19.51	\$20.15	\$20.05	\$22.74
Total return at net asset value (%)^{2,3}	13.47	10.08	13.52	0.41	15.02
Total return at market value (%)²	26.12	5.06	9.53	(4.79)	22.92

Ratios and supplemental data

Net assets applicable to common shares, end of period (in millions)

	\$480	\$459	\$452	\$434	\$466
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Ratios (as a percentage of average net assets):

Expenses before reductions

	1.81	1.70	1.77	1.69	1.75
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Expenses including reductions⁴

	1.80	1.69	1.77	1.69	1.75
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Net investment income

	7.37	7.56	8.16	7.83	8.45
--	------	------	------	------	------

Portfolio turnover (%)

	14	13	8	21	19
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Senior securities

Total debt outstanding end of period (in millions)

	\$238	\$238	\$238	\$238	\$231
--	-------	-------	-------	-------	-------

Asset coverage per \$1,000 of debt⁵

	\$3,016	\$2,927	\$2,900	\$2,824	\$3,018
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Based on average

1 daily shares outstanding.

2 Total return based on net asset value reflects changes in the fund's net asset value during each period. Total return based on market value reflects changes in market value. Each figure assumes that distributions from income, capital gains and tax return of

capital, if any, were reinvested. These figures will differ depending upon the level of any discount from or premium to net asset value at which the fund's shares traded during the period.

3 Total returns would have been lower had certain expenses not been reduced during the applicable periods.

Expenses excluding interest expense were 1.24%, 1.23%, 1.28%, 4 1.23% and 1.25% for the years ended 7-31-16, 7-31-15, 7-31-14, 7-31-13 and 7-31-12, respectively.

Asset coverage equals the total net assets plus borrowings divided by the borrowings of the fund outstanding at period end (Note 7). As debt 5 outstanding changes, the level of invested assets may change accordingly. Asset coverage ratio provides a measure of leverage.

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Notes to financial statements

Note 1 Organization

John Hancock Preferred Income Fund II (the fund) is a closed-end management investment company organized as a Massachusetts business trust and registered under the Investment Company Act of 1940, as amended (the 1940 Act).

Note 2 Significant accounting policies

The financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America (US GAAP), which require management to make certain estimates and assumptions as of the date of the financial statements. Actual results could differ from those estimates and those differences could be significant. The fund qualifies as an investment company under Topic 946 of Accounting Standards Codification of US GAAP.

Events or transactions occurring after the end of the fiscal period through the date that the financial statements were issued have been evaluated in the preparation of the financial statements. The following summarizes the significant accounting policies of the fund:

Security valuation. Investments are stated at value as of the scheduled close of regular trading on the New York Stock Exchange (NYSE), normally at 4:00 p.m., Eastern Time. In case of emergency or other disruption resulting in the NYSE not opening for trading or the NYSE closing at a time other than the regularly scheduled close, the net asset value (NAV) may be determined as of the regularly scheduled close of the NYSE pursuant to the fund's Valuation Policies and Procedures. The time at which shares and transactions are priced and until which orders are accepted may vary to the extent permitted by the Securities and Exchange Commission (SEC) and applicable regulations.

In order to value the securities, the fund uses the following valuation techniques: Equity securities held by the fund are typically valued at the last sale price or official closing price on the exchange or principal market where the security was acquired or most likely will be sold. In the event there were no sales during the day or closing prices are not available, the securities are valued using the last available bid price. Debt obligations are valued based on the evaluated prices provided by an independent pricing vendor or from broker-dealers. Independent pricing vendors utilize matrix pricing which takes 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, as well as broker supplied prices. Swaps are valued using evaluated prices obtained from an independent pricing vendor. Futures contracts are valued at settlement prices, which are the official closing prices published by the exchange on which they trade.

In certain instances, the Pricing Committee may determine to value equity securities using prices obtained from another exchange or market if trading on the exchange or market on which prices are typically obtained did not open for trading as scheduled, or if trading closed earlier than scheduled, and trading occurred as normal on another exchange or market.

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 and related inputs 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 July 31, 2016, by major security category or type:

	Total value at 7-31-16	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
Preferred securities				
Consumer staples	\$14,360,000		\$14,360,000	
Energy	30,219,162	\$30,219,162		
Financials	344,883,342	340,639,942	4,243,400	
Health care	14,918,400	14,918,400		
Industrials	9,760,600	9,760,600		
Telecommunication services	62,210,890	57,040,140	5,170,750	
Utilities	174,355,574	168,177,271	6,178,303	
Common stocks	40,305,189	40,305,189		
Capital preferred securities	6,439,630		6,439,630	
Corporate bonds	11,634,000		11,634,000	
Short-term investments	9,002,000		9,002,000	
Total investments in securities	\$718,088,787	\$661,060,704	\$57,028,083	
Other financial instruments:				
Futures	(\$1,863,219)	(\$1,863,219)		
Interest rate swaps	(361,799)		(\$361,799)	

Securities with a market value of approximately \$9,929,000 at the beginning of the year were transferred from Level 1 to Level 2 during the period since quoted prices in active markets for identical securities were no longer available and securities were valued using other significant observable inputs.

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. Collateral received by the fund for repurchase agreements is disclosed in the Fund's investments as part of the caption related to the repurchase agreement.

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, assets and liabilities resulting from repurchase agreements are not offset in the Statement of assets and liabilities. 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.

Security transactions and related investment income. Investment security transactions are accounted for on a trade date plus one basis for daily NAV calculations. However, for financial reporting purposes, investment transactions are reported on trade date. Interest income is accrued as earned. Interest income includes coupon interest and amortization/accretion of premiums/discounts on debt securities. Debt obligations may be placed in a non-accrual status and related interest income may be reduced by stopping current accruals and writing off interest receivable when the collection of all or a portion of interest has become doubtful. Dividend income is recorded on the ex-date, except for dividends of foreign securities where the dividend may not be known until after the ex-date. In those cases, dividend income, net of withholding taxes, is recorded when the fund becomes aware of the dividends. Distributions

received on securities that represent a tax return of capital or capital gain are recorded as a reduction of cost of investments and/or as a realized gain if amounts are estimable. Foreign taxes are provided for based on the fund's understanding of the tax rules and rates that exist in the foreign

markets in which it invests. Gains and losses on securities sold are determined on the basis of identified cost and may include proceeds from litigation.

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.

Foreign taxes. The fund may be subject to withholding tax on income and/or capital gains or repatriation taxes imposed by certain countries in which the fund invests. Taxes are accrued based upon investment income, realized gains or unrealized appreciation.

Overdrafts. Pursuant to the custodian agreement, the fund's custodian may, in its discretion, advance funds to the fund to make properly authorized payments. When such payments result in an overdraft, the fund is obligated to repay the custodian for any overdraft, including any costs or expenses associated with the overdraft. The custodian may have a lien, security interest or security entitlement in any fund property that is not otherwise segregated or pledged, to the maximum extent permitted by law, to the extent of any overdraft.

Expenses. Within the John Hancock group of funds complex, expenses that are directly attributable to an individual fund are allocated to such fund. Expenses that are not readily attributable to a specific fund are allocated among all funds in an equitable manner, taking into consideration, among other things, the nature and type of expense and the fund's relative net assets. Expense estimates are accrued in the period to which they relate and adjustments are made when actual amounts are known.

Federal income taxes. The fund intends to continue to qualify as a regulated investment company by complying with the applicable provisions of the Internal Revenue Code and will not be subject to federal income tax on taxable income that is distributed to shareholders. Therefore, no federal income tax provision is required.

Under the Regulated Investment Company Modernization Act of 2010, the fund is permitted to carry forward capital losses incurred in taxable years beginning after December 22, 2010 for an unlimited period. Any losses incurred during those taxable years will be required to be utilized prior to the losses incurred in pre-enactment taxable years. As a result of this ordering rule, pre-enactment capital loss carryforwards may be more likely to expire unused. Additionally, post-enactment capital losses that are carried forward will retain their character as either short-term or long-term capital losses rather than being considered all short-term as under previous law.

For federal income tax purposes, as of July 31, 2016, the fund has a capital loss carryforward of \$62,355,621 available to offset future net realized capital gains. The following table details the capital loss carryforward available:

Capital loss

**carryforward expiring No Expiration Date
at July 31**

2017	2018	Short-Term	Long-Term
\$41,725,462	\$7,092,125	\$2,089,792	\$11,448,242

As of July 31, 2016, the fund had no uncertain tax positions that would require financial statement recognition, derecognition or disclosure. The fund's federal tax returns are subject to examination by the Internal Revenue Service for a period of three years.

Distribution of income and gains. Distributions to shareholders from net investment income and net realized gains, if any, are recorded on the ex-date. The fund generally declares and pays dividends monthly and capital gain

distributions, if any, annually.

The tax character of distributions for the years ended July 31, 2016 and 2015 was as follows:

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	July 31, 2016	July 31, 2015
Ordinary income	\$32,536,721	\$34,447,728
Tax return of capital	3,161,748	1,250,406
Total	\$35,698,469	\$35,698,134

As of July 31, 2016, the fund has no distributable earnings on a tax basis.

Such distributions and distributable earnings, on a tax basis, are determined in conformity with income tax regulations, which may differ from US GAAP. Distributions in excess of tax basis earnings and profits, if any, are reported in the fund's financial statements as a return of capital.

Capital accounts within the financial statements are adjusted for permanent book-tax differences. These adjustments have no impact on net assets or the results of operations. Temporary book-tax differences, if any, will reverse in a subsequent period. Book-tax differences are primarily attributable to derivative transactions and REITs.

Statement of cash flows. Information on financial transactions that have been settled through the receipt and disbursement of cash is presented in the Statement of cash flows. The cash amount shown in the Statement of cash flows is the amount included in the fund's Statement of assets and liabilities and represents the cash on hand at the fund's custodian and does not include any short-term investments, Cash segregated at the custodian for derivative contracts or Cash held at the broker for futures contracts.

Note 3 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 over-the-counter (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.

Swaps are typically traded through the OTC market. Derivative counterparty risk is managed through an ongoing evaluation of the creditworthiness of all potential counterparties and, if applicable, designated clearing organizations. The fund attempts to reduce its exposure to counterparty risk for derivatives traded in the OTC market, whenever possible, by entering into an International Swaps and Derivatives Association (ISDA) Master Agreement with each of its OTC counterparties. The ISDA gives each party to the agreement the right to terminate all transactions traded under the agreement if there is certain deterioration in the credit quality or contractual default of the other party, as defined in the ISDA. Upon an event of default or a termination of the ISDA, the non-defaulting party has the right to close out all transactions and to net amounts owed.

As defined by the ISDA, the fund may have collateral agreements with certain counterparties to mitigate counterparty risk on OTC derivatives. Subject to established minimum levels, collateral for OTC transactions is generally determined based on the net aggregate unrealized gain or loss on contracts with a particular counterparty. Collateral pledged to the fund is held in a segregated account by a third-party agent or held by the custodian bank for the benefit of the fund and can be in the form of cash or debt securities issued by the U.S. government or related agencies; collateral posted by the fund for OTC transactions is held in a segregated account at the fund's custodian and is noted in the accompanying Fund's investments, or if cash is posted, on the Statement of assets and liabilities. The fund's maximum risk of loss due to counterparty risk is equal to the asset value of outstanding contracts offset by collateral received.

For financial reporting purposes, the fund does not offset OTC derivative assets or liabilities that are subject to master netting arrangements, as defined by the ISDAs, in the Statement of assets and liabilities. In the event of default by the counterparty or a termination of the agreement, the ISDA allows an offset of amounts across the various transactions between the fund and the applicable counterparty.

Futures are traded and cleared on an exchange. Exchange-traded transactions generally present less counterparty risk to a fund than OTC transactions. The exchange stands between the fund and the broker to the contract and therefore, credit risk is generally limited to the failure of the exchange.

Margin requirements for exchange-traded derivatives are set by the broker or applicable exchange. Margin for exchange-traded transactions are detailed in the Statement of assets and liabilities as Cash held at broker for futures contracts.

Futures. A futures contract is a contractual agreement to buy or sell a particular currency or financial instrument at a pre-determined price in the future. Risks related to the use of futures contracts include possible illiquidity of the futures markets, contract prices that can be highly volatile and imperfectly correlated to movements in the underlying financial instrument and potential losses in excess of the amounts recognized on the Statement of assets and liabilities. Use of long futures contracts subjects the fund to the risk of loss up to the notional value of the futures contracts. Use of short futures contracts subjects the fund to unlimited risk of loss.

Upon entering into a futures contract, the fund is required to deposit initial margin with the broker in the form of cash or securities. The amount of required margin is generally based on a percentage of the contract value; this amount is the initial margin for the trade. The margin deposit must then be maintained at the established level over the life of the contract. Futures margin receivable / payable is included on the Statement of assets and liabilities. Futures contracts are marked-to-market daily and an appropriate payable or receivable for the change in value (variation margin) and unrealized gain or loss is recorded by the fund. When the contract is closed, the fund records a realized gain or loss equal to the difference between the value of the contract at the time it was opened and the value at the time it was closed.

During the year ended July 31, 2016, the fund used futures contracts to manage against anticipated interest rate changes against preferred securities. The fund held futures contracts with notional values ranging from \$33.7 million to \$69.2 million, as measured at each quarter end. The following table summarizes the contracts held at July 31, 2016:

Open contracts	Number of contracts	Position	Expiration date	Notional basis	Notional value	Unrealized appreciation (depreciation)
10-Year U.S. Treasury Note Futures	520	Short	Sep 2016	(\$67,318,824)	(\$69,182,043)	(\$1,863,219)

Notional basis refers to the contractual amount agreed upon at inception of open contracts; notional value represents the current value of the open contract.

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. Swap agreements are privately negotiated in the OTC market or may be executed on a registered commodities exchange (centrally cleared swaps). Swaps are marked-to-market daily and the change in value is recorded as unrealized appreciation/depreciation of swap contracts. A termination payment by the counterparty or the fund is recorded as realized gain or loss, as well as the net periodic payments received or paid by the fund. The value of the swap will typically impose collateral posting obligations on the party that is considered out-of-the-money on the swap.

Entering into swap agreements involves, to varying degrees, elements of credit, market and documentation risk that may produce outcomes that are in excess of the amounts recognized on the Statement of assets and liabilities. Such risks involve the possibility that there will be no liquid market for the swap, or that a counterparty may default on its obligation or delay payment under the swap terms. The counterparty may disagree or contest the terms of the swap. In

addition to interest rate risk, market risks may also impact the swap. The fund may also suffer losses if it is unable to terminate or assign outstanding swaps or reduce its exposure through offsetting transactions.

During the year ended July 31, 2016, the fund used interest rate swaps to manage against anticipated interest rate changes. The following table summarizes the interest rate swap contracts held as of July 31, 2016:

Counterparty	USD notional amount	Payments made by fund	Payments received by fund	Maturity date	Market value
Morgan Stanley Capital Services	\$56,000,000	Fixed 0.8750%	3 Month LIBOR ^(a)	Jul 2017	(\$41,154)
Morgan Stanley Capital Services	56,000,000	Fixed 1.4625%	3 Month LIBOR ^(a)	Aug 2016	(320,645)
	\$112,000,000				(\$361,799)

^(a) At 7-31-16, the 3-month LIBOR rate was 0.7591%.

No interest rate swap positions were entered into or closed during the year ended July 31, 2016.

Fair value of derivative instruments by risk category

The table below summarizes the fair value of derivatives held by the fund at July 31, 2016 by risk category:

Risk	Statement of assets and liabilities location	Financial instruments location	Asset derivatives fair value	Liabilities derivatives fair value
Interest rate	Receivable/payable for futures	Futures		(\$1,863,219)
Interest rate	Swap contracts, at value	Interest rate swaps		(361,799)
				(\$2,225,018)

Reflects cumulative appreciation/depreciation on futures as disclosed in Note 3. Only the period end variation margin is separately disclosed on the Statement of assets and liabilities.

Effect of derivative instruments on the Statement of operations

The table below summarizes the net realized gain (loss) included in the net increase (decrease) in net assets from operations, classified by derivative instrument and risk category, for the year ended July 31, 2016:

Risk	Statement of operations location - Net realized gain (loss) on:		
	Futures contracts	Swap contracts	Total
Interest rate	(\$700,800)	(\$824,585)	(\$1,525,385)

The table below summarizes the net change in unrealized appreciation (depreciation) included in the net increase (decrease) in net assets from operations, classified by derivative instrument and risk category, for the year ended July 31, 2016:

Risk	Statement of operations location - Change in unrealized appreciation (depreciation):		
	Futures contracts	Swap contracts	Total
Interest rate	(\$1,778,765)	\$531,983	(\$1,246,782)

Note 4 Guarantees and indemnifications

Under the fund's organizational documents, its Officers and Trustees are indemnified against certain liabilities arising out of the performance of their duties to the fund. Additionally, in the normal course of business, the fund enters into contracts with service providers that contain general indemnification clauses. The fund's maximum exposure under

these arrangements is unknown, as this would involve future claims that may be made against the fund that have not yet occurred. The risk of material loss from such claims is considered remote.

Note 5 Fees and transactions with affiliates

John Hancock Advisers, LLC (the Advisor) serves as investment advisor for the fund. The Advisor is an indirect, wholly owned subsidiary of Manulife Financial Corporation (MFC).

Management fee. The fund has an investment management agreement with the Advisor under which the fund pays a daily management fee to the Advisor, equivalent on an annual basis, to 0.75% of the fund's average daily managed assets including any assets attributable to the Credit Facility Agreement (see Note 7) (collectively, managed assets). The Advisor has

a subadvisory agreement with John Hancock Asset Management a division of Manulife Asset Management (US) LLC, an indirectly owned subsidiary of MFC and an affiliate of the Advisor. The fund is not responsible for payment of the subadvisory fees.

The Advisor has contractually agreed to waive a portion of its management fee and/or reimburse expenses for certain funds of the John Hancock group of funds complex, including the fund (the participating portfolios). This waiver is based upon aggregate net assets of all the participating portfolios. The amount of the reimbursement is calculated daily and allocated among all the participating portfolios in proportion to the daily net assets of each fund. During the year ended July 31, 2016, this waiver amounted to 0.01% of the fund's average daily managed assets. This arrangement may be amended or terminated at any time by the Advisor upon notice to the fund and with the approval of the Board of Trustees.

The expense reductions described above amounted to \$51,454 for the year ended July 31, 2016.

Expenses waived or reimbursed in the current fiscal period are not subject to recapture in future fiscal periods.

The investment management fees, including the impact of the waivers and reimbursements as described above, incurred for the year ended July 31, 2016 were equivalent to a net annual effective rate of 0.74% of the fund's average daily managed assets.

Accounting and legal services. Pursuant to a service agreement, the fund reimburses the Advisor for all expenses associated with providing the administrative, financial, legal, accounting and recordkeeping services to the fund, including the preparation of all tax returns, periodic reports to shareholders and regulatory reports, among other services. These accounting and legal services fees incurred for the year ended July 31, 2016 amounted to an annual rate of 0.02% of the fund's average daily managed assets.

Trustee expenses. The fund compensates each Trustee who is not an employee of the Advisor or its affiliates. These Trustees receive from the fund and the other John Hancock closed-end funds an annual retainer. In addition, Trustee out-of-pocket expenses are allocated to each fund based on its net assets relative to other funds within the John Hancock group of funds complex.

Note 6 Leverage risk

The fund utilizes a Credit Facility Agreement (CFA) to increase its assets available for investment. When the fund leverages its assets, common shareholders bear the fees associated with the CFA and have potential to benefit or be disadvantaged from the use of leverage. The Advisor's fee is also increased in dollar terms from the use of leverage. Consequently, the fund and the Advisor may have differing interests in determining whether to leverage the fund's assets. Leverage creates risks that may adversely affect the return for the holders of common shares, including:

- the likelihood of greater volatility of NAV and market price of common shares;
- fluctuations in the interest rate paid for the use of the credit facility;
- increased operating costs, which may reduce the fund's total return;
- the potential for a decline in the value of an investment acquired through leverage, while the fund's obligations under such leverage remains fixed; and
- the fund is more likely to have to sell securities in a volatile market in order to meet asset coverage or other debt compliance requirements.

To the extent the income or capital appreciation derived from securities purchased with funds received from leverage exceeds the cost of leverage, the fund's return will be greater than if leverage had not been used, conversely, returns would be lower if the cost of the leverage exceeds the income or capital appreciation derived.

In addition to the risks created by the fund's use of leverage, the fund is subject to the risk that it would be unable to timely, or at all, obtain replacement financing if the CFA is terminated. Were this to happen, the fund would be required to de-leverage, selling securities at a potentially inopportune time and incurring tax consequences. Further, the fund's ability to generate income from the use of leverage would be adversely affected.

Note 7 Credit facility agreement

The fund has entered into a CFA with a subsidiary of BNP Paribas (BNP) that allows it to borrow up to \$238,000,000 (maximum facility amount) and to invest the borrowings in accordance with its investment practices.

The fund pledges a portion of its assets as collateral to secure borrowings under the CFA. Such pledged assets are held in a special custody account with the fund's custodian. The amount of assets required to be pledged by the fund is determined in accordance with the CFA. The fund retains the benefits of ownership of assets pledged to secure borrowings under the CFA. Interest charged is at the rate of one month LIBOR (London Interbank Offered Rate) plus 0.70% and is payable monthly. As of July 31, 2016, the fund had borrowings of \$238,000,000 at an interest rate of 1.20%, which are reflected in the CFA payable on the Statement of assets and liabilities. During the year ended July 31, 2016, the average borrowings under the CFA and the effective average interest rate were \$238,000,000 and 1.07%, respectively.

The fund is required to pay a commitment fee equal to 0.60% on any unused portion of the maximum facility amount, only for days on which the aggregate outstanding amount of the loans under the CFA is less than 80% of the maximum facility amount. For the year ended July 31, 2016, there were no commitment fees incurred by the fund.

The fund may terminate the CFA with 30 days' notice. If certain asset coverage and collateral requirements, minimum net assets or other covenants are not met, the CFA could be deemed in default and result in termination. Absent a default or facility termination event, BNP generally is required to provide the fund with 360 days' notice prior to terminating or amending the CFA.

The fund has an agreement with BNP that allows BNP to borrow a portion of the pledged collateral (Lent Securities) in an amount not to exceed the lesser of: (i) outstanding borrowings owed by the fund to BNP or (ii) 331/3% of the fund's total assets. The fund can designate any security within the pledged collateral as ineligible to be a Lent Security and can recall any of the Lent Securities. The fund also has the right to apply and set-off an amount equal to 100% of the then-current fair market value of such Lent Securities against the current borrowings under the CFA in the event that BNP fails to timely return the Lent Securities and in certain other circumstances. In such circumstances, however, the fund may not be able to obtain replacement financing required to purchase replacement securities and, consequently, the fund's income generating potential may decrease. Even if the fund is able to obtain replacement financing, it might not be able to purchase replacement securities at favorable prices. Income earned from Lent Securities of \$102,014 for the year ended July 31, 2016 is recorded as a component of interest income on the Statement of operations.

Note 8 Purchase and sale of securities

Purchases and sales of securities, other than short-term investments, amounted to \$93,920,182 and \$102,380,202, respectively, for the year ended July 31, 2016.

Note 9 Industry or sector risk

The fund may invest a large percentage of its assets in one or more particular industries or sectors of the economy. If a large percentage of the fund's assets are economically tied to a single or small number of industries or sectors of the economy, the fund will be less diversified than a more broadly diversified fund, and it may cause the fund to underperform if that industry or sector underperforms. In addition, focusing on a particular industry or sector may make the fund's net asset value more volatile. Further, a fund that invests in particular industries or sectors is particularly susceptible to the impact of market, economic, regulatory and other factors affecting those industries or sectors.

AUDITOR'S REPORT

Report of Independent Registered Public Accounting Firm

To the Board of Trustees and Shareholders of John Hancock Preferred Income Fund II:

In our opinion, the accompanying statement of assets and liabilities, including the fund's investments, and the related statements of operations, of changes in net assets, of cash flows, and the financial highlights present fairly, in all material respects, the financial position of the John Hancock Preferred Income Fund II (the "Fund") at July 31, 2016, the results of its operations and its cash flows for the year then ended, the changes in its net assets for each of the two years in the period then ended and the financial highlights for each of the five years in the period then ended, in conformity with accounting principles generally accepted in the United States of America. These financial statements and financial highlights (hereafter referred to as "financial statements") are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits of these financial statements in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits, which included confirmation of securities at July 31, 2016 by correspondence with the custodian and brokers and the application of alternative auditing procedures where securities purchased confirmations had not been received, provide a reasonable basis for our opinion.

PricewaterhouseCoopers LLP

Boston, Massachusetts

September 15, 2016

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TAX INFORMATION

Unaudited

For federal income tax purposes, the following information is furnished with respect to the distributions of the fund, if any, paid during its taxable year ended July 31, 2016.

The fund reports the maximum amount allowable of its net taxable income as eligible for the corporate dividends-received deduction.

The fund reports the maximum amount allowable of its net taxable income as qualified dividend income as provided in the Jobs and Growth Tax Relief Reconciliation Act of 2003.

Eligible shareholders will be mailed a 2016 Form 1099-DIV in early 2017. This will reflect the tax character of all distributions paid in calendar year 2016.

Please consult a tax advisor regarding the tax consequences of your investment in the fund.

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ADDITIONAL INFORMATION

Unaudited

Investment objective and principal investment strategies

The fund is a closed-end, diversified management investment company, common shares of which were initially offered to the public on November 29, 2002 and are publicly traded on the New York Stock Exchange (the NYSE). The fund's primary investment objective is to provide a high level of current income, consistent with preservation of capital. The fund's secondary investment objective is to provide growth of capital to the extent consistent with its primary investment objective. The fund seeks to achieve its investment objectives by investing in securities that, in the opinion of the Advisor, may be undervalued relative to similar securities in the marketplace. The fund's principal investment strategies include, but are not limited to, the following: Under normal market conditions, the fund invests at least 80% of its assets (net assets plus borrowings for investment purposes) in preferred stocks and other preferred securities, including convertible preferred securities. In addition, the fund invests 25% or more of its total assets in the industries comprising the utilities sector.

Declaration of Trust and By-Laws

Effective January 22, 2016, the Board of Trustees of the fund amended and restated in its entirety the Agreement and Declaration of Trust of the fund (the "Declaration of Trust"). The amendments to the Declaration of Trust include, among other changes, provisions that: (i) clarify certain duties, responsibilities, and powers of the Trustees; (ii) clarify that, other than as provided under federal securities laws, the shareholders may only bring actions involving the Trust derivatively; (iii) provide that any action brought by a shareholder related to the Trust will be brought in Massachusetts state or federal court, and that, if a claim is brought in a different jurisdiction and subsequently changed to a Massachusetts venue, the shareholder will be required to reimburse the Trust for expenses related to changing venue; and (iv) clarify that shareholders are not intended to be third-party beneficiaries of fund contracts. The foregoing description of the Declaration of Trust is qualified in its entirety by the full text of the Declaration of Trust, effective as of January 22, 2016, which is available by writing to the Secretary of the fund at 601 Congress Street, 11th Floor, Boston, Massachusetts 02210.

Effective March 10, 2016, the Board of Trustees of the fund amended the By-Laws of the fund to provide that Trustees' mandatory retirement age shall be determined from time to time by a resolution of the majority of the Trustees.

Dividends and distributions

During the year ended July 31, 2016, distributions from net investment income totaling \$1.5312 per share and from tax return of capital totaling \$0.1488 were paid to shareholders. The dates of payments and the amounts per share were as follows:

Payment date	Distributions
August 31, 2015	\$0.1400
September 30, 2015	0.1400
October 30, 2015	0.1400
November 30, 2015	0.1400
December 31, 2015	0.1400
January 29, 2016	0.1400
February 29, 2016	0.1400
March 31, 2016	0.1400

April 29, 2016	0.1400
May 31, 2016	0.1400
June 30, 2016	0.1400
July 29, 2016	0.1400
Total	\$1.6800

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Dividend reinvestment plan

The fund's Dividend Reinvestment Plan (the Plan) provides that distributions of dividends and capital gains are automatically reinvested in common shares of the fund by Computershare Trust Company, N.A. (the Plan Agent). Every shareholder holding at least one full share of the fund is entitled to participate in the Plan. In addition, every shareholder who became a shareholder of the fund after June 30, 2011, and holds at least one full share of the fund will be automatically enrolled in the Plan. Shareholders may withdraw from the Plan at any time and shareholders who do not participate in the Plan will receive all distributions in cash.

If the fund declares a dividend or distribution payable either in cash or in common shares of the fund and the market price of shares on the payment date for the distribution or dividend equals or exceeds the fund's net asset value per share (NAV), the fund will issue common shares to participants at a value equal to the higher of NAV or 95% of the market price. The number of additional shares to be credited to each participant's account will be determined by dividing the dollar amount of the distribution or dividend by the higher of NAV or 95% of the market price. If the market price is lower than NAV, or if dividends or distributions are payable only in cash, then participants will receive shares purchased by the Plan Agent on participants' behalf on the NYSE or otherwise on the open market. If the market price exceeds NAV before the Plan Agent has completed its purchases, the average per share purchase price may exceed NAV, resulting in fewer shares being acquired than if the fund had issued new shares.

There are no brokerage charges with respect to common shares issued directly by the fund. However, whenever shares are purchased or sold on the NYSE or otherwise on the open market, each participant will pay a pro rata portion of brokerage trading fees, currently \$0.05 per share purchased or sold. Brokerage trading fees will be deducted from amounts to be invested.

The reinvestment of dividends and net capital gains distributions does not relieve participants of any income tax that may be payable on such dividends or distributions.

Shareholders participating in the Plan may buy additional shares of the fund through the Plan at any time in amounts of at least \$50 per investment, up to a maximum of \$10,000, with a total calendar year limit of \$100,000. Shareholders will be charged a \$5 transaction fee plus \$0.05 per share brokerage trading fee for each order. Purchases of additional shares of the fund will be made on the open market. Shareholders who elect to utilize monthly electronic fund transfers to buy additional shares of the fund will be charged a \$2 transaction fee plus \$0.05 per share brokerage trading fee for each automatic purchase. Shareholders can also sell fund shares held in the Plan account at any time by contacting the Plan Agent by telephone, in writing or by visiting the Plan Agent's website at www.computershare.com/investor. The Plan Agent will mail a check (less applicable brokerage trading fees) on settlement date, which is three business days after the shares have been sold. If shareholders choose to sell shares through their stockbroker, they will need to request that the Plan Agent electronically transfer those shares to their stockbroker through the Direct Registration System.

Shareholders participating in the Plan may withdraw from the Plan at any time by contacting the Plan Agent by telephone, in writing or by visiting the Plan Agent's website at www.computershare.com/investor. Such termination will be effective immediately if the notice is received by the Plan Agent prior to any dividend or distribution record date; otherwise, such termination will be effective on the first trading day after the payment date for such dividend or distribution, with respect to any subsequent dividend or distribution. If shareholders withdraw from the Plan, their shares will be credited to their account; or, if they wish, the Plan Agent will sell their full and fractional shares and send the shareholders the proceeds, less a transaction fee of \$5 and less brokerage trading fees of \$0.05 per share. If a shareholder does not maintain at least one whole share of common stock in the Plan account, the Plan Agent may terminate such shareholder's participation in the Plan after written notice. Upon termination, shareholders will be sent a check for the cash value of any fractional share in the Plan account, less any applicable broker commissions and taxes.

Shareholders who hold at least one full share of the fund may join the Plan by notifying the Plan Agent by telephone, in writing or by visiting the Plan Agent's website at www.computershare.com/investor. If received in proper form by the Plan Agent before the record date of a dividend, the election will be effective with respect to all dividends paid after such record date. If shareholders wish to participate in the Plan and their shares are held in the name of a brokerage firm, bank or other

nominee, shareholders should contact their nominee to see if it will participate in the Plan. If shareholders wish to participate in the Plan, but their brokerage firm, bank or other nominee is unable to participate on their behalf, they will need to request that their shares be re-registered in their own name, or they will not be able to participate. The Plan Agent will administer the Plan on the basis of the number of shares certified from time to time by shareholders as representing the total amount registered in their name and held for their account by their nominee.

Experience under the Plan may indicate that changes are desirable. Accordingly, the fund and the Plan Agent reserve the right to amend or terminate the Plan. Participants generally will receive written notice at least 90 days before the effective date of any amendment. In the case of termination, participants will receive written notice at least 90 days before the record date for the payment of any dividend or distribution by the fund.

Effective November 1, 2013, the Plan was revised to provide that Computershare Trust Company, N.A. no longer provides mail loss insurance coverage when shareholders mail their certificates to the fund's administrator.

All correspondence or requests for additional information about the Plan should be directed to Computershare Trust Company, N.A., at the address stated below, or by calling 800-852-0218, 201-680-6578 (For International Telephone Inquiries) and 800-952-9245 (For the Hearing Impaired (TDD)).

Shareholder communication and assistance

If you have any questions concerning the fund, we will be pleased to assist you. If you hold shares in your own name and not with a brokerage firm, please address all notices, correspondence, questions or other communications regarding the fund to the transfer agent at:

Computershare
P.O. Box 30170
College Station, TX 77842-3170
Telephone: 800-852-0218

If your shares are held with a brokerage firm, you should contact that firm, bank or other nominee for assistance.

Shareholder meeting

The fund held its Annual Meeting of Shareholders on February 3, 2016. The following proposal was considered by the shareholders:

Proposal: To elect one (1) Trustee (James R. Boyle) to serve for a 1-year term ending at the 2017 Annual Meeting of Shareholders and to elect four (4) Trustees (Craig Bromley, Deborah C. Jackson, James M. Oates, and Steven R. Pruchansky) to serve for a three-year term ending at the 2019 annual Meeting of Shareholders. Each Trustee was re-elected by the fund's shareholders and the votes cast with respect to each Trustee are set forth below:

	Total votes for the nominee	Total votes withheld from the nominee
Independent Trustees		
Deborah C. Jackson	18,111,871.025	753,619.300
James M. Oates	18,147,968.525	717,521.800
Steven R. Pruchansky	18,127,959.025	737,531.300
Non-Independent Trustees		
James R. Boyle	18,109,829.525	755,660.800
Craig Bromley	18,126,025.525	739,464.800

Trustees whose term of office continued after the Annual Meeting of Shareholders because they were not up for election are: Charles L. Bardelis, Peter S. Burgess, William H. Cunningham, Grace K. Fey, Theron S. Hoffman, Hassell H. McClellan, Gregory A. Russo, and Warren A. Thomson.

CONTINUATION OF INVESTMENT ADVISORY AND SUBADVISORY AGREEMENTS

Evaluation of Advisory and Subadvisory Agreements by the Board of Trustees

This section describes the evaluation by the Board of Trustees (the Board) of John Hancock Preferred Income Fund II (the fund) of the Advisory Agreement (the Advisory Agreement) with John Hancock Advisers, LLC (the Advisor) and the Subadvisory Agreement (the Subadvisory Agreement) with John Hancock Asset Management a division of Manulife Asset Management (US) LLC (the Subadvisor). The Advisory Agreement and Subadvisory Agreement are collectively referred to as the Agreements. Prior to the June 20-23, 2016 meeting at which the Agreements were approved, the Board also discussed and considered information regarding the proposed continuation of the Agreements at an in-person meeting held on May 24-25, 2016.

Approval of Advisory and Subadvisory Agreements

At in-person meetings held on June 20-23, 2016, the Board, including the Trustees who are not considered to be interested persons of the fund under the Investment Company Act of 1940, as amended (the 1940 Act) (the Independent Trustees), reapproved for an annual period the continuation of the Advisory Agreement between the fund and the Advisor and the Subadvisory Agreement between the Advisor and the Subadvisor with respect to the fund.

In considering the Advisory Agreement and the Subadvisory Agreement, the Board received in advance of the meetings a variety of materials relating to the fund, the Advisor and the Subadvisor, including comparative performance, fee and expense information for a peer group of similar funds prepared by an independent third-party provider of fund data, performance information for an applicable benchmark index; and other pertinent information, such as the market premium and discount information, and, with respect to the Subadvisor, comparative performance information for comparably managed accounts, as applicable, and other information provided by the Advisor and the Subadvisor regarding the nature, extent and quality of services provided by the Advisor and the Subadvisor under their respective Agreements, as well as information regarding the Advisor's revenues and costs of providing services to the fund and any compensation paid to affiliates of the Advisor. At the meetings at which the renewal of the Advisory Agreement and Subadvisory Agreement are considered, particular focus is given to information concerning fund performance, comparability of fees and total expenses, and profitability. However, the Board notes that the evaluation process with respect to the Advisor and the Subadvisor is an ongoing one. In this regard, the Board also took into account discussions with management and information provided to the Board at prior meetings with respect to the services provided by the Advisor and the Subadvisor to the fund, including quarterly performance reports prepared by management containing reviews of investment results and prior presentations from the Subadvisor with respect to the fund. The Board noted the affiliation of the Subadvisor with the Advisor, noting any potential conflicts of interest. The Board also considered the nature, quality, and extent of non-advisory services, if any, to be provided to the fund by the Advisor's affiliates.

Throughout the process, the Board asked questions of and requested additional information from management. The Board is assisted by counsel for the fund and the Independent Trustees are also separately assisted by independent legal counsel throughout the process. The Independent Trustees also received a memorandum from their independent legal counsel discussing the legal standards for their consideration of the proposed continuation of the Agreements and discussed the proposed continuation of the Agreements in private sessions with their independent legal counsel at which no representatives of management were present.

Approval of Advisory Agreement

In approving the Advisory Agreement with respect to the fund, the Board, including the Independent Trustees, considered a variety of factors, including those discussed below. The Board also considered other factors (including conditions and trends prevailing generally in the economy, the securities markets, and the industry) and does not treat any single factor as determinative, and each Trustee may attribute different weights to different factors. The Board's

conclusions may be based in part on its consideration of the advisory and subadvisory arrangements in prior years and on the Board's ongoing regular review of fund performance and operations throughout the year.

Nature, extent, and quality of services. Among the information received by the Board from the Advisor relating to the nature, extent, and quality of services provided to the fund, the Board reviewed information provided by the Advisor relating to its operations and personnel, descriptions of its organizational and management structure, and information regarding the Advisor's compliance and regulatory history, including its Form ADV. The Board also noted that on a regular basis it receives and reviews information from the fund's Chief Compliance Officer (CCO) regarding the fund's compliance policies and procedures established pursuant to Rule 38a-1 under the 1940 Act. The Board also considered the Advisor's risk management processes. The Board considered that the Advisor is responsible for the management of the day-to-day operations of the fund, including, but not limited to, general supervision of and coordination of the services provided by the Subadvisor, and is also responsible for monitoring and reviewing the activities of the Subadvisor and third-party service providers.

The Board also considered the differences between the Advisor's services to the fund and the services it provides to other clients that are not closed-end funds, including, for example, the differences in services related to the regulatory and legal obligations of closed-end funds.

In considering the nature, extent, and quality of the services provided by the Advisor, the Trustees also took into account their knowledge of the Advisor's management and the quality of the performance of the Advisor's duties, through Board meetings, discussions and reports during the preceding year and through each Trustee's experience as a Trustee of the fund and of the other funds in the John Hancock group of funds complex (the John Hancock Fund Complex).

In the course of their deliberations regarding the Advisory Agreement, the Board considered, among other things:

- the skills and competency with which the Advisor has in the past managed the fund's affairs and its subadvisory relationship, the Advisor's oversight and monitoring of the Subadvisor's investment performance and compliance
- (a) programs, such as the Subadvisor's compliance with fund policies and objectives, review of brokerage matters, including with respect to trade allocation and best execution and the Advisor's timeliness in responding to performance issues;
- (b) the background, qualifications and skills of the Advisor's personnel;
- (c) the Advisor's compliance policies and procedures and its responsiveness to regulatory changes and fund industry developments;
- (d) the Advisor's administrative capabilities, including its ability to supervise the other service providers for the fund;
- (e) the financial condition of the Advisor and whether it has the financial wherewithal to provide a high level and quality of services to the fund; and
- (f) the Advisor's reputation and experience in serving as an investment advisor to the fund and the benefit to shareholders of investing in funds that are part of a family of funds offering a variety of investments.

The Board concluded that the Advisor may reasonably be expected to continue to provide a high quality of services under the Advisory Agreement with respect to the fund.

Investment performance. In considering the fund's performance, the Board noted that it reviews at its regularly scheduled meetings information about the fund's performance results. In connection with the consideration of the Advisory Agreement, the Board:

- (a) reviewed information prepared by management regarding the fund's performance;
- (b) considered the comparative performance of an applicable benchmark index;
- (c) considered the performance of comparable funds, if any, as included in the report prepared by an independent third-party provider of fund data;
- (d) took into account the Advisor's analysis of the fund's performance; and

(e) considered the fund's share performance and premium/discount information.

The Board noted that, based on its net asset value, the fund outperformed its benchmark index for the three-, five-, and ten-year periods and its peer group average for the one- and ten-year periods and underperformed its benchmark index for the one-year period and its peer group average for the three- and five-year periods ended December 31, 2015. The Board took into account management's discussion of the Fund's performance, including the favorable performance relative to the benchmark index for the three-, five-, and ten-year periods and to the peer group for the one- and ten-year periods. The Board concluded that the fund's performance has generally been in line with or outperformed the historical performance of comparable funds and the fund's benchmark.

Fees and expenses. The Board reviewed comparative information prepared by an independent third-party provider of fund data, including, among other data, the fund's contractual and net management fees (and subadvisory fees, to the extent available) and total expenses as compared to similarly situated investment companies deemed to be comparable to the fund. The Board considered the fund's ranking within a smaller group of peer funds chosen by the independent third-party provider, as well as the fund's ranking within a broader group of funds. In comparing the fund's contractual and net management fees to those of comparable funds, the Board noted that such fees include both advisory and administrative costs.

The Board also took into account the impact of leverage on fund expenses. The Board took into account the management fee structure, including that management fees for the fund were based on the fund's total managed assets, which are attributable to common stock and borrowings.

The Board noted that net management fees for the fund and total expenses for the fund are each lower than the peer group median and that the contractual fee waiver and/or expense reimbursement reduces certain expenses of the fund.

The Board also took into account management's discussion with respect to the advisory/subadvisory fee structure, including the amount of the advisory fee retained by the Advisor after payment of the subadvisory fee. The Board also noted that the Advisor pays the subadvisory fee. In addition, the Board took into account that management had agreed to implement an overall fee waiver across the complex, including the fund, which is discussed further below. The Board reviewed information provided by the Advisor concerning the investment advisory fee charged by the Advisor or one of its advisory affiliates to other clients (including other funds in the John Hancock Fund Complex) having similar investment mandates, if any. The Board considered any differences between the Advisor's and Subadvisor's services to the fund and the services they provide to other comparable clients or funds. The Board concluded that the advisory fee paid with respect to the fund is reasonable.

Profitability/indirect benefits. In considering the costs of the services to be provided and the profits to be realized by the Advisor and its affiliates (including the Subadvisor) from the Advisor's relationship with the fund, the Board:

- (a) reviewed financial information of the Advisor;
- (b) reviewed and considered information presented by the Advisor regarding the net profitability to the Advisor and its affiliates with respect to the fund;
- (c) received and reviewed profitability information with respect to the John Hancock Fund Complex as a whole;
- (d) received information with respect to the Advisor's allocation methodologies used in preparing the profitability data;
- (e) considered that the Advisor also provides administrative services to the fund on a cost basis pursuant to an administrative services agreement;
- (f) noted that the fund's Subadvisor is an affiliate of the Advisor;
- (g) noted that the Advisor also derives reputational and other indirect benefits from providing advisory services to the fund;

(h) noted that the subadvisory fees for the fund are paid by the Advisor; and
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- (i) considered that the Advisor should be entitled to earn a reasonable level of profits in exchange for the level of services it provides to the fund and the entrepreneurial risk that it assumes as Advisor.

Based upon its review, the Board concluded that the level of profitability, if any, of the Advisor and its affiliates (including the Subadvisor) from their relationship with the fund was reasonable and not excessive.

Economies of scale. In considering the extent to which the fund may realize any economies of scale and whether fee levels reflect these economies of scale for the benefit of the fund shareholders, the Board noted that the fund has a limited ability to increase its assets as a closed-end fund. The Board took into account management's discussions of the current advisory fee structure, and, as noted above, the services the Advisor provides in performing its functions under the Advisory Agreement and in supervising the Subadvisor.

The Board also considered potential economies of scale that may be realized by the fund as part of the John Hancock Fund Complex. Among them, the Board noted that the Advisor has contractually agreed to waive a portion of its management fee and/or reimburse expenses for certain funds of the John Hancock Fund Complex, including the fund (the participating portfolios). This waiver is based upon aggregate net assets of all the participating portfolios. The amount of the reimbursement is calculated daily and allocated among all the participating portfolios in proportion to the daily net assets of each fund. The Board also considered the Advisor's overall operations and its ongoing investment in its business in order to expand the scale of, and improve the quality of, its operations that benefit the fund. The Board noted that although the fund does not have breakpoints in its contractual management fee, its net management fee and total expenses are each below the peer group median. The Board determined that the management fee structure for the fund was reasonable.

Approval of Subadvisory Agreement

In making its determination with respect to approval of the Subadvisory Agreement, the Board reviewed:

- (1) information relating to the Subadvisor's business, including current subadvisory services to the fund (and other funds in the John Hancock Fund Complex);
- (2) the historical and current performance of the fund and comparative performance information relating to an applicable benchmark index and comparable funds; and
- (3) the subadvisory fee for the fund and to the extent available, comparable fee information prepared by an independent third party provider of fund data.

Nature, extent, and quality of services. With respect to the services provided by the Subadvisor, the Board received information provided to the Board by the Subadvisor, including the Subadvisor's Form ADV, as well as took into account information presented throughout the past year. The Board considered the Subadvisor's current level of staffing and its overall resources, as well as received information relating to the Subadvisor's compensation program. The Board reviewed the Subadvisor's history and investment experience, as well as information regarding the qualifications, background, and responsibilities of the Subadvisor's investment and compliance personnel who provide services to the fund. The Board also considered, among other things, the Subadvisor's compliance program and any disciplinary history. The Board also considered the Subadvisor's risk assessment and monitoring process. The Board reviewed the Subadvisor's regulatory history, including whether it was involved in any regulatory actions or investigations as well as material litigation, and any settlements and amelioratory actions undertaken, as appropriate. The Board noted that the Advisor conducts regular, periodic reviews of the Subadvisor and its operations, including regarding investment processes and organizational and staffing matters. The Board also noted that the fund's CCO and his staff conduct regular, periodic compliance reviews with the Subadvisor and present reports to the Independent Trustees regarding the same, which includes evaluating the regulatory compliance systems of the Subadvisor and procedures reasonably designed to assure compliance with the federal securities laws. The Board also took into account the financial condition of the Subadvisor.

The Board considered the Subadvisor's investment process and philosophy. The Board took into account that the Subadvisor's responsibilities include the development and maintenance of an investment program for the fund that is

consistent with the fund's investment objective, the selection of investment securities and the placement of orders for the purchase and sale of such securities, as well as the implementation of compliance controls related to performance of these services. The Board also received information with respect to the Subadvisor's brokerage policies and practices, including with respect to best execution and soft dollars.

Subadvisor compensation. In considering the cost of services to be provided by the Subadvisor and the profitability to the Subadvisor of its relationship with the fund, the Board noted that the fees under the Subadvisory Agreement are paid by the Advisor and not the fund. The Board also considered any potential conflicts of interest the Advisor might have in connection with the Subadvisory Agreement.

In addition, the Board considered other potential indirect benefits that the Subadvisor and its affiliates may receive from the Subadvisor's relationship with the fund, such as the opportunity to provide advisory services to additional funds in the John Hancock Fund Complex and reputational benefits.

Subadvisory fees. The Board considered that the fund pays an advisory fee to the Advisor and that, in turn, the Advisor pays subadvisory fees to the Subadvisor. As noted above, the Board also considered the fund's subadvisory fee as compared to similarly situated investment companies deemed to be comparable to the fund as included in the report prepared by the independent third party provider of fund data, to the extent available. The Board noted that the limited size of the Lipper peer group was not sufficient for comparative purposes. The Board also took into account the subadvisory fee paid by the Advisor to the Subadvisor with respect to the fund and compared them to fees charged by the Subadvisor to manage other subadvised portfolios and portfolios not subject to regulation under the 1940 Act, as applicable.

Subadvisor performance. As noted above, the Board considered the fund's performance as compared to the fund's peer group and the benchmark index and noted that the Board reviews information about the fund's performance results at its regularly scheduled meetings. The Board noted the Advisor's expertise and resources in monitoring the performance, investment style and risk-adjusted performance of the Subadvisor. The Board was mindful of the Advisor's focus on the Subadvisor's performance. The Board also noted the Subadvisor's long-term performance record for similar accounts, as applicable.

The Board's decision to approve the Subadvisory Agreement was based on a number of determinations, including the following:

- (1) the Subadvisor has extensive experience and demonstrated skills as a manager;
- (2) the fund's performance, based on net asset value, has generally been in line with or outperformed the historical performance of comparable funds and the fund's benchmark; and
- (3) the subadvisory fees are reasonable in relation to the level and quality of services being provided.

* * *

Based on the Board's evaluation of all factors that the Board deemed to be material, including those factors described above, the Board, including the Independent Trustees, concluded that renewal of the Advisory Agreement and the Subadvisory Agreement would be in the best interest of the fund and its shareholders. Accordingly, the Board, and the Independent Trustees voting separately, approved the Advisory Agreement and Subadvisory Agreement for an additional one-year period.

Trustees and Officers

This chart provides information about the Trustees and Officers who oversee your John Hancock fund. Officers elected by the Trustees manage the day-to-day operations of the fund and execute policies formulated by the Trustees.

Independent Trustees

Name, year of birth Position(s) held with fund Principal occupation(s) and other directorships during past 5 years	Trustee Number of John of the Hancock funds Trust overseen by since¹ Trustee
---	--

James M. Oates, Born: 1946 2012233

Trustee and Chairperson of the Board
 Managing Director, Wydown Group
 (financial consulting firm) (since 1994);
 Chairman and Director, Emerson
 Investment Management, Inc. (since
 2000); Independent Chairman, Hudson
 Castle Group, Inc. (formerly IBEX
 Capital Markets, Inc.) (financial
 services company) (1997-2011);
 Director, Stifel Financial (since 1996);
 Director, Investor Financial Services
 Corporation (1995-2007); Director,
 Connecticut River Bancorp
 (1998-2014); Director, Virtus Funds
 (formerly Phoenix Mutual Funds)
 (since 1988). Trustee and Chairperson
 of the Board, John Hancock Collateral
 Trust and John Hancock
 Exchange-Traded Fund Trust (since
 2015); Trustee and Chairperson of the
 Board, John Hancock retail funds³
 (since 2012); Trustee (2005-2006 and
 since 2012) and Chairperson of the
 Board (since 2012), John Hancock
 Funds III; Trustee (since 2004) and
 Chairperson of the Board (since 2005),
 John Hancock Variable Insurance
 Trust; Trustee and Chairperson of the
 Board, John Hancock Funds II (since
 2005).

Charles L. Bardelis,² Born: 1941 2012233

Trustee

Director, Island Commuter Corp. (marine

transport). Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015); Trustee, John Hancock retail funds³ (since 2012); Trustee, John Hancock Funds III (2005-2006 and since 2012); Trustee, John Hancock Variable Insurance Trust (since 1988); Trustee, John Hancock Funds II (since 2005).

Peter S. Burgess,² Born: 1942 2012233

Trustee

Consultant (financial, accounting, and auditing matters) (since 1999); Certified Public Accountant; Partner, Arthur Andersen (independent public accounting firm) (prior to 1999); Director, Lincoln Educational Services Corporation (since 2004); Director, Symetra Financial Corporation (2010-2016); Director, PMA Capital Corporation (2004-2010). Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015); Trustee, John Hancock retail funds³ (since 2012); Trustee, John Hancock Funds III (2005-2006 and since 2012); Trustee, John Hancock Variable Insurance Trust and John Hancock Funds II (since 2005).

William H. Cunningham, Born: 1944 2002233

Trustee

Professor, University of Texas, Austin, Texas (since 1971); former Chancellor, University of Texas System and former President of the University of Texas, Austin, Texas; Chairman (since 2009) and Director (since 2006), Lincoln National Corporation (insurance); Director, Southwest Airlines (since 2000); former Director, LIN Television (2009-2014). Trustee, John Hancock retail funds³ (since 1986); Trustee, John Hancock Variable Insurance Trust (since 2012); Trustee, John Hancock Funds II (2005-2006 and since 2012); Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015).

Grace K. Fey, Born: 1946 2012233

Trustee

Chief Executive Officer, Grace Fey Advisors (since 2007); Director and Executive Vice President, Frontier Capital Management Company (1988-2007); Director, Fiduciary Trust (since 2009). Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015); Trustee, John Hancock retail funds³ (since 2012); Trustee, John Hancock Variable Insurance Trust and John Hancock Funds II (since 2008).

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Independent Trustees (continued)

Name, year of birth Position(s) held with fund Principal occupation(s) and other directorships during past 5 years	Trustee of the Trust since¹	Number of John Hancock funds overseen by Trustee
---	---	---

Theron S. Hoffman,² Born: 1947 2012233

Trustee

Chief Executive Officer, T. Hoffman Associates, LLC (consulting firm) (since 2003); Director, The Todd Organization (consulting firm) (2003-2010); President, Westport Resources Management (investment management consulting firm) (2006-2008); Senior Managing Director, Partner, and Operating Head, Putnam Investments (2000-2003); Executive Vice President, The Thomson Corp. (financial and legal information publishing) (1997-2000). Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015); Trustee, John Hancock retail funds³ (since 2012); Trustee, John Hancock Variable Insurance Trust and John Hancock Funds II (since 2008).

Deborah C. Jackson, Born: 1952 2008233

Trustee

President, Cambridge College, Cambridge, Massachusetts (since 2011); Chief Executive Officer, American Red Cross of Massachusetts Bay (2002-2011); Board of Directors of Eastern Bank Corporation (since 2001); Board of Directors of Eastern Bank Charitable Foundation (since 2001); Board of Directors of American Student Assistance Corporation (1996-2009); Board of Directors of Boston Stock Exchange (2002-2008); Board of Directors of Harvard Pilgrim Healthcare (health benefits company) (2007-2011). Trustee, John Hancock retail funds³ (since 2008); Trustee, John Hancock Variable Insurance Trust and John Hancock Funds II (since 2012); Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust

(since 2015).

Hassell H. McClellan, Born: 1945 2012233

Trustee

Trustee, Virtus Variable Insurance Trust (formerly Phoenix Edge Series Funds) (since 2008); Director, The Barnes Group (since 2010); Associate Professor, The Wallace E. Carroll School of Management, Boston College (retired 2013). Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015); Trustee, John Hancock retail funds³ (since 2012); Trustee, John Hancock Funds III (2005-2006 and since 2012); Trustee, John Hancock Variable Insurance Trust and John Hancock Funds II (since 2005).

Steven R. Pruchansky, Born: 1944 2002233

Trustee and Vice Chairperson of the Board

Chairman and Chief Executive Officer, Greenscapes of Southwest Florida, Inc. (since 2000); Director and President, Greenscapes of Southwest Florida, Inc. (until 2000); Member, Board of Advisors, First American Bank (until 2010); Managing Director, Jon James, LLC (real estate) (since 2000); Partner, Right Funding, LLC (since 2014); Director, First Signature Bank & Trust Company (until 1991); Director, Mast Realty Trust (until 1994); President, Maxwell Building Corp. (until 1991). Trustee (since 1992) and Chairperson of the Board (2011-2012), John Hancock retail funds³; Trustee and Vice Chairperson of the Board, John Hancock retail funds³ John Hancock Variable Insurance Trust, and John Hancock Funds II (since 2012); Trustee, and Vice Chairperson of the Board, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015).

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Independent Trustees (continued)

Name, year of birth <i>Position(s) held with fund</i>	Trustee	Number of John
Principal occupation(s) and other directorships during past 5 years	of the Trust since¹	Hancock funds overseen by Trustee

Gregory A. Russo, Born: 1949 2008233

Trustee

Director and Audit Committee Chairman (since 2012), and Member, Audit Committee and Finance Committee (since 2011), NCH Healthcare System, Inc. (holding company for multi-entity healthcare system); Director and Member (since 2012) and Finance Committee Chairman (since 2014), The Moorings, Inc. (nonprofit continuing care community); Vice Chairman, Risk & Regulatory Matters, KPMG LLP (KPMG) (2002-2006); Vice Chairman, Industrial Markets, KPMG (1998-2002); Chairman and Treasurer, Westchester County, New York, Chamber of Commerce (1986-1992); Director, Treasurer, and Chairman of Audit and Finance Committees, Putnam Hospital Center (1989-1995); Director and Chairman of Fundraising Campaign, United Way of Westchester and Putnam Counties, New York (1990-1995). Trustee, John Hancock retail funds³ (since 2008); Trustee, John Hancock Variable Insurance Trust and John Hancock Funds II (since 2012); Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015).

Non-Independent Trustees⁴

Name, year of birth <i>Position(s) held with fund</i>	Trustee	Number of John
Principal occupation(s) and other directorships during past 5 years	of the Trust since¹	Hancock funds overseen by Trustee

James R. Boyle, Born: 1959 2015233

Non-Independent Trustee

Chairman and Chief Executive Officer, Zillion Group, Inc. (formerly HealthFleet, Inc.) (healthcare) (since 2014); Executive Vice President and Chief Executive Officer, U.S. Life Insurance Division of Genworth Financial, Inc. (insurance) (January 2014-July 2014); Senior Executive Vice President, Manulife Financial Corporation, President and Chief Executive Officer, John Hancock (1999-2012); Chairman and Director, John Hancock Advisers, LLC, John Hancock Funds, LLC, and John Hancock Investment Management Services, LLC (2005-2010). Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015); Trustee, John Hancock retail funds³ (2005-2010; 2012-2014 and since 2015); Trustee, John Hancock Variable Insurance Trust and John Hancock Funds II (2005-2014 and since 2015).

Craig Bromley, Born: 1966 2012233

Non-Independent Trustee

President, John Hancock Financial Service (since 2012); Senior Executive Vice President and General Manager, U.S. Division, Manulife Financial Corporation (since 2012); President and Chief Executive Officer, Manulife Insurance Company (Manulife Japan) (2005-2012, including prior positions). Trustee, John Hancock retail funds,³ John Hancock Variable Insurance Trust, and John Hancock Funds II (since 2012); Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015).

Warren A. Thomson, Born: 1955 2012233

Non-Independent Trustee

Senior Executive Vice President and Chief Investment Officer, Manulife Financial

Corporation and The Manufacturers Life Insurance Company (since 2009); Chairman, Manulife Asset Management (since 2001, including prior positions); Director and Chairman, Manulife Asset Management Limited (since 2006); Director and Chairman, Hancock Natural Resources Group, Inc. (since 2013). Trustee, John Hancock retail funds,³ John Hancock Variable Insurance Trust, and John Hancock Funds II (since 2012); Trustee, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2015).

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Principal officers who are not Trustees

Name, year of birth	Officer
<i>Position(s) held with fund</i>	of the
Principal occupation(s)	Trust
during past 5 years	since

Andrew G. Arnott, Born: 1971 2009

President

Senior Vice President, John Hancock Financial Services (since 2009); Director and Executive Vice President, John Hancock Advisers, LLC (since 2005, including prior positions); Director and Executive Vice President, John Hancock Investment Management Services, LLC (since 2006, including prior positions); President, John Hancock Funds, LLC (since 2004, including prior positions); President, John Hancock retail funds,³ John Hancock Variable Insurance Trust, and John Hancock Funds II (since 2007, including prior positions); President, John Hancock Collateral Trust (since 2015); President, John Hancock Exchange-Traded Fund Trust (since 2014).

John J. Danello, Born: 1955 2006

Senior Vice President, Secretary, and Chief Legal Officer

Vice President and Chief Counsel, John Hancock Wealth Management (since 2005); Senior Vice President (since 2007) and Chief Legal Counsel (2007-2010), John Hancock Funds, LLC and The Berkeley Financial Group, LLC; Senior Vice President (since 2006, including prior positions) and Chief Legal Officer and Secretary (since 2014), John Hancock retail funds,³ John Hancock Funds II and John Hancock Variable Insurance Trust; Senior Vice President, Secretary

and Chief Legal Officer, John Hancock Collateral Trust (since 2015) and John Hancock Exchange-Traded Fund Trust (since 2014); Vice President, John Hancock Life & Health Insurance Company (since 2009); Vice President, John Hancock Life Insurance Company (USA) and John Hancock Life Insurance Company of New York (since 2010); and Senior Vice President, Secretary and Chief Legal Counsel (2007-2014, including prior positions) of John Hancock Advisers, LLC and John Hancock Investment Management Services, LLC.

Francis V. Knox, Jr., Born: 1947 2005
Chief Compliance Officer
Vice President, John Hancock Financial Services (since 2005); Chief Compliance Officer, John Hancock retail funds,³ John Hancock Variable Insurance Trust, John Hancock Funds II, John Hancock Advisers, LLC, and John Hancock Investment Management Services, LLC (since 2005); Chief Compliance Officer, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2014).

Charles A. Rizzo, Born: 1957 2007
Chief Financial Officer
Vice President, John Hancock Financial Services (since 2008); Senior Vice President, John Hancock Advisers, LLC and John Hancock Investment Management Services, LLC (since 2008); Chief Financial Officer, John Hancock retail funds,³ John Hancock Variable Insurance Trust and John Hancock Funds II (since 2007); Chief Financial Officer, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund

Trust (since 2014).

Salvatore Schiavone, Born: 1965 2010

Treasurer

Assistant Vice President, John Hancock Financial Services (since 2007); Vice President, John Hancock Advisers, LLC and John Hancock Investment Management Services, LLC (since 2007); Treasurer, John Hancock retail funds³ (since 2007, including prior positions); Treasurer, John Hancock Variable Insurance Trust and John Hancock Funds II (2007-2009 and since 2010, including prior positions); Treasurer, John Hancock Collateral Trust and John Hancock Exchange-Traded Fund Trust (since 2014).

The business address for all Trustees and Officers is 601 Congress Street, Boston, Massachusetts 02210-2805.

Mr. Boyle, Mr. Cunningham, Ms. Fey, Mr. McClellan, and Mr. Russo serve as Trustees for a term expiring in 2017; Mr. Bardelis, Mr. Burgess, Mr. Hoffman, and Mr. Thomson serve as Trustees for a term expiring in 2018; and Mr. Bromley, Ms. Jackson, Mr. Oates, and Mr. Pruchansky serve as Trustees for a term expiring in 2019. Mr. Boyle has served as Trustee at various times prior to date listed in the table.

² Member of the Audit Committee.

³ "John Hancock retail funds" comprises John Hancock Funds III and 38 other John Hancock funds consisting of 28 series of other John Hancock trusts and 10 closed-end funds.

⁴ The Trustee is a Non-Independent Trustee due to current or former positions with the Advisor and certain of its affiliates.

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More information

Trustees

James M. Oates, *Chairperson*

Steven R. Pruchansky, *Vice*

Chairperson

Charles L. Bardelis*

James R. Boyle

Craig Bromley

Peter S. Burgess*

William H. Cunningham

Grace K. Fey

Theron S. Hoffman*

Deborah C. Jackson

Hassell H. McClellan

Gregory A. Russo

Warren A. Thomson

Investment advisor

John Hancock Advisers, LLC

Subadvisor

John Hancock Asset Management a division of Manulife Asset Management (US) LLC

Custodian

State Street Bank and Trust Company

Transfer agent

Computershare Shareowner Services, LLC

Legal counsel

K&L Gates LLP

Independent registered public accounting firm

PricewaterhouseCoopers LLP

Stock symbol

Listed New York Stock Exchange: HPF

Officers

Andrew G. Arnott

President

John J. Danello

Senior Vice President, Secretary,

and Chief Legal Officer

Francis V. Knox, Jr.

Chief Compliance Officer

Charles A. Rizzo

Chief Financial Officer

Salvatore Schiavone

Treasurer

*Member of the Audit Committee

Non-Independent Trustee

For shareholder assistance refer to page 30

You can also contact us:

Regular mail:

800-852-0218

jhinvestments.com

Computershare

P.O. Box 30170

College Station, TX 77842-3170

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The fund's proxy voting policies and procedures, as well as the fund's proxy voting record for the most recent twelve-month period ended June 30, are available free of charge on the Securities and Exchange Commission (SEC) website at sec.gov or on our website.

The fund's complete list of portfolio holdings, for the first and third fiscal quarters, is filed with the SEC on Form N-Q. The fund's Form N-Q is available on our website and the SEC's website, sec.gov, and can be reviewed and copied (for a fee) at the SEC's Public Reference Room in Washington, DC. Call 800-SEC-0330 to receive information on the operation of the SEC's Public Reference Room.

We make this information on your fund, as well as **monthly portfolio holdings**, and other fund details available on our website at jhinvestments.com or by calling 800-852-0218.

The report is certified under the Sarbanes-Oxley Act, which requires closed-end funds and other public companies to affirm that, to the best of their knowledge, the information in their financial reports is fairly and accurately stated in all material respects.

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John Hancock family of funds

DOMESTIC EQUITY FUNDS

Balanced
 Blue Chip Growth
 Classic Value
 Disciplined Value
 Disciplined Value Mid Cap
 Equity Income
 Fundamental All Cap Core
 Fundamental Large Cap Core
 Fundamental Large Cap Value
 New Opportunities
 Small Cap Value
 Small Company
 Strategic Growth
 U.S. Equity
 U.S. Global Leaders Growth
 Value Equity

INCOME FUNDS

Bond
 California Tax-Free Income
 Core High Yield
 Emerging Markets Debt
 Floating Rate Income
 Focused High Yield
 Global Income
 Government Income
 High Yield Municipal Bond
 Income
 Investment Grade Bond
 Money Market
 Short Duration Credit Opportunities
 Spectrum Income
 Strategic Income Opportunities
 Tax-Free Bond

GLOBAL AND INTERNATIONAL EQUITY FUNDS

Disciplined Value International
 Emerging Markets
 Emerging Markets Equity

ALTERNATIVE AND SPECIALTY FUNDS

Absolute Return Currency
 Alternative Asset Allocation
 Enduring Assets

Global Equity	Financial Industries
Global Shareholder Yield	Global Absolute Return Strategies
Greater China Opportunities	Global Conservative Absolute Return
International Core	Global Focused Strategies
International Growth	Global Real Estate
International Small Company	Natural Resources
International Value Equity	Redwood
	Regional Bank
	Seaport
	Technical Opportunities

The fund's investment objectives, risks, charges, and expenses are included in the prospectus and should be considered carefully before investing. For a prospectus, contact your financial professional, call John Hancock Investments at 800-852-0218, or visit the fund's website at jhinvestments.com. Please read the prospectus carefully before investing or sending money.

ASSET ALLOCATION

Income Allocation Fund

Lifestyle Aggressive Portfolio

Lifestyle Balanced Portfolio

Lifestyle Conservative Portfolio

Lifestyle Growth Portfolio

Lifestyle Moderate Portfolio

Retirement Choices Portfolios

Retirement Living Portfolios

Retirement Living II Portfolios

ENVIRONMENTAL, SOCIAL, AND GOVERNANCE FUNDS

ESG All Cap Core

ESG Large Cap Core

CLOSED-END FUNDS

Financial Opportunities

EXCHANGE-TRADED FUNDS

Hedged Equity & Income

Income Securities Trust

John Hancock Multifactor Consumer Discretionary ETF

Investors Trust

John Hancock Multifactor Consumer Staples ETF

Preferred Income

John Hancock Multifactor Energy ETF

Preferred Income II

John Hancock Multifactor Financials ETF

Preferred Income III

John Hancock Multifactor Healthcare ETF

Premium Dividend

John Hancock Multifactor Industrials ETF

Tax-Advantaged Dividend Income

John Hancock Multifactor Large Cap ETF

Tax-Advantaged Global Shareholder Yield

John Hancock Multifactor Materials ETF

John Hancock Multifactor Mid Cap ETF

John Hancock Multifactor Technology ETF

John Hancock Multifactor Utilities ETF

John Hancock Multifactor ETF shares are bought and sold at market price (not NAV), and are not individually

*redeemed
from the fund. Brokerage commissions will reduce returns.*

John Hancock ETFs are distributed by Foreside Fund Services, LLC, and are subadvised by Dimensional Fund Advisors LP.

Foreside is not affiliated with John Hancock Funds, LLC or Dimensional Fund Advisors LP.

Dimensional Fund Advisors LP receives compensation from John Hancock in connection with licensing rights to the John Hancock Dimensional indexes. Dimensional Fund Advisors LP does not sponsor, endorse, or sell, and makes no representation as to the advisability of investing in, John Hancock Multifactor ETFs.

John Hancock Investments

A trusted brand

John Hancock Investments is a premier asset manager representing one of America's most trusted brands, with a heritage of financial stewardship dating back to 1862. Helping our shareholders pursue their financial goals is at the core of everything we do. It's why we support the role of professional financial advice and operate with the highest standards of conduct and integrity.

A better way to invest

We build funds based on investor needs, then search the world to find proven portfolio teams with specialized expertise in those strategies. As a manager of managers, we apply vigorous oversight to ensure that they continue to meet our uncompromising standards and serve the best interests of our shareholders.

Results for investors

Our unique approach to asset management enables us to provide a diverse set of investments backed by some of the world's best managers, along with strong risk-adjusted returns across asset classes.

John Hancock
Advisers, LLC
601 Congress Street n
Boston, MA
02210-2805
800-852-0218 n
jhinvestments.com
MF309265^{P11A 7/16}
9/16

ITEM 2. CODE OF ETHICS.

As of the end of the period, July 31, 2016, the registrant has adopted a code of ethics, as defined in Item 2 of Form N-CSR, that applies to its Chief Executive Officer, Chief Financial Officer and Treasurer (respectively, the principal executive officer, the principal financial officer and the principal accounting officer, the "Senior Financial Officers"). A copy of the code of ethics is filed as an exhibit to this Form N-CSR.

ITEM 3. AUDIT COMMITTEE FINANCIAL EXPERT.

Peter S. Burgess is the audit committee financial expert and is “independent”, pursuant to general instructions on Form N-CSR Item 3.

ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

(a) Audit Fees

The aggregate fees billed for professional services rendered by the principal accountant(s) for the audit of the registrant’s annual financial statements or services that are normally provided by the accountant(s) in connection with statutory and regulatory filings or engagements amounted to \$41,695 for the fiscal year ended July 31, 2016 and \$40,651 for the fiscal year ended July 31, 2015. These fees were billed to the registrant and were approved by the registrant’s audit committee.

(b) Audit-Related Services

Audit related fees billed to the registrant or to the registrant's investment adviser (not including any sub-adviser whose role is primarily portfolio management and is subcontracted with or overseen by another investment adviser), and any entity controlling, controlled by, or under common control with the adviser that provides ongoing services to the registrant ("control affiliates") amounted to \$0 for the fiscal year ended July 31, 2016 and \$0 for the fiscal year ended July 31, 2015. Additionally, amounts billed to control affiliates were \$103,474 and \$103,940 for the fiscal years ended July 31, 2016 and 2015, respectively.

(c) Tax Fees

The aggregate fees billed for professional services rendered by the principal accountant(s) for the tax compliance, tax advice and tax planning (“tax fees”) amounted to \$3,648 for the fiscal year ended July 31, 2016 and \$3,500 for the fiscal year ended July 31, 2015. The nature of the services comprising the tax fees was the review of the registrant’s tax returns and tax distribution requirements. These fees were billed to the registrant and were approved by the registrant’s audit committee.

(d) All Other Fees

The all other fees billed to the registrant for products and services provided by the principal accountant were \$111 for the fiscal year ended July 31, 2016 and \$216 for the fiscal year ended July 31, 2015. The nature of the services comprising the all other fees was mainly tax consulting work. These fees were approved by the registrant’s audit committee.

(e)(1) Audit Committee Pre-Approval Policies and Procedures:

The trust's Audit Committee must pre-approve all audit and non-audit services provided by the independent registered public accounting firm (the "Auditor") relating to the operations or financial reporting of the funds. Prior to the commencement of any audit or non-audit services to a fund, the Audit Committee reviews the services to determine whether they are appropriate and permissible under applicable law.

The trust's Audit Committee has adopted policies and procedures to, among other purposes, provide a framework for the Committee's consideration of audit-related and non-audit services by the Auditor. The policies and procedures require that any audit-related and non-audit service

provided by the Auditor and any non-audit service provided by the Auditor to a fund service provider that relates directly to the operations and financial reporting of a fund are subject to approval by the Audit Committee before such service is provided. Audit-related services provided by the Auditor that are expected to exceed \$25,000 per instance/per fund are subject to specific pre-approval by the Audit Committee. Tax services provided by the Auditor that are expected to exceed \$30,000 per instance/per fund are subject to specific pre-approval by the Audit Committee.

All audit services, as well as the audit-related and non-audit services that are expected to exceed the amounts stated above, must be approved in advance of provision of the service by formal resolution of the Audit Committee. At the regularly scheduled Audit Committee meetings, the Committee reviews a report summarizing the services, including fees, provided by the Auditor.

(e)(2) Services approved pursuant to paragraph (c)(7)(i)(C) of Rule 2-01 of Regulation S-X:

Audit-Related Fees, Tax Fees and All Other Fees:

There were no amounts that were approved by the Audit Committee pursuant to the de minimis exception under Rule 2-01 of Regulation S-X.

(f) According to the registrant's principal accountant, for the fiscal year ended July 31, 2016, the percentage of hours spent on the audit of the registrant's financial statements for the most recent fiscal year that were attributed to work performed by persons who were not full-time, permanent employees of principal accountant was less than 50%.

(g) The aggregate non-audit fees billed by the registrant's accountant(s) for services rendered to the registrant and rendered to the registrant's control affiliates for each of the last two fiscal years of the registrant were \$5,670,260 for the fiscal year ended July 31, 2016 and \$6,294,665 for the fiscal year ended July 31, 2015.

(h) The audit committee of the registrant has considered the non-audit services provided by the registrant's principal

accountant(s) to the control affiliates and has determined that the services that were not pre-approved are compatible with maintaining the principal accountant(s)' independence.

ITEM 5. AUDIT COMMITTEE OF LISTED REGISTRANTS.

The registrant has a separately-designated standing audit committee comprised of independent trustees. The members of the audit committee are as follows:

Peter S. Burgess – Chairman

Charles L. Bardelis

Theron S. Hoffman

ITEM 6. SCHEDULE OF INVESTMENTS.

(a)	Not applicable.
(b)	Not applicable.

ITEM 7. DISCLOSURE OF PROXY VOTING POLICIES AND PROCEDURES FOR CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

See attached exhibit “Proxy Voting Policies and Procedures”.

ITEM 8. PORTFOLIO MANAGERS OF CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

Information about the portfolio managers

Management Biographies

Below is a list of the John Hancock Asset Management a division of Manulife Asset Management (US) LLC (“John Hancock Asset Management”) portfolio managers who share joint responsibility for the day-to-day investment management of the Fund. It provides a brief summary of their business careers over the past five years. Information is provided as of July 31, 2016.

Gregory K. Phelps

Senior Managing Director and Senior Portfolio Manager, John Hancock Asset Management since 2005

Began business career in 1981

Managed the fund since 2002 (inception)

Joseph Bozoyan, CFA

Portfolio Manager

Managing Director and Senior Investment Analyst, Intrinsic Value Team,

John Hancock Asset Management (2014–2015)

Director and Senior Investment Manager, Intrinsic Value Team,

John Hancock Asset Management (2011–2014)

Began business career in 1993

Managed the fund since 2015

Other Accounts the Portfolio Managers are Managing

The table below indicates for each portfolio manager information about the accounts over which the portfolio manager has day-to-day investment responsibility. All information on the number of accounts and total assets in the table is as of July 31, 2016. For purposes of the table, “Other Pooled Investment Vehicles” may include investment partnerships and group trusts, and “Other Accounts” may include separate accounts for institutions or individuals, insurance company general or separate accounts, pension funds and other similar institutional accounts.

Portfolio Manager Name

Other Accounts Managed by the Portfolio Manager

Gregory K. Phelps

Other Registered Investment Companies: Four (4) funds with total assets of approximately \$4.4 billion

Other Pooled Investment Vehicles: None

Other Accounts: None

Other Registered Investment Companies: Four (4) funds with total assets of approximately \$4.4 billion

Joseph Bozoyan, CFA

Other Pooled Investment Vehicles: None

Other Accounts: None

Number and value of accounts within the total accounts that are subject to a performance-based advisory fee: None .

Conflicts of Interest. When a portfolio manager is responsible for the management of more than one account, the potential arises for the portfolio manager to favor one account over another. The principal types of potential conflicts of interest that may arise are discussed below. For the reasons outlined below, the Fund does not believe that any material conflicts are likely to arise out of a portfolio manager's responsibility for the management of the Fund as well as one or more other accounts. The Advisor and Subadvisor have adopted procedures that are intended to monitor compliance with the policies referred to in the following paragraphs. Generally, the risks of such conflicts of interests are increased to the extent that a portfolio manager has a financial incentive to favor one account over another. The Advisor and Subadvisor have structured their compensation arrangements in a manner that is intended to limit such potential for conflicts of interests. See "Compensation of Portfolio Managers" below.

A portfolio manager could favor one account over another in allocating new investment opportunities that have limited supply, such as initial public offerings and private placements. If, for example, an initial public offering that was expected to appreciate in value significantly shortly after the offering was allocated to a single account, that account may be expected to have better investment performance than other accounts that did not receive an allocation on the initial public offering. The Subadvisor has policies that require a portfolio manager to allocate such investment opportunities in an equitable manner and generally to allocate such investments proportionately among all accounts with similar investment objectives.

A portfolio manager could favor one account over another in the order in which trades for the accounts are placed. If a portfolio manager determines to purchase a security for more than one account in an aggregate amount that may influence the market price of the security, accounts that purchased or sold the security first may receive a more favorable price than accounts that made subsequent transactions. The less liquid the market for the security or the greater the percentage that the proposed aggregate purchases or sales represent of average daily trading volume, the greater the potential for accounts that make subsequent purchases or sales to receive a less favorable price. When a portfolio manager intends to trade the same security for more than one account, the policies of the Subadvisor generally require that such trades be "bunched," which means that the trades for the individual accounts are aggregated and each account receives the same price. There are some types of accounts as to which bunching may not be possible for contractual reasons (such as directed brokerage arrangements). Circumstances may also arise where the trader believes that bunching the orders may not result in the best possible price. Where those accounts or circumstances are involved, the Subadvisor will place the order in a manner intended to result in as favorable a price as possible for such client.

A portfolio manager could favor an account if the portfolio manager's compensation is tied to the performance of that

account rather than all accounts managed by the portfolio manager. If, for example, the portfolio manager receives a bonus based upon the performance of certain accounts relative to a benchmark while other accounts are disregarded for this purpose, the portfolio manager will have a financial incentive to seek to have the accounts that determine the portfolio manager's bonus achieve the best possible performance to the possible detriment of other accounts. Similarly, if the Subadvisor receives a performance-based advisory fee, the portfolio manager may favor that account, whether or not the performance of that account directly determines the portfolio manager's compensation. The investment performance on specific accounts is not a factor in determining the portfolio manager's compensation. See "Compensation of Portfolio Managers" below. Neither the Advisor nor the Subadvisor receives a performance-based fee with respect to any of the accounts managed by the portfolio managers.

A portfolio manager could favor an account if the portfolio manager has a beneficial interest in the account, in order to benefit a large client or to compensate a client that had poor returns. For example, if the portfolio manager held an interest in an investment partnership that was one of the accounts managed by the portfolio manager, the portfolio manager would have an economic incentive to favor the account in which the portfolio manager held an interest. The Subadvisor imposes certain trading restrictions and reporting requirements for accounts in which a portfolio manager or certain family members have a personal interest in order to confirm that such accounts are not favored over other accounts.

If the different accounts have materially and potentially conflicting investment objectives or strategies, a conflict of interest may arise. For example, if a portfolio manager purchases a security for one account and sells the same security short for another account, such trading pattern could disadvantage either the account that is long or short. In making portfolio manager assignments, the Subadvisor seeks to avoid such potentially conflicting situations. However, where a portfolio manager is responsible for accounts with differing investment objectives and policies, it is possible that the portfolio manager will conclude that it is in the best interest of one account to sell a portfolio security while another account continues to hold or increase the holding in such security.

Compensation of Portfolio Managers. The Subadvisor has adopted a system of compensation for portfolio managers and others involved in the investment process that is applied systematically among investment professionals. At the Subadvisor, the structure of compensation of investment professionals is currently composed of the following basic components: base salary and an annual investment bonus plan as well as customary benefits that are offered generally to all full-time employees of the Subadvisor. A limited number of senior investment professionals, who serve as officers of both the Subadvisor and its parent company, may also receive options or restricted stock grants of common shares of Manulife Financial. The following describes each component of the compensation package for the individuals identified as a portfolio manager for the Funds.

Base salary. Base compensation is fixed and normally reevaluated on an annual basis. The Subadvisor seeks to set compensation at market rates, taking into account the experience and responsibilities of the investment professional.

Investment Bonus Plan. Only investment professionals are eligible to participate in the Investment Bonus Plan. Under the plan, investment professionals are eligible for an annual bonus. The plan is intended to provide a competitive level of annual bonus compensation that is tied to the investment professional achieving superior investment performance and aligns the financial incentives of the Subadvisor and the investment professional. Any bonus under the plan is completely discretionary, with a maximum annual bonus that may be well in excess of base salary. Payout of a portion of this bonus may be deferred for up to five years. While the amount of any bonus is discretionary, the following factors are generally used in determining bonuses under the plan:

Investment Performance: The investment performance of all accounts managed by the investment professional over one- and three-year periods are considered, and no specific benchmark is used to measure performance. With respect to fixed income accounts, relative yields are also used to measure performance.

The Profitability of the Subadvisor: The profitability of the Subadvisor and its parent company are also considered in determining bonus awards.

Non-Investment Performance: To a lesser extent, intangible contributions, including the investment professional's support of client service and sales

activities, new fund/strategy idea generation, professional growth and development, and management, where applicable, are also evaluated when determining bonus awards.

Options and Stock Grants. A limited number of senior investment professionals may receive options to purchase shares of Manulife Financial stock. Generally, such option would permit the investment professional to purchase a set amount of stock at the market price on the date of grant. The option can be exercised for a set period (normally a number of years or until termination of employment) and the investment professional would exercise the option if the market value of Manulife Financial stock increases. Some investment professionals may receive restricted stock grants, where the investment professional is entitled to receive the stock at no or nominal cost, provided that the stock is forgone if the investment professional's employment is terminated prior to a vesting date.

The Subadvisor also permits investment professionals to participate on a voluntary basis in a deferred compensation plan, under which the investment professional may elect on an annual basis to defer receipt of a portion of their compensation until retirement. Participation in the plan is voluntary.

Share Ownership by Portfolio Managers. The following table indicates as of July 31, 2016 the value, within the indicated range, of shares beneficially owned by the portfolio managers in the Fund.

A — \$ 0

B — \$ 1--\$10,000

C — \$ 10,001--\$50,000

D — \$ 50,001--\$100,000

E — \$ 100,001--\$500,000

F — \$ 500,001--\$1,000,000

G — More than \$1 million

Portfolio Manager	Range of Beneficial Ownership
Gregory K. Phelps	A
Joseph Bozoyan, CFA	A

ITEM 9. PURCHASES OF EQUITY SECURITIES BY CLOSED-END MANAGEMENT INVESTMENT

COMPANY AND AFFILIATED PURCHASERS.

None.

ITEM 10. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS.

(a) The registrant has adopted procedures by which shareholders may recommend nominees to the registrant's Board of Trustees. A copy of the procedures is filed as an exhibit to this Form N-CSR. See attached "John Hancock Funds – Nominating and Governance Committee Charter".

ITEM 11. 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-CSR, the registrant's principal executive officer and principal financial 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 most recent fiscal half-year (the registrant's second fiscal half-year in the case of an annual 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 for Senior Financial Officers is attached.

(a)(2) Separate certifications for the registrant's principal executive officer and principal financial officer, as required by Section 302 of the Sarbanes-Oxley Act of 2002 and Rule 30a-2(a) under the Investment Company Act of 1940, are attached.

(b)(1) Separate certifications for the registrant's principal executive officer and principal financial officer, as required by 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, and Rule 30a-2(b) under the Investment Company Act of 1940, are attached. The certifications furnished pursuant to this paragraph are not deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, or otherwise subject to the liability of that section. Such certifications are not deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Securities Exchange Act of 1934, except to the extent that the Registrant specifically incorporates them by reference.

(c)(1) Proxy Voting Policies and Procedures are attached.

(c)(2) Submission of Matters to a Vote of Security Holders is attached. See attached "John Hancock Funds – Nominating and Governance Committee Charter".

(c)(3) Contact person at the registrant.

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

/s/ Andrew Arnott
Andrew Arnott
President

Date: September 16, 2016

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.

/s/ Andrew Arnott
Andrew Arnott
President

Date: September 16, 2016

/s/ Charles A. Rizzo
Charles A. Rizzo
Chief Financial Officer

Date: September 16, 2016
