

JOHN HANCOCK
Funds II

8.31.2020

Annual Report

Beginning on January 1, 2021, as permitted by regulations adopted by the Securities and Exchange Commission, paper copies of the Funds' shareholder reports like this one will no longer be sent by mail, unless you specifically request paper copies of the reports from the Fund or from your financial intermediary. Instead, the reports will be made available on a website, and you will be notified by mail each time a report is posted and provided with a website link to access the report.

If you already elected to receive shareholder reports electronically, you will not be affected by this change and you do not need to take any action.

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John Hancock Funds II

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Fund	Manager’s commentary and fund performance	Portfolio of investments	Fund	Manager’s commentary and fund performance	Portfolio of investments
Asia Pacific Total Return Bond Fund	4	10	Opportunistic Fixed Income Fund		
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John Hancock Funds II

Manager's commentary and fund performance

Fund performance

In the following pages we have set forth information regarding the performance of certain funds of John Hancock Funds II (the Trust). There are several ways to evaluate a fund's historical performance. One can look at the total percentage change in value, the average annual percentage change, or the growth of a hypothetical \$10,000 investment. With respect to all performance information presented, it is important to understand that past performance does not guarantee future results. Return and principal fluctuate, and shares, when redeemed, may be worth more or less than their original cost.

Performance tables

The performance tables show two types of total return information: cumulative and average annual total returns. A cumulative total return is an expression of a fund's total change in share value in percentage terms over a set period of time—one, five, and ten years (or since the fund's inception if less than the applicable period). An average annual total return takes the fund's cumulative total return for a time period greater than one year and shows what would have happened if the fund had performed at a constant rate each year. The tables show all cumulative and average annual total returns, net of fees and expenses of the Trust, but do not reflect the expenses of any insurance company separate accounts (including a possible contingent deferred sales charge) that may invest in the funds, as applicable. If these were included, performance would be lower.

Graph—Change in value of \$10,000 investment and comparative indexes

The performance graph for each fund (or portfolio), shows the change in value of a \$10,000 investment over the life or ten-year period of each fund (or portfolio) whichever is shorter. Each fund's (or portfolio's) performance is compared with the performance of one or more broad-based securities indexes as a "benchmark." All performance information includes the reinvestment of dividends and capital gain distributions, as well as the deduction of ongoing management fees and fund (or portfolio) operating expenses. The benchmarks used for comparison are unmanaged and include reinvestment of dividends and capital gains distributions, if any, but do not reflect any fees or expenses. Funds (or portfolios), that invest in multiple asset classes are compared with a customized benchmark. This benchmark comprises a set percentage allocation from each of the asset classes in which the fund invests.

Portfolio manager's commentary

Finally, we have provided a commentary by each portfolio manager regarding each fund's (or portfolio's) performance during the period ended August 31, 2020. The views expressed are those of the portfolio managers as of August 31, 2020, and are subject to change based on market and other conditions. Information about a fund's (or portfolio's) holdings, asset allocation, or country diversification is historical and is no indication of future fund composition, which will vary. Information provided in this report should not be considered a recommendation to purchase or sell securities. The funds (or portfolios) are not insured by the Federal Deposit Insurance Corp., are not deposits or other obligations of, or guaranteed by, banks, and are subject to investment risks, including loss of principal amount invested. For a more detailed discussion of the risks associated with the funds (or portfolios), see the funds' prospectuses.

Asia Pacific Total Return Bond Fund

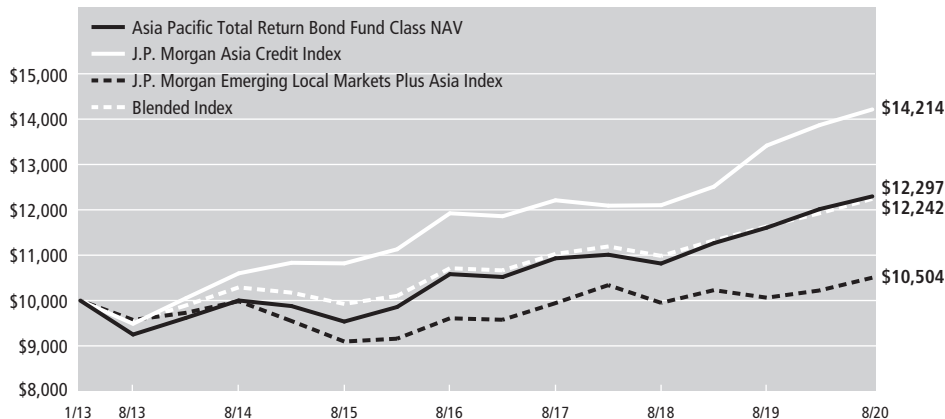
Subadvisor: Manulife Investment Management (US) LLC
 Portfolio Managers: Neal Capecci, Endre Pedersen, Jimond Wong, CFA, CPA

INVESTMENT OBJECTIVE & POLICIES ▶ The fund seeks to maximize total return. The fund seeks to generate capital appreciation and income by investing at least 80% of net assets (plus borrowings for investment purposes) in a diversified portfolio of bonds issued by governments, government agencies, international organizations issuing supranational bonds, and corporate issuers in Asia and the Asian region, including Australia and New Zealand.

Portfolio Composition*	% of Total
Corporate bonds	53.3
Foreign government obligations	43.3
Short-term investments and other	3.4

* As a percentage of net assets.

CHANGE IN VALUE OF \$10,000 INVESTMENT AND COMPARATIVE INDEXES



PORTFOLIO MANAGERS' COMMENTARY

Performance ▶ For the year ended August 31, 2020, the Asia Pacific Total Return Bond Fund Class NAV shares returned 5.94% and a blend of 50% J.P. Morgan Asia Credit Index and 50% J.P. Morgan Emerging Local Markets Plus Asia Index returned 5.22%.

Environment ▶ Over the period, market sentiment was mainly driven by COVID-19 developments. In early 2020, global financial markets experienced significant selloffs as the pandemic spread globally. Unprecedented monetary and fiscal stimulus and the gradual lifting of lockdown measures triggered strong rebounds in most global risk assets subsequently.

The Federal Reserve ("Fed") cut the federal funds rate four times to a target range of 0.0% to 0.25% and launched a new quantitative easing program to purchase Treasuries, mortgage-backed securities and corporate bonds. In late August, Fed Chair Powell announced a major policy shift to "average inflation targeting", allowing the Fed to run inflation above the 2% target for a sustained period before hiking rates.

In China, Caixin's manufacturing Purchasing Managers' Index ended the period at 53.1, the highest level since January 2011. The government set a target of creating nine million new jobs in urban areas and announced the issuance of \$14 billion special pandemic bonds to support economic recovery. In July, U.S.-China tensions escalated as each country ordered the other to close its consulates.

Indian government bond yields moved lower amid monetary easing, and the Reserve Bank of India signaled it would keep interest rates steady for some time amid inflation uncertainties.

Indonesian government bond yields trended lower amid monetary easing, and Bank Indonesia indicated it would be on standby to purchase additional government debt until 2021.

Asian credit markets posted positive returns owing to positive carry and lower U.S. Treasury yields. Asian high-yield corporate bonds outperformed Asian investment-grade credit. Most Asian currencies appreciated against the U.S. dollar amid risk-on sentiment in Q2 2020. The

Philippine peso was among the better-performing Asian currencies.

The fund's overweight exposure to Indonesian bonds contributed to performance amid falling local bond yields. Its exposure to U.S.-dollar-denominated Asian credit also contributed as this segment outperformed the broader Asian bond market.

The fund's exposure to selective Asian high-yield corporate bonds detracted from performance, particularly in Indonesian and Indian commodity companies.

We increased the fund's exposure to U.S.-dollar-denominated Asian corporate bonds as credit spreads widened to more attractive levels. We also took profit from some U.S.-dollar-denominated Asian corporate bonds and off-shore Chinese bonds amid strong performance.

PERFORMANCE TABLE^{1,2}

Periods Ending August 31, 2020	Average Annual Total Return				Cumulative Total Return		
	1-year	5-year	10-year	Since Inception	5-year	10-year	Since Inception
Asia Pacific Total Return Bond Fund Class NAV (began 1/16/13)	5.94	5.22	—	2.75	28.95	—	22.97
J.P. Morgan Asia Credit Index ^{3,4}	5.95	5.61	—	4.72	31.39	—	42.14
J.P. Morgan Emerging Local Markets Plus Asia Index ^{4,5}	4.39	2.92	—	0.65	15.49	—	5.04
Blended Index ^{4,6}	5.22	4.29	—	2.69	23.34	—	22.42

1 Performance does not reflect the deduction of taxes on fund distributions or redemptions of fund shares. Past performance does not guarantee future results.

2 Since inception, a portion of the Asia Pacific Total Return Bond Fund expenses was reimbursed. If such expenses had not been reimbursed, returns would be lower.

3 The J.P. Morgan Asia Credit Index measures the performance of Asia ex Japan U.S.D. denominated bond market.

4 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.

5 The J.P. Morgan Emerging Local Markets Plus Asia Index tracks total returns for local-currency-denominated money market instruments in over 20 emerging markets countries.

6 The Blended Index is 50% J.P. Morgan Asia Credit Index and 50% J.P. Morgan Emerging Local Markets Plus Asia Index.

The expense ratios of the fund, both net (including any fee waivers or expense limitations) and gross (excluding any fee waivers or expense limitations), are set forth according to the most recent publicly available prospectuses for the fund and may differ from the expense ratios disclosed in the financial highlights tables in this report. For Class NAV shares the gross expense is 0.82% and the net expense is 0.81%. Net expense reflect contractual expense limitations in effect until July 31, 2022 and are subject to change. Had the contractual fee waivers and expense limitations not been in place, gross expense would apply.

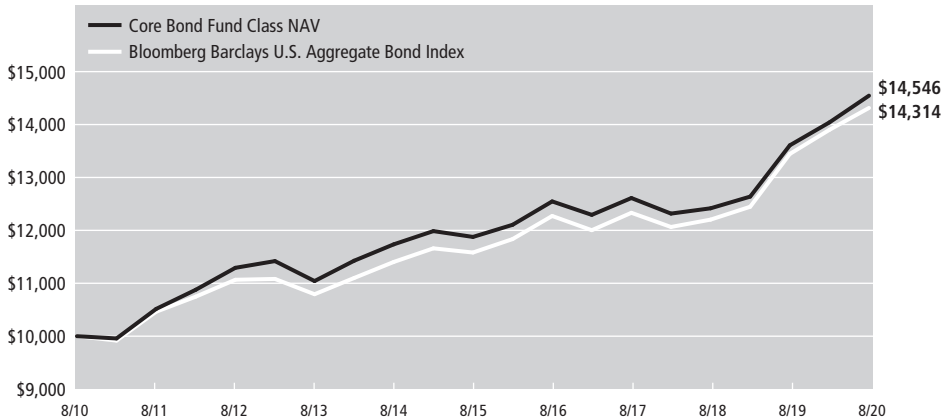
Core Bond Fund

Subadvisor: Wells Capital Management, Incorporated

Portfolio Managers: Maulik Bhansali, CFA, Thomas O'Connor, CFA, Jarad Vasquez

INVESTMENT OBJECTIVE & POLICIES ▶ The fund seeks total return consisting of income and capital appreciation. Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in a broad range of investment grade debt securities, including U.S. Government obligations, corporate bonds, mortgage-backed and other asset-backed securities, and money market instruments.

CHANGE IN VALUE OF \$10,000 INVESTMENT AND COMPARATIVE INDEX



Portfolio Composition*	% of Total
U.S. Government Agency	29.7
Corporate bonds	28.8
U.S. Government	17.5
Asset backed securities	8.3
Collateralized mortgage obligations	7.1
Foreign government obligations	1.2
Municipal bonds	0.4
Short-term investments	7.0

* As a percentage of total investments.

PORTFOLIO MANAGERS' COMMENTARY

Performance ▶ For the year ended August 31, 2020, the Core Bond Fund Class NAV shares returned 6.90% and the Bloomberg Barclays U.S. Aggregate Bond Index returned 6.47%.

Environment ▶ After years of steady expansion, the U.S. economy received a traumatic shock in 2020 with the arrival of the COVID-19 virus. Public reaction and government-ordered lockdowns resulted in a collapse in economic activity with the second quarter of 2020 recording a nearly 10% drop in GDP. Unemployment swiftly soared to double digits. Most areas of consumption declined precipitously. Travel and leisure services bore the brunt of the disruption. Spurred by a negative demand shock, prices for many goods declined during the March-April period, pushing most inflation indicators substantially lower.

The Federal Reserve responded to the pandemic with a dramatic easing of monetary policy, setting overnight rate targets to near zero, as well as purchasing bonds for its own account. A host of credit support measures were put in place to improve the functioning of teetering financial markets. In their actions and rhetoric the monetary authorities made it clear that an aggressive

posture to support the economic and financial markets would be in place as long as needed. Fiscal policy also responded swiftly to the pandemic in the form of relief payments to the general public as well as extended unemployment benefits. These measures more than offset the loss of income associated with unemployment increases and other wage losses for many people.

Economic activity probably bottomed in late April, and by the end of May both consumption and employment were turning around. Substantial job gains occurred while claims for unemployment insurance began to subside. Prices generally stabilized, with oil rallying from distressed levels and core inflation measures rebounding from their crisis lows. Stock indices hit new all-time highs over the course of the summer, while Treasury yields remained extremely low. Finally, credit spreads, which widened sharply in the March-April period, narrowed substantially in the ensuing few months.

Security selection in credit led excess returns during the 12-month period, particularly within the

communications, utilities, healthcare and consumer subsectors but with good contributions across almost all subsectors. Security selection and positioning within agency pass-through securities was a significant contributor, with higher-coupon, call-protected specified pools leading the contributions. Sector overweights to credit, mortgage-backed securities (MBS) and asset-backed securities (ABS) were also additive, as spreads tightened significantly toward the end of this 12-month period.

Security selection in ABS was a detractor, driven by our exposure to student loan and rental car ABS which did not keep pace with the high quality fixed-rate auto and cards ABS that's within the ABS index. Security selection in commercial mortgage-backed securities (CMBS) was a small detractor, although this was offset entirely by the sector effect. While credit selection overall was positive, we had several significant detractors in the energy and pipelines subsectors. Security selection in collateralized mortgage obligations (CMOs) was also very small detractor.

PERFORMANCE TABLE^{1,2}

Periods Ending August 31, 2020	Average Annual Total Return			Cumulative Total Return	
	1-year	5-year	10-year	5-year	10-year
Core Bond Fund Class 1	6.76	4.08	3.77	22.14	44.77
Core Bond Fund Class NAV	6.90	4.14	3.82	22.49	45.46
Bloomberg Barclays U.S. Aggregate Bond Index ^{3,4}	6.47	4.33	3.65	23.60	43.14

1 Performance does not reflect the deduction of taxes on fund distributions or redemptions of fund shares. Past performance does not guarantee future results.

2 Since inception, a portion of the Core Bond Fund expenses was reimbursed. If such expenses had not been reimbursed, returns would be lower.

3 The Bloomberg Barclays U.S. Aggregate Bond Index is an unmanaged index of dollar-denominated and nonconvertible investment-grade debt issues.

4 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 expense ratios of the fund, both net (including any fee waivers or expense limitations) and gross (excluding any fee waivers or expense limitations), are set forth according to the most recent publicly available prospectuses for the fund and may differ from the expense ratios disclosed in the financial highlights tables in this report. For Class 1 and Class NAV shares the gross expenses are 0.66% and 0.61%, respectively, and the net expenses are 0.65% and 0.60%, respectively. Net expenses reflect contractual expense limitations in effect until July 31, 2022 and are subject to change. Had the contractual fee waivers and expense limitations not been in place, gross expenses would apply.

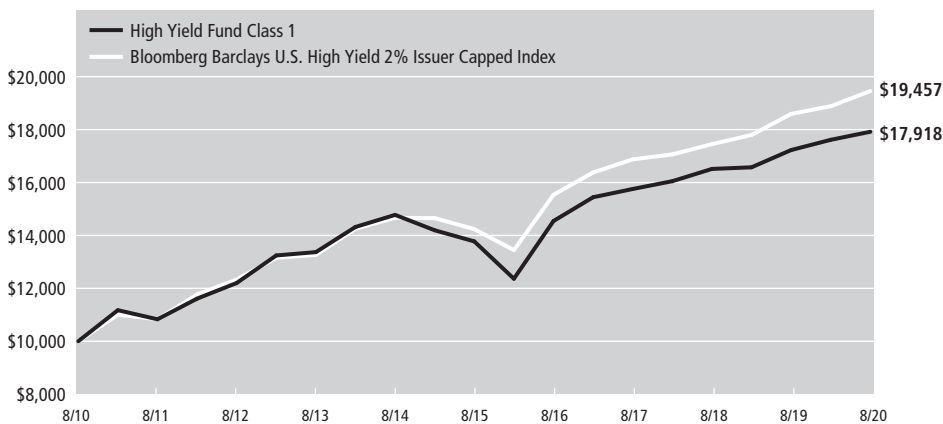
High Yield Fund

Subadvisor: Western Asset Management Company Limited

Portfolio Managers: Michael C. Buchanan, CFA, Walter E. Kilcullen, S. Kenneth Leech

INVESTMENT OBJECTIVE & POLICIES ▶ The fund seeks to realize an above-average total return over a market cycle of three to five years, consistent with reasonable risk. Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) at the time of investment in high yield securities.

CHANGE IN VALUE OF \$10,000 INVESTMENT AND COMPARATIVE INDEX



Portfolio Composition*	% of Total
Corporate bonds	84.9
Term loans	6.4
Asset backed securities	4.2
Convertible bonds	1.1
Foreign government obligations	1.0
Preferred securities	0.7
Common stocks	0.7
Short-term investments and other	1.0

* As a percentage of net assets.

PORTFOLIO MANAGERS' COMMENTARY

Performance ▶ For the year ended August 31, 2020, the High Yield Fund Class 1 shares returned 4.01% and the Bloomberg Barclays U.S. High Yield 2% Issuer Capped Index returned 4.65%.

Environment ▶ High yield was trading at relatively historical tight spreads at the beginning of the period before widening substantially in the 1st quarter of 2020 due to the COVID-19 pandemic. The high-yield market, however, has roared back from the depths of late March following the announcements from the Fed that it would buy bonds downgraded due to the COVID-19 pandemic ("fallen angels") and high-yield ETFs as well as a reopening of many parts of the US economy.

High-yield market technicals were also very supportive during the rally in Q2 and Q3. As mentioned, the Fed committed to buying high-yield

ETFs and then pivoted to purchasing separate securities. Mutual fund inflows have been significant, with August marking the fifth consecutive month of inflows. Issuance has more than kept up with demand, with \$101 billion in net new issuance and \$150 billion in fallen angel volume having entered the market so far this year. High-yield companies are doing everything they can to bolster liquidity, which has included drawing \$117 billion on their revolving lines of credit.

Asset class allocation detracted from relative performance given opportunistic exposure to bank loans and collateralized loan obligations (CLOs), which underperformed high-yield. Industry allocation also detracted from relative performance due in large part to underweights to the outperforming technology and consumer non-cyclical sectors. An overweight to outperforming banking

sector and positioning in the underperforming REITs helped to offset some of the drag from technology and consumer non-cyclicals.

Issue selection was the largest contributor to relative returns largely due to issuer tilts within the communications, capital goods, and REITs sectors. Rating positioning also aided relative performance given the strategy's underweight to CCCs, as higher quality outperformed during the period. Duration positioning aided relative performance given an overweight stance as rates fell significantly over the period, particularly in Q1.

The fund's investment in U.S. Treasury futures and options and credit default swaps marginally aided performance on a standalone basis. Options used to manage the fund's overall corporate bond exposure were a detractor for returns over the period.

PERFORMANCE TABLE^{1,2}

Periods Ending August 31, 2020	Average Annual Total Return			Cumulative Total Return	
	1-year	5-year	10-year	5-year	10-year
High Yield Fund Class 1	4.01	5.40	6.01	30.08	79.18
Bloomberg Barclays U.S. High Yield 2% Issuer Capped Index ^{3,4}	4.65	6.45	6.88	36.67	94.57

1 Performance does not reflect the deduction of taxes on fund distributions or redemptions of fund shares. Past performance does not guarantee future results.

2 Since inception, a portion of the High Yield Fund expenses was reimbursed. If such expenses had not been reimbursed, returns would be lower.

3 The Bloomberg Barclays U.S. High Yield 2% Issuer Capped Index measures the performance of high yield corporate bonds, with a maximum allocation of 2% to any one issuer.

4 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 expense ratios of the fund, both net (including any fee waivers or expense limitations) and gross (excluding any fee waivers or expense limitations), are set forth according to the most recent publicly available prospectuses for the fund and may differ from the expense ratios disclosed in the financial highlights tables in this report. For Class 1 shares the gross expense is 0.82% and the net expense is 0.81%. Net expense reflect contractual expense limitations in effect until July 31, 2022 and are subject to change. Had the contractual fee waivers and expense limitations not been in place, gross expense would apply.

Opportunistic Fixed Income Fund (formerly Global Bond Fund)

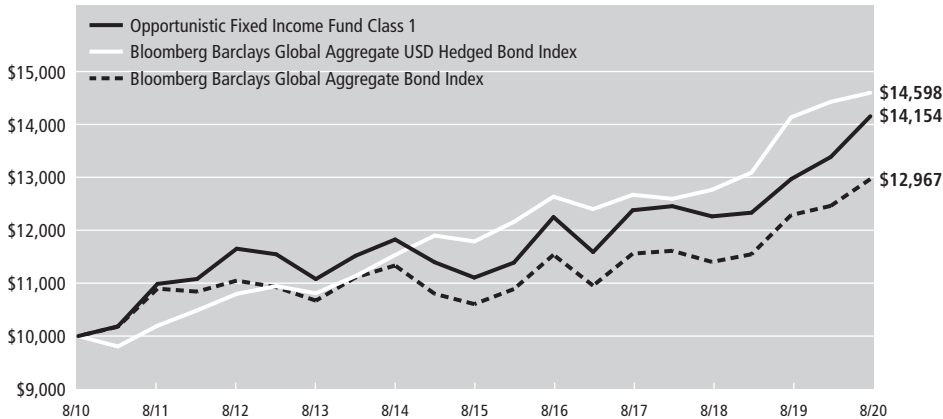
Subadvisor: Wellington Management Company LLP. Prior to February 28, 2020, Pacific Investment Management Company LLC served as the fund's subadvisor.
Portfolio Managers: Brian M. Garvey, Brij S. Khurana

INVESTMENT OBJECTIVE & POLICIES ▶ The fund seeks maximum total return, consistent with preservation of capital and prudent investment management. Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in fixed-income instruments. Fixed Income instruments include, but are not limited to the following securities, which may be denominated in U.S. dollars or foreign currencies: sovereign debt, inflation-linked bonds, corporate and high yield credit (also known as “junk bonds”), securitized debt, bank loans and floating rate loans and emerging markets debt, convertible and hybrid securities.

Portfolio Composition*	% of Total
Foreign government obligations	47.2
Collateralized mortgage obligations	9.5
Term loans	8.2
Corporate bonds	6.7
Exchange-traded funds	5.9
U.S. Government	4.8
Asset backed securities	4.8
U.S. Government Agency	3.5
Municipal bonds	2.7
Convertible bonds	0.5
Short-term investments and other	6.2

* As a percentage of net assets.

CHANGE IN VALUE OF \$10,000 INVESTMENT AND COMPARATIVE INDEXES



PORTFOLIO MANAGERS' COMMENTARY

Performance ▶ For the year ended August 31, 2020, the Opportunistic Fixed Income Fund Class 1 shares returned 9.15% and the Bloomberg Barclays Global Aggregate USD Hedged Index returned 3.28%. On February 28, 2020, Wellington Management Company LLP replaced Pacific Investment Management Company LLC as the fund's subadvisor.

Environment ▶ Positive developments in the U.S.-China trade discussions continued to support risk sentiment and capped a year of strong risk asset returns. At the end of 2019, U.S. equities closed at new highs, credit spreads tightened, developed market yields broadly rose, curves steepened, and the dollar weakened. While global economic data largely remained mixed, there were some tentative signs of stabilization and central banks broadly held policy steady (and were still accommodative). Meanwhile, geopolitical developments — including a potential Brexit draft deal, as well as a slew of political protests across a number of countries continued to persist in various regions across the world. Fresh economic risks in January, particularly heightened US-Iran tensions and the coronavirus outbreak, sparked an uptick in market volatility. “Safe haven” assets rallied — developed market yields fell across the board and curves flattened, while credit spreads widened and the dollar strengthened.

In March 2020, extreme risk aversion and impaired liquidity conditions led to investors exiting all other fixed income sectors seeking the safety of US Treasuries resulting in significant

declines in US Treasury yields and significant appreciation for the US dollar. Later in the period, positive economic data, accommodative global monetary policies, and healthy demand for credit supported most spread sectors as countries began to gradually emerge from economic lockdowns.

Pacific Investment Management Company LLC (period from September 1, 2019 through February 27, 2020)

Overall, interest rate strategies, which were partially facilitated through the use of futures, interest rate swaps, and options, were negative for returns over the period under review. Underweight exposure to Germany and France contributed to performance as rates rose. However, these gains were tempered by losses in other positions in European core and peripheral interest rates. Spread strategies contributed to overall performance. Overweight exposure to high yield corporate credit contributed as high yield corporate spreads tightened. Furthermore, overweight positions in both agency and non-agency mortgage-backed securities (MBS) added to performance. Overall, currency positions, which were partially implemented through the use of currency forwards, contributed to performance. Losses from overweight exposure to the Japanese yen relative to the U.S. dollar were more than offset by gains from overweight positioning to the British Pound and a basket of emerging market currencies.

Wellington Management Company LLP (period from February 28, 2020 through August 31, 2020)

Developed market inflation-linked bonds within the fund's *Activist Governments* theme contributed as aggressive fiscal and monetary stimulus by many of the world's central banks increased inflation expectations. As the spread of COVID-19 negatively impacted credit markets the Targeted Asset-Backed Securities Loan Facility (TALF) was established, increasing liquidity for the purchase of AAA rated asset-backed securities (ABS). We expected the TALF program would offer opportunities in other areas of the structured credit market and additions of non-TALF eligible assets to the fund paid off. Market Neutral and Tactical strategies also contributed positively. Following the prior liquidity squeeze, we took advantage of new issue concessions across the investment grade (IG) market as well as opportunities in the US Agency MBS space as markets re-opened. Emerging market sovereign exposure within the *Emerging Market Opportunities* theme was a detractor amongst the strategic themes. From a sector perspective, nominal government, MBS, and inflation-linked bonds were the largest contributors to performance during the period under review; exposures within high yield detracted. Use of derivatives in the form of credit-default swaps, bond futures, and currency forwards contributed to performance during the period under review.

PERFORMANCE TABLE^{1,2}

Periods Ending August 31, 2020	Average Annual Total Return			Cumulative Total Return	
	1-year	5-year	10-year	5-year	10-year
Opportunistic Fixed Income Fund Class 1	9.15	4.97	3.53	27.45	41.54
Bloomberg Barclays Global Aggregate USD Hedged Index ^{3,4,5}	3.28	4.37	3.86	23.84	45.98
Bloomberg Barclays Global Aggregate Index ^{5,6}	5.54	4.10	2.63	22.28	29.67

1 Performance does not reflect the deduction of taxes on fund distributions or redemptions of fund shares. Past performance does not guarantee future results.

2 Since inception, a portion of the Global Bond Fund expenses was reimbursed. If such expenses had not been reimbursed, returns would be lower.

3 Effective February 28, 2020, the fund's benchmark changed from the Bloomberg Barclays Global Aggregate Index to the Bloomberg Barclays Global Aggregate USD Hedged Index to better reflect the universe of investment opportunities based on the fund's revised principal investment strategies.

4 The Bloomberg Barclays Global Aggregate USD Hedged Index measures global investment grade debt from twentyfour local currency markets.

5 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.

6 The Bloomberg Barclays Global Aggregate Bond Index is an unmanaged index of global investment-grade debt securities.

The expense ratios of the fund, both net (including any fee waivers or expense limitations) and gross (excluding any fee waivers or expense limitations), are set forth according to the most recent publicly available prospectuses for the fund and may differ from the expense ratios disclosed in the financial highlights tables in this report. For Class 1 shares the gross expense is 1.20 % and the net expense is 1.19%. Net expense reflect contractual expense limitations in effect until July 31, 2022 and are subject to change. Had the contractual fee waivers and expense limitations not been in place, gross expense would apply.

U.S. High Yield Bond Fund

Subadvisor: Wells Capital Management, Incorporated

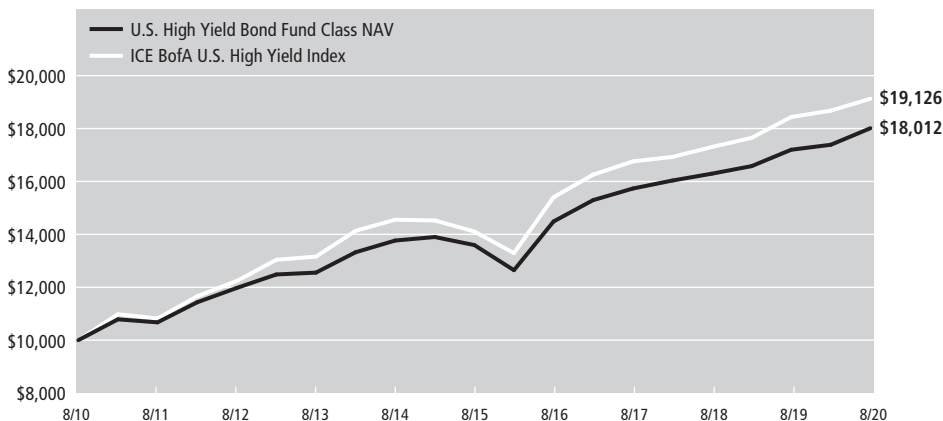
Portfolio Managers: Chris Lee, CFA, Mike Schueller, CFA

INVESTMENT OBJECTIVE & POLICIES ▶ The fund seeks total return with a high level of current income. Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in U.S. corporate debt securities that are, at the time of investment, below investment grade, including preferred and other convertible securities that are below-investment-grade (sometimes referred to as “junk bonds” or high yield securities).

Portfolio Composition*	% of Total
Corporate bonds	94.7
Term loans	2.9
Convertible bonds	0.4
Rights	0.1
Short-term investments and other	1.9

* As a percentage of net assets.

CHANGE IN VALUE OF \$10,000 INVESTMENT AND COMPARATIVE INDEX



PORTFOLIO MANAGERS' COMMENTARY

Performance ▶ For the year ended August 31, 2020, the U.S. High Yield Bond Fund Class NAV shares returned 4.67% and the ICE Bank of America U.S. High Yield Index returned 3.71%.

Environment ▶ After years of steady expansion, the U.S. economy received a traumatic shock in 2020 with the arrival of the COVID-19 virus. Public reaction and government-ordered lockdowns resulted in a collapse in economic activity with the second quarter of 2020 recording a nearly 10% drop in GDP. Unemployment swiftly soared to double digits. Most areas of consumption declined precipitously. Travel and leisure services bore the brunt of the disruption. Spurred by a negative demand shock, prices for many goods declined during the March-April period, pushing most inflation indicators substantially lower.

The Federal Reserve responded to the pandemic with a dramatic easing of monetary policy, setting overnight rate targets to near zero, as well as purchasing bonds for its own account. A host of credit support measures were put in place to

improve the functioning of teetering financial markets. In their actions and rhetoric the monetary authorities made it clear that an aggressive posture to support the economic and financial markets would be in place as long as needed. Fiscal policy also responded swiftly to the pandemic in the form of relief payments to the general public as well as extended unemployment benefits. These measures more than offset the loss of income associated with unemployment increases and other wage losses for many people.

Economic activity probably bottomed in late April, and by the end of May both consumption and employment were turning around. Substantial job gains occurred while claims for unemployment insurance began to subside. Prices generally stabilized, with oil rallying from distressed levels and core inflation measures rebounding from their crisis lows. Stock indices hit new all-time highs over the course of the summer, while Treasury yields remained extremely low. Finally, credit spreads, which widened sharply in the

March-April period, narrowed substantially in the ensuing few months.

Security selection was the primary driver of out-performance. Strong selection within energy, in particular midstream and oil field services sectors contributed to relative performance. In particular, “fallen angels” Occidental Petroleum Corp. and Western Midstream Operating LP were important outperformers. Underweights to and strong selection within aerospace and leisure were also notably positive. Sector allocation was a net detractor from relative performance. While an overweight to energy was negative, strong selection within the sector more than offset the impact from allocation. Maturity allocation was slightly negative: an underweight the 7-10 year bucket was detractive. The net impact from ratings allocation was also modestly negative after adjusting for unrated issues, due largely to an underweight higher quality double-B credits, though that impact was also pared by strong selection.

PERFORMANCE TABLE^{1,2}

Periods Ending August 31, 2020	Average Annual Total Return			Cumulative Total Return	
	1-year	5-year	10-year	5-year	10-year
U.S. High Yield Bond Fund Class 1	4.67	5.75	6.02	32.23	79.43
U.S. High Yield Bond Fund Class NAV	4.73	5.79	6.06	32.48	80.12
ICE BofA U.S. High Yield Index ^{3,4}	3.71	6.28	6.70	35.57	91.26

¹ Performance does not reflect the deduction of taxes on fund distributions or redemptions of fund shares. Past performance does not guarantee future results.

² Since inception, a portion of the U.S. High Yield Bond Fund expenses was reimbursed. If such expenses had not been reimbursed, returns would be lower.

³ The ICE BofA U.S. High Yield Index (formerly known as ICE BofA Merrill Lynch U.S. High Yield Master II Index) is an unmanaged index composed of U.S. currency high-yield bonds issued by U.S. and non-U.S. issuers.

⁴ 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 expense ratios of the fund, both net (including any fee waivers or expense limitations) and gross (excluding any fee waivers or expense limitations), are set forth according to the most recent publicly available prospectuses for the fund and may differ from the expense ratios disclosed in the financial highlights tables in this report. For Class 1 and Class NAV shares the gross expenses are 0.87% and 0.82%, respectively, and the net expenses are 0.86% and 0.81%, respectively. Net expenses reflect contractual expense limitations in effect until July 31, 2022 and are subject to change. Had the contractual fee waivers and expense limitations not been in place, gross expenses would apply.

John Hancock Funds II

Shareholder expense example

As a shareholder of John Hancock Funds II, you incur ongoing costs, such as management fees, distribution (Rule 12b-1) fees and other expenses.

These examples are intended to help you understand your ongoing costs (in dollars) of investing in a fund so you can compare these costs with the ongoing costs of investing in other mutual funds. The examples are based on an investment of \$1,000 at the beginning of the period and held for the entire period (March 1, 2020 through August 31, 2020).

Actual expenses:

The first line of each share class in the following table provides information about actual account values and actual expenses. You may use the information in this line, together with the amount you invested, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number in the first line under the heading entitled "Expenses paid during period ended" to estimate the expenses you paid on your account during this period.

Hypothetical example for comparison purposes:

The second line of each share class in the following table provides information about hypothetical account values and hypothetical expenses based on the actual expense ratio for the share class and an assumed annualized rate of return of 5% per year before expenses, which is not the actual return of the share class. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in the portfolio and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. Please remember that these hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transactional costs and insurance-related charges. Therefore, the second line of each share class in the table is useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if these transactional costs were included, your costs would have been higher.

		Account value on 3-1-2020	Ending value on 8-31-2020	Expenses paid during period ended 8-31-2020 ¹	Annualized expense ratio
Asia Pacific Total Return Bond Fund					
Class NAV	Actual expenses/actual returns	\$1,000.00	\$1,023.40	\$4.32	0.85%
	Hypothetical example	1,000.00	1,020.90	4.32	0.85%
Core Bond Fund					
Class 1	Actual expenses/actual returns	\$1,000.00	\$1,035.80	\$3.33	0.65%
	Hypothetical example	1,000.00	1,021.90	3.30	0.65%
Class NAV	Actual expenses/actual returns	1,000.00	1,036.10	3.07	0.60%
	Hypothetical example	1,000.00	1,022.10	3.05	0.60%
High Yield Fund					
Class 1	Actual expenses/actual returns	\$1,000.00	\$1,017.20	\$4.26	0.84%
	Hypothetical example	1,000.00	1,020.90	4.27	0.84%
Opportunistic Fixed Income Fund					
Class 1	Actual expenses/actual returns	\$1,000.00	\$1,057.50	\$4.40	0.85%
	Hypothetical example	1,000.00	1,020.90	4.32	0.85%
U.S. High Yield Bond Fund					
Class 1	Actual expenses/actual returns	\$1,000.00	\$1,035.60	\$4.45	0.87%
	Hypothetical example	1,000.00	1,020.80	4.42	0.87%
Class NAV	Actual expenses/actual returns	1,000.00	1,035.90	4.20	0.82%
	Hypothetical example	1,000.00	1,021.00	4.17	0.82%

¹ Expenses are equal to the annualized expense ratio, multiplied by the average account value over the period, multiplied by 184/366 (to reflect the one-half year period).

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Asia Pacific Total Return Bond Fund

		Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS - 43.3%			
India - 1.2%			
Republic of India			
7.590%, 01/11/2026	INR	150,000,000	\$ 2,196,458
Indonesia - 16.1%			
Republic of Indonesia			
3.700%, 10/30/2049	\$	1,500,000	1,624,830
3.850%, 10/15/2030		2,513,000	2,879,622
4.750%, 02/11/2029		2,000,000	2,395,520
6.500%, 06/15/2025	IDR	38,000,000,000	2,717,364
6.625%, 05/15/2033		71,945,000,000	4,705,410
7.000%, 05/15/2027 to 09/15/2030		74,000,000,000	5,172,127
8.250%, 05/15/2029		35,000,000,000	2,627,193
8.375%, 03/15/2024 to 04/15/2039		88,000,000,000	6,539,721
			28,661,787
Malaysia - 7.5%			
Government of Malaysia			
3.757%, 04/20/2023	MYR	26,000,000	6,548,909
4.181%, 07/15/2024		18,000,000	4,657,362
4.392%, 04/15/2026		8,000,000	2,143,473
			13,349,744
Philippines - 2.1%			
Republic of the Philippines			
3.625%, 09/09/2025	PHP	42,233,286	910,890
3.900%, 11/26/2022		131,000,000	2,746,147
			3,657,037
Singapore - 1.3%			
Republic of Singapore			
2.750%, 07/01/2023	SGD	3,000,000	2,352,201
South Korea - 12.1%			
Export-Import Bank of Korea			
6.200%, 08/07/2021	INR	137,000,000	1,872,756
Republic of Korea			
1.375%, 06/10/2030	KRW	3,000,000,000	2,492,590
1.875%, 06/10/2029		7,000,000,000	6,062,249
2.000%, 09/10/2022		4,800,000,000	4,131,859
2.375%, 03/10/2023		8,000,000,000	6,974,416
			21,533,870
Thailand - 3.0%			
Kingdom of Thailand			
1.200%, 07/14/2021	THB	129,055,200	4,130,361
1.585%, 12/17/2035		40,491,000	1,289,869
			5,420,230
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$77,044,909)			\$ 77,171,327
CORPORATE BONDS - 53.3%			
Australia - 0.9%			
National Australia Bank, Ltd.			
2.332%, 08/21/2030 (A)	\$	1,555,000	1,552,877
China - 12.3%			
21Vianet Group, Inc.			
7.875%, 10/15/2021		2,000,000	2,040,054
China Aoyuan Group, Ltd.			
7.950%, 09/07/2021		2,500,000	2,553,183
China Hongqiao Group, Ltd.			
7.125%, 07/22/2022		1,700,000	1,636,250
China SCE Group Holdings, Ltd.			
7.375%, 04/09/2024		1,500,000	1,533,906
Country Garden Holdings Company, Ltd.			
6.150%, 09/17/2025		1,500,000	1,639,174
Franshion Brilliant, Ltd. (4.000% to 1-3-23, then 5 Year CMT + 5.238%)			
01/03/2023 (B)		2,000,000	2,017,844

Asia Pacific Total Return Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
China (continued)		
Logan Group Company, Ltd.		
5.750%, 01/14/2025	\$ 1,500,000	\$ 1,526,669
Longfor Group Holdings, Ltd.		
3.950%, 09/16/2029	2,400,000	2,550,079
New Metro Global, Ltd.		
6.500%, 04/23/2021	1,600,000	1,617,210
Redsun Properties Group, Ltd.		
9.700%, 04/16/2023	1,276,000	1,308,147
Yuzhou Properties Company, Ltd.		
8.300%, 05/27/2025	1,300,000	1,349,137
Zhenro Properties Group, Ltd.		
8.650%, 01/21/2023	2,000,000	2,077,854
		21,849,507
Hong Kong - 14.0%		
AIA Group, Ltd.		
4.875%, 03/11/2044	1,488,000	1,944,727
Bangkok Bank PCL (3.733% to 9-25-29, then 5 Year CMT + 1.900%)		
09/25/2034 (A)	1,053,000	1,058,410
Chong Hing Bank, Ltd. (3.876% to 7-26-22, then 5 Year CMT + 2.030%)		
07/26/2027	1,800,000	1,799,820
CMB Wing Lung Bank, Ltd. (3.750% to 11-22-22, then 5 Year CMT + 1.750%)		
11/22/2027	1,500,000	1,532,650
CNAC HK Finbridge Company, Ltd.		
3.875%, 06/19/2029	1,000,000	1,101,886
Coastal Emerald, Ltd. (4.300% to 8-1-24, then 5 Year CMT + 7.445%)		
08/01/2024 (B)	2,000,000	2,061,000
Concord New Energy Group, Ltd.		
7.900%, 01/23/2021	2,000,000	1,974,493
Dah Sing Bank Ltd. (5.000% to 1-15-24, then 5 Year CMT + 2.550%)		
01/15/2029	1,000,000	1,072,720
Far East Horizon, Ltd. (3 month LIBOR + 2.000%)		
2.298%, 07/03/2021 (C)	2,300,000	2,283,900
GET International Investment Holdings, Ltd.		
3.750%, 07/18/2022	1,151,000	1,177,044
Kasikornbank PCL (3.343% to 10-2-26, then 5 Year CMT + 1.700%)		
10/02/2031	1,700,000	1,699,348
Shanghai Commercial Bank, Ltd. (3.750% to 11-29-22, then 5 Year CMT + 1.705%)		
11/29/2027	900,000	924,750
Weichai International Hong Kong Energy Group Company, Ltd. (3.750% to 9-14-22, then 5 Year CMT + 6.084%)		
09/14/2022 (B)	2,730,000	2,761,508
Yingde Gases Investment, Ltd.		
6.250%, 01/19/2023 (A)	2,000,000	2,072,645
Zoomlion HK SPV Company, Ltd.		
6.125%, 12/20/2022	1,500,000	1,561,875
		25,026,776
India - 2.5%		
Greenko Investment Company		
4.875%, 08/16/2023	1,000,000	1,000,161
Indian Railway Finance Corp., Ltd.		
3.950%, 02/13/2050 (A)	1,000,000	967,820
3.950%, 02/13/2050	1,500,000	1,451,730

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Asia Pacific Total Return Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
India (continued)		
ReNew Power Synthetic 6.670%, 03/12/2024	\$ 1,000,000	\$ 1,045,138
		4,464,849
Indonesia - 5.8%		
Adaro Indonesia PT 4.250%, 10/31/2024 (A)	2,217,000	2,183,745
Bayan Resources Tbk PT 6.125%, 01/24/2023 (A)	2,157,000	2,100,622
Chandra Asri Petrochemical Tbk PT 4.950%, 11/08/2024	2,000,000	1,932,586
Jasa Marga Persero Tbk PT 7.500%, 12/11/2020 (A)	IDR 11,300,000,000	756,891
Perusahaan Perseroan Persero PT Perusahaan Listrik Negara 6.150%, 05/21/2048	\$ 2,500,000	3,281,250
		10,255,094
Isle of Man - 1.4%		
Gohl Capital, Ltd. 4.250%, 01/24/2027	2,500,000	2,510,647
Malaysia - 2.5%		
Press Metal Labuan, Ltd. 4.800%, 10/30/2022	2,800,000	2,710,618
SD International Sukuk, Ltd. 6.300%, 05/09/2022	2,000,000	1,721,046
		4,431,664
Mauritius - 1.1%		
UPL Corp., Ltd. 4.500%, 03/08/2028	2,000,000	2,045,448
Singapore - 5.6%		
Indika Energy Capital III Pte, Ltd. 5.875%, 11/09/2024 (A)	1,200,000	1,131,336
		1,697,004
Medco Oak Tree Pte, Ltd. 7.375%, 05/14/2026 (A)	1,500,000	1,521,508
Singapore Post, Ltd. (4.250% to 3-2-22, then 10 Year Singapore Swap Offered Rate + 3.692%) 03/02/2022 (B)	SGD 5,000,000	3,787,305
TBLA International Pte, Ltd. 7.000%, 01/24/2023	\$ 2,000,000	1,871,183
		10,008,336
South Korea - 2.0%		
The Korea Development Bank 7.000%, 11/30/2022 (A)	IDR 52,000,000,000	3,612,415

Asia Pacific Total Return Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Supranational - 2.8%		
Asian Development Bank 6.450%, 08/08/2021	INR 360,000,000	\$ 4,961,721
United States - 2.4%		
Incitec Pivot Finance LLC 3.950%, 08/03/2027	\$ 2,225,000	2,350,063
Resorts World Las Vegas LLC 4.625%, 04/16/2029 (A)	1,500,000	1,416,660
	600,000	566,664
		4,333,387
TOTAL CORPORATE BONDS (Cost \$93,985,835)		\$ 95,052,721
SHORT-TERM INVESTMENTS - 0.7%		
Short-term funds - 0.7%		
Federated Government Obligations Fund, Institutional Class, 0.0186% (D)	1,256,006	1,256,006
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,256,006)		\$ 1,256,006
Total Investments (Asia Pacific Total Return Bond Fund) (Cost \$172,286,750) - 97.3%		\$ 173,480,054
Other assets and liabilities, net - 2.7%		4,822,986
TOTAL NET ASSETS - 100.0%		\$ 178,303,040

Currency Abbreviations

IDR	Indonesian Rupiah
INR	Indian Rupee
KRW	Korean Won
MYR	Malaysian Ringgit
PHP	Philippine Peso
SGD	Singapore Dollar
THB	Thai Bhat

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
LIBOR	London Interbank Offered Rate
(A)	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. Rule 144A securities amounted to \$18,374,929 or 10.3% of the fund's net assets as of 8-31-20.
(B)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(C)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(D)	The rate shown is the annualized seven-day yield as of 8-31-20.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
10-Year U.S. Treasury Note Futures	180	Short	Dec 2020	\$(24,960,560)	\$(25,048,125)	\$(87,565)
						\$(87,565)

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

See Notes to financial statements regarding investment transactions and other derivatives information.

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS – 53.9%		
U.S. Government – 20.0%		
U.S. Treasury Bonds		
1.125%, 05/15/2040 to 08/15/2040	\$ 50,848,000	\$ 49,855,842
1.250%, 05/15/2050	11,923,000	11,244,879
1.375%, 08/15/2050	12,298,000	11,975,178
2.500%, 02/15/2045	19,551,000	23,889,642
2.750%, 11/15/2042	40,285,000	51,217,027
2.875%, 05/15/2043	33,130,000	42,947,351
3.125%, 08/15/2044	11,528,000	15,582,163
U.S. Treasury Notes		
0.125%, 05/31/2022 to 08/15/2023	143,807,000	143,714,869
0.250%, 06/15/2023 to 07/31/2025	35,526,000	35,530,228
0.375%, 07/31/2027	15,760,000	15,639,338
0.625%, 08/15/2030	17,223,000	17,080,372
1.375%, 01/31/2021 to 05/31/2021	91,017,000	91,670,868
2.125%, 05/15/2022	626,000	647,054
2.250%, 04/30/2021	12,711,000	12,887,266
2.375%, 03/15/2022	6,494,000	6,715,963
3.125%, 05/15/2021	11,840,000	12,085,125
		542,683,165
U.S. Government Agency – 33.9%		
Federal Home Loan Mortgage Corp.		
3.000%, 02/01/2050	500,488	533,081
3.500%, 02/01/2048 to 11/01/2049	14,493,254	15,573,212
4.000%, 01/01/2035 to 11/01/2049	47,000,629	51,507,367
4.500%, 06/01/2039 to 08/01/2049	16,046,318	17,939,173
5.000%, 05/01/2048 to 03/01/2049	13,400,511	15,110,850
Federal National Mortgage Association		
1.500%, TBA (A)	21,900,000	22,378,513
2.000%, TBA (A)	133,000,000	137,211,008
2.500%, TBA (A)	91,000,000	95,429,551
2.678%, (12 month LIBOR + 1.586%), 01/01/2046 (B)	7,145,207	7,422,990
2.767%, (12 month LIBOR + 1.579%), 06/01/2045 (B)	2,001,446	2,074,962
3.000%, 01/01/2043 to 02/01/2050	3,912,889	4,199,084
3.500%, 09/01/2032 to 11/01/2049	14,774,333	15,737,934
4.000%, 09/01/2033 to 12/01/2049	98,994,768	109,494,440
4.500%, 05/01/2034 to 01/01/2059	85,753,760	96,244,323
5.000%, 07/01/2044 to 11/01/2049	87,218,785	98,781,382
5.500%, 12/01/2048 to 06/01/2049	10,577,332	12,021,983
Government National Mortgage Association		
2.000%, TBA (A)	56,900,000	58,673,289
2.500%, TBA (A)	33,300,000	35,027,234
3.000%, 02/20/2050 to 03/20/2050	12,486,545	13,354,345
3.500%, 01/20/2048 to 08/20/2049	6,566,615	7,218,485
4.000%, 06/20/2047 to 07/20/2049	48,691,889	52,713,839
4.500%, 08/15/2047 to 05/20/2049	14,039,583	15,476,095
5.000%, 12/20/2039 to 03/20/2049	31,682,532	34,741,625
		918,864,765
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$1,443,505,217)	\$	1,461,547,930
FOREIGN GOVERNMENT OBLIGATIONS – 1.3%		
Bermuda – 0.0%		
Government of Bermuda		
3.375%, 08/20/2050 (C)	994,000	1,040,221
Colombia – 0.1%		
Republic of Colombia		
3.125%, 04/15/2031	2,208,000	2,294,134
Indonesia – 0.1%		
Republic of Indonesia		
4.450%, 04/15/2070	1,323,000	1,622,699

Core Bond Fund (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Israel – 0.1%		
State of Israel		
3.375%, 01/15/2050	\$ 818,000	\$ 900,863
4.500%, 12/31/2099	913,000	1,253,624
		2,154,487
Japan – 0.1%		
Japan Bank for International Cooperation		
1.750%, 10/17/2024	2,264,000	2,377,092
Mexico – 0.4%		
Government of Mexico		
3.250%, 04/16/2030	1,669,000	1,723,243
3.900%, 04/27/2025	2,219,000	2,440,900
4.500%, 04/22/2029	3,790,000	4,265,645
4.600%, 02/10/2048	946,000	1,038,472
4.750%, 03/08/2044	1,124,000	1,258,318
5.000%, 04/27/2051	1,087,000	1,251,952
		11,978,530
Paraguay – 0.1%		
Republic of Paraguay		
4.950%, 04/28/2031 (C)	1,390,000	1,605,450
5.400%, 03/30/2050 (C)	1,740,000	2,190,677
		3,796,127
Peru – 0.1%		
Republic of Peru		
2.392%, 01/23/2026	1,415,000	1,487,165
2.783%, 01/23/2031	425,000	462,188
		1,949,353
Qatar – 0.1%		
State of Qatar		
3.400%, 04/16/2025 (C)	3,436,000	3,767,677
United Arab Emirates – 0.2%		
Government of Abu Dhabi		
2.500%, 04/16/2025 (C)	4,838,000	5,128,038
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$32,911,028)		\$ 36,108,358
CORPORATE BONDS – 32.8%		
Communication services – 3.0%		
Activision Blizzard, Inc.		
1.350%, 09/15/2030	900,000	877,565
2.500%, 09/15/2050	1,038,000	973,773
Alphabet, Inc.		
1.900%, 08/15/2040	602,000	585,334
2.250%, 08/15/2060	1,204,000	1,143,566
AT&T, Inc.		
1.650%, 02/01/2028	1,346,000	1,364,181
2.250%, 02/01/2032	1,790,000	1,814,323
2.300%, 06/01/2027	2,717,000	2,881,249
2.750%, 06/01/2031	2,717,000	2,878,390
3.000%, 06/30/2022	2,085,000	2,176,392
3.100%, 02/01/2043	430,000	426,742
3.300%, 02/01/2052	1,660,000	1,643,539
3.500%, 06/01/2041	905,000	958,184
3.650%, 06/01/2051	424,000	442,696
3.850%, 06/01/2060	905,000	959,672
4.500%, 03/09/2048	1,586,000	1,857,618
4.850%, 03/01/2039	824,000	996,132
5.150%, 02/15/2050	788,000	1,007,300
5.250%, 03/01/2037	486,000	612,003
5.350%, 12/15/2043	408,000	510,087
5.375%, 10/15/2041	654,000	815,236
Charter Communications Operating LLC		
4.464%, 07/23/2022	807,000	859,931
4.800%, 03/01/2050	2,549,000	2,898,604

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Comcast Corp.		
1.950%, 01/15/2031	\$ 2,318,000	\$ 2,385,191
2.450%, 08/15/2052	896,000	852,767
2.650%, 08/15/2062	987,000	946,580
2.800%, 01/15/2051	961,000	967,222
3.100%, 04/01/2025	1,729,000	1,916,815
3.700%, 04/15/2024	1,637,000	1,817,542
3.750%, 04/01/2040	2,065,000	2,435,462
3.950%, 10/15/2025	1,480,000	1,706,213
4.150%, 10/15/2028	2,122,000	2,570,509
4.600%, 10/15/2038	2,073,000	2,657,076
The Walt Disney Company		
3.500%, 05/13/2040	1,034,000	1,162,131
3.600%, 01/13/2051	928,000	1,049,189
3.800%, 05/13/2060	644,000	748,294
Time Warner Cable LLC		
6.550%, 05/01/2037	583,000	777,880
T-Mobile USA, Inc.		
1.500%, 02/15/2026 (C)	2,260,000	2,292,612
2.050%, 02/15/2028 (C)	2,975,000	3,047,263
2.550%, 02/15/2031 (C)	2,047,000	2,140,425
3.500%, 04/15/2025 (C)	3,678,000	4,063,454
3.750%, 04/15/2027 (C)	2,795,000	3,160,893
Verizon Communications, Inc.		
3.000%, 03/22/2027	850,000	948,876
3.500%, 11/01/2024	1,975,000	2,195,868
4.016%, 12/03/2029	1,019,000	1,222,785
4.272%, 01/15/2036	362,000	442,618
4.400%, 11/01/2034	1,774,000	2,213,661
4.522%, 09/15/2048	1,103,000	1,443,013
ViacomCBS, Inc.		
4.200%, 05/19/2032	2,664,000	3,023,453
4.375%, 03/15/2043	246,000	262,140
4.600%, 01/15/2045	158,000	171,553
4.750%, 05/15/2025	1,403,000	1,619,572
4.950%, 05/19/2050	31,000	35,983
5.850%, 09/01/2043	593,000	738,509
Vodafone Group PLC		
4.250%, 09/17/2050	1,606,000	1,864,349
		81,562,415
Consumer discretionary – 2.8%		
Advance Auto Parts, Inc.		
3.900%, 04/15/2030	4,442,000	4,889,107
Amazon.com, Inc.		
1.500%, 06/03/2030	3,604,000	3,678,739
2.500%, 06/03/2050	991,000	996,829
2.700%, 06/03/2060	901,000	919,797
AutoNation, Inc.		
4.750%, 06/01/2030	917,000	1,074,269
AutoZone, Inc.		
1.650%, 01/15/2031	1,804,000	1,780,640
Best Buy Company, Inc.		
4.450%, 10/01/2028	860,000	1,016,606
BorgWarner, Inc.		
2.650%, 07/01/2027	1,886,000	1,999,760
Daimler Finance North America LLC		
2.125%, 03/10/2025 (C)	2,381,000	2,468,216
Dollar General Corp.		
3.500%, 04/03/2030	1,021,000	1,171,348
General Motors Company		
5.400%, 04/01/2048	1,260,000	1,381,257
General Motors Financial Company, Inc.		
1.700%, 08/18/2023	2,783,000	2,799,486
2.700%, 08/20/2027	2,797,000	2,792,695
2.750%, 06/20/2025	4,782,000	4,937,962

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
General Motors Financial		
Company, Inc. (continued)		
2.900%, 02/26/2025	\$ 2,147,000	\$ 2,230,860
4.350%, 04/09/2025	491,000	536,866
5.200%, 03/20/2023	2,805,000	3,059,655
Harley-Davidson Financial Services, Inc.		
3.350%, 06/08/2025 (C)	1,735,000	1,841,202
Lowe's Companies, Inc.		
3.650%, 04/05/2029	595,000	688,575
4.000%, 04/15/2025	917,000	1,046,558
5.000%, 04/15/2040	1,034,000	1,368,263
Marriott International, Inc.		
4.625%, 06/15/2030	1,203,000	1,316,866
5.750%, 05/01/2025	1,120,000	1,257,375
McDonald's Corp.		
1.450%, 09/01/2025	657,000	678,138
2.125%, 03/01/2030	241,000	250,408
3.700%, 01/30/2026	1,295,000	1,478,694
NIKE, Inc.		
2.400%, 03/27/2025	1,250,000	1,346,566
2.750%, 03/27/2027	834,000	925,200
2.850%, 03/27/2030	822,000	918,964
3.375%, 03/27/2050	1,019,000	1,166,230
O'Reilly Automotive, Inc.		
4.200%, 04/01/2030	881,000	1,059,429
Ralph Lauren Corp.		
1.700%, 06/15/2022	1,468,000	1,497,026
2.950%, 06/15/2030	2,405,000	2,486,372
Starbucks Corp.		
1.300%, 05/07/2022	1,076,000	1,092,901
3.350%, 03/12/2050	423,000	431,038
3.500%, 11/15/2050	645,000	683,374
The Home Depot, Inc.		
2.500%, 04/15/2027	1,046,000	1,144,699
2.700%, 04/15/2030	1,052,000	1,164,839
2.950%, 06/15/2029	480,000	541,161
3.125%, 12/15/2049	2,406,000	2,634,142
3.350%, 04/15/2050	1,728,000	1,965,966
The Leland Stanford Junior University		
1.289%, 06/01/2027	347,000	353,688
The Trustees of the University of Pennsylvania		
3.610%, 02/15/2119	954,000	1,087,006
Toyota Motor Credit Corp.		
1.150%, 08/13/2027	1,718,000	1,720,106
1.350%, 08/25/2023	1,637,000	1,679,513
Yale University		
0.873%, 04/15/2025	1,511,000	1,528,382
1.482%, 04/15/2030	1,295,000	1,316,493
		74,403,266
Consumer staples – 1.5%		
Alimentation Couche-Tard, Inc.		
3.800%, 01/25/2050 (C)	452,000	486,211
Altria Group, Inc.		
2.350%, 05/06/2025	369,000	392,486
3.400%, 05/06/2030	1,113,000	1,225,990
3.875%, 09/16/2046	742,000	770,005
4.450%, 05/06/2050	1,405,000	1,605,178
Anheuser-Busch Companies LLC		
4.700%, 02/01/2036	1,535,000	1,830,740
4.900%, 02/01/2046	247,000	303,759
Anheuser-Busch InBev Worldwide, Inc.		
4.150%, 01/23/2025	1,782,000	2,027,461
4.600%, 04/15/2048	1,131,000	1,345,292

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer staples (continued)		
Bacardi, Ltd.		
4.700%, 05/15/2028 (C)	\$ 1,537,000	\$ 1,789,683
5.300%, 05/15/2048 (C)	1,097,000	1,412,867
BAT Capital Corp.		
3.557%, 08/15/2027	1,690,000	1,847,302
4.700%, 04/02/2027	1,810,000	2,096,790
4.906%, 04/02/2030	924,000	1,098,704
Bunge, Ltd. Finance Corp.		
1.630%, 08/17/2025	2,234,000	2,246,412
3.750%, 09/25/2027	1,277,000	1,386,176
Constellation Brands, Inc.		
3.200%, 02/15/2023	414,000	438,838
3.700%, 12/06/2026	695,000	800,164
3.750%, 05/01/2050	1,360,000	1,493,849
4.400%, 11/15/2025	124,000	144,648
Costco Wholesale Corp.		
1.600%, 04/20/2030	5,105,000	5,225,785
1.750%, 04/20/2032	1,315,000	1,353,980
Dollar General Corp.		
4.125%, 04/03/2050	194,000	232,414
General Mills, Inc.		
2.875%, 04/15/2030	604,000	664,130
Hormel Foods Corp.		
1.800%, 06/11/2030	1,892,000	1,960,238
Ingredion, Inc.		
3.900%, 06/01/2050	817,000	932,218
Keurig Dr Pepper, Inc.		
3.800%, 05/01/2050	883,000	1,019,633
Mars, Inc.		
1.625%, 07/16/2032 (C)	2,185,000	2,168,000
2.450%, 07/16/2050 (C)	546,000	521,692
Sysco Corp.		
2.400%, 02/15/2030	882,000	878,898
6.600%, 04/01/2050	445,000	613,855
Walmart, Inc.		
3.050%, 07/08/2026	795,000	896,599
4.050%, 06/29/2048	22,000	28,379
		41,238,376
Energy – 2.3%		
BP Capital Markets America, Inc.		
1.749%, 08/10/2030	1,719,000	1,704,681
2.772%, 11/10/2050	2,064,000	1,946,206
3.194%, 04/06/2025	2,104,000	2,317,655
3.543%, 04/06/2027	2,120,000	2,388,430
Concho Resources, Inc.		
2.400%, 02/15/2031	1,075,000	1,052,012
Devon Energy Corp.		
5.000%, 06/15/2045	447,000	444,749
5.600%, 07/15/2041	683,000	713,988
Diamondback Energy, Inc.		
3.250%, 12/01/2026	1,674,000	1,716,979
Ecopetrol SA		
5.875%, 05/28/2045	901,000	1,022,455
6.875%, 04/29/2030	429,000	516,409
Enbridge, Inc.		
2.500%, 01/15/2025	4,006,000	4,223,951
3.125%, 11/15/2029	1,833,000	1,973,506
Energy Transfer Operating LP		
6.050%, 06/01/2041	394,000	397,664
6.125%, 12/15/2045	331,000	336,043
Enterprise Products Operating LLC		
2.800%, 01/31/2030	718,000	766,303
3.200%, 02/15/2052	1,347,000	1,275,878
3.700%, 01/31/2051	791,000	801,616
3.950%, 01/31/2060	875,000	885,531

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Enterprise Products		
Operating LLC (continued)		
4.200%, 01/31/2050	\$ 320,000	\$ 348,136
Equinor ASA		
1.750%, 01/22/2026	1,297,000	1,358,597
3.250%, 11/18/2049	622,000	666,765
Magellan Midstream Partners LP		
3.250%, 06/01/2030	1,731,000	1,870,513
Marathon Oil Corp.		
4.400%, 07/15/2027	1,661,000	1,703,126
Marathon Petroleum Corp.		
3.625%, 09/15/2024	2,230,000	2,404,151
4.500%, 04/01/2048	216,000	230,468
4.700%, 05/01/2025	1,582,000	1,805,876
4.750%, 12/15/2023	677,000	750,218
MPLX LP		
1.750%, 03/01/2026	1,344,000	1,343,593
2.650%, 08/15/2030	1,805,000	1,787,821
Noble Energy, Inc.		
3.850%, 01/15/2028	399,000	452,591
3.900%, 11/15/2024	922,000	1,022,706
4.200%, 10/15/2049	756,000	915,615
4.950%, 08/15/2047	624,000	817,191
Oleoducto Central SA		
4.000%, 07/14/2027 (C)	553,000	576,226
ONEOK, Inc.		
3.400%, 09/01/2029	173,000	170,067
Petroleos Mexicanos		
2.378%, 04/15/2025	437,500	453,806
2.460%, 12/15/2025	1,870,550	1,946,829
Pioneer Natural Resources Company		
1.900%, 08/15/2030	2,254,000	2,179,663
Plains All American Pipeline LP		
3.550%, 12/15/2029	1,710,000	1,701,964
4.900%, 02/15/2045	366,000	349,585
Schlumberger Finance Canada, Ltd.		
2.650%, 11/20/2022 (C)	854,000	886,265
Suncor Energy, Inc.		
2.800%, 05/15/2023	2,232,000	2,352,300
3.100%, 05/15/2025	1,796,000	1,966,910
Sunoco Logistics Partners Operations LP		
5.300%, 04/01/2044	569,000	538,495
Tengizchevroil Finance Company International, Ltd.		
2.625%, 08/15/2025 (C)	1,406,000	1,428,935
The Williams Companies, Inc.		
3.900%, 01/15/2025	599,000	659,488
5.400%, 03/04/2044	848,000	989,215
Total Capital International SA		
2.986%, 06/29/2041	703,000	732,118
3.127%, 05/29/2050	1,323,000	1,385,281
Transcontinental Gas Pipe Line Company LLC		
3.250%, 05/15/2030 (C)	895,000	976,533
3.950%, 05/15/2050 (C)	1,433,000	1,553,974
		62,809,077
Financials – 9.2%		
Affiliated Managers Group, Inc.		
3.300%, 06/15/2030	2,703,000	2,893,923
American Financial Group, Inc.		
5.250%, 04/02/2030	2,179,000	2,656,523
American International Group, Inc.		
3.400%, 06/30/2030	1,908,000	2,112,634
4.200%, 04/01/2028	1,270,000	1,481,474
4.500%, 07/16/2044	1,131,000	1,326,693

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
American International Group, Inc. (continued) 4.750%, 04/01/2048	\$ 1,755,000	\$ 2,137,418
Arch Capital Group, Ltd. 3.635%, 06/30/2050	1,123,000	1,197,961
Ares Capital Corp. 3.875%, 01/15/2026	2,696,000	2,735,854
Asian Development Bank 0.625%, 04/07/2022	3,258,000	3,278,195
Athene Holding, Ltd. 6.150%, 04/03/2030	2,656,000	3,210,189
Banco Santander SA 2.746%, 05/28/2025	1,600,000	1,700,670
	800,000	876,645
Bank of America Corp. 4.125%, 01/22/2024	282,000	315,350
	4,183,000	2,761,108
Bank of America Corp. (1.898% to 7-23-30, then SOFR + 1.530%) 07/23/2031	2,146,000	2,165,096
Bank of America Corp. (2.456% to 10-22-24, then 3 month LIBOR + 0.870%) 10/22/2025	2,341,000	2,480,262
Bank of America Corp. (2.592% to 4-29-30, then SOFR + 2.150%) 04/29/2031	879,000	935,338
Bank of America Corp. (3.004% to 12-20-22, then 3 month LIBOR + 0.790%) 12/20/2023	4,489,000	4,730,889
Bank of America Corp. (3.093% to 10-1-24, then 3 month LIBOR + 1.090%) 10/01/2025	3,211,000	3,487,129
Bank of America Corp. (3.419% to 12-20-27, then 3 month LIBOR + 1.040%) 12/20/2028	5,783,000	6,462,494
Bank of America Corp. (4.271% to 7-23-28, then 3 month LIBOR + 1.310%) 07/23/2029	4,261,000	5,034,050
Barclays PLC (2.645% to 6-24-30, then 1 Year CMT + 1.900%) 06/24/2031	1,213,000	1,231,591
Barclays PLC (5.088% to 6-20-29, then 3 month LIBOR + 3.054%) 06/20/2030	3,021,000	3,507,419
BNP Paribas SA (2.219% to 6-9-25, then SOFR + 2.070%) 06/09/2026 (C)	2,695,000	2,810,367
BNP Paribas SA (2.819% to 11-19-24, then 3 month LIBOR + 1.111%) 11/19/2025 (C)	4,984,000	5,307,862
BNP Paribas SA (3.052% to 1-13-30, then SOFR + 1.507%) 01/13/2031 (C)	977,000	1,054,696
Brighthouse Financial, Inc. 4.700%, 06/22/2047	948,000	910,360
Brookfield Finance, Inc. 3.900%, 01/25/2028	1,725,000	1,951,802
	4,350,000	2,574,624
Citigroup, Inc. 3.200%, 10/21/2026	1,682,000	1,872,589
Citigroup, Inc. (2.572% to 6-3-30, then SOFR + 2.107%) 06/03/2031	3,470,000	3,666,777
Citigroup, Inc. (2.976% to 11-5-29, then SOFR + 1.422%) 11/05/2030	2,414,000	2,621,168
Citigroup, Inc. (3.106% to 4-8-25, then SOFR + 2.750%) 04/08/2026	9,718,000	10,543,576
Citigroup, Inc. (4.412% to 3-31-30, then SOFR + 3.910%) 03/31/2031	5,419,000	6,581,308

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Credit Suisse Group AG 3.574%, 01/09/2023 (C)	\$ 2,651,000	\$ 2,752,534
Credit Suisse Group AG (2.193% to 6-5-25, then SOFR + 2.044%) 06/05/2026 (C)	3,289,000	3,400,266
Credit Suisse Group AG (2.593% to 9-11-24, then SOFR + 1.560%) 09/11/2025 (C)	608,000	636,449
Credit Suisse Group AG (2.997% to 12-14-22, then 3 month LIBOR + 1.200%) 12/14/2023 (C)	1,471,000	1,536,562
Credit Suisse Group Funding Guernsey, Ltd. 3.800%, 06/09/2023	1,326,000	1,432,149
Danske Bank A/S 5.000%, 01/12/2022 (C)	2,133,000	2,248,527
Danske Bank A/S (3.001% to 9-20-21, then 3 month LIBOR + 1.249%) 09/20/2022 (C)	4,164,000	4,251,652
Danske Bank A/S (3.244% to 12-20-24, then 3 month LIBOR + 1.591%) 12/20/2025 (C)	3,884,000	4,167,362
Element Fleet Management Corp. 3.850%, 06/15/2025 (C)	1,735,000	1,831,098
Fidelity National Financial, Inc. 3.400%, 06/15/2030	1,406,000	1,515,855
GE Capital Funding LLC 3.450%, 05/15/2025 (C)	3,629,000	3,849,771
	742,000	782,093
GE Capital International Funding Company 4.418%, 11/15/2035	2,983,000	3,079,884
HSBC Holdings PLC (1.645% to 4-18-25, then SOFR + 1.538%) 04/18/2026	3,855,000	3,885,364
HSBC Holdings PLC (2.357% to 8-18-30, then SOFR + 1.947%) 08/18/2031	1,299,000	1,313,375
Inter-American Development Bank 0.875%, 04/03/2025	3,341,000	3,410,561
Intercontinental Exchange, Inc. 1.850%, 09/15/2032	1,803,000	1,825,471
	631,000	638,696
JPMorgan Chase & Co. 2.950%, 10/01/2026	250,000	276,915
JPMorgan Chase & Co. (1.514% to 6-1-23, then SOFR + 1.455%) 06/01/2024	8,646,000	8,841,792
JPMorgan Chase & Co. (2.182% to 6-1-27, then SOFR + 1.890%) 06/01/2028	2,593,000	2,711,557
JPMorgan Chase & Co. (2.956% to 5-13-30, then SOFR + 2.515%) 05/13/2031	3,592,000	3,856,358
JPMorgan Chase & Co. (3.207% to 4-1-22, then 3 month LIBOR + 0.695%) 04/01/2023	2,760,000	2,878,362
JPMorgan Chase & Co. (4.493% to 3-24-30, then SOFR + 3.790%) 03/24/2031	1,029,000	1,265,561
Landwirtschaftliche Rentenbank 0.500%, 05/27/2025	5,186,000	5,207,750
Lloyds Banking Group PLC (1.326% to 6-15-22, then 1 Year CMT + 1.100%) 06/15/2023	1,762,000	1,778,897

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Lloyds Banking Group PLC (3.870% to 7-9-24, then 1 Year CMT + 3.500%) 07/09/2025	\$ 4,678,000	\$ 5,143,642
MDGH - GMTN BV 2.875%, 11/07/2029 (C)	1,474,000	1,586,640
National Australia Bank, Ltd. 2.332%, 08/21/2030 (C)	2,428,000	2,424,684
Nationwide Building Society (4.363% to 8-1-23, then 3 month LIBOR + 1.392%) 08/01/2024 (C)	1,634,000	1,788,861
Nationwide Financial Services, Inc. 3.900%, 11/30/2049 (C)	2,035,000	2,082,420
Nationwide Mutual Insurance Company 4.350%, 04/30/2050 (C)	1,155,000	1,265,721
Natwest Group PLC (3.754% to 11-1-24, then 5 Year CMT + 2.100%) 11/01/2029	1,384,000	1,460,424
Nomura Holdings, Inc. 2.648%, 01/16/2025	1,545,000	1,628,568
2.679%, 07/16/2030	1,281,000	1,329,620
3.103%, 01/16/2030	4,147,000	4,439,398
S&P Global, Inc. 1.250%, 08/15/2030	864,000	852,948
2.300%, 08/15/2060	1,031,000	950,215
Santander Holdings USA, Inc. 3.244%, 10/05/2026	1,933,000	2,055,709
3.400%, 01/18/2023	622,000	652,569
3.450%, 06/02/2025	3,640,000	3,922,447
4.400%, 07/13/2027	865,000	964,742
4.500%, 07/17/2025	191,000	211,224
Santander UK Group Holdings PLC (1.532% to 8-21-25, then 1 Year CMT + 1.250%) 08/21/2026	5,593,000	5,593,533
Scentre Group Trust 1 3.625%, 01/28/2026 (C)	1,339,000	1,430,480
Societe Generale SA 2.625%, 10/16/2024 to 01/22/2025 (C)	4,385,000	4,586,667
Societe Generale SA (3.653% to 7-8-30, then 5 Year CMT + 3.000%) 07/08/2035 (C)	1,136,000	1,166,527
SVB Financial Group 3.125%, 06/05/2030	692,000	768,623
Swedish Export Credit 0.750%, 04/06/2023	4,416,000	4,462,275
The Andrew W. Mellon Foundation 0.947%, 08/01/2027	1,032,000	1,035,266
The Goldman Sachs Group, Inc. 3.500%, 04/01/2025 to 11/16/2026	9,492,000	10,541,837
3.850%, 01/26/2027	1,405,000	1,599,842
4.000%, 03/03/2024	364,000	403,278
6.750%, 10/01/2037	1,437,000	2,099,403
The Goldman Sachs Group, Inc. (3.272% to 9-29-24, then 3 month LIBOR + 1.201%) 09/29/2025	414,000	450,944
The Royal Bank of Scotland Group PLC (2.359% to 5-22-23, then 1 Year CMT + 2.150%) 05/22/2024	695,000	719,514
The Royal Bank of Scotland Group PLC (3.073% to 5-22-27, then 1 Year CMT + 2.550%) 05/22/2028	1,258,000	1,346,079
The Royal Bank of Scotland Group PLC (4.445% to 5-8-29, then 3 month LIBOR + 1.871%) 05/08/2030	1,280,000	1,503,755
Trust Fibra Uno 4.869%, 01/15/2030 (C)	1,186,000	1,203,790

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
Trust Fibra Uno (continued) 6.390%, 01/15/2050 (C)	\$ 721,000	\$ 744,072
UBS Group AG (1.364% to 1-30-26, then 1 Year CMT + 1.080%) 01/30/2027 (C)	2,699,000	2,723,203
UBS Group AG (2.859% to 8-15-22, then 3 month LIBOR + 0.954%) 08/15/2023 (C)	4,185,000	4,353,958
US Bancorp 1.375%, 07/22/2030	648,000	641,577
		248,123,350
Health care – 4.0%		
Abbott Laboratories 3.750%, 11/30/2026	1,066,000	1,247,045
AbbVie, Inc. 2.300%, 11/21/2022 (C)	4,936,000	5,129,379
2.600%, 11/21/2024 (C)	2,106,000	2,257,023
2.900%, 11/06/2022	2,726,000	2,868,079
2.950%, 11/21/2026 (C)	846,000	930,456
3.200%, 11/21/2029 (C)	3,569,000	3,950,067
3.750%, 11/14/2023	228,000	249,823
3.800%, 03/15/2025 (C)	3,519,000	3,933,942
4.050%, 11/21/2039 (C)	983,000	1,146,519
4.250%, 11/14/2028	635,000	755,910
4.250%, 11/21/2049 (C)	2,230,000	2,684,069
4.450%, 05/14/2046	623,000	750,979
Aetna, Inc. 3.875%, 08/15/2047	671,000	778,987
Amgen, Inc. 2.300%, 02/25/2031	1,357,000	1,424,645
3.150%, 02/21/2040	928,000	979,829
Anthem, Inc. 2.250%, 05/15/2030	2,242,000	2,324,720
3.125%, 05/15/2050	901,000	945,328
3.650%, 12/01/2027	1,160,000	1,331,822
AstraZeneca PLC 0.700%, 04/08/2026	2,592,000	2,568,862
Biogen, Inc. 3.150%, 05/01/2050	829,000	838,935
Bristol-Myers Squibb Company 3.200%, 06/15/2026	1,710,000	1,944,181
3.400%, 07/26/2029	1,113,000	1,298,850
3.450%, 11/15/2027	1,221,000	1,402,570
3.875%, 08/15/2025	942,000	1,084,410
3.900%, 02/20/2028	1,309,000	1,526,531
4.250%, 10/26/2049	689,000	914,589
4.350%, 11/15/2047	406,000	541,255
Cigna Corp. 3.400%, 09/17/2021 to 03/01/2027	3,924,000	4,227,463
3.875%, 10/15/2047	1,796,000	2,019,306
4.375%, 10/15/2028	425,000	508,610
CVS Health Corp. 1.300%, 08/21/2027	2,253,000	2,238,823
2.700%, 08/21/2040	628,000	611,530
3.000%, 08/15/2026	913,000	1,001,716
3.700%, 03/09/2023	974,000	1,048,427
4.780%, 03/25/2038	652,000	798,657
Danaher Corp. 3.350%, 09/15/2025	848,000	948,396
DH Europe Finance II Sarl 2.050%, 11/15/2022	1,352,000	1,398,146
2.200%, 11/15/2024	2,316,000	2,454,813
2.600%, 11/15/2029	2,911,000	3,166,541
3.400%, 11/15/2049	705,000	821,085

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Eli Lilly & Company		
2.250%, 05/15/2050	\$ 1,282,000	\$ 1,214,985
2.500%, 09/15/2060	1,288,000	1,221,888
HCA, Inc.		
5.250%, 06/15/2049	451,000	563,310
Johnson & Johnson		
1.300%, 09/01/2030	863,000	872,245
2.100%, 09/01/2040	302,000	301,041
2.450%, 09/01/2060	430,000	419,663
Merck & Company, Inc.		
1.450%, 06/24/2030	1,780,000	1,805,427
2.350%, 06/24/2040	619,000	628,945
2.450%, 06/24/2050	619,000	617,394
3.700%, 02/10/2045	589,000	715,350
Perrigo Finance Unlimited Company		
4.900%, 12/15/2044	737,000	795,371
Pfizer, Inc.		
2.550%, 05/28/2040	1,289,000	1,345,685
2.700%, 05/28/2050	396,000	410,932
2.800%, 03/11/2022	813,000	844,004
Regeneron Pharmaceuticals, Inc.		
1.750%, 09/15/2030	3,438,000	3,352,579
2.800%, 09/15/2050	1,289,000	1,225,606
Royalty Pharma PLC		
0.750%, 09/02/2023 (C)	1,295,000	1,294,290
1.200%, 09/02/2025 (C)	1,295,000	1,291,311
3.550%, 09/02/2050 (C)	604,000	578,859
Shire Acquisitions Investments Ireland DAC		
2.875%, 09/23/2023	1,759,000	1,873,005
Stryker Corp.		
1.150%, 06/15/2025	1,812,000	1,840,747
1.950%, 06/15/2030	1,649,000	1,691,304
2.900%, 06/15/2050	1,270,000	1,319,163
Takeda Pharmaceutical Company, Ltd.		
2.050%, 03/31/2030	2,164,000	2,196,763
3.175%, 07/09/2050	1,428,000	1,450,945
3.375%, 07/09/2060	588,000	607,314
4.400%, 11/26/2023	1,642,000	1,834,902
Thermo Fisher Scientific, Inc.		
4.497%, 03/25/2030	3,156,000	3,924,782
UnitedHealth Group, Inc.		
2.000%, 05/15/2030	483,000	505,658
2.750%, 05/15/2040	1,078,000	1,136,973
3.125%, 05/15/2060	448,000	487,627
3.500%, 08/15/2039	289,000	334,876
3.700%, 12/15/2025	913,000	1,049,752
3.750%, 10/15/2047	728,000	868,986
3.875%, 08/15/2059	463,000	576,091
Upjohn, Inc.		
4.000%, 06/22/2050 (C)	863,000	939,681
		109,189,772
Industrials – 2.1%		
Adani Ports & Special Economic Zone, Ltd.		
4.200%, 08/04/2027 (C)	1,556,000	1,594,376
AerCap Ireland Capital DAC		
3.500%, 05/26/2022	828,000	832,510
3.950%, 02/01/2022	458,000	463,780
4.450%, 04/03/2026	526,000	530,173
4.625%, 07/01/2022	389,000	398,608
4.875%, 01/16/2024	899,000	926,788
6.500%, 07/15/2025	1,747,000	1,900,054
Aviation Capital Group LLC		
5.500%, 12/15/2024 (C)	2,256,000	2,320,040

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Burlington Northern Santa Fe LLC		
3.050%, 02/15/2051	\$ 605,000	\$ 665,377
Crowley Conro LLC		
4.181%, 08/15/2043	840,187	1,053,441
CSX Corp.		
4.300%, 03/01/2048	108,000	136,129
4.750%, 11/15/2048	587,000	787,777
Deere & Company		
2.750%, 04/15/2025	1,765,000	1,931,333
3.750%, 04/15/2050	777,000	953,334
General Dynamics Corp.		
4.250%, 04/01/2040	352,000	441,473
General Electric Company		
3.100%, 01/09/2023	296,000	312,037
3.450%, 05/01/2027	2,518,000	2,673,293
3.625%, 05/01/2030	1,292,000	1,330,082
5.875%, 01/14/2038	141,000	162,828
Highwoods Realty LP		
2.600%, 02/01/2031	989,000	982,617
Hutama Karya Persero PT		
3.750%, 05/11/2030 (C)	933,000	1,020,702
International Lease Finance Corp.		
5.875%, 08/15/2022	646,000	699,831
John Deere Capital Corp.		
0.550%, 07/05/2022	2,589,000	2,602,125
1.200%, 04/06/2023	1,994,000	2,037,897
1.750%, 03/09/2027	1,195,000	1,249,815
Northrop Grumman Corp.		
2.550%, 10/15/2022	2,677,000	2,800,349
2.930%, 01/15/2025	120,000	130,931
3.250%, 08/01/2023 to 01/15/2028	3,994,000	4,397,912
4.030%, 10/15/2047	879,000	1,070,474
5.150%, 05/01/2040	1,319,000	1,783,073
Raytheon Technologies Corp.		
3.650%, 08/16/2023	173,000	188,347
3.950%, 08/16/2025	1,219,000	1,394,419
4.450%, 11/16/2038	1,135,000	1,399,682
Southwest Airlines Company		
4.750%, 05/04/2023	1,809,000	1,930,061
5.125%, 06/15/2027	2,714,000	2,959,931
The Boeing Company		
2.700%, 02/01/2027	990,000	960,610
2.950%, 02/01/2030	897,000	874,370
3.750%, 02/01/2050	962,000	860,495
5.150%, 05/01/2030	437,000	489,294
Union Pacific Corp.		
2.150%, 02/05/2027	1,339,000	1,425,965
2.400%, 02/05/2030	1,657,000	1,790,286
2.950%, 03/01/2022	1,500,000	1,558,074
3.150%, 03/01/2024	718,000	777,304
3.250%, 02/05/2050	2,128,000	2,331,403
3.750%, 02/05/2070	269,000	303,241
4.300%, 03/01/2049	222,000	285,484
		57,718,125
Information technology – 2.8%		
Adobe, Inc.		
2.300%, 02/01/2030	1,294,000	1,397,848
Apple, Inc.		
2.050%, 09/11/2026	2,715,000	2,918,805
2.550%, 08/20/2060	1,978,000	1,931,873
2.650%, 05/11/2050	1,641,000	1,685,778
3.200%, 05/13/2025	622,000	697,357
4.250%, 02/09/2047	740,000	972,287
Broadcom Corp.		
3.875%, 01/15/2027	2,051,000	2,272,781

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
Broadcom, Inc.		
3.150%, 11/15/2025	\$ 4,738,000	\$ 5,129,070
4.150%, 11/15/2030	2,688,000	3,023,154
4.250%, 04/15/2026	1,451,000	1,645,188
4.700%, 04/15/2025	2,132,000	2,436,424
Dell International LLC		
4.900%, 10/01/2026 (C)	431,000	487,651
5.300%, 10/01/2029 (C)	869,000	991,100
6.100%, 07/15/2027 (C)	863,000	1,015,647
Fiserv, Inc.		
3.200%, 07/01/2026	1,451,000	1,626,478
3.500%, 07/01/2029	1,553,000	1,766,310
4.200%, 10/01/2028	144,000	171,240
Flex, Ltd.		
4.875%, 05/12/2030	2,254,000	2,565,470
HP, Inc.		
2.200%, 06/17/2025	2,731,000	2,885,495
IBM Corp.		
3.300%, 05/15/2026	457,000	518,774
4.150%, 05/15/2039	655,000	802,861
Intel Corp.		
4.600%, 03/25/2040	860,000	1,139,395
KLA Corp.		
3.300%, 03/01/2050	1,152,000	1,221,602
Micron Technology, Inc.		
2.497%, 04/24/2023	2,673,000	2,791,221
Microsoft Corp.		
2.525%, 06/01/2050	691,000	722,915
2.675%, 06/01/2060	1,094,000	1,149,592
2.875%, 02/06/2024	516,000	556,853
4.100%, 02/06/2037	857,000	1,103,069
NVIDIA Corp.		
2.850%, 04/01/2030	1,341,000	1,494,730
3.500%, 04/01/2050	3,043,000	3,439,792
NXP BV		
2.700%, 05/01/2025 (C)	858,000	914,718
3.150%, 05/01/2027 (C)	1,460,000	1,595,208
3.400%, 05/01/2030 (C)	987,000	1,092,721
3.875%, 06/18/2026 (C)	3,001,000	3,385,279
4.300%, 06/18/2029 (C)	1,133,000	1,318,560
Oracle Corp.		
2.625%, 02/15/2023	1,121,000	1,178,886
2.800%, 04/01/2027	2,585,000	2,835,628
2.950%, 11/15/2024	599,000	653,883
3.800%, 11/15/2037	612,000	708,581
3.850%, 04/01/2060	1,427,000	1,646,377
4.000%, 11/15/2047	1,303,000	1,531,991
PayPal Holdings, Inc.		
1.350%, 06/01/2023	2,336,000	2,390,251
1.650%, 06/01/2025	3,270,000	3,394,627
ServiceNow, Inc.		
1.400%, 09/01/2030	1,802,000	1,769,687
Texas Instruments, Inc.		
1.375%, 03/12/2025	1,072,000	1,111,494
		76,088,651
Materials – 0.9%		
Barrick North America Finance LLC		
5.700%, 05/30/2041	1,034,000	1,457,560
5.750%, 05/01/2043	392,000	570,254
DuPont de Nemours, Inc.		
4.205%, 11/15/2023	139,000	153,569
Georgia-Pacific LLC		
1.750%, 09/30/2025 (C)	2,856,000	2,985,295
2.100%, 04/30/2027 (C)	1,378,000	1,451,161
2.300%, 04/30/2030 (C)	1,453,000	1,541,710

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
International Paper Company		
4.400%, 08/15/2047	\$ 850,000	\$ 1,020,757
Newmont Corp.		
2.250%, 10/01/2030	1,354,000	1,413,580
Nucor Corp.		
2.000%, 06/01/2025	903,000	947,205
2.700%, 06/01/2030	903,000	971,248
Nutrien, Ltd.		
2.950%, 05/13/2030	1,160,000	1,262,281
5.000%, 04/01/2049	1,309,000	1,705,493
Reliance Steel & Aluminum Company		
1.300%, 08/15/2025	713,000	714,510
2.150%, 08/15/2030	1,855,000	1,836,381
Steel Dynamics, Inc.		
2.400%, 06/15/2025	655,000	689,523
3.250%, 01/15/2031	655,000	703,254
Teck Resources, Ltd.		
3.900%, 07/15/2030 (C)	969,000	992,930
The Dow Chemical Company		
2.100%, 11/15/2030	2,590,000	2,556,653
3.600%, 11/15/2050	914,000	936,182
		23,909,546
Real estate – 1.2%		
Agree LP		
2.900%, 10/01/2030	628,000	644,201
Crown Castle International Corp.		
3.300%, 07/01/2030	2,430,000	2,696,797
4.000%, 03/01/2027	422,000	484,844
Equinix, Inc.		
2.625%, 11/18/2024	1,142,000	1,222,111
2.900%, 11/18/2026	2,383,000	2,601,187
Federal Realty Investment Trust		
3.950%, 01/15/2024	1,343,000	1,456,014
GLP Capital LP		
4.000%, 01/15/2030	701,000	727,358
5.300%, 01/15/2029	856,000	946,719
Healthpeak Properties, Inc.		
2.875%, 01/15/2031	850,000	906,801
Kilroy Realty LP		
2.500%, 11/15/2032	1,076,000	1,053,224
Kimco Realty Corp.		
1.900%, 03/01/2028	896,000	881,317
Mid-America Apartments LP		
1.700%, 02/15/2031	795,000	781,395
3.600%, 06/01/2027	126,000	141,435
3.750%, 06/15/2024	1,984,000	2,157,170
3.950%, 03/15/2029	852,000	988,074
4.000%, 11/15/2025	1,038,000	1,179,260
4.300%, 10/15/2023	868,000	948,927
Realty Income Corp.		
3.250%, 01/15/2031	1,935,000	2,150,209
Regency Centers LP		
2.950%, 09/15/2029	1,843,000	1,899,063
Spirit Realty LP		
3.200%, 02/15/2031	1,999,000	1,952,250
3.400%, 01/15/2030	1,021,000	1,016,284
4.000%, 07/15/2029	491,000	514,234
4.450%, 09/15/2026	97,000	104,938
STORE Capital Corp.		
4.500%, 03/15/2028	3,190,000	3,370,276
4.625%, 03/15/2029	1,080,000	1,151,451
VEREIT Operating Partnership LP		
3.400%, 01/15/2028	905,000	936,603
		32,912,142

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities – 3.0%		
Alabama Power Company 3.450%, 10/01/2049	\$ 1,178,000	\$ 1,347,077
Ameren Corp. 3.500%, 01/15/2031	404,000	463,079
Arizona Public Service Company 3.150%, 05/15/2025	1,718,000	1,894,785
Black Hills Corp. 3.050%, 10/15/2029	1,452,000	1,581,272
CenterPoint Energy Houston Electric LLC 3.875%, 10/15/2049	762,000	870,733
CenterPoint Energy Houston Electric LLC 2.900%, 07/01/2050	585,000	624,002
CenterPoint Energy Resources Corp. 4.100%, 09/01/2047	828,000	950,003
CenterPoint Energy, Inc. 2.500%, 09/01/2022 to 09/01/2024	2,018,000	2,142,635
2.950%, 03/01/2030	719,000	790,507
Consumers Energy Company 2.500%, 05/01/2060	718,000	694,764
Dominion Energy, Inc. 2.000%, 08/15/2021	1,193,000	1,209,095
2.850%, 08/15/2026	1,099,000	1,213,530
DTE Electric Company 2.950%, 03/01/2050	1,873,000	1,984,218
DTE Energy Company 1.050%, 06/01/2025	1,720,000	1,728,579
2.529%, 10/01/2024	227,000	241,783
2.950%, 03/01/2030	1,135,000	1,226,953
3.800%, 03/15/2027	1,708,000	1,922,053
Duke Energy Corp. 1.800%, 09/01/2021	1,786,000	1,810,135
2.450%, 06/01/2030	1,394,000	1,470,312
2.650%, 09/01/2026	1,107,000	1,208,364
Duke Energy Ohio, Inc. 2.125%, 06/01/2030	1,297,000	1,370,976
Duke Energy Progress LLC 2.500%, 08/15/2050	1,031,000	1,013,101
Evergy Kansas Central, Inc. 3.450%, 04/15/2050	2,293,000	2,625,651
Evergy Metro, Inc. 2.250%, 06/01/2030	1,729,000	1,842,120
Evergy, Inc. 2.450%, 09/15/2024	1,584,000	1,680,754
2.900%, 09/15/2029	1,125,000	1,216,641
Exelon Corp. 4.700%, 04/15/2050	1,566,000	2,010,679
FirstEnergy Corp. 1.600%, 01/15/2026	10,000	9,907
3.900%, 07/15/2027	1,584,000	1,736,715
4.250%, 03/15/2023	1,723,000	1,827,499
Interstate Power & Light Company 3.500%, 09/30/2049	650,000	731,326
ITC Holdings Corp. 2.700%, 11/15/2022	1,706,000	1,781,497
Metropolitan Edison Company 4.300%, 01/15/2029 (C)	1,339,000	1,576,493
MidAmerican Energy Company 3.650%, 08/01/2048	901,000	1,090,022
Mississippi Power Company 3.950%, 03/30/2028	2,081,000	2,380,420
4.250%, 03/15/2042	1,250,000	1,475,881
NextEra Energy Capital Holdings, Inc. 2.250%, 06/01/2030	2,701,000	2,829,211
2.750%, 05/01/2025	1,449,000	1,575,799

Core Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Utilities (continued)		
NiSource, Inc. 0.950%, 08/15/2025	\$ 2,253,000	\$ 2,258,644
Oncor Electric Delivery Company LLC 3.700%, 11/15/2028	1,295,000	1,524,304
Pacific Gas & Electric Company 2.100%, 08/01/2027	1,697,000	1,656,185
2.500%, 02/01/2031	2,324,000	2,258,177
3.300%, 12/01/2027 (D)	1,300,000	1,336,976
3.300%, 08/01/2040	571,000	539,063
3.950%, 12/01/2047 (D)	598,000	561,969
4.500%, 07/01/2040	430,000	451,039
4.550%, 07/01/2030	1,889,000	2,086,915
Pennsylvania Electric Company 3.250%, 03/15/2028 (C)	718,000	779,422
PPL Capital Funding, Inc. 3.100%, 05/15/2026	2,059,000	2,289,744
3.400%, 06/01/2023	244,000	260,083
4.125%, 04/15/2030	2,202,000	2,601,407
5.000%, 03/15/2044	1,135,000	1,446,767
Public Service Electric & Gas Company 2.050%, 08/01/2050	344,000	313,995
2.700%, 05/01/2050	1,882,000	1,951,937
Southern California Edison Company 2.850%, 08/01/2029	862,000	916,337
4.125%, 03/01/2048	1,382,000	1,527,554
4.650%, 10/01/2043	406,000	470,175
Southern Company Gas Capital Corp. 1.750%, 01/15/2031	1,726,000	1,709,023
Trans-Allegheny Interstate Line Company 3.850%, 06/01/2025 (C)	595,000	653,625
		81,741,912
TOTAL CORPORATE BONDS (Cost \$837,011,780)		\$ 889,696,632
MUNICIPAL BONDS – 0.4%		
County of Clark Department of Aviation (Nevada) 6.820%, 07/01/2045	1,115,000	1,827,184
Los Angeles Community College District (California) 6.750%, 08/01/2049	925,000	1,698,938
North Texas Tollway Authority 6.718%, 01/01/2049	1,390,000	2,499,262
Port Authority of New York & New Jersey 4.458%, 10/01/2062	3,060,000	3,996,911
The Ohio State University 4.800%, 06/01/2111	600,000	891,336
University of Texas 2.439%, 08/15/2049	765,000	789,442
TOTAL MUNICIPAL BONDS (Cost \$9,401,268)	\$	11,703,073
COLLATERALIZED MORTGAGE OBLIGATIONS – 8.1%		
Commercial and residential – 4.0%		
Angel Oak Mortgage Trust Series 2020-2, Class A1A 2.531%, 01/26/2065 (C)(E)	1,970,960	2,005,194
Angel Oak Mortgage Trust I LLC Series 2019-2, Class A1 3.628%, 03/25/2049 (C)(E)	1,047,491	1,068,635
Angel Oak Mortgage Trust LLC Series 2020-5, Class A1 1.373%, 05/25/2065 (C)(E)	1,117,000	1,116,999

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Benchmark Mortgage Trust		
Series 2018-B1, Class ASB, 3.602%, 01/15/2051 (E)	\$ 532,000	\$ 593,818
Series 2020-B18, Class A5, 1.925%, 07/15/2053	1,330,000	1,365,898
Bunker Hill Loan Depository Trust		
Series 2019-1, Class A1, 3.613%, 10/26/2048 (C)	1,352,584	1,388,337
Series 2019-2, Class A1, 2.879%, 07/25/2049 (C)	2,408,440	2,458,705
CD Mortgage Trust		
Series 2016-CD1, Class A1, 1.443%, 08/10/2049	132,772	132,873
Series 2017-CD4, Class A4, 3.514%, 05/10/2050 (E)	4,839,000	5,455,267
Series 2017-CD4, Class ASB, 3.317%, 05/10/2050	702,000	765,391
Series 2017-CD6, Class ASB, 3.332%, 11/13/2050	1,764,000	1,940,983
CFCRE Commercial Mortgage Trust		
Series 2016-C3, Class A1, 1.793%, 01/10/2048	99,417	99,489
Series 2017-C8, Class A1, 1.965%, 06/15/2050	86,050	86,058
Series 2017-C8, Class ASB, 3.367%, 06/15/2050	733,000	797,103
Citigroup Commercial Mortgage Trust		
Series 2016-P5, Class A1 1.410%, 10/10/2049	779,593	779,984
COLT Mortgage Loan Trust		
Series 2019-1, Class A1, 3.705%, 03/25/2049 (C)(E)	486,446	492,420
Series 2019-2, Class A1, 3.337%, 05/25/2049 (C)(E)	1,656,804	1,673,077
Series 2019-4, Class A1, 2.579%, 11/25/2049 (C)(E)	2,023,917	2,036,482
Series 2020-2, Class A1, 1.853%, 03/25/2065 (C)(E)	2,017,909	2,025,560
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG)		
Series 2013-CR6, Class A4, 3.101%, 03/10/2046	3,716,000	3,847,671
Series 2015-LC21, Class A4, 3.708%, 07/10/2048	753,000	830,768
Series 2015-LC23, Class A4, 3.774%, 10/10/2048	1,507,000	1,687,764
Series 2016-COR1, Class ASB, 2.972%, 10/10/2049	562,000	599,817
CSAIL Commercial Mortgage Trust		
Series 2015-C2, Class A4, 3.504%, 06/15/2057	6,737,176	7,337,698
Series 2015-C4, Class A4, 3.808%, 11/15/2048	898,000	999,662
Series 2016-C5, Class ASB, 3.533%, 11/15/2048	279,000	296,793
DBJPM Mortgage Trust		
Series 2017-C6, Class ASB, 3.121%, 06/10/2050	416,000	451,097
Series 2020-C9, Class A5, 1.926%, 09/15/2053	1,773,000	1,823,615
GCAT Trust		
Series 2019-NQM1, Class A1 2.985%, 02/25/2059 (C)	891,833	902,302

Core Bond Fund (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
GS Mortgage Securities Trust		
Series 2014-GC18, Class A3, 3.801%, 01/10/2047	\$ 565,161	\$ 602,788
Series 2014-GC18, Class A4, 4.074%, 01/10/2047	2,580,000	2,796,755
Series 2015-GC28, Class A5, 3.396%, 02/10/2048	1,593,000	1,733,650
Series 2015-GC34, Class A4, 3.506%, 10/10/2048	1,606,000	1,774,973
Impact Funding Affordable Multifamily Housing Mortgage Loan Trust		
Series 2010-1, Class A1 5.314%, 01/25/2051 (C)	3,077,241	3,297,096
JPMBB Commercial Mortgage Securities Trust		
Series 2014-C23, Class A4, 3.670%, 09/15/2047	793,000	852,015
Series 2014-C26, Class A4, 3.494%, 01/15/2048	1,460,000	1,591,108
Series 2015-C28, Class A3, 2.912%, 10/15/2048	2,889,381	3,061,537
Series 2015-C29, Class A4, 3.611%, 05/15/2048	1,130,000	1,244,150
Series 2015-C33, Class A4, 3.770%, 12/15/2048	437,000	488,890
JPMCC Commercial Mortgage Securities Trust		
Series 2017-JP6, Class ASB 3.283%, 07/15/2050	781,000	850,880
JPMDB Commercial Mortgage Securities Trust		
Series 2017-C5, Class ASB, 3.492%, 03/15/2050	281,000	307,492
Series 2018-C8, Class ASB, 4.145%, 06/15/2051	841,000	967,266
Series 2020-COR7, Class A5, 2.180%, 05/13/2053	888,000	927,476
Morgan Stanley Bank of America Merrill Lynch Trust		
Series 2013-C10, Class A4, 4.218%, 07/15/2046 (E)	260,000	278,055
Series 2015-C20, Class A4, 3.249%, 02/15/2048	231,000	249,514
Series 2015-C25, Class ASB, 3.383%, 10/15/2048	842,000	889,520
Series 2015-C27, Class A4, 3.753%, 12/15/2047	226,000	249,889
Morgan Stanley Capital I Trust		
Series 2016-UB11, Class A1, 1.445%, 08/15/2049	178,236	178,234
Series 2016-UB11, Class ASB, 2.606%, 08/15/2049	646,000	678,761
Series 2020-HR8, Class A4, 2.041%, 07/15/2053	1,331,000	1,366,145
New Residential Mortgage Loan Trust		
Series 2019-NQM2, Class A1, 3.600%, 04/25/2049 (C)(E)	1,130,390	1,152,549
Series 2019-NQM4, Class A1, 2.492%, 09/25/2059 (C)(E)	1,894,409	1,930,065
SG Residential Mortgage Trust		
Series 2019-3, Class A1 2.703%, 09/25/2059 (C)(E)	1,879,345	1,894,983

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
Starwood Mortgage Residential Trust		
Series 2019-INV1, Class A1, 2.610%, 09/27/2049 (C)(E)	\$ 2,071,100	\$ 2,095,588
Series 2020-1, Class A1, 2.275%, 02/25/2050 (C)(E)	3,693,509	3,753,367
Series 2020-3, Class A1, 1.486%, 04/25/2065 (C)(E)	2,838,811	2,837,230
Verus Securitization Trust		
Series 2019-1, Class A1, 3.836%, 02/25/2059 (C)(E)	1,168,177	1,190,033
Series 2019-2, Class A1, 3.211%, 05/25/2059 (C)(E)	3,264,567	3,329,100
Series 2019-3, Class A1, 2.784%, 07/25/2059 (C)	3,979,305	4,043,033
Series 2019-4, Class A1, 2.642%, 11/25/2059 (C)	5,550,021	5,671,841
Series 2019-INV1, Class A1, 3.402%, 12/25/2059 (C)(E)	1,125,255	1,151,294
Series 2019-INV2, Class A1, 2.913%, 07/25/2059 (C)(E)	2,145,473	2,186,565
Series 2019-INV3, Class A1, 2.692%, 11/25/2059 (C)(E)	2,580,574	2,613,261
Series 2020-1, Class A1, 2.417%, 01/25/2060 (C)(E)	1,271,706	1,297,515
Series 2020-2, Class A1, 2.226%, 05/25/2060 (C)(E)	3,257,606	3,276,328
Visio Trust		
Series 2019-1, Class A1 3.572%, 06/25/2054 (C)(E)	1,166,487	1,182,287
		109,050,693
U.S. Government Agency – 4.1%		
Federal Home Loan Mortgage Corp.		
Series 264, Class 30, 3.000%, 07/15/2042	4,135,768	4,459,122
Series 343, Class F4 (1 month LIBOR + 0.350%), 2.852%, 10/15/2037 (B)	2,467,606	2,456,082
Series 4205, Class PA, 1.750%, 05/15/2043	1,662,622	1,717,653
Series 4426, Class QC, 1.750%, 07/15/2037	2,740,816	2,836,670
Series 4705, Class A, 4.500%, 09/15/2042	1,109,201	1,150,761
Series 4742, Class PA, 3.000%, 10/15/2047	4,106,158	4,347,299
Series 4763, Class CA, 3.000%, 09/15/2038	493,639	534,127
Series 4767, Class KA, 3.000%, 03/15/2048	785,752	854,389
Series 4786, Class DP, 4.500%, 07/15/2042	452,085	456,324
Series 4846, Class PF (1 month LIBOR + 0.350%), 0.512%, 12/15/2048 (B)	729,883	731,145
Series 4880, Class DA, 3.000%, 05/15/2050	3,569,175	3,844,413
Series 4988, Class AF (1 month LIBOR + 0.350%), 0.521%, 10/15/2037 (B)	8,185,342	8,183,397
Federal National Mortgage Association		
Series 1998-61, Class PL, 6.000%, 11/25/2028	201,970	229,843

Core Bond Fund (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2012-151, Class NX, 1.500%, 01/25/2043	\$ 2,139,298	\$ 2,213,222
Series 2013-11, Class AP, 1.500%, 01/25/2043	5,307,926	5,436,698
Series 2013-30, Class CA, 1.500%, 04/25/2043	488,975	500,510
Series 2013-43, Class BP, 1.750%, 05/25/2043	2,376,114	2,474,870
Series 2014-73, Class MA, 2.500%, 11/25/2044	1,464,180	1,563,906
Series 2015-84, Class PA, 1.700%, 08/25/2033	6,829,531	7,070,758
Series 2016-48, Class MA, 2.000%, 06/25/2038	8,891,858	9,227,678
Series 2016-57, Class PC, 1.750%, 06/25/2046	13,190,394	13,657,750
Series 2017-13, Class PA, 3.000%, 08/25/2046	1,562,671	1,674,012
Series 2017-42, Class H, 3.000%, 11/25/2043	1,738,673	1,800,905
Series 2017-M7, Class A2, 2.961%, 02/25/2027 (E)	633,000	699,046
Series 2018-14, Class KC, 3.000%, 03/25/2048	2,232,945	2,415,252
Series 2018-15, Class AB, 3.000%, 03/25/2048	647,609	699,757
Series 2018-8, Class KL, 2.500%, 03/25/2047	2,076,655	2,181,641
Series 2019-25, Class PA, 3.000%, 05/25/2048	4,177,202	4,488,602
Series 2019-35, Class MB, 3.000%, 07/25/2049	2,995,962	3,232,585
Series 2019-8, Class GA, 3.000%, 03/25/2049	7,089,562	7,454,260
Series 414, Class A35, 3.500%, 10/25/2042	2,024,334	2,171,563
Government National		
Mortgage Association		
Series 2012-141, Class WA, 4.539%, 11/16/2041 (E)	450,128	497,559
Series 2017-167, Class BQ, 2.500%, 08/20/2044	1,877,228	1,947,206
Series 2019-132, Class NA, 3.500%, 09/20/2049	4,669,911	4,863,084
Series 2019-31, Class JC, 3.500%, 03/20/2049	2,422,078	2,558,571
		110,630,660
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS		
(Cost \$211,359,188)		\$ 219,681,353
ASSET BACKED SECURITIES – 9.5%		
Americredit Automobile		
Receivables Trust		
Series 2020-1, Class A2A 1.100%, 03/20/2023	567,000	569,019
Series 2020-2, Class A2A 0.600%, 12/18/2023	4,325,000	4,329,047
Avis Budget Rental Car Funding		
AESOP LLC		
Series 2017-1A, Class A 3.070%, 09/20/2023 (C)	939,000	959,507

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Avis Budget Rental Car Funding AESOP LLC (continued)		
Series 2019-3A, Class A 2.360%, 03/20/2026 (C)	\$ 1,615,000	\$ 1,648,927
Series 2020-2A, Class A 2.020%, 02/20/2027 (C)	5,849,000	5,862,623
Capital One Multi-Asset Execution Trust		
Series 2016-A2, Class A2 (1 month LIBOR + 0.630%)	3,814,000	3,828,010
Series 2016-A7, Class A7 (1 month LIBOR + 0.510%)	2,272,000	2,282,359
0.672%, 09/16/2024 (B)		
CNH Equipment Trust		
Series 2020-A, Class A3 1.160%, 06/16/2025	1,960,000	1,987,026
Series 2020-A, Class A4 1.510%, 04/15/2027	551,000	567,181
College Ave Student Loans LLC		
Series 2017-A, Class A1 (1 month LIBOR + 1.650%)	943,465	938,484
Series 2018-A, Class A2 4.130%, 12/26/2047 (C)	1,071,563	1,166,711
Series 2019-A, Class A2 3.280%, 12/28/2048 (C)	1,079,168	1,139,110
Ford Credit Auto Lease Trust		
Series 2020-B, Class A3 0.620%, 08/15/2023	4,941,000	4,960,533
Ford Credit Auto Owner Trust		
Series 2018-1, Class A 3.190%, 07/15/2031 (C)	7,349,000	8,111,997
Series 2018-2, Class A 3.470%, 01/15/2030 (C)	4,408,000	4,770,376
Series 2019-1, Class A 3.520%, 07/15/2030 (C)	3,514,000	3,852,902
Series 2020-1, Class A 2.040%, 08/15/2031 (C)	7,009,000	7,398,976
Series 2020-A, Class A3 1.040%, 08/15/2024	2,036,000	2,061,570
Series 2020-B, Class A4 0.790%, 11/15/2025	1,756,000	1,775,350
GM Financial Automobile Leasing Trust		
Series 2020-2, Class A4 1.010%, 07/22/2024	512,000	518,735
GM Financial Consumer Automobile Receivables Trust		
Series 2020-2, Class A3 1.490%, 12/16/2024	389,000	397,895
Mercedes-Benz Auto Receivables Trust		
Series 2020-1, Class A3 0.550%, 02/18/2025	3,411,000	3,427,664
Series 2020-1, Class A4 0.770%, 10/15/2026	898,000	906,977
Navient Private Education Loan Trust		
Series 2016-AA, Class A2B (1 month LIBOR + 2.150%)	677,854	688,819
2.312%, 12/15/2045 (B)(C)		
Series 2018-BA, Class A2A 3.610%, 12/15/2059 (C)	1,307,546	1,356,573
Navient Private Education Refi Loan Trust		
Series 2018-A, Class A2 3.190%, 02/18/2042 (C)	6,751,719	6,887,057
Series 2018-CA, Class A2 3.520%, 06/16/2042 (C)	748,492	769,464

Core Bond Fund (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Navient Private Education Refi Loan Trust (continued)		
Series 2018-DA, Class A2A 4.000%, 12/15/2059 (C)	\$ 3,186,000	\$ 3,365,458
Series 2019-CA, Class A2 3.130%, 02/15/2068 (C)	3,693,000	3,822,567
Series 2019-D, Class A2A 3.010%, 12/15/2059 (C)	5,091,000	5,347,904
Series 2019-D, Class A2B (1 month LIBOR + 1.050%)	2,053,000	2,053,085
1.212%, 12/15/2059 (B)(C)		
Series 2019-FA, Class A2 2.600%, 08/15/2068 (C)	5,329,000	5,504,202
Series 2019-GA, Class A 2.400%, 10/15/2068 (C)	4,663,831	4,774,260
Series 2020-A, Class A2A 2.460%, 11/15/2068 (C)	3,338,000	3,465,125
Series 2020-A, Class A2B (1 month LIBOR + 0.900%)	2,393,000	2,379,262
1.062%, 11/15/2068 (B)(C)		
Series 2020-BA, Class A2 2.120%, 01/15/2069 (C)	2,124,000	2,155,364
Series 2020-CA, Class A2A 2.150%, 11/15/2068 (C)	2,018,000	2,048,724
Series 2020-DA, Class A 1.690%, 05/15/2069 (C)	2,113,009	2,136,415
Series 2020-EA, Class A 1.690%, 05/15/2069 (C)	1,176,916	1,190,282
Series 2020-FA, Class A 1.220%, 07/15/2069 (C)	1,245,000	1,246,792
Navient Student Loan Trust		
Series 2016-3A, Class A2 (1 month LIBOR + 0.850%)	112,724	112,741
1.025%, 06/25/2065 (B)(C)		
Series 2018-EA, Class A2 4.000%, 12/15/2059 (C)	1,964,000	2,041,826
Series 2019-BA, Class A2A 3.390%, 12/15/2059 (C)	3,938,000	4,138,809
Series 2020-1A, Class A1B (1 month LIBOR + 1.050%)	5,534,000	5,582,729
1.199%, 06/25/2069 (B)(C)		
Nelnet Student Loan Trust		
Series 2004-3, Class A5 (3 month LIBOR + 0.180%)	602,855	590,756
1.171%, 10/27/2036 (B)		
Series 2004-4, Class A5 (3 month LIBOR + 0.160%)	1,849,442	1,786,556
0.405%, 01/25/2037 (B)		
Series 2005-1, Class A5 (3 month LIBOR + 0.110%)	7,116,119	6,818,836
0.355%, 10/25/2033 (B)		
Series 2005-2, Class A5 (3 month LIBOR + 0.100%)	9,263,305	8,888,995
0.406%, 03/23/2037 (B)		
Series 2005-3, Class A5 (3 month LIBOR + 0.120%)	5,800,315	5,599,839
0.426%, 12/24/2035 (B)		
Series 2005-4, Class A4 (3 month LIBOR + 0.180%)	621,419	582,504
0.486%, 03/22/2032 (B)		
Series 2012-2A, Class A (1 month LIBOR + 0.800%)	4,064,146	4,017,847
0.975%, 12/26/2033 (B)(C)		
Series 2014-1A, Class A (1 month LIBOR + 0.570%)	563,456	546,822
0.745%, 09/25/2041 (B)(C)		

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Santander Drive Auto Receivables Trust		
Series 2020-1, Class A3 2.030%, 02/15/2024	\$ 1,025,000	\$ 1,045,953
Series 2020-2, Class A2A 0.620%, 05/15/2023	4,990,000	4,993,739
Santander Revolving Auto Loan Trust		
Series 2019-A, Class A 2.510%, 01/26/2032 (C)	6,020,000	6,415,910
SLC Student Loan Trust		
Series 2008-1, Class A4A (3 month LIBOR + 1.600%) 1.913%, 12/15/2032 (B)	1,590,814	1,584,906
SLM Student Loan Trust		
Series 2003-1, Class A5C (3 month LIBOR + 0.750%) 1.063%, 12/15/2032 (B)(C)	889,290	824,624
Series 2007-2, Class A4 (3 month LIBOR + 0.060%) 0.305%, 07/25/2022 (B)	2,231,336	2,088,224
Series 2010-1, Class A (1 month LIBOR + 0.400%) 0.575%, 03/25/2025 (B)	347,572	330,810
Series 2012-1, Class A3 (1 month LIBOR + 0.950%) 1.125%, 09/25/2028 (B)	3,217,373	3,068,175
Series 2012-2, Class A (1 month LIBOR + 0.700%) 0.875%, 01/25/2029 (B)	2,967,818	2,789,752
Series 2012-6, Class A3 (1 month LIBOR + 0.750%) 0.925%, 05/26/2026 (B)	577,481	554,519
Series 2013-4, Class A (1 month LIBOR + 0.550%) 0.725%, 06/25/2043 (B)	4,521,672	4,414,768
SMB Private Education Loan Trust		
Series 2015-A, Class A2B (1 month LIBOR + 1.000%) 1.162%, 06/15/2027 (B)(C)	719,025	720,181
Series 2015-C, Class A2B (1 month LIBOR + 1.400%) 1.562%, 07/15/2027 (B)(C)	278,457	279,370
Series 2016-A, Class A2A 2.700%, 05/15/2031 (C)	1,871,988	1,913,819
Series 2016-B, Class A2A 2.430%, 02/17/2032 (C)	308,076	314,324
Series 2016-C, Class A2B (1 month LIBOR + 1.100%) 1.262%, 09/15/2034 (B)(C)	950,364	949,430
Series 2018-C, Class A2A 3.630%, 11/15/2035 (C)	1,826,415	1,921,367
Series 2019-A, Class A2A 3.440%, 07/15/2036 (C)	5,194,000	5,457,681
Series 2020-BA, Class A1A 1.290%, 07/15/2053 (C)	5,366,000	5,359,286
Series 2020-PTA, Class A2A 1.600%, 09/15/2054 (C)	11,177,000	11,252,236
SoFi Professional Loan Program LLC		
Series 2016-A, Class A2 2.760%, 12/26/2036 (C)	793,909	801,662
Series 2016-D, Class A1 (1 month LIBOR + 0.950%) 1.125%, 01/25/2039 (B)(C)	76,311	76,271
Series 2016-E, Class A1 (1 month LIBOR + 0.850%) 1.025%, 07/25/2039 (B)(C)	166,897	166,447

Core Bond Fund (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
SoFi Professional Loan		
Program LLC (continued)		
Series 2017-A, Class A1 (1 month LIBOR + 0.700%) 0.875%, 03/26/2040 (B)(C)	\$ 294,211	\$ 293,892
Series 2017-C, Class A1 (1 month LIBOR + 0.600%) 0.775%, 07/25/2040 (B)(C)	421,673	420,130
Series 2017-D, Class A2FX 2.650%, 09/25/2040 (C)	934,662	957,608
Series 2017-E, Class A1 (1 month LIBOR + 0.500%) 0.675%, 11/26/2040 (B)(C)	118,286	118,067
Series 2017-E, Class A2B 2.720%, 11/26/2040 (C)	3,091,987	3,142,236
Series 2018-A, Class A2B 2.950%, 02/25/2042 (C)	1,487,000	1,537,381
Series 2020-A, Class A2FX 2.540%, 05/15/2046 (C)	4,799,000	4,988,678
Series 2020-C, Class AFX 1.950%, 02/15/2046 (C)	3,885,924	3,963,819
SoFi Professional Loan Program Trust		
Series 2018-B, Class A2FX 3.340%, 08/25/2047 (C)	11,367,000	11,736,661
Triton Container Finance VIII LLC		
Series 2020-1A, Class A 2.110%, 09/20/2045 (C)	2,095,000	2,094,728
Verizon Owner Trust		
Series 2019-C, Class A1A 1.940%, 04/22/2024	2,176,000	2,231,383
Series 2020-A, Class A1A 1.850%, 07/22/2024	5,078,000	5,215,875
Series 2020-B, Class A 0.470%, 02/20/2025	7,126,000	7,123,378
Volkswagen Auto Loan Enhanced Trust		
Series 2020-1, Class A3 0.980%, 11/20/2024	2,639,000	2,670,581
Series 2020-1, Class A4 1.260%, 08/20/2026	925,000	947,594
TOTAL ASSET BACKED SECURITIES (Cost \$253,690,108)		\$ 258,126,057
SHORT-TERM INVESTMENTS – 8.0%		
Short-term funds – 8.0%		
State Street Institutional		
U.S. Government Money Market Fund, Premier Class, 0.0399% (F)	217,020,553	217,020,553
TOTAL SHORT-TERM INVESTMENTS (Cost \$217,020,553)	\$	217,020,553
Total Investments (Core Bond Fund) (Cost \$3,004,899,142) – 114.0%		
Other assets and liabilities, net – (14.0%)		
TOTAL NET ASSETS – 100.0%		
\$ 2,713,610,492		
Security Abbreviations and Legend		
CMT	Constant Maturity Treasury	
LIBOR	London Interbank Offered Rate	
SOFR	Secured Overnight Financing Rate	
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.	
(A)	Security purchased or sold on a when-issued or delayed delivery basis.	
(B)	Variable rate obligation. The coupon rate shown represents the rate at period end.	

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Core Bond Fund (continued)

- (C) 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. Rule 144A securities amounted to \$379,642,404 or 14.0% of the fund's net assets as of 8-31-20.
- (D) Non-income producing - Issuer is in default.
- (E) Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
- (F) The rate shown is the annualized seven-day yield as of 8-31-20.

High Yield Fund

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS – 1.0%		
Argentina – 0.5%		
Provincia de Buenos Aires		
7.875%, 06/15/2027 (A)	\$ 870,000	\$ 408,909
Republic of Argentina		
5.625%, 01/26/2022 (A)	470,000	223,250
6.875%, 01/26/2027 (A)	430,000	190,709
7.500%, 04/22/2026 (A)	330,000	150,153
		973,021
Brazil – 0.5%		
Federative Republic of Brazil		
10.000%, 01/01/2021 to 01/01/2027	BRL 4,205,000	875,466
Indonesia – 0.0%		
Republic of Indonesia		
8.375%, 03/15/2034	IDR 543,000,000	40,461
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$3,428,169)		\$ 1,888,948
CORPORATE BONDS – 84.9%		
Communication services – 13.8%		
Allen Media LLC		
10.500%, 02/15/2028 (B)	\$ 950,000	940,795
Altice France Holding SA		
10.500%, 05/15/2027 (B)	290,000	332,413
Altice France SA		
7.375%, 05/01/2026 (B)	2,530,000	2,685,955
CCO Holdings LLC		
4.250%, 02/01/2031 (B)	100,000	104,472
4.500%, 05/01/2032 (B)	260,000	275,571
5.125%, 05/01/2027 (B)	1,270,000	1,352,575
5.750%, 02/15/2026 (B)	215,000	225,333
CenturyLink, Inc.		
4.000%, 02/15/2027 (B)	370,000	375,968
Charter Communications Operating LLC		
6.484%, 10/23/2045	250,000	333,955
Clear Channel International BV		
6.625%, 08/01/2025 (B)	380,000	393,300
Cogent Communications Group, Inc.		
5.375%, 03/01/2022 (B)	430,000	442,900
CSC Holdings LLC		
6.500%, 02/01/2029 (B)	1,370,000	1,543,819
DISH DBS Corp.		
7.750%, 07/01/2026	2,150,000	2,461,750
iHeartCommunications, Inc.		
4.750%, 01/15/2028 (B)	280,000	268,128
5.250%, 08/15/2027 (B)	780,000	778,050
Intelsat Jackson Holdings SA		
8.000%, 02/15/2024 (A)(B)	330,000	336,600
Lions Gate Capital Holdings LLC		
5.875%, 11/01/2024 (B)	1,000,000	1,007,500
Match Group Holdings II LLC		
4.625%, 06/01/2028 (B)	660,000	694,987
5.000%, 12/15/2027 (B)	400,000	426,500

High Yield Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Netflix, Inc.		
4.875%, 06/15/2030 (B)	\$ 500,000	\$ 579,375
5.375%, 11/15/2029 (B)	770,000	925,925
6.375%, 05/15/2029	490,000	621,075
Sprint Capital Corp.		
8.750%, 03/15/2032	1,260,000	1,903,151
Sprint Communications, Inc.		
11.500%, 11/15/2021	841,000	936,748
Sprint Corp.		
7.625%, 02/15/2025	40,000	47,900
7.875%, 09/15/2023	1,470,000	1,709,794
Telecom Italia SpA		
5.303%, 05/30/2024 (B)	600,000	662,376
Time Warner Cable LLC		
7.300%, 07/01/2038	680,000	965,731
Twitter, Inc.		
3.875%, 12/15/2027 (B)	480,000	506,496
Univision Communications, Inc.		
5.125%, 02/15/2025 (B)	430,000	432,688
9.500%, 05/01/2025 (B)	650,000	711,750
UPC Holding BV		
5.500%, 01/15/2028 (B)	370,000	386,221
Virgin Media Secured Finance PLC		
5.500%, 08/15/2026 to 05/15/2029 (B)	1,940,000	2,058,301
Virgin Media Vendor Financing Notes IV DAC		
5.000%, 07/15/2028 (B)	510,000	528,590
		27,956,692
Consumer discretionary – 15.0%		
American Axle & Manufacturing, Inc.		
6.500%, 04/01/2027	670,000	688,425
American News Company LLC (8.500% Cash or 10.000% PIK) 8.500%, 09/01/2026 (B)	1,054,618	1,154,807
Boyne USA, Inc.		
7.250%, 05/01/2025 (B)	1,130,000	1,197,800
Brinker International, Inc.		
5.000%, 10/01/2024 (B)	420,000	417,900
Carriage Services, Inc.		
6.625%, 06/01/2026 (B)	730,000	771,975
Century Communities, Inc.		
5.875%, 07/15/2025	1,040,000	1,081,600
Colt Merger Sub, Inc.		
6.250%, 07/01/2025 (B)	390,000	412,796
ESH Hospitality, Inc.		
4.625%, 10/01/2027 (B)	420,000	419,992
Fontainebleau Las Vegas Holdings LLC		
11.000%, 06/15/2015 (A)(B)	2,983,778	298
Ford Motor Company		
8.500%, 04/21/2023	20,000	22,108
9.000%, 04/22/2025	1,060,000	1,240,481
Ford Motor Credit Company LLC		
3.087%, 01/09/2023	1,250,000	1,242,375
3.096%, 05/04/2023	790,000	784,075
5.125%, 06/16/2025	500,000	525,365
Golden Nugget, Inc.		
8.750%, 10/01/2025 (B)	660,000	491,700
Hanesbrands, Inc.		
4.875%, 05/15/2026 (B)	550,000	598,802
5.375%, 05/15/2025 (B)	190,000	202,635
Hilton Domestic Operating Company, Inc.		
5.375%, 05/01/2025 (B)	410,000	429,803
5.750%, 05/01/2028 (B)	290,000	306,675

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

High Yield Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Hilton Worldwide Finance LLC 4.625%, 04/01/2025	\$ 240,000	\$ 242,400
Installed Building Products, Inc. 5.750%, 02/01/2028 (B)	500,000	527,500
International Game Technology PLC 5.250%, 01/15/2029 (B)	720,000	738,000
IRB Holding Corp. 7.000%, 06/15/2025 (B)	370,000	394,975
L Brands, Inc. 5.250%, 02/01/2028	1,080,000	1,036,800
6.875%, 07/01/2025 (B)	290,000	313,774
9.375%, 07/01/2025 (B)	370,000	430,976
Lennar Corp. 4.750%, 11/29/2027	150,000	171,000
5.875%, 11/15/2024	640,000	715,200
Levi Strauss & Company 5.000%, 05/01/2025	160,000	163,600
Marston's Issuer PLC (3 month GBP LIBOR + 2.550%) 2.632%, 07/15/2035 (C)	GBP 380,000	388,950
Melco Resorts Finance, Ltd. 5.375%, 12/04/2029 (B)	\$ 340,000	348,160
MGM Growth Properties Operating Partnership LP 4.500%, 09/01/2026	310,000	325,500
Michaels Stores, Inc. 8.000%, 07/15/2027 (B)(D)	360,000	363,600
Mohegan Gaming & Entertainment 7.875%, 10/15/2024 (B)	1,060,000	1,003,025
NCL Corp., Ltd. 3.625%, 12/15/2024 (B)	450,000	308,813
10.250%, 02/01/2026 (B)	720,000	723,600
12.250%, 05/15/2024 (B)	800,000	891,000
Party City Holdings, Inc. (Greater of 6 month LIBOR + 5.000% or 5.750%) 5.750%, 07/15/2025 (B)(C)	145,825	91,141
PetSmart, Inc. 8.875%, 06/01/2025 (B)	320,000	332,160
Sands China, Ltd. 5.400%, 08/08/2028	200,000	226,600
Scientific Games International, Inc. 7.000%, 05/15/2028 (B)	860,000	842,989
Service Corp. International 3.375%, 08/15/2030	220,000	224,125
Silversea Cruise Finance, Ltd. 7.250%, 02/01/2025 (B)	632,000	634,632
Speedway Motorsports LLC 4.875%, 11/01/2027 (B)	280,000	266,000
Sugarhouse HSP Gaming Prop Mezz LP 5.875%, 05/15/2025 (B)	380,000	368,600
The ServiceMaster Company LLC 5.125%, 11/15/2024 (B)	400,000	408,000
The William Carter Company 5.500%, 05/15/2025 (B)	250,000	266,560
5.625%, 03/15/2027 (B)	390,000	414,328
TopBuild Corp. 5.625%, 05/01/2026 (B)	560,000	582,943
Viking Cruises, Ltd. 5.875%, 09/15/2027 (B)	570,000	404,700
13.000%, 05/15/2025 (B)	1,000,000	1,110,000
VOC Escrow, Ltd. 5.000%, 02/15/2028 (B)	990,000	821,700
WW International, Inc. 8.625%, 12/01/2025 (B)	900,000	947,250

High Yield Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Wyndham Hotels & Resorts, Inc. 4.375%, 08/15/2028 (B)	\$ 330,000	\$ 332,541
Wynn Macau, Ltd. 5.125%, 12/15/2029 (B)	300,000	294,750
Wynn Resorts Finance LLC 7.750%, 04/15/2025 (B)	600,000	630,000
		30,275,504
Consumer staples – 3.1%		
Altria Group, Inc. 5.950%, 02/14/2049	410,000	554,066
Cott Holdings, Inc. 5.500%, 04/01/2025 (B)	530,000	547,888
Kraft Heinz Foods Company 3.875%, 05/15/2027 (B)	30,000	32,078
4.250%, 03/01/2031 (B)	170,000	187,830
5.200%, 07/15/2045	510,000	577,922
5.500%, 06/01/2050 (B)	520,000	612,163
Lamb Weston Holdings, Inc. 4.875%, 11/01/2026 to 05/15/2028 (B)	470,000	497,743
Sally Holdings LLC 5.625%, 12/01/2025	780,000	791,700
Simmons Foods, Inc. 5.750%, 11/01/2024 (B)	940,000	963,218
SunOpta Foods, Inc. 9.500%, 10/09/2022 (B)	920,000	939,550
TreeHouse Foods, Inc. 4.000%, 09/01/2028 (E)	470,000	478,314
		6,182,472
Energy – 11.4%		
Antero Midstream Partners LP 5.375%, 09/15/2024	250,000	230,625
Apache Corp. 4.875%, 11/15/2027	310,000	316,770
5.100%, 09/01/2040	610,000	593,341
Berry Petroleum Company LLC 7.000%, 02/15/2026 (B)	390,000	319,800
Blue Racer Midstream LLC 6.625%, 07/15/2026 (B)	1,190,000	1,047,200
Cenovus Energy, Inc. 3.000%, 08/15/2022	520,000	528,394
5.375%, 07/15/2025	290,000	295,088
5.400%, 06/15/2047	60,000	53,606
6.750%, 11/15/2039	140,000	145,045
CNX Midstream Partners LP 6.500%, 03/15/2026 (B)	310,000	310,459
Comstock Resources, Inc. 7.500%, 05/15/2025 (B)	280,000	277,861
9.750%, 08/15/2026	600,000	641,760
Continental Resources, Inc. 3.800%, 06/01/2024	230,000	226,771
4.375%, 01/15/2028	270,000	259,200
DCP Midstream Operating LP 6.450%, 11/03/2036 (B)	310,000	310,000
6.750%, 09/15/2037 (B)	700,000	700,000
Endeavor Energy Resources LP 5.500%, 01/30/2026 (B)	270,000	269,781
5.750%, 01/30/2028 (B)	50,000	51,125
6.625%, 07/15/2025 (B)	350,000	365,096
EQM Midstream Partners LP 5.500%, 07/15/2028	620,000	642,419
6.000%, 07/01/2025 (B)	260,000	275,925
6.500%, 07/01/2027 (B)	240,000	262,800
6.500%, 07/15/2048	250,000	252,350
EQT Corp. 7.875%, 02/01/2025	710,000	815,030

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

High Yield Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
MEG Energy Corp. 7.000%, 03/31/2024 (B)	\$ 259,000	\$ 257,058
7.125%, 02/01/2027 (B)	1,300,000	1,243,801
Montage Resources Corp. 8.875%, 07/15/2023	500,000	511,250
NGPL PipeCo LLC 4.375%, 08/15/2022 (B)	460,000	476,885
4.875%, 08/15/2027 (B)	300,000	328,444
Oasis Petroleum, Inc. 6.875%, 03/15/2022 to 01/15/2023	1,411,000	271,961
Occidental Petroleum Corp. 2.700%, 02/15/2023	420,000	403,931
2.900%, 08/15/2024	860,000	791,200
8.875%, 07/15/2030	510,000	576,300
Occidental Petroleum Corp. (3 month LIBOR + 1.450%) 1.730%, 08/15/2022 (C)	110,000	103,997
Pattern Energy Operations LP 4.500%, 08/15/2028 (B)	80,000	84,200
Petrobras Global Finance BV 5.750%, 02/01/2029	40,000	43,960
6.850%, 06/05/2115	580,000	637,783
Precision Drilling Corp. 7.125%, 01/15/2026 (B)	870,000	591,600
Range Resources Corp. 5.000%, 03/15/2023	350,000	348,681
9.250%, 02/01/2026 (B)	520,000	547,560
Shelf Drilling Holdings, Ltd. 8.250%, 02/15/2025 (B)	910,000	318,500
Targa Resources Partners LP 4.875%, 02/01/2031 (B)	610,000	614,606
The Williams Companies, Inc. 7.500%, 01/15/2031	650,000	865,474
Vesta Energy Corp. 8.125%, 07/24/2023 (B)	CAD 920,000	352,666
Viper Energy Partners LP 5.375%, 11/01/2027 (B)	\$ 260,000	267,800
Western Midstream Operating LP 3.950%, 06/01/2025	80,000	79,775
4.000%, 07/01/2022	260,000	264,550
4.100%, 02/01/2025	1,230,000	1,227,073
5.500%, 08/15/2048	610,000	545,950
WPX Energy, Inc. 5.250%, 10/15/2027	410,000	407,827
5.875%, 06/15/2028	610,000	619,150
8.250%, 08/01/2023	1,040,000	1,168,856
		23,141,284
Financials – 8.7%		
Allied Universal Holdco LLC 6.625%, 07/15/2026 (B)	1,170,000	1,254,825
Ally Financial, Inc. 8.000%, 11/01/2031	350,000	475,468
Barclays PLC (5.088% to 6-20-29, then 3 month LIBOR + 3.054%) 06/20/2030	1,470,000	1,706,689
Barclays PLC (8.000% to 12-15-20, then 5 Year Euro Swap Rate + 6.750%) 12/15/2020 (F)	EUR 540,000	656,395
Barclays PLC (8.000% to 6-15-24, then 5 Year CMT + 5.672%) 06/15/2024 (F)	\$ 600,000	656,353
BNP Paribas SA (7.375% to 8-19-25, then 5 Year U.S. Swap Rate + 5.150%) 08/19/2025 (B)(F)	350,000	398,790

High Yield Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Financials (continued)		
CIT Group, Inc. 5.250%, 03/07/2025	\$ 170,000	\$ 185,300
Credit Agricole SA (8.125% to 12-23-25, then 5 Year U.S. Swap Rate + 6.185%) 12/23/2025 (B)(F)	600,000	711,151
Credit Suisse Group AG (6.375% to 8-21-26, then 5 Year CMT + 4.822%) 08/21/2026 (B)(F)	840,000	913,500
DAE Funding LLC 5.750%, 11/15/2023 (B)	1,030,000	1,024,850
Donnelley Financial Solutions, Inc. 8.250%, 10/15/2024	680,000	707,200
FirstCash, Inc. 4.625%, 09/01/2028 (B)	710,000	729,660
HSBC Holdings PLC (6.375% to 3-30-25, then 5 Year ICE Swap Rate + 4.368%) 03/30/2025 (F)	200,000	212,600
HSBC Holdings PLC (6.500% to 3-23-28, then 5 Year ICE Swap Rate + 3.606%) 03/23/2028 (F)	720,000	775,800
Intesa Sanpaolo SpA 5.017%, 06/26/2024 (B)	200,000	215,637
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (B)	530,000	486,275
MGIC Investment Corp. 5.250%, 08/15/2028	300,000	314,691
Natwest Group PLC (8.625% to 8-15-21, then 5 Year U.S. Swap Rate + 7.598%) 08/15/2021 (F)	670,000	704,284
NatWest Markets NV 7.750%, 05/15/2023	520,000	590,370
Navient Corp. 5.000%, 03/15/2027	330,000	318,734
NMI Holdings, Inc. 7.375%, 06/01/2025 (B)	720,000	777,319
Quicken Loans LLC 5.250%, 01/15/2028 (B)	890,000	948,967
StoneX Group, Inc. 8.625%, 06/15/2025 (B)	300,000	324,750
UBS Group AG (7.000% to 1-31-24, then 5 Year U.S. Swap Rate + 4.344%) 01/31/2024 (B)(F)	810,000	877,838
UniCredit SpA (5.459% to 6-30-30, then 5 Year ICE Swap Rate + 4.750%) 06/30/2035 (B)	790,000	817,070
UniCredit SpA (7.296% to 4-2-29, then 5 Year ICE Swap Rate + 4.914%) 04/02/2034 (B)	690,000	808,928
		17,593,444
Health care – 7.7%		
AdaptHealth LLC 6.125%, 08/01/2028 (B)	500,000	523,750
Air Methods Corp. 8.000%, 05/15/2025 (B)	860,000	724,550
Bausch Health Americas, Inc. 9.250%, 04/01/2026 (B)	471,000	522,212
Bausch Health Companies, Inc. 6.250%, 02/15/2029 (B)	1,990,000	2,080,247
9.000%, 12/15/2025 (B)	1,080,000	1,182,276
Centene Corp. 3.375%, 02/15/2030	250,000	260,000
5.375%, 06/01/2026 to 08/15/2026 (B)	960,000	1,015,688
Community Health Systems, Inc. 6.625%, 02/15/2025 (B)	940,000	958,800
8.000%, 03/15/2026 (B)	400,000	414,500

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

High Yield Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
HCA, Inc. 5.625%, 09/01/2028	\$ 1,000,000	\$ 1,189,315
HLF Financing Sarl LLC 7.250%, 08/15/2026 (B)	610,000	637,450
LifePoint Health, Inc. 4.375%, 02/15/2027 (B)	530,000	527,350
MPH Acquisition Holdings LLC 7.125%, 06/01/2024 (B)	620,000	629,486
Par Pharmaceutical, Inc. 7.500%, 04/01/2027 (B)	710,000	757,925
Radiology Partners, Inc. 9.250%, 02/01/2028 (B)	490,000	520,625
RegionalCare Hospital Partners Holdings, Inc. 9.750%, 12/01/2026 (B)	480,000	520,171
Tenet Healthcare Corp. 4.625%, 06/15/2028 (B)	790,000	819,625
6.750%, 06/15/2023	550,000	585,750
7.500%, 04/01/2025 (B)	650,000	713,180
Teva Pharmaceutical Finance Company LLC 6.150%, 02/01/2036	250,000	260,000
US Renal Care, Inc. 10.625%, 07/15/2027 (B)	750,000	810,000
		15,652,900
Industrials – 8.2%		
Ahern Rentals, Inc. 7.375%, 05/15/2023 (B)	530,000	219,950
Anagram International, Inc. (5.000% Cash and 5.000% PIK) 10.000%, 08/15/2026 (B)	78,825	66,213
Builders FirstSource, Inc. 5.000%, 03/01/2030 (B)	230,000	245,525
BWX Technologies, Inc. 5.375%, 07/15/2026 (B)	560,000	586,600
CD&R Smokey Buyer, Inc. 6.750%, 07/15/2025 (B)	220,000	235,400
Clark Equipment Company 5.875%, 06/01/2025 (B)	280,000	294,350
Continental Airlines 2000-1 Class B Pass Through Trust 8.388%, 11/01/2020	143	137
Delta Air Lines, Inc. 7.375%, 01/15/2026	620,000	645,122
FXI Holdings, Inc. 7.875%, 11/01/2024 (B)	767,000	743,990
GFL Environmental, Inc. 3.750%, 08/01/2025 (B)	370,000	372,294
5.125%, 12/15/2026 (B)	160,000	168,934
8.500%, 05/01/2027 (B)	818,000	889,878
Global Aircraft Leasing Company, Ltd. (6.500% Cash or 7.250% PIK) 6.500%, 09/15/2024 (B)	2,570,000	1,515,144
Mileage Plus Holdings LLC 6.500%, 06/20/2027 (B)	550,000	573,375
Park-Ohio Industries, Inc. 6.625%, 04/15/2027	100,000	90,538
Prime Security Services Borrower LLC 5.750%, 04/15/2026 (B)	1,280,000	1,414,400
6.250%, 01/15/2028 (B)	1,060,000	1,113,000
Sensata Technologies, Inc. 4.375%, 02/15/2030 (B)	420,000	443,100
Signature Aviation US Holdings, Inc. 5.375%, 05/01/2026 (B)	790,000	813,700

High Yield Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Standard Industries, Inc. 4.750%, 01/15/2028 (B)	\$ 320,000	\$ 336,800
Surgery Center Holdings, Inc. 10.000%, 04/15/2027 (B)	110,000	119,108
The Boeing Company 5.150%, 05/01/2030	430,000	481,456
TransDigm, Inc. 6.250%, 03/15/2026 (B)	630,000	664,782
8.000%, 12/15/2025 (B)	370,000	402,375
United Rentals North America, Inc. 5.250%, 01/15/2030	850,000	944,006
5.500%, 05/15/2027	490,000	524,227
Vertical US Newco, Inc. 5.250%, 07/15/2027 (B)	790,000	822,588
Waste Pro USA, Inc. 5.500%, 02/15/2026 (B)	580,000	595,788
XPO CNW, Inc. 6.700%, 05/01/2034	620,000	659,060
XPO Logistics, Inc. 6.250%, 05/01/2025 (B)	540,000	576,450
		16,558,290
Information technology – 4.4%		
Alliance Data Systems Corp. 4.750%, 12/15/2024 (B)	600,000	573,000
Amkor Technology, Inc. 6.625%, 09/15/2027 (B)	780,000	848,250
Black Knight InfoServ LLC 3.625%, 09/01/2028 (B)	540,000	546,923
BY Crown Parent LLC 4.250%, 01/31/2026 (B)	230,000	234,865
CDK Global, Inc. 5.250%, 05/15/2029 (B)	20,000	21,818
5.875%, 06/15/2026	270,000	283,600
CDW LLC 3.250%, 02/15/2029	520,000	531,118
4.250%, 04/01/2028	440,000	459,800
CommScope Technologies LLC 5.000%, 03/15/2027 (B)	250,000	248,125
CommScope, Inc. 8.250%, 03/01/2027 (B)	1,370,000	1,483,011
Entegris, Inc. 4.375%, 04/15/2028 (B)	470,000	489,975
Fair Isaac Corp. 4.000%, 06/15/2028 (B)	420,000	434,700
j2 Cloud Services LLC 6.000%, 07/15/2025 (B)	760,000	791,350
Level 3 Financing, Inc. 5.250%, 03/15/2026	430,000	448,318
Microchip Technology, Inc. 4.250%, 09/01/2025 (B)	350,000	364,448
NCR Corp. 5.250%, 10/01/2030 (B)	240,000	243,122
ON Semiconductor Corp. 3.875%, 09/01/2028 (B)	500,000	521,740
Open Text Holdings, Inc. 4.125%, 02/15/2030 (B)	400,000	414,708
		8,938,871
Materials – 6.9%		
Alcoa Nederland Holding BV 7.000%, 09/30/2026 (B)	280,000	299,600
ARD Finance SA (6.500% Cash or 7.250% PIK) 6.500%, 06/30/2027 (B)	540,000	553,500
Ardagh Packaging Finance PLC 5.250%, 08/15/2027 (B)	520,000	540,998
6.000%, 02/15/2025 (B)	800,000	834,500

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

High Yield Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Materials (continued)		
Ball Corp. 2.875%, 08/15/2030	\$ 1,050,000	\$ 1,047,690
BHP Billiton Finance USA, Ltd. (6.750% to 10-20-25, then 5 Year U.S. Swap Rate + 5.093%) 10/19/2075 (B)	460,000	549,631
Cascades, Inc. 5.125%, 01/15/2026 (B)	10,000	10,520
5.375%, 01/15/2028 (B)	610,000	649,681
First Quantum Minerals, Ltd. 6.500%, 03/01/2024 (B)	200,000	199,000
7.250%, 04/01/2023 (B)	644,000	654,465
7.500%, 04/01/2025 (B)	246,000	250,927
Flex Acquisition Company, Inc. 7.875%, 07/15/2026 (B)	460,000	482,627
Freeport-McMoRan, Inc. 4.625%, 08/01/2030	280,000	299,247
5.450%, 03/15/2043	1,620,000	1,821,755
Greif, Inc. 6.500%, 03/01/2027 (B)	1,009,000	1,074,585
Hudbay Minerals, Inc. 7.625%, 01/15/2025 (B)	390,000	404,625
Mercer International, Inc. 7.375%, 01/15/2025	220,000	226,050
Midwest Vanadium Pty, Ltd. 11.500%, 02/15/2018 (A)(B)	1,953,148	2,539
Northwest Acquisitions ULC 7.125%, 11/01/2022 (A)(B)	1,140,000	18,240
Olin Corp. 5.000%, 02/01/2030	560,000	540,400
Pactiv LLC 7.950%, 12/15/2025	1,200,000	1,326,000
Summit Materials LLC 5.250%, 01/15/2029 (B)	890,000	932,346
Teck Resources, Ltd. 5.200%, 03/01/2042	970,000	962,812
U.S. Concrete, Inc. 6.375%, 06/01/2024	260,000	268,424
		13,950,162
Real estate – 5.0%		
CoreCivic, Inc. 4.625%, 05/01/2023	120,000	114,000
5.000%, 10/15/2022	370,000	364,450
Diversified Healthcare Trust 9.750%, 06/15/2025	680,000	759,900
Five Point Operating Company LP 7.875%, 11/15/2025 (B)	1,240,000	1,246,200
Forestar Group, Inc. 5.000%, 03/01/2028 (B)	700,000	707,266
8.000%, 04/15/2024 (B)	660,000	700,425
Iron Mountain, Inc. 5.000%, 07/15/2028 (B)	520,000	539,500
MPT Operating Partnership LP 4.625%, 08/01/2029	380,000	405,635
5.000%, 10/15/2027	720,000	761,400
Realogy Group LLC 7.625%, 06/15/2025 (B)	670,000	704,753
The GEO Group, Inc. 5.875%, 10/15/2024	850,000	667,250
6.000%, 04/15/2026	1,500,000	1,150,268
The Howard Hughes Corp. 5.375%, 08/01/2028 (B)	410,000	416,175
VICI Properties LP 4.125%, 08/15/2030 (B)	1,080,000	1,082,376

High Yield Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
XHR LP 6.375%, 08/15/2025 (B)	\$ 370,000	\$ 379,713
		9,999,311
Utilities – 0.7%		
Calpine Corp. 5.000%, 02/01/2031 (B)	600,000	627,132
Talen Energy Supply LLC 6.625%, 01/15/2028 (B)	510,000	511,232
10.500%, 01/15/2026 (B)	400,000	321,000
		1,459,364
TOTAL CORPORATE BONDS		
(Cost \$171,302,339)		\$ 171,708,294
CONVERTIBLE BONDS – 1.1%		
Communication services – 0.5%		
DISH Network Corp. 2.375%, 03/15/2024	830,000	780,669
3.375%, 08/15/2026	220,000	216,980
Live Nation Entertainment, Inc. 2.000%, 02/15/2025 (B)	170,000	152,150
		1,149,799
Energy – 0.1%		
Cheniere Energy, Inc. 4.250%, 03/15/2045	360,000	240,516
Financials – 0.2%		
Apollo Commercial Real Estate Finance, Inc. 4.750%, 08/23/2022	450,000	413,688
Information technology – 0.3%		
Alteryx, Inc. 1.000%, 08/01/2026	100,000	101,343
Vishay Intertechnology, Inc. 2.250%, 06/15/2025	460,000	448,580
		549,923
TOTAL CONVERTIBLE BONDS		
(Cost \$2,443,184)		\$ 2,353,926
TERM LOANS (G) – 6.4%		
Communication services – 0.5%		
Allen Media LLC, 2020 Term Loan B (3 month LIBOR + 5.500%) 5.808%, 02/10/2027	609,203	585,596
iHeartCommunications, Inc., 2020 Term Loan (1 month LIBOR + 3.000%) 3.156%, 05/01/2026	443,624	420,174
		1,005,770
Consumer discretionary – 1.3%		
Clarios Global LP, USD Term Loan B (1 month LIBOR + 3.500%) 3.658%, 04/30/2026	575,650	563,596
Equinox Holdings, Inc., 2020 Term Loan B2 (3 month LIBOR + 9.000%) 10.000%, 03/08/2024	420,000	413,700
Michaels Stores, Inc., 2018 Term Loan B (1 and 3 month LIBOR + 2.500%) 3.534%, 01/30/2023	268,460	257,386
Mohegan Gaming & Entertainment, 2016 Term Loan B (1 and 3 month LIBOR + 4.375%) 5.375%, 10/13/2023	696,295	628,016
Spencer Spirit IH LLC, Term Loan B (3 month LIBOR + 6.000%) 6.245%, 06/19/2026	789,871	696,406
		2,559,104

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

High Yield Fund (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
Energy – 0.2%		
Chesapeake Energy Corp., 2019 Last Out Term Loan 0.000%, 06/24/2024 (A)	\$ 630,000	\$ 411,075
Permian Production Partners LLC, Term Loan 0.000%, 05/20/2024 (A)	807,500	40,375
		451,450
Financials – 0.8%		
Acrisure LLC, 2020 Term Loan B (1 month LIBOR + 3.500%) 3.656%, 02/15/2027	538,650	515,870
Amerilife Holdings LLC, 2020 Delayed Draw Term Loan (3 month LIBOR + 4.000%) 4.158%, 03/18/2027	10,909	10,718
Amerilife Holdings LLC, 2020 Term Loan (1 month LIBOR + 4.000%) 4.156%, 03/18/2027	159,545	156,753
Duff + Phelps Corp., 2020 2nd Lien Term Loan (1 month LIBOR + 8.000%) 9.000%, 04/07/2028	620,000	613,800
Jane Street Group LLC, 2020 Term Loan (1 month LIBOR + 3.000%) 3.156%, 01/31/2025	415,795	409,558
		1,706,699
Health care – 1.5%		
Eyecare Partners LLC, 2020 2nd Lien Term Loan (3 month LIBOR + 8.250%) 8.558%, 02/18/2028	430,000	365,500
Eyecare Partners LLC, 2020 Term Loan (3 month LIBOR + 3.750%) 4.822%, 02/18/2027	469,095	435,747
McAfee LLC, 2018 USD Term Loan B (1 month LIBOR + 3.750%) 3.906%, 09/30/2024	821,637	813,117
Option Care Health, Inc., Term Loan B (1 month LIBOR + 4.500%) 4.656%, 08/06/2026	766,150	762,955
US Renal Care, Inc., 2019 Term Loan B (1 month LIBOR + 5.000%) 5.156%, 06/26/2026	621,534	605,735
		2,983,054
Industrials – 1.5%		
Cornerstone Building Brands, Inc., 2018 Term Loan (1 month LIBOR + 3.750%) 3.918%, 04/12/2025	661,276	648,051
Delta Air Lines, Inc., 2020 Term Loan B (3 month LIBOR + 4.750%) 5.750%, 04/29/2023	1,310,000	1,304,616
JetBlue Airways Corp., Term Loan (3 month LIBOR + 5.250%) 6.250%, 06/17/2024	640,000	637,280
Mileage Plus Holdings LLC, 2020 Term Loan B (3 month LIBOR + 5.250%) 6.250%, 06/25/2027	480,000	485,102
		3,075,049
Information technology – 0.4%		
Global Tel*Link Corp., 2018 1st Lien Term Loan (1 month LIBOR + 4.250%) 4.406%, 11/29/2025	811,240	703,977

High Yield Fund (continued)

	Shares or Principal Amount	Value
TERM LOANS (G) (continued)		
Real estate – 0.2%		
CoreCivic, Inc., 2019 Term Loan (1 month LIBOR + 4.500%) 5.500%, 12/18/2024	\$ 507,000	\$ 498,548
TOTAL TERM LOANS (Cost \$14,305,305)		\$ 12,983,651
ASSET BACKED SECURITIES – 4.2%		
Benefit Street Partners CLO XI, Ltd.		
Series 2017-12A, Class C (3 month LIBOR + 3.050%) 3.325%, 10/15/2030 (B)(C)	250,000	221,802
BlueMountain CLO, Ltd.		
Series 2012-2A, Class ER2 (3 month LIBOR + 5.750%) 6.003%, 11/20/2028 (B)(C)	500,000	394,786
Series 2016-2A, Class DR (3 month LIBOR + 7.790%) 8.043%, 08/20/2032 (B)(C)	375,000	323,367
Bowman Park CLO, Ltd.		
Series 2014-1A, Class D1R (3 month LIBOR + 3.350%) 3.606%, 11/23/2025 (B)(C)	500,000	500,055
Cook Park CLO, Ltd.		
Series 2018-1A, Class E (3 month LIBOR + 5.400%) 5.673%, 04/17/2030 (B)(C)	250,000	215,977
Cumberland Park CLO, Ltd.		
Series 2015-2A, Class ER (3 month LIBOR + 5.650%) 5.922%, 07/20/2028 (B)(C)	250,000	221,459
Greenwood Park CLO, Ltd.		
Series 2018-1A, Class D (3 month LIBOR + 2.500%) 2.775%, 04/15/2031 (B)(C)	530,000	489,584
Series 2018-1A, Class E (3 month LIBOR + 4.950%) 5.225%, 04/15/2031 (B)(C)	750,000	626,396
Greywolf CLO IV, Ltd.		
Series 2019-1A, Class C (3 month LIBOR + 3.950%) 4.223%, 04/17/2030 (B)(C)	430,000	422,580
Halsey Point CLO I, Ltd.		
Series 2019-1A, Class E (3 month LIBOR + 7.700%) 7.972%, 01/20/2033 (B)(C)	600,000	554,153
Jackson Mill CLO, Ltd.		
Series 2015-1A, Class DR (3 month LIBOR + 2.800%) 3.075%, 04/15/2027 (B)(C)	250,000	223,063
LCM XXII, Ltd.		
Series 2022-A, Class DR (3 month LIBOR + 5.500%) 5.772%, 10/20/2028 (B)(C)	500,000	402,370
Madison Park Funding XIII, Ltd.		
Series 2014-13A, Class DR2 (3 month LIBOR + 2.850%) 3.122%, 04/19/2030 (B)(C)	1,000,000	917,174
Oaktree CLO, Ltd.		
Series 2019-1A, Class D (3 month LIBOR + 3.800%) 4.058%, 04/22/2030 (B)(C)	250,000	218,387
OZLM XI, Ltd.		
Series 2015-11A, Class CR (3 month LIBOR + 3.600%) 3.868%, 10/30/2030 (B)(C)	1,000,000	939,836

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

High Yield Fund (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
Shackleton CLO, Ltd. Series 2013-3A, Class DR (3 month LIBOR + 3.020%) 3.295%, 07/15/2030 (B)(C)	\$ 500,000	\$ 439,138
TCI-Symphony CLO, Ltd. Series 2016-1A, Class DR (3 month LIBOR + 3.000%) 3.266%, 10/13/2029 (B)(C)	540,000	490,947
Thayer Park CLO, Ltd. Series 2017-1A, Class C (3 month LIBOR + 3.700%) 3.972%, 04/20/2029 (B)(C)	250,000	250,014
Voya CLO, Ltd. Series 2017-1A, Class C (3 month LIBOR + 3.330%) 3.603%, 04/17/2030 (B)(C)	500,000	455,249
Zais CLO 16, Ltd. Series 2020-16A, Class D1 (3 month LIBOR + 5.480%) 5.721%, 10/20/2031 (B)(C)	250,000	235,000
TOTAL ASSET BACKED SECURITIES (Cost \$9,254,940)		\$ 8,541,337
COMMON STOCKS – 0.7%		
Communication services – 0.0%		
New Cotai, Inc., Class B (H)(I)(J)	11	0
Consumer discretionary – 0.0%		
Party City Holdco, Inc. (J)	14,839	40,659
Energy – 0.7%		
Berry Corp.	211,334	832,656
Hercules Offshore, Inc. (I)(J)	120,022	83,343
KCAD Holdings I, Ltd. (H)(I)(J)	752,218,031	752
Montage Resources Corp. (D)(J)	66,492	343,099
MWO Holdings LLC (H)(I)(J)	1,134	65,851
		1,325,701
TOTAL COMMON STOCKS (Cost \$22,151,699)		\$ 1,366,360
PREFERRED SECURITIES – 0.7%		
Financials – 0.7%		
B. Riley Financial, Inc., 6.875% (D)	16,425	408,983
GMAC Capital Trust I (3 month LIBOR + 5.785%), 6.065% (C)	43,100	1,057,243
TOTAL PREFERRED SECURITIES (Cost \$1,531,225)		\$ 1,466,226
SHORT-TERM INVESTMENTS – 0.1%		
Short-term funds – 0.1%		
John Hancock Collateral Trust, 0.2611% (K)(L)	27,237	272,666
TOTAL SHORT-TERM INVESTMENTS (Cost \$272,661)		\$ 272,666
Total Investments (High Yield Fund) (Cost \$224,689,522) – 99.1%		\$ 200,581,408
Other assets and liabilities, net – 0.9%		1,752,746
TOTAL NET ASSETS – 100.0%		\$ 202,334,154

High Yield Fund (continued)

Currency Abbreviations

BRL	Brazilian Real
CAD	Canadian Dollar
EUR	Euro
GBP	Pound Sterling
IDR	Indonesian Rupiah

Security Abbreviations and Legend

CMT	Constant Maturity Treasury
ICE	Intercontinental Exchange
LIBOR	London Interbank Offered Rate
PIK	Pay-in-Kind Security - Represents a payment-in-kind which may pay interest in additional par and/or cash. Rates shown are the current rate and most recent payment rate.
(A)	Non-income producing - Issuer is in default.
(B)	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. Rule 144A securities amounted to \$120,691,342 or 59.6% of the fund's net assets as of 8-31-20.
(C)	Variable rate obligation. The coupon rate shown represents the rate at period end.
(D)	All or a portion of this security is on loan as of 8-31-20.
(E)	Security purchased or sold on a when-issued or delayed delivery basis.
(F)	Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
(G)	Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.
(H)	Restricted security as to resale, excluding 144A securities. For more information on this security refer to the Notes to financial statements.
(I)	Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
(J)	Non-income producing security.
(K)	The rate shown is the annualized seven-day yield as of 8-31-20.
(L)	Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
5-Year U.S. Treasury Note Futures	156	Long	Dec 2020	\$19,636,484	\$19,660,875	\$24,391
10-Year U.S. Treasury Note Futures	36	Short	Dec 2020	(5,017,729)	(5,013,000)	4,729
						\$29,120

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

High Yield Fund (continued)

FUTURES (continued)

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

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
CAD 3,311,221	USD 2,518,914	BNP	10/16/2020	\$19,991	—
GBP 587,667	USD 733,537	JPM	10/16/2020	52,246	—
MXN 3,526,523	USD 153,576	JPM	10/16/2020	6,723	—
USD 2,886,532	CAD 3,950,827	BNP	10/16/2020	—	\$(142,797)
USD 980,363	EUR 869,743	BNP	10/16/2020	—	(58,552)
				\$78,960	\$(201,349)

SWAPS

Credit default swaps - Seller

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Centrally cleared	Ford Motor Credit Company LLC	2.470%	643,000	USD	\$643,000	5.000%	Quarterly	Jun 2023	\$(38,122)	\$88,278	\$50,156
					\$643,000				\$(38,122)	\$88,278	\$50,156

Derivatives Currency Abbreviations

CAD	Canadian Dollar
EUR	Euro
GBP	Pound Sterling
MXN	Mexican Peso
USD	U.S. Dollar

Derivatives Abbreviations

BNP	BNP Paribas
JPM	JPMorgan Chase Bank, N.A.
OTC	Over-the-counter

See Notes to financial statements regarding investment transactions and other derivatives information.

Opportunistic Fixed Income Fund

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 8.3%		
U.S. Government - 4.8%		
U.S. Treasury Inflation Protected Securities		
0.125%, 01/15/2030 (A)	\$ 616,119	\$ 688,513
0.250%, 07/15/2029 to 02/15/2050	704,743	803,819
0.750%, 02/15/2045	32,837	42,071
0.875%, 02/15/2047	202,876	271,648
1.000%, 02/15/2048	125,429	174,312
		1,980,363
U.S. Government Agency - 3.5%		
Federal National Mortgage Association		
2.000%, TBA (B)	1,258,000	1,296,057
2.500%, TBA (B)	126,000	132,630
		1,428,687
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$3,281,287)		\$ 3,409,050
FOREIGN GOVERNMENT OBLIGATIONS - 47.2%		
Argentina - 0.2%		
Republic of Argentina		
5.000%, 01/15/2027 (C)	EUR 200,000	102,303

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Australia - 2.2%		
Commonwealth of Australia		
3.000%, 03/21/2047	AUD 965,000	\$ 887,930
Brazil - 0.4%		
Federative Republic of Brazil		
10.000%, 01/01/2025	BRL 745,000	159,374
Canada - 5.9%		
Government of Canada		
3.000%, 12/01/2036	CAD 399,540	477,019
4.000%, 12/01/2031	240,158	284,668
4.250%, 12/01/2026	1,639,869	1,674,719
		2,436,406
Chile - 0.1%		
Republic of Chile		
5.000%, 03/01/2035	CLP 30,000,000	49,490
Colombia - 0.3%		
Republic of Colombia		
6.000%, 04/28/2028	COP 381,300,000	106,803
Czech Republic - 0.2%		
Czech Republic		
0.250%, 02/10/2027	CZK 1,990,000	86,191

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
Germany - 6.9%		
Federal Republic of Germany, Inflation Linked Bond		
0.100%, 04/15/2026	EUR 1,164,834	\$ 1,490,481
0.500%, 04/15/2030	976,810	1,371,294
		<u>2,861,775</u>
Greece - 0.7%		
Republic of Greece, GDP-Linked Note 4.404%, 10/15/2042 (D)*	73,510,000	280,714
Hungary - 0.2%		
Republic of Hungary 2.750%, 12/22/2026	HUF 19,990,000	71,037
Iceland - 1.5%		
Republic of Iceland 5.000%, 11/15/2028	ISK 70,880,000	600,717
Indonesia - 4.4%		
Republic of Indonesia		
8.250%, 05/15/2029	IDR 4,125,000,000	309,633
8.375%, 03/15/2034	18,127,000,000	1,350,703
9.000%, 03/15/2029	2,191,000,000	171,153
		<u>1,831,489</u>
Israel - 1.1%		
State of Israel		
1.000%, 03/31/2030	ILS 730,000	225,478
3.750%, 03/31/2047	475,000	210,875
		<u>436,353</u>
Japan - 5.6%		
Government of Japan		
0.400%, 03/20/2050	JPY 14,950,000	133,334
Government of Japan, CPI Linked Bond 0.100%, 03/10/2028	229,130,274	2,172,427
		<u>2,305,761</u>
Malaysia - 0.3%		
Government of Malaysia 3.955%, 09/15/2025	MYR 490,000	127,869
Mexico - 2.7%		
Government of Mexico		
7.500%, 06/03/2027	MXN 3,587,500	181,862
8.000%, 11/07/2047	18,023,600	919,111
		<u>1,100,973</u>
New Zealand - 1.0%		
Government of New Zealand 1.500%, 05/15/2031	NZD 560,000	411,770
Peru - 0.2%		
Republic of Peru 6.950%, 08/12/2031	PEN 190,000	67,507
Poland - 0.4%		
Republic of Poland 2.250%, 10/25/2024	PLN 550,000	159,535
Romania - 0.5%		
Republic of Romania		
3.875%, 10/29/2035	EUR 110,000	143,288
4.750%, 02/24/2025	RON 240,000	62,118
		<u>205,406</u>
Russia - 4.0%		
Government of Russia		
7.750%, 09/16/2026	RUB 9,610,000	145,221
Government of Russia, Inflation Linked Bond		
2.500%, 02/02/2028	111,377,826	1,496,911
		<u>1,642,132</u>

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
FOREIGN GOVERNMENT OBLIGATIONS (continued)		
South Africa - 0.3%		
Republic of South Africa 7.000%, 02/28/2031	ZAR 2,610,000	\$ 126,348
South Korea - 5.8%		
Republic of Korea 1.375%, 12/10/2029	KRW 2,557,340,000	2,125,853
Republic of Korea, Inflation Linked Bond		
1.750%, 06/10/2028	314,818,644	283,140
		<u>2,408,993</u>
Spain - 0.4%		
Kingdom of Spain 2.700%, 10/31/2048 (E)	EUR 115,000	186,496
Thailand - 1.8%		
Kingdom of Thailand 2.875%, 12/17/2028	THB 20,410,000	735,943
Turkey - 0.1%		
Republic of Turkey 9.000%, 07/24/2024	TRY 400,000	47,024
Uruguay - 0.0%		
Republic of Uruguay 8.500%, 03/15/2028	UYU 150,000	3,540
TOTAL FOREIGN GOVERNMENT OBLIGATIONS (Cost \$19,502,521)		\$ 19,439,879
CORPORATE BONDS - 6.7%		
Finland - 0.6%		
Nokia OYJ 6.625%, 05/15/2039	\$ 180,000	230,400
Luxembourg - 0.2%		
Codere Finance 2 Luxembourg SA 6.750%, 11/01/2021	EUR 110,000	79,275
United States - 5.9%		
Altria Group, Inc. 3.125%, 06/15/2031	170,000	228,663
Antero Midstream Partners LP 5.375%, 09/15/2024	\$ 80,000	73,800
5.750%, 03/01/2027 (E)	70,000	62,475
Aramark Services, Inc. 6.375%, 05/01/2025 (E)	40,000	41,900
Booking Holdings, Inc. 4.625%, 04/13/2030	25,000	30,170
Boyd Gaming Corp. 8.625%, 06/01/2025 (E)	65,000	71,663
Broadcom, Inc. 4.300%, 11/15/2032	40,000	46,107
Carnival Corp. 11.500%, 04/01/2023 (E)	44,000	49,084
Centennial Resource Production LLC 5.375%, 01/15/2026 (E)	260,000	109,200
Citigroup, Inc. (4.700% to 1-30-25, then SOFR + 3.234%) 01/30/2025 (F)	79,000	78,605
Diamondback Energy, Inc. 4.750%, 05/31/2025	5,000	5,486
EnLink Midstream Partners LP 4.850%, 07/15/2026	250,000	218,420
Flex, Ltd. 4.875%, 05/12/2030	30,000	34,146
General Motors Company 6.750%, 04/01/2046	110,000	133,413
JetBlue 2020-1 Class A Pass Through Trust 4.000%, 11/15/2032	60,000	61,650

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
United States (continued)		
JPMorgan Chase & Co. (4.600% to 2-1-25, then SOFR + 3.125%) 02/01/2025 (F)	\$ 100,000	\$ 100,375
Lennar Corp. 4.750%, 11/29/2027	35,000	39,900
Matador Resources Company 5.875%, 09/15/2026	120,000	104,400
McKesson Corp. 4.750%, 05/30/2029	35,000	42,706
MSCI, Inc. 3.875%, 02/15/2031 (E)	40,000	42,250
PDC Energy, Inc. 5.750%, 05/15/2026	100,000	102,300
Post Holdings, Inc. 4.625%, 04/15/2030 (E)	40,000	41,750
Presidio Holdings, Inc. 8.250%, 02/01/2028 (E)	40,000	41,800
Reynolds American, Inc. 5.850%, 08/15/2045	130,000	160,597
Sysco Corp. 6.600%, 04/01/2040	30,000	39,955
The Boeing Company 5.040%, 05/01/2027	200,000	220,067
The Dun & Bradstreet Corp. 10.250%, 02/15/2027 (E)	24,000	27,360
TransDigm, Inc. 6.250%, 03/15/2026 (E)	40,000	42,208
Viper Energy Partners LP 5.375%, 11/01/2027 (E)	40,000	41,200
Wells Fargo & Company (5.875% to 6-15-25, then 3 month LIBOR + 3.990%) 06/15/2025 (F)	51,000	56,292
Westinghouse Air Brake Technologies Corp. 3.200%, 06/15/2025	20,000	21,050
Yum! Brands, Inc. 7.750%, 04/01/2025 (E)	65,000	72,556
		2,441,548
TOTAL CORPORATE BONDS (Cost \$2,774,844)		\$ 2,751,223
CONVERTIBLE BONDS - 0.5%		
United States - 0.5%		
Bandwidth, Inc., 0.250%, 03/01/2026 (E)	5,000	9,058
Etsy, Inc., 0.125%, 10/01/2026 (E)	5,000	7,632
FTI Consulting, Inc., 2.000%, 08/15/2023	5,000	6,446
Health Catalyst, Inc., 2.500%, 04/15/2025 (E)	8,000	9,973
NuVasive, Inc., 0.375%, 03/15/2025 (E)	20,000	18,026
Oasis Petroleum, Inc., 2.625%, 09/15/2023	70,000	12,250
Penn National Gaming, Inc., 2.750%, 05/15/2026	10,000	23,290
Pioneer Natural Resources Company, 0.250%, 05/15/2025 (E)	15,000	18,214
Proofpoint, Inc., 0.250%, 08/15/2024	4,000	4,056
Southwest Airlines Company, 1.250%, 05/01/2025	15,000	19,910
Splunk, Inc., 1.125%, 06/15/2027 (E)	10,000	11,685
Square, Inc., 0.125%, 03/01/2025 (E)	15,000	22,776
The Middleby Corp., 1.000%, 09/01/2025 (E)	10,000	10,347

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
CONVERTIBLE BONDS (continued)		
United States (continued)		
Workday, Inc., 0.250%, 10/01/2022	\$ 10,000	\$ 16,788
		190,451
TOTAL CONVERTIBLE BONDS (Cost \$198,914)		\$ 190,451
MUNICIPAL BONDS - 2.7%		
United States - 2.7%		
Chicago Transit Authority (Illinois) 3.552%, 12/01/2034	95,000	99,976
Chicago Transit Authority (Illinois) 3.912%, 12/01/2040	10,000	10,546
Chicago Transit Authority, Series A (Illinois) 6.899%, 12/01/2040	10,000	14,310
City of Austin Airport System Revenue (Texas) 5.000%, 11/15/2032	25,000	31,572
City of Austin Airport System Revenue (Texas) 5.000%, 11/15/2044	60,000	72,897
City of Tampa (Florida) 3.089%, 09/01/2036 (G)	20,000	12,204
Commonwealth of Massachusetts 2.514%, 07/01/2041	130,000	132,584
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2033	20,000	24,765
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2029	20,000	25,740
County of Broward Port Facilities Revenue (Florida) 5.000%, 09/01/2028	30,000	36,560
Dallas/Fort Worth International Airport (Texas) 3.089%, 11/01/2040	30,000	30,279
District of Columbia 3.432%, 04/01/2042	85,000	91,078
Great Lakes Water Authority Sewage Disposal System Revenue (Michigan) 3.056%, 07/01/2039	10,000	10,985
Greater Orlando Aviation Authority (Florida) 5.000%, 10/01/2028	35,000	41,547
Iowa Finance Authority 3.250%, 07/01/2050	10,000	11,058
Metropolitan Transportation Authority (New York) 5.000%, 11/15/2050	25,000	27,574
Metropolitan Transportation Authority (New York) 5.175%, 11/15/2049	50,000	58,013
New York City Transitional Finance Authority 4.000%, 05/01/2045	20,000	23,137
Orange County Convention Center (Florida) 5.000%, 10/01/2031	15,000	17,208
Port Authority of New York & New Jersey 4.000%, 03/15/2030	50,000	58,006
Port Authority of New York & New Jersey 5.000%, 09/15/2033	30,000	36,563
Port of Seattle (Washington) 5.000%, 04/01/2039	40,000	48,154

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
MUNICIPAL BONDS (continued)		
United States (continued)		
Port of Seattle (Washington) 5.000%, 10/01/2031	\$ 30,000	\$ 34,679
San Francisco City & County Airport Commission 5.000%, 05/01/2050	75,000	90,319
San Francisco City & County Airport Commission (California) 4.000%, 05/01/2039	15,000	17,333
San Francisco City & County Airport Commission (California) 2.958%, 05/01/2051	20,000	19,843
Triborough Bridge & Tunnel Authority (New York) 5.000%, 11/15/2054	30,000	37,724
TOTAL MUNICIPAL BONDS (Cost \$1,065,732)		\$ 1,114,654
TERM LOANS (H) - 8.2%		
Luxembourg - 0.2%		
Delta 2 Lux Sarl, 2018 USD Term Loan (1 month LIBOR + 2.500%), 3.500%, 02/01/2024	100,000	96,813
Netherlands - 0.2%		
Telenet Financing USD LLC, 2020 USD Term Loan AR (1 month LIBOR + 2.000%), 2.162%, 04/30/2028	100,000	96,125
United States - 7.8%		
Acisure LLC, 2020 Term Loan B (1 month LIBOR + 3.500%), 3.656%, 02/15/2027	99,750	95,532
AlixPartners LLP, 2017 Term Loan B (1 month LIBOR + 2.500%), 2.656%, 04/04/2024	99,486	97,198
Asurion LLC, 2017 2nd Lien Term Loan (1 month LIBOR + 6.500%), 6.656%, 08/04/2025	93,939	94,080
Asurion LLC, 2017 Term Loan B4 (1 month LIBOR + 3.000%), 3.156%, 08/04/2022	99,364	98,205
Bass Pro Group LLC, Term Loan B (3 month LIBOR + 5.000%), 6.072%, 09/25/2024	99,744	99,339
Berlin Packaging LLC, 2018 1st Lien Term Loan (1 and 3 month LIBOR + 3.000%), 3.162%, 11/07/2025	99,492	96,508
Boyd Gaming Corp., Term Loan B3 (1 week LIBOR + 2.250%), 2.363%, 09/15/2023	99,590	96,626
Caesars Resort Collection LLC, 2020 Term Loan B1 (3 month LIBOR + 4.500%), 4.726%, 07/21/2025	110,000	106,494
Core & Main LP, 2017 Term Loan B (3 and 6 month LIBOR + 2.750%), 3.750%, 08/01/2024	99,489	97,126
Dcert Buyer, Inc., 2019 Term Loan B (1 month LIBOR + 4.000%), 4.156%, 10/16/2026	99,750	98,441
Deerfield Dakota Holding LLC, 2020 USD Term Loan B (1 month LIBOR + 3.750%), 4.750%, 04/09/2027	220,000	219,175
Diamond BC BV, USD Term Loan (1 and 3 month LIBOR + 3.000%), 3.260%, 09/06/2024	99,744	93,947
Elanco Animal Health, Inc., Term Loan B, TBD 08/01/2027 (I)	100,000	97,958

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
TERM LOANS (H) (continued)		
United States (continued)		
Element Solutions, Inc., 2019 Term Loan B1 (1 month LIBOR + 2.000%), 2.156%, 01/31/2026	\$ 99,749	\$ 97,443
Go Daddy Operating Company LLC, 2020 Term Loan B3, TBD 08/10/2027 (I)	100,000	99,075
Gray Television, Inc., 2018 Term Loan C (1 month LIBOR + 2.500%), 2.656%, 01/02/2026	100,000	97,847
HUB International, Ltd., 2018 Term Loan B (3 month LIBOR + 3.000%), 3.263%, 04/25/2025	99,492	96,810
HUB International, Ltd., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%), 5.000%, 04/25/2025	99,749	99,639
ION Media Networks, Inc., 2019 Term Loan B (1 month LIBOR + 3.000%), 3.188%, 12/18/2024	99,499	97,011
Momentive Performance Materials USA LLC, Term Loan B (1 month LIBOR + 3.250%), 3.410%, 05/15/2024	99,748	94,636
MPH Acquisition Holdings LLC, 2016 Term Loan B (3 month LIBOR + 2.750%), 3.750%, 06/07/2023	100,000	98,875
Navistar, Inc., 2017 1st Lien Term Loan B (1 month LIBOR + 3.500%), 3.660%, 11/06/2024	99,490	96,817
NEP Group, Inc., 2018 1st Lien Term Loan (1 month LIBOR + 3.250%), 3.406%, 10/20/2025	99,747	83,645
Quikrete Holdings, Inc., 2016 1st Lien Term Loan (1 month LIBOR + 2.500%), 2.656%, 02/01/2027	99,500	96,834
Science Applications International Corp., 2020 Incremental Term Loan B (1 month LIBOR + 2.250%), 2.406%, 03/12/2027	62,250	61,783
SCIH Salt Holdings, Inc., Term Loan B (3 month LIBOR + 4.500%), 5.500%, 03/16/2027	100,000	99,625
Sedgwick Claims Management Services, Inc., 2018 Term Loan B (1 month LIBOR + 3.250%), 3.406%, 12/31/2025	99,495	96,095
SS&C Technologies, Inc., 2018 Term Loan B3 (1 month LIBOR + 1.750%), 1.906%, 04/16/2025	56,827	55,103
SS&C Technologies, Inc., 2018 Term Loan B4 (1 month LIBOR + 1.750%), 1.906%, 04/16/2025	39,925	38,714
The Dun & Bradstreet Corp., Term Loan (1 month LIBOR + 3.750%), 3.920%, 02/06/2026	99,750	99,451
The Ultimate Software Group, Inc., 2020 Incremental Term Loan B (3 month LIBOR + 4.000%), 4.750%, 05/04/2026	100,000	99,813
TransDigm, Inc., 2020 Term Loan E (1 month LIBOR + 2.250%), 2.406%, 05/30/2025	99,500	94,262

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
TERM LOANS (H) (continued)		
United States (continued)		
WW International, Inc., 2017 Term Loan B (1 month LIBOR + 4.750%), 5.500%, 11/29/2024	\$ 97,006	\$ 96,400
		3,190,507
TOTAL TERM LOANS (Cost \$3,278,043)		\$ 3,383,445
COLLATERALIZED MORTGAGE OBLIGATIONS - 9.5%		
Commercial and residential - 5.9%		
Arroyo Mortgage Trust Series 2018-1, Class A1, 3.763%, 04/25/2048 (E)(J)	76,440	78,481
Series 2019-1, Class A1, 3.805%, 01/25/2049 (E)(J)	76,926	79,034
Bunker Hill Loan Depository Trust, Series 2019-1, Class A1, 3.613%, 10/26/2048 (E)	76,323	78,341
BX Commercial Mortgage Trust Series 2018-IND, Class A (1 month LIBOR + 0.750%), 0.912%, 11/15/2035 (E)(K)	42,754	42,594
Series 2019-XL, Class A (1 month LIBOR + 0.920%), 1.082%, 10/15/2036 (E)(K)	94,930	94,816
Series 2019-XL, Class B (1 month LIBOR + 1.080%), 1.242%, 10/15/2036 (E)(K)	94,930	94,514
Series 2019-XL, Class C (1 month LIBOR + 1.250%), 1.412%, 10/15/2036 (E)(K)	94,930	94,340
CAMB Commercial Mortgage Trust, Series 2019-LIFE, Class A (1 month LIBOR + 1.070%), 1.232%, 12/15/2037 (E)(K)	100,000	99,939
CFCRE Commercial Mortgage Trust, Series 2011-C2, Class C, 5.931%, 12/15/2047 (E)(J)	100,000	100,443
COLT Mortgage Loan Trust Series 2019-1, Class A1, 3.705%, 03/25/2049 (E)(J)	41,827	42,341
Series 2019-2, Class A1, 3.337%, 05/25/2049 (E)(J)	67,698	68,363
Series 2019-4, Class A1, 2.579%, 11/25/2049 (E)(J)	65,204	65,608
Commercial Mortgage Trust (Cantor Fitzgerald/Deutsche Bank AG) Series 2013-CR13, Class A4, 4.194%, 11/10/2046 (J)	30,000	32,808
Series 2014-CR16, Class AM, 4.278%, 04/10/2047	45,000	49,170
CSAIL Commercial Mortgage Trust, Series 2015-C3, Class A4, 3.718%, 08/15/2048	38,000	41,967
FREMF Mortgage Trust Series 2015-K45, Class C, 3.713%, 04/25/2048 (E)(J)	25,000	26,048
Series 2015-K49, Class B, 3.848%, 10/25/2048 (E)(J)	75,000	80,752
Series 2016-K60, Class B, 3.657%, 12/25/2049 (E)(J)	11,000	11,891
Series 2017-K63, Class C, 4.004%, 02/25/2050 (E)(J)	35,000	36,539
GS Mortgage Securities Trust Series 2016-GS4, Class A4, 3.442%, 11/10/2049 (J)	34,000	37,528

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
Commercial and residential (continued)		
GS Mortgage Securities Trust (continued) Series 2020-GC45, Class A1, 2.019%, 02/13/2053	\$ 24,076	\$ 24,638
JPMorgan Chase Commercial Mortgage Securities Trust, Series 2020-NNN, Class BFX, 3.065%, 01/16/2037 (E)	45,000	45,136
JPMorgan Mortgage Trust, Series 2019-7, Class A11 (1 month LIBOR + 0.900%), 1.075%, 02/25/2050 (E)(K)	57,653	57,364
KKR Industrial Portfolio Trust, Series 2020-AIP, Class A (1 month LIBOR + 1.037%), 1.199%, 03/15/2037 (E)(K)	98,030	97,846
Metlife Securitization Trust, Series 2018-1A, Class A, 3.750%, 03/25/2057 (E)(J)	90,002	96,297
Morgan Stanley Bank of America Merrill Lynch Trust Series 2013-C8, Class B, 3.694%, 12/15/2048 (J)	45,000	46,253
Series 2013-C8, Class C, 4.191%, 12/15/2048 (J)	65,000	64,762
Morgan Stanley Capital I Trust, Series 2018-SUN, Class B (1 month LIBOR + 1.450%), 1.612%, 07/15/2035 (E)(K)	25,000	24,043
MSCG Trust, Series 2018-SELF, Class A (1 month LIBOR + 0.900%), 1.062%, 10/15/2037 (E)(K)	75,000	74,342
New Residential Mortgage Loan Trust, Series 2020-NPL1, Class A1, 4.335%, 07/25/2060 (E)	97,847	97,799
PRPM LLC, Series 2019-GS1, Class A1, 3.500%, 10/25/2024 (E)(J)	87,381	86,996
Verus Securitization Trust Series 2019-1, Class A1, 3.836%, 02/25/2059 (E)(J)	49,457	50,382
Series 2020-1, Class A1, 2.417%, 01/25/2060 (E)	86,925	88,689
Wells Fargo Mortgage Backed Securities Trust, Series 2019-3, Class A1, 3.500%, 07/25/2049 (E)(J)	54,795	56,122
WF-RBS Commercial Mortgage Trust Series 2011-C4, Class C, 5.390%, 06/15/2044 (E)(J)	90,000	87,246
Series 2011-C5, Class C, 5.844%, 11/15/2044 (E)(J)	100,000	100,685
Series 2013-C13, Class A4, 3.001%, 05/15/2045	65,000	68,090
		2,422,207
U.S. Government Agency - 3.6%		
Federal Home Loan Mortgage Corp. Series 2017-DNA2, Class M1 (1 month LIBOR + 1.200%), 1.375%, 10/25/2029 (K)	43,287	43,287
Series 2018-DNA1, Class M2 (1 month LIBOR + 1.800%), 1.975%, 07/25/2030 (K)	87,412	84,784
Series 2018-HQA1, Class M2 (1 month LIBOR + 2.300%), 2.475%, 09/25/2030 (K)	27,909	27,349

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal Home Loan		
Mortgage Corp. (continued)		
Series 2020-DNA1, Class M1 (1 month LIBOR + 0.700%), 0.875%, 01/25/2050 (E)(K)	\$ 32,501	\$ 32,450
Series 2020-DNA1, Class M2 (1 month LIBOR + 1.700%), 1.875%, 01/25/2050 (E)(K)	50,000	48,747
Series 2020-HQA1, Class M1 (1 month LIBOR + 0.750%), 0.925%, 01/25/2050 (E)(K)	11,150	11,129
Series 2020-HQA2, Class M1 (1 month LIBOR + 1.100%), 1.275%, 03/25/2050 (E)(K)	49,836	49,776
Series 2020-HQA2, Class M2 (1 month LIBOR + 3.100%), 3.275%, 03/25/2050 (E)(K)	75,000	73,967
Series 2020-HQA3, Class B1 (1 month LIBOR + 5.750%), 5.925%, 07/25/2050 (E)(K)	45,000	45,000
Series 2020-HQA3, Class M2 (1 month LIBOR + 3.600%), 3.775%, 07/25/2050 (E)(K)	30,000	30,114
Series K066, Class X1 IO, 0.889%, 06/25/2027	286,355	12,909
Series K103, Class X1 IO, 0.756%, 11/25/2029	224,896	11,767
Series K104, Class X3 IO, 1.896%, 02/25/2047	100,000	14,141
Series K105, Class X1 IO, 1.645%, 01/25/2030	169,955	20,799
Series K113, Class X1 IO, 1.490%, 06/25/2030	100,000	11,506
Series K-1515, Class X1 IO, 1.639%, 02/25/2035	99,988	16,030
Series K737, Class X1 IO, 0.751%, 10/25/2026	113,889	3,896
Federal National Mortgage Association		
Series 2015-C04, Class 1M2 (1 month LIBOR + 5.700%), 5.875%, 04/25/2028 (K)	61,737	64,522
Series 2016-C02, Class 1M2 (1 month LIBOR + 6.000%), 6.175%, 09/25/2028 (K)	44,079	46,596
Series 2017-C02, Class 2M2 (1 month LIBOR + 3.650%), 3.825%, 09/25/2029 (K)	81,242	82,464
Series 2017-C03, Class 1M2 (1 month LIBOR + 3.000%), 3.175%, 10/25/2029 (K)	59,130	59,474
Series 2017-C04, Class 2M2 (1 month LIBOR + 2.850%), 3.025%, 11/25/2029 (K)	65,472	65,065
Series 2017-C05, Class 1B1 (1 month LIBOR + 3.600%), 3.775%, 01/25/2030 (K)	25,000	23,147
Series 2017-C05, Class 1M2 (1 month LIBOR + 2.200%), 2.375%, 01/25/2030 (K)	47,056	46,114
Series 2017-C06, Class 2B1 (1 month LIBOR + 4.450%), 4.625%, 02/25/2030 (K)	10,000	9,399

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
COLLATERALIZED MORTGAGE OBLIGATIONS (continued)		
U.S. Government Agency (continued)		
Federal National		
Mortgage Association (continued)		
Series 2017-C06, Class 2M2 (1 month LIBOR + 2.800%), 2.975%, 02/25/2030 (K)	\$ 62,734	\$ 62,262
Series 2017-C07, Class 1B1 (1 month LIBOR + 4.000%), 4.175%, 05/25/2030 (K)	67,000	63,647
Series 2018-C03, Class 1M2 (1 month LIBOR + 2.150%), 2.325%, 10/25/2030 (K)	61,005	59,707
Series 2018-R07, Class 1B1 (1 month LIBOR + 4.350%), 4.525%, 04/25/2031 (E)(K)	115,000	109,638
Series 2019-HRP1, Class M2 (1 month LIBOR + 2.150%), 2.325%, 11/25/2039 (E)(K)	47,228	42,485
Series 2019-R04, Class 2M2 (1 month LIBOR + 2.100%), 2.275%, 06/25/2039 (E)(K)	17,963	17,838
Series 2019-R06, Class 2M2 (1 month LIBOR + 2.100%), 2.275%, 09/25/2039 (E)(K)	17,356	17,259
Series 2020-R01, Class 1M1 (1 month LIBOR + 0.800%), 0.975%, 01/25/2040 (E)(K)	66,616	66,280
Series 2020-R01, Class 1M2 (1 month LIBOR + 2.050%), 2.225%, 01/25/2040 (E)(K)	55,000	52,797
Series 2020-R02, Class 2B1 (1 month LIBOR + 3.000%), 3.175%, 01/25/2040 (E)(K)	35,000	24,637
Series 2020-R02, Class 2M2 (1 month LIBOR + 2.000%), 2.175%, 01/25/2040 (E)(K)	20,000	18,998
		1,469,980
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$3,681,706)		\$ 3,892,187
ASSET BACKED SECURITIES - 4.8%		
Ally Auto Receivables Trust		
Series 2018-2, Class A3, 2.920%, 11/15/2022	94,574	95,707
Series 2019-4, Class A3, 1.840%, 06/17/2024	120,000	122,329
American Credit Acceptance Receivables Trust, Series 2018-3, Class C, 3.750%, 10/15/2024 (E)		
	64,890	65,499
American Express Credit Account Master Trust, Series 2017-5, Class B (1 month LIBOR + 0.580%), 0.742%, 02/18/2025 (K)		
	100,000	99,782
AmeriCredit Automobile Receivables Trust		
Series 2016-1, Class D, 3.590%, 02/08/2022	80,471	80,522
Series 2020-2, Class B, 0.970%, 02/18/2026	65,000	65,124
Canadian Pacer Auto Receivables Trust,		
Series 2018-1A, Class A3, 3.000%, 11/19/2021 (E)	43,213	43,421
CCG Receivables Trust, Series 2018-1, Class A2, 2.500%, 06/16/2025 (E)		
	51,388	51,589

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
ASSET BACKED SECURITIES (continued)		
First Investors Auto Owner Trust, Series 2020-1A, Class A, 1.490%, 01/15/2025 (E)	\$ 118,321	\$ 119,268
Ford Credit Auto Lease Trust, Series 2020-B, Class A4, 0.690%, 10/15/2023	15,000	15,070
Ford Credit Auto Owner Trust Series 2016-1, Class A, 2.310%, 08/15/2027 (E)	100,000	100,760
Series 2017-A, Class A4, 1.920%, 04/15/2022	32,264	32,348
Series 2017-C, Class A3, 2.010%, 03/15/2022	16,924	16,991
GM Financial Consumer Automobile Receivables Trust Series 2018-2, Class A3, 2.810%, 12/16/2022	65,550	66,441
Series 2020-2, Class A4, 1.740%, 08/18/2025	10,000	10,412
Hertz Vehicle Financing II LP, Series 2016-4A, Class A, 2.650%, 07/25/2022 (E)	51,055	51,056
Honda Auto Receivables Owner Trust, Series 2019-2, Class A3, 2.520%, 06/21/2023	59,000	60,537
Mercedes-Benz Auto Lease Trust, Series 2019-A, Class A3, 3.100%, 11/15/2021	40,422	40,756
Mill City Mortgage Loan Trust, Series 2018-3, Class A1, 3.500%, 08/25/2058 (E)(J)	73,058	77,580
Nissan Auto Receivables Owner Trust, Series 2020-A, Class A3, 1.380%, 12/16/2024	15,000	15,307
Santander Drive Auto Receivables Trust Series 2018-5, Class C, 3.810%, 12/16/2024	50,000	50,821
Series 2020-1, Class A3, 2.030%, 02/15/2024	5,000	5,102
Series 2020-2, Class B, 0.960%, 11/15/2024	15,000	15,036
Taco Bell Funding LLC, Series 2018-1A, Class A2I, 4.318%, 11/25/2048 (E)	98,250	100,472
Towd Point Mortgage Trust, Series 2017-6, Class A1, 2.750%, 10/25/2057 (E)(J)	60,831	63,190
Toyota Auto Receivables Owner Trust Series 2016-D, Class A4, 1.420%, 01/15/2022	10,603	10,609
Series 2019-C, Class A2A, 2.000%, 04/15/2022	27,836	27,989
Series 2020-C, Class A4, 0.570%, 10/15/2025	95,000	95,175
Vericrest Opportunity Loan Trust, Series 2020-NPL6, Class A1A, 3.967%, 04/25/2050 (E)	85,250	85,477
Westlake Automobile Receivables Trust Series 2020-1A, Class A2, 1.440%, 09/15/2023 (E)	150,000	150,851
Series 2019-A1, Class D, 3.670%, 03/15/2024 (E)	50,000	51,641
World Omni Auto Receivables Trust, Series 2019-A, Class A3, 3.040%, 05/15/2024	90,000	92,393
TOTAL ASSET BACKED SECURITIES (Cost \$1,954,679)		\$ 1,979,255

Opportunistic Fixed Income Fund (continued)

	Shares or Principal Amount	Value
PREFERRED SECURITIES - 0.0%		
United States - 0.0%		
Becton, Dickinson and Company, 6.000%	160	\$ 8,549
TOTAL PREFERRED SECURITIES (Cost \$8,288)		\$ 8,549
EXCHANGE-TRADED FUNDS - 5.9%		
iShares JP Morgan USD Emerging Markets Bond ETF	15,700	1,783,206
SPDR Blackstone/GSO Senior Loan ETF	5,000	224,100
SPDR Bloomberg Barclays Convertible Securities ETF	5,700	403,674
TOTAL EXCHANGE-TRADED FUNDS (Cost \$2,366,017)		\$ 2,410,980
SHORT-TERM INVESTMENTS - 10.2%		
U.S. Government - 0.6%		
U.S. Treasury Bill 0.056%, 09/08/2020 *	\$ 250,000	249,996
Short-term funds - 9.6%		
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0399% (L)	3,961,453	3,961,453
TOTAL SHORT-TERM INVESTMENTS (Cost \$4,211,450)		\$ 4,211,449
Total Investments (Opportunistic Fixed Income Fund) (Cost \$42,323,481) - 104.0%		\$ 42,791,122
Other assets and liabilities, net - (4.0%)		(1,631,484)
TOTAL NET ASSETS - 100.0%		\$ 41,159,638

Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
CLP	Chilean Peso
COP	Colombian Peso
CZK	Czech Republic Koruna
EUR	Euro
HUF	Hungarian Forint
IDR	Indonesian Rupiah
ILS	Israeli New Shekel
ISK	Icelandic Krona
JPY	Japanese Yen
KRW	Korean Won
MXN	Mexican Peso
MYR	Malaysian Ringgit
NZD	New Zealand Dollar
PEN	Peruvian Nuevo Sol
PLN	Polish Zloty
RON	Romanian New Leu
RUB	Russian Ruble
THB	Thai Bhat
TRY	Turkish Lira
UYU	Uruguayan Peso
ZAR	South African Rand

Security Abbreviations and Legend

CPI	Consumer Price Index
IO	Interest-Only Security - (Interest Tranche of Stripped Mortgage Pool). Rate shown is the annualized yield at the end of the period.
LIBOR	London Interbank Offered Rate
SOFR	Secured Overnight Financing Rate
TBA	To Be Announced. A forward mortgage-backed securities trade issued by a U.S. Government Agency, to be delivered at an agreed-upon future settlement date.
(A)	All or a portion of this security is segregated at the custodian as collateral for certain derivatives.

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Opportunistic Fixed Income Fund (continued)

- (B) Security purchased or sold on a when-issued or delayed delivery basis.
- (C) Non-income producing - Issuer is in default.
- (D) Non-income producing security.
- (E) 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. Rule 144A securities amounted to \$4,596,563 or 11.2% of the fund's net assets as of 8-31-20.
- (F) Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
- (G) Zero coupon bonds are issued at a discount from their principal amount in lieu of paying interest periodically. Rate shown is the effective yield at period end.
- (H) Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.

Opportunistic Fixed Income Fund (continued)

- (I) This position represents an unsettled loan commitment at period end. Certain details associated with this purchase are not known prior to the settlement date, including coupon rate, which is disclosed as TBD (To Be Determined).
- (J) Variable or floating rate security, the interest rate of which adjusts periodically based on a weighted average of interest rates and prepayments on the underlying pool of assets. The interest rate shown is the current rate as of period end.
- (K) Variable rate obligation. The coupon rate shown represents the rate at period end.
- (L) The rate shown is the annualized seven-day yield as of 8-31-20.
- * 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.

DERIVATIVES

FUTURES

Open contracts	Number of contracts	Position	Expiration date	Notional basis [^]	Notional value [^]	Unrealized appreciation (depreciation)
10-Year Australian Treasury Bond Futures	3	Long	Sep 2020	\$325,751	\$326,296	\$545
10-Year Canada Government Bond Futures	1	Long	Dec 2020	116,465	115,720	(745)
Ultra U.S. Treasury Bond Futures	3	Long	Dec 2020	670,154	662,719	(7,435)
10-Year Mini Japan Government Bond Futures	1	Short	Sep 2020	(143,477)	(143,058)	419
10-Year U.S. Treasury Note Futures	2	Short	Dec 2020	(277,933)	(278,500)	(567)
2-Year U.S. Treasury Note Futures	3	Short	Dec 2020	(662,596)	(662,836)	(240)
5-Year U.S. Treasury Note Futures	4	Short	Dec 2020	(503,370)	(504,125)	(755)
German Euro BUND Futures	12	Short	Sep 2020	(2,496,977)	(2,514,520)	(17,543)
U.K. Long Gilt Bond Futures	3	Short	Dec 2020	(542,409)	(541,424)	985
						\$(25,336)

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

FORWARD FOREIGN CURRENCY CONTRACTS

Contract to buy	Contract to sell	Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
AUD 40,000	USD 29,456	CITI	9/30/2020	\$49	—
AUD 396,000	USD 286,575	GSI	9/30/2020	5,525	—
BRL 824,000	USD 147,869	CITI	9/2/2020	2,537	—
BRL 1,329,000	USD 236,692	CITI	9/30/2020	5,677	—
CAD 905,000	USD 688,692	JPM	9/30/2020	5,202	—
CLP 202,219,000	USD 260,015	GSI	9/30/2020	59	—
CNY 2,663,000	USD 386,010	BARC	9/30/2020	1,989	—
COP 780,500,000	USD 201,103	CITI	9/30/2020	7,141	—
CZK 12,303,000	USD 556,891	BARC	9/30/2020	2,137	—
EUR 452,406	USD 534,981	JPM	9/30/2020	5,240	—
GBP 161,000	USD 214,524	GSI	9/30/2020	737	—
GBP 271,000	USD 355,339	JPM	9/30/2020	6,995	—
INR 24,007,000	USD 320,008	JPM	9/30/2020	6,474	—
JPY 146,928,000	USD 1,384,149	MSI	9/30/2020	3,610	—
KRW 252,000,000	USD 212,363	MSI	9/29/2020	—	\$(172)
NOK 4,855,000	USD 541,562	MSI	9/30/2020	14,322	—
NZD 373,000	USD 245,923	MSI	9/30/2020	5,320	—
PHP 24,365,000	USD 501,183	CITI	9/30/2020	800	—
PLN 1,999,000	USD 539,236	BARC	9/30/2020	3,627	—
RUB 21,638,000	USD 291,611	BOA	9/30/2020	—	(1,212)
RUB 4,410,000	USD 59,050	BARC	9/30/2020	136	—
RUB 44,210,000	USD 591,680	GSI	9/30/2020	1,654	—
SEK 4,827,000	USD 550,233	MSI	9/30/2020	8,002	—
SGD 1,271,000	USD 928,320	JPM	9/30/2020	5,872	—
TRY 2,240,000	USD 302,253	BOA	9/30/2020	74	—
USD 1,884,447	AUD 2,604,000	GSI	9/30/2020	—	(36,328)
USD 147,077	BRL 824,000	CITI	9/2/2020	—	(3,329)

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Opportunistic Fixed Income Fund (continued) FORWARD FOREIGN CURRENCY CONTRACTS (continued)

Contract to buy		Contract to sell		Counterparty (OTC)	Contractual settlement date	Unrealized appreciation	Unrealized depreciation
USD	295,707	BRL	1,628,000	CITI	10/2/2020	—	\$(1,171)
USD	2,429,826	CAD	3,193,000	JPM	9/30/2020	—	(18,355)
USD	544,933	CHF	496,000	JPM	9/30/2020	—	(4,234)
USD	503,598	CLP	395,702,000	MSI	9/30/2020	—	(5,315)
USD	524,072	COP	2,033,974,000	CITI	9/30/2020	—	(18,609)
USD	32,238	CZK	708,000	CITI	9/30/2020	\$68	—
USD	4,448,652	EUR	3,762,000	JPM	9/30/2020	—	(43,570)
USD	435,323	GBP	332,000	JPM	9/30/2020	—	(8,570)
USD	529,439	HUF	159,465,000	BOA	9/30/2020	—	(5,727)
USD	1,752,999	IDR	25,648,135,000	BARC	9/30/2020	—	(2,014)
USD	35,957	IDR	525,280,000	MSI	9/30/2020	14	—
USD	1,211,488	ILS	4,119,000	CITI	9/30/2020	—	(16,855)
USD	2,840,865	JPY	301,559,000	MSI	9/30/2020	—	(7,409)
USD	2,925,055	KRW	3,471,016,000	MSI	9/29/2020	2,373	—
USD	1,164,404	MXN	25,612,000	CITI	9/30/2020	—	(2,056)
USD	38,250	NOK	335,000	BOA	9/30/2020	—	(106)
USD	120,471	NOK	1,080,000	MSI	9/30/2020	—	(3,186)
USD	390,971	NZD	593,000	MSI	9/30/2020	—	(8,457)
USD	1,891,795	RUB	141,354,000	GSI	9/30/2020	—	(5,289)
USD	756,618	SGD	1,029,000	JPM	9/30/2020	297	—
USD	581,665	THB	18,337,000	JPM	9/30/2020	—	(7,455)
USD	244,613	TRY	1,839,000	GSI	9/30/2020	—	(3,593)
USD	42,291	ZAR	709,000	BOA	9/30/2020	597	—
ZAR	3,682,000	USD	217,289	MSI	9/30/2020	—	(763)
						\$96,528	\$(203,775)

SWAPS

Interest rate swaps

Counterparty (OTC)/ Centrally cleared	Notional amount	Currency	Payments made	Payments received	Fixed payment frequency	Floating payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
BOA	5,770,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.340%	Quarterly	Quarterly	Sep 2025	\$(1,057)	\$(15,084)	\$(16,141)
CITI	6,440,000	CNY	CNY CNREPOFIX Reuters	Fixed 2.390%	Quarterly	Quarterly	Jun 2025	—	(18,787)	(18,787)
CITI	906,430,000	COP	Fixed 4.330%	COP IBR Compounded OIS	Quarterly	Quarterly	Sep 2030	—	3,389	3,389
GSI	169,660,000	CLP	Fixed 2.160%	CLP CLICP Bloomberg	Semi-Annual	Semi-Annual	Sep 2030	319	693	1,012
								\$(738)	\$(29,789)	\$(30,527)
Centrally cleared	1,580,000	PLN	Fixed 0.880%	PLN WIBOR WIBO	Annual	Semi-Annual	Sep 2030	292	10,368	10,660
								\$292	\$10,368	\$10,660
								\$(446)	\$(19,421)	\$(19,867)

Credit default swaps - Buyer

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
CITI	Government of Malaysia	80,000	USD	\$80,000	1.000%	Quarterly	Jun 2025	\$(1,358)	\$(851)	\$(2,209)
CITI	People's Republic of China	65,000	USD	65,000	1.000%	Quarterly	Jun 2025	(1,667)	(498)	(2,165)
GSI	People's Republic of China	850,000	USD	850,000	1.000%	Quarterly	Dec 2024	(20,695)	(6,801)	(27,496)
GSI	Government of Russia	410,000	USD	410,000	1.000%	Quarterly	Jun 2025	12,643	(13,513)	(870)
GSI	Government of Russia	10,000	USD	10,000	1.000%	Quarterly	Jun 2025	(10)	(9)	(19)
GSI	CMBX.NA.AAA.10	600,000	USD	600,000	0.500%	Monthly	Nov 2059	(7,034)	(584)	(7,618)
JPM	Republic of Korea	2,110,000	USD	2,110,000	1.000%	Quarterly	Dec 2024	(62,288)	(14,592)	(76,880)
MSI	Government of Japan	2,090,000	USD	2,090,000	1.000%	Quarterly	Dec 2024	(65,715)	(14,833)	(80,548)
MSI	Federative Republic of Brazil	5,000	USD	5,000	1.000%	Quarterly	Jun 2025	298	(45)	253
MSI	Republic of Indonesia	50,000	USD	50,000	1.000%	Quarterly	Jun 2025	461	(699)	(238)
MSI	CMBX.NA.BBB-7	440,000	USD	440,000	3.000%	Monthly	Jan 2047	10,000	90,324	100,324
MSI	CMBX.NA.AAA.11	600,000	USD	600,000	0.500%	Monthly	Nov 2054	(5,093)	(1,052)	(6,145)
MSI	CMBX.NA.BBB-8	460,000	USD	460,000	3.000%	Monthly	Oct 2057	22,083	82,083	104,166

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Opportunistic Fixed Income Fund (continued)

Credit default swaps - Buyer (continued)

Counterparty (OTC)/ Centrally cleared	Reference obligation	Notional amount	Currency	USD notional amount	Pay fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
MSI	CMBX.NA.AAA.12	610,000	USD	\$610,000	0.500%	Monthly	Aug 2061	\$(473)	\$(1,954)	\$(2,427)
MSI	CMBX.NA.AAA.13	610,000	USD	610,000	0.500%	Monthly	Dec 2072	4,331	(1,533)	2,798
				\$8,990,000				\$(114,517)	\$115,443	\$926
Centrally cleared	CDX.NA.HY.34 iTraxx Europe Crossover	61,380	USD	61,380	5.000%	Quarterly	Jun 2025	335	(4,470)	(4,135)
Centrally cleared	Series 33 Version 1	110,000	EUR	123,997	5.000%	Quarterly	Jun 2025	(7,191)	(4,221)	(11,412)
				\$185,377				\$(6,856)	\$(8,691)	\$(15,547)
				\$9,175,377				\$(121,373)	\$106,752	\$(14,621)

Credit default swaps - Seller

Counterparty (OTC)/ Centrally cleared	Reference obligation	Implied credit spread	Notional amount	Currency	USD notional amount	Received fixed rate	Fixed payment frequency	Maturity date	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
GSI	CDX.NA.HY.34	4.538%	799,800	USD	\$799,800	5.000%	Quarterly	Jun 2023	\$(17,518)	\$54,352	\$36,834
GSI	CDX.NA.HY.34	4.538%	404,550	USD	404,550	5.000%	Quarterly	Jun 2023	(8,869)	27,500	18,631
GSI	CDX.NA.HY.34	4.538%	399,900	USD	399,900	5.000%	Quarterly	Jun 2023	(13,258)	31,564	18,306
GSI	CMBX.NA.BBB-.11	5.810%	50,000	USD	50,000	3.000%	Monthly	Nov 2054	(8,703)	942	(7,761)
GSI	CMBX.NA.BBB-.10	6.250%	25,000	USD	25,000	3.000%	Monthly	Nov 2059	(4,826)	352	(4,474)
					\$1,679,250				\$(53,174)	\$114,710	\$61,536
Centrally cleared	CDX.NA.HY.33	4.280%	1,885,500	USD	1,885,500	5.000%	Quarterly	Dec 2024	(20,798)	145,761	124,963
Centrally cleared	CDX.NA.HY.34	4.340%	186,000	USD	186,000	5.000%	Quarterly	Jun 2025	316	12,213	12,529
Centrally cleared	CDX.NA.IG.34	0.695%	85,000	USD	85,000	1.000%	Quarterly	Jun 2025	1,115	455	1,570
Centrally cleared	iTraxx Europe Series 33 Version 1	0.610%	315,000	EUR	355,084	1.000%	Quarterly	Jun 2025	6,412	2,611	9,023
					\$2,511,584				\$(12,955)	\$161,040	\$148,085
					\$4,190,834				\$(66,129)	\$275,750	\$209,621

Total return swaps

Pay/ receive	Reference entity	Floating/ fixed rate	Payment frequency	Currency	Notional amount	Maturity date	Counterparty (OTC)	Unamortized upfront payment paid (received)	Unrealized appreciation (depreciation)	Value
Pay	iBoxx \$ Liquid Investment Grade Index	3-Month USD LIBOR	At Maturity	USD	770,000	Mar 2021	GSI	\$46	\$(15,038)	\$(14,992)
Pay	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	1,220,000	Mar 2021	MSI	445	26,381	26,826
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	370,000	Mar 2021	BARC	(135)	4,720	4,585
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	290,000	Mar 2021	BARC	(113)	3,499	3,386
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	770,000	Mar 2021	JPM	(46)	28,540	28,494
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	1,200,000	Mar 2021	JPM	(414)	21,435	21,021
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	465,000	Mar 2021	MSI	(169)	5,863	5,694
Receive	iBoxx \$ Liquid Leveraged Loan Index	3-Month USD LIBOR	At Maturity	USD	95,000	Mar 2021	MSI	(35)	1,198	1,163
								\$(421)	\$76,598	\$76,177

Derivatives Currency Abbreviations

AUD	Australian Dollar
BRL	Brazilian Real
CAD	Canadian Dollar
CHF	Swiss Franc
CLP	Chilean Peso
CNY	Chinese Yuan Renminbi
COP	Colombian Peso

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

Opportunistic Fixed Income Fund (continued)

CZK	Czech Republic Koruna
EUR	Euro
GBP	Pound Sterling
HUF	Hungarian Forint
IDR	Indonesian Rupiah
ILS	Israeli New Shekel
INR	Indian Rupee
JPY	Japanese Yen
KRW	Korean Won
MXN	Mexican Peso
NOK	Norwegian Krone
NZD	New Zealand Dollar
PHP	Philippine Peso
PLN	Polish Zloty
RUB	Russian Ruble
SEK	Swedish Krona
SGD	Singapore Dollar
THB	Thai Bhat
TRY	Turkish Lira
USD	U.S. Dollar
ZAR	South African Rand

Derivatives Abbreviations

BARC	Barclays Bank PLC
BOA	Bank of America, N.A.
CITI	Citibank, N.A.
CLICP	Sinacofi Chile Interbank Rate Average
CNREPOFIX	China Fixing Repo Rate
GSI	Goldman Sachs International
IBR	Colombia Overnight Interbank Rate
JPM	JPMorgan Chase Bank, N.A.
LIBOR	London Interbank Offered Rate
MSI	Morgan Stanley & Co. International PLC
OIS	Overnight Index Swap
OTC	Over-the-counter
WIBOR	Warsaw Interbank Offered Rate

See Notes to financial statements regarding investment transactions and other derivatives information.

U.S. High Yield Bond Fund

	Shares or Principal Amount	Value
CORPORATE BONDS – 94.7%		
Communication services – 15.7%		
Block Communications, Inc.		
4.875%, 03/01/2028 (A)	\$ 125,000	\$ 127,500
CCO Holdings LLC		
4.000%, 03/01/2023 (A)	50,000	50,688
4.500%, 08/15/2030 to 05/01/2032 (A)	800,000	848,626
5.000%, 02/01/2028 (A)	125,000	132,188
5.125%, 05/01/2027 (A)	250,000	266,255
5.375%, 05/01/2025 (A)	2,150,000	2,211,813
5.750%, 02/15/2026 (A)	2,700,000	2,829,762
Cinemark USA, Inc.		
5.125%, 12/15/2022	600,000	562,500
8.750%, 05/01/2025 (A)	75,000	80,438
CSC Holdings LLC		
4.125%, 12/01/2030 (A)	275,000	285,450
4.625%, 12/01/2030 (A)	750,000	767,033
5.375%, 02/01/2028 (A)	375,000	399,928
5.500%, 05/15/2026 (A)	1,125,000	1,180,080
6.500%, 02/01/2029 (A)	350,000	394,406
7.500%, 04/01/2028 (A)	550,000	617,375
Diamond Sports Group LLC		
5.375%, 08/15/2026 (A)	125,000	97,500
6.625%, 08/15/2027 (A)(B)	725,000	407,813

U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Gray Television, Inc.		
5.125%, 10/15/2024 (A)	\$ 975,000	\$ 996,733
5.875%, 07/15/2026 (A)	2,000,000	2,075,000
7.000%, 05/15/2027 (A)	200,000	217,000
Intelsat Connect Finance SA		
9.500%, 02/15/2023 (A)(C)	275,000	93,500
Intelsat Jackson Holdings SA		
5.500%, 08/01/2023 (B)(C)	3,375,000	2,244,375
8.500%, 10/15/2024 (A)(C)	1,100,000	748,000
Intelsat Luxembourg SA		
8.125%, 06/01/2023 (C)	650,000	27,625
Lamar Media Corp.		
3.750%, 02/15/2028 (A)	700,000	699,125
4.000%, 02/15/2030 (A)	700,000	714,875
5.750%, 02/01/2026	50,000	52,140
Level 3 Financing, Inc.		
5.375%, 01/15/2024	425,000	429,781
Live Nation Entertainment, Inc.		
6.500%, 05/15/2027 (A)	150,000	163,871
Match Group Holdings II LLC		
4.125%, 08/01/2030 (A)	125,000	130,938
Nexstar Broadcasting, Inc.		
5.625%, 07/15/2027 (A)	2,095,000	2,210,225

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Communication services (continued)		
Nielsen Finance LLC		
5.000%, 04/15/2022 (A)	\$ 2,825,000	\$ 2,827,684
Outfront Media Capital LLC		
4.625%, 03/15/2030 (A)	1,225,000	1,185,188
5.000%, 08/15/2027 (A)	25,000	24,555
5.625%, 02/15/2024	375,000	380,625
Salem Media Group, Inc.		
6.750%, 06/01/2024 (A)(B)	2,100,000	1,806,000
Scripps Escrow, Inc.		
5.875%, 07/15/2021 (A)	125,000	125,000
Sprint Capital Corp.		
6.875%, 11/15/2028	140,000	179,094
8.750%, 03/15/2032	820,000	1,238,559
The EW Scripps Company		
5.125%, 05/15/2025 (A)	2,050,000	2,029,500
The Nielsen Company Luxembourg SARL		
5.000%, 02/01/2025 (A)(B)	400,000	407,000
T-Mobile USA, Inc.		
4.500%, 02/01/2026	75,000	77,423
4.750%, 02/01/2028	325,000	350,188
5.125%, 04/15/2025	250,000	256,281
5.375%, 04/15/2027	875,000	942,813
6.375%, 03/01/2025	1,550,000	1,582,938
Virgin Media Finance PLC		
5.000%, 07/15/2030 (A)	475,000	489,108
Windstream Escrow LLC		
7.750%, 08/15/2028 (A)	535,000	535,112
		36,499,611
Consumer discretionary – 12.3%		
Asbury Automotive Group, Inc.		
4.500%, 03/01/2028 (A)	360,000	368,100
4.750%, 03/01/2030 (A)	347,000	359,617
Carriage Services, Inc.		
6.625%, 06/01/2026 (A)	1,750,000	1,850,625
CCM Merger, Inc.		
6.000%, 03/15/2022 (A)	3,050,000	3,034,750
Clarios Global LP		
6.250%, 05/15/2026 (A)	100,000	106,063
6.750%, 05/15/2025 (A)	75,000	80,360
Connect Finco SARL		
6.750%, 10/01/2026 (A)	450,000	464,625
Cooper Tire & Rubber Company		
7.625%, 03/15/2027	2,410,000	2,724,626
Ford Motor Company		
4.750%, 01/15/2043	1,375,000	1,273,594
9.000%, 04/22/2025	150,000	175,540
9.625%, 04/22/2030	150,000	196,616
Ford Motor Credit Company LLC		
4.389%, 01/08/2026	1,450,000	1,475,114
5.113%, 05/03/2029	2,000,000	2,112,500
5.125%, 06/16/2025	300,000	315,219
Group 1 Automotive, Inc.		
4.000%, 08/15/2028 (A)	525,000	523,803
5.000%, 06/01/2022	925,000	925,000
Hilton Domestic Operating Company, Inc.		
4.875%, 01/15/2030	125,000	128,750
KFC Holding Company/Pizza Hut Holdings LLC/Taco Bell of America LLC		
5.000%, 06/01/2024 (A)	650,000	670,657
5.250%, 06/01/2026 (A)	650,000	674,375
Levi Strauss & Company		
5.000%, 05/01/2025	175,000	178,938

U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Consumer discretionary (continued)		
Lithia Motors, Inc.		
4.625%, 12/15/2027 (A)	\$ 200,000	\$ 211,000
5.250%, 08/01/2025 (A)	1,025,000	1,062,264
Penske Automotive Group, Inc.		
3.500%, 09/01/2025	85,000	85,614
5.375%, 12/01/2024	1,125,000	1,146,218
5.750%, 10/01/2022	1,000,000	1,000,700
Service Corp. International		
4.625%, 12/15/2027	425,000	457,938
5.125%, 06/01/2029	1,175,000	1,301,747
7.500%, 04/01/2027	450,000	544,500
8.000%, 11/15/2021	2,145,000	2,295,150
Sonic Automotive, Inc.		
6.125%, 03/15/2027	350,000	366,188
Telesat Canada		
6.500%, 10/15/2027 (A)	350,000	359,520
The William Carter Company		
5.500%, 05/15/2025 (A)	150,000	159,936
5.625%, 03/15/2027 (A)	375,000	398,393
Wyndham Hotels & Resorts, Inc.		
5.375%, 04/15/2026 (A)	1,270,000	1,317,625
Yum! Brands, Inc.		
4.750%, 01/15/2030 (A)	150,000	165,375
7.750%, 04/01/2025 (A)	150,000	167,438
		28,678,478
Consumer staples – 1.5%		
Albertsons Companies, Inc.		
4.625%, 01/15/2027 (A)	150,000	158,496
4.875%, 02/15/2030 (A)	150,000	161,250
Cott Holdings, Inc.		
5.500%, 04/01/2025 (A)	375,000	387,656
Darling Ingredients, Inc.		
5.250%, 04/15/2027 (A)	500,000	530,625
Pilgrim's Pride Corp.		
5.750%, 03/15/2025 (A)	940,000	965,850
5.875%, 09/30/2027 (A)	125,000	132,813
Prestige Brands, Inc.		
5.125%, 01/15/2028 (A)	125,000	131,110
6.375%, 03/01/2024 (A)	725,000	748,410
Spectrum Brands, Inc.		
5.750%, 07/15/2025	275,000	283,938
		3,500,148
Energy – 18.5%		
Antero Midstream Partners LP		
5.750%, 01/15/2028 (A)	1,875,000	1,657,406
Apache Corp.		
4.250%, 01/15/2030	50,000	48,652
4.750%, 04/15/2043	750,000	706,463
4.875%, 11/15/2027	75,000	76,638
Archrock Partners LP		
6.250%, 04/01/2028 (A)	200,000	200,960
6.875%, 04/01/2027 (A)	450,000	463,500
Baytex Energy Corp.		
5.625%, 06/01/2024 (A)	1,400,000	829,500
8.750%, 04/01/2027 (A)	2,100,000	1,029,000
Bristow Group, Inc.		
7.750%, 12/15/2022 (B)	1,600,000	1,504,000
Buckeye Partners LP		
5.850%, 11/15/2043	825,000	800,729
Callon Petroleum Company		
6.125%, 10/01/2024	732,000	239,044
8.250%, 07/15/2025 (B)	1,038,000	311,400
Cenovus Energy, Inc.		
5.375%, 07/15/2025	80,000	81,403

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Cheniere Corpus Christi Holdings LLC 5.125%, 06/30/2027	\$ 75,000	\$ 84,490
Cheniere Energy Partners LP 4.500%, 10/01/2029	350,000	363,850
5.250%, 10/01/2025	3,175,000	3,248,787
5.625%, 10/01/2026	400,000	419,276
Denbury Resources, Inc. 7.750%, 02/15/2024 (A)(C)	743,000	371,500
9.000%, 05/15/2021 (A)(C)	1,300,000	650,000
9.250%, 03/31/2022 (A)(B)(C)	451,000	225,500
Diamond Offshore Drilling, Inc. 4.875%, 11/01/2043 (C)	993,000	99,300
EnLink Midstream LLC 5.375%, 06/01/2029	1,725,000	1,520,708
EnLink Midstream Partners LP 4.150%, 06/01/2025	25,000	22,281
4.400%, 04/01/2024	300,000	277,500
5.050%, 04/01/2045 (B)	1,175,000	763,750
5.450%, 06/01/2047	1,175,000	768,215
5.600%, 04/01/2044	750,000	495,000
Enviva Partners LP 6.500%, 01/15/2026 (A)	1,675,000	1,783,523
EQM Midstream Partners LP 6.000%, 07/01/2025 (A)	75,000	79,594
6.500%, 07/01/2027 (A)	150,000	164,250
6.500%, 07/15/2048	325,000	329,063
Harvest Midstream I LP 7.500%, 09/01/2028 (A)	345,000	357,123
Hilcorp Energy I LP 5.000%, 12/01/2024 (A)	1,250,000	1,184,375
5.750%, 10/01/2025 (A)	1,325,000	1,245,500
6.250%, 11/01/2028 (A)	225,000	211,500
Indigo Natural Resources LLC 6.875%, 02/15/2026 (A)	575,000	587,938
Murphy Oil Corp. 5.750%, 08/15/2025	125,000	119,844
5.875%, 12/01/2027	125,000	120,078
Murphy Oil USA, Inc. 4.750%, 09/15/2029	75,000	81,081
New Fortress Energy, Inc. 6.750%, 09/15/2025 (A)	290,000	293,680
NGPL PipeCo LLC 4.375%, 08/15/2022 (A)	225,000	233,259
7.768%, 12/15/2037 (A)	275,000	335,734
Occidental Petroleum Corp. 4.625%, 06/15/2045	1,575,000	1,244,250
6.200%, 03/15/2040	500,000	475,000
6.450%, 09/15/2036	3,825,000	3,750,918
6.600%, 03/15/2046	375,000	372,409
Oceaneering International, Inc. 6.000%, 02/01/2028	1,350,000	854,577
Pattern Energy Operations LP 4.500%, 08/15/2028 (A)	2,300,000	2,420,750
Rockies Express Pipeline LLC 4.800%, 05/15/2030 (A)	725,000	714,125
6.875%, 04/15/2040 (A)	1,506,000	1,551,180
7.500%, 07/15/2038 (A)	201,000	213,060
Southwestern Energy Company 6.450%, 01/23/2025	15,000	15,068
7.500%, 04/01/2026	250,000	251,250
7.750%, 10/01/2027 (B)	850,000	869,210
8.375%, 09/15/2028	545,000	564,075
Tallgrass Energy Partners LP 5.500%, 09/15/2024 (A)	2,500,000	2,450,000

U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Energy (continued)		
Ultra Resources, Inc. 7.125%, 04/15/2025 (A)(C)	\$ 2,675,000	\$ 6,688
USA Compression Partners LP 6.875%, 04/01/2026 to 09/01/2027	1,150,000	1,186,250
Western Midstream Operating LP 5.050%, 02/01/2030	650,000	666,380
5.300%, 03/01/2048	1,100,000	982,113
6.250%, 02/01/2050	50,000	50,071
		43,022,768
Financials – 4.8%		
AmWINS Group, Inc. 7.750%, 07/01/2026 (A)	1,175,000	1,266,063
CIT Group, Inc. 4.125%, 03/09/2021	40,000	40,350
6.125%, 03/09/2028	50,000	58,938
FirstCash, Inc. 4.625%, 09/01/2028 (A)	420,000	431,630
5.375%, 06/01/2024 (A)	1,175,000	1,206,655
Genworth Mortgage Holdings, Inc. 6.500%, 08/15/2025 (A)	110,000	115,689
HUB International, Ltd. 7.000%, 05/01/2026 (A)	500,000	518,750
Ladder Capital Finance Holdings LLLP 4.250%, 02/01/2027 (A)	200,000	183,500
5.250%, 03/15/2022 to 10/01/2025 (A)	1,500,000	1,434,000
LPL Holdings, Inc. 4.625%, 11/15/2027 (A)	250,000	260,000
5.750%, 09/15/2025 (A)	2,425,000	2,522,000
OneMain Finance Corp. 5.375%, 11/15/2029	625,000	664,844
6.125%, 03/15/2024	400,000	433,708
6.625%, 01/15/2028	400,000	456,604
7.125%, 03/15/2026	600,000	688,497
8.250%, 10/01/2023	225,000	253,125
USI, Inc. 6.875%, 05/01/2025 (A)	475,000	486,875
		11,021,228
Health care – 10.2%		
Bausch Health Americas, Inc. 8.500%, 01/31/2027 (A)	300,000	330,000
Bausch Health Companies, Inc. 5.000%, 01/30/2028 (A)	250,000	246,250
5.250%, 01/30/2030 (A)	250,000	248,498
5.500%, 03/01/2023 to 11/01/2025 (A)	1,032,000	1,040,745
5.750%, 08/15/2027 (A)	100,000	107,404
5.875%, 05/15/2023 (A)	138,000	138,000
6.125%, 04/15/2025 (A)	1,265,000	1,301,369
6.250%, 02/15/2029 (A)	1,000,000	1,045,350
7.000%, 03/15/2024 to 01/15/2028 (A)	425,000	444,162
7.250%, 05/30/2029 (A)	50,000	54,875
Centene Corp. 5.375%, 08/15/2026 (A)	100,000	105,875
Change Healthcare Holdings LLC 5.750%, 03/01/2025 (A)	2,250,000	2,295,000
Charles River Laboratories International, Inc. 4.250%, 05/01/2028 (A)	75,000	78,938
5.500%, 04/01/2026 (A)	250,000	263,125
Community Health Systems, Inc. 6.250%, 03/31/2023	200,000	200,500
6.625%, 02/15/2025 (A)	1,500,000	1,530,000
DaVita, Inc. 3.750%, 02/15/2031 (A)	325,000	320,782
4.625%, 06/01/2030 (A)	575,000	604,469

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Health care (continued)		
Encompass Health Corp. 4.500%, 02/01/2028	\$ 225,000	\$ 230,708
4.750%, 02/01/2030	250,000	260,828
5.125%, 03/15/2023	245,000	246,838
5.750%, 11/01/2024 to 09/15/2025	65,000	66,790
Hill-Rom Holdings, Inc. 4.375%, 09/15/2027 (A)	650,000	679,617
5.000%, 02/15/2025 (A)	50,000	51,633
Hologic, Inc. 4.375%, 10/15/2025 (A)	1,300,000	1,326,845
4.625%, 02/01/2028 (A)	150,000	159,258
IQVIA, Inc. 5.000%, 10/15/2026 to 05/15/2027 (A)	700,000	735,245
MEDNAX, Inc. 5.250%, 12/01/2023 (A)	150,000	152,625
MPH Acquisition Holdings LLC 7.125%, 06/01/2024 (A)	2,225,000	2,259,043
Ortho-Clinical Diagnostics, Inc. 7.250%, 02/01/2028 (A)	150,000	155,250
Polaris Intermediate Corp. (8.500% Cash or 9.250% PIK) 8.500%, 12/01/2022 (A)(B)	400,000	406,500
Select Medical Corp. 6.250%, 08/15/2026 (A)	850,000	913,130
Surgery Center Holdings, Inc. 6.750%, 07/01/2025 (A)(B)	325,000	320,125
Tenet Healthcare Corp. 4.625%, 07/15/2024	775,000	792,825
4.625%, 06/15/2028 (A)	150,000	155,625
4.875%, 01/01/2026 (A)	400,000	416,000
5.125%, 11/01/2027 (A)	100,000	105,500
7.000%, 08/01/2025 (B)	350,000	361,375
7.500%, 04/01/2025 (A)	175,000	192,010
Teva Pharmaceutical Finance Netherlands III BV 4.100%, 10/01/2046	500,000	427,500
6.750%, 03/01/2028 (B)	1,600,000	1,744,000
Vizient, Inc. 6.250%, 05/15/2027 (A)	1,125,000	1,195,313
		23,709,925
Industrials – 12.7%		
ACCO Brands Corp. 5.250%, 12/15/2024 (A)	25,000	25,568
Advanced Disposal Services, Inc. 5.625%, 11/15/2024 (A)	1,925,000	1,989,969
Air Canada 7.750%, 04/15/2021 (A)	550,000	550,000
Allison Transmission, Inc. 4.750%, 10/01/2027 (A)	750,000	783,750
5.000%, 10/01/2024 (A)	2,625,000	2,651,329
5.875%, 06/01/2029 (A)	350,000	383,250
Covanta Holding Corp. 5.000%, 09/01/2030	80,000	82,024
5.875%, 07/01/2025	500,000	521,670
6.000%, 01/01/2027	475,000	497,031
Fortress Transportation and Infrastructure Investors LLC 6.500%, 10/01/2025 (A)	1,625,000	1,576,250
9.750%, 08/01/2027 (A)	135,000	143,946
IAA, Inc. 5.500%, 06/15/2027 (A)	2,300,000	2,423,579
KAR Auction Services, Inc. 5.125%, 06/01/2025 (A)	3,425,000	3,450,688
Pike Corp. 5.500%, 09/01/2028 (A)	145,000	145,725

U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Industrials (continued)		
Prime Security Services Borrower LLC 3.375%, 08/31/2027 (A)	\$ 1,195,000	\$ 1,190,710
RBS Global, Inc. 4.875%, 12/15/2025 (A)	1,825,000	1,868,344
Ritchie Bros Auctioneers, Inc. 5.375%, 01/15/2025 (A)	2,525,000	2,607,063
Sensata Technologies BV 5.625%, 11/01/2024 (A)	1,600,000	1,744,000
Sensata Technologies UK Financing Company PLC 6.250%, 02/15/2026 (A)	250,000	261,895
Sensata Technologies, Inc. 3.750%, 02/15/2031 (A)	230,000	229,425
Signature Aviation US Holdings, Inc. 4.000%, 03/01/2028 (A)	525,000	513,287
5.375%, 05/01/2026 (A)	1,375,000	1,416,250
Stevens Holding Company, Inc. 6.125%, 10/01/2026 (A)	1,250,000	1,346,875
Tempo Acquisition LLC 5.750%, 06/01/2025 (A)	75,000	78,563
TriMas Corp. 4.875%, 10/15/2025 (A)	1,325,000	1,346,531
Vertical Holdco GmbH 7.625%, 07/15/2028 (A)	250,000	263,750
Vertical US Newco, Inc. 5.250%, 07/15/2027 (A)	1,400,000	1,457,750
		29,549,222
Information technology – 5.8%		
Black Knight InfoServ LLC 3.625%, 09/01/2028 (A)	80,000	81,026
Cardtronics, Inc. 5.500%, 05/01/2025 (A)(B)	2,350,000	2,373,500
CDK Global, Inc. 5.250%, 05/15/2029 (A)	100,000	109,092
CommScope Technologies LLC 6.000%, 06/15/2025 (A)	490,000	502,353
CommScope, Inc. 8.250%, 03/01/2027 (A)(B)	450,000	487,121
Dell International LLC 5.875%, 06/15/2021 (A)	1,207,000	1,208,883
7.125%, 06/15/2024 (A)	2,275,000	2,362,110
Fair Isaac Corp. 4.000%, 06/15/2028 (A)	100,000	103,500
5.250%, 05/15/2026 (A)	1,425,000	1,636,328
Gartner, Inc. 5.125%, 04/01/2025 (A)	615,000	639,416
Level 3 Financing, Inc. 3.625%, 01/15/2029 (A)	830,000	832,158
4.250%, 07/01/2028 (A)	425,000	437,431
Logan Merger Sub, Inc. 5.500%, 09/01/2027 (A)	150,000	154,313
NCR Corp. 5.000%, 07/15/2022	510,000	509,118
5.000%, 10/01/2028 (A)	80,000	80,600
5.250%, 10/01/2030 (A)	610,000	617,936
5.750%, 09/01/2027 (A)	50,000	52,500
8.125%, 04/15/2025 (A)	150,000	167,807
NortonLifeLock, Inc. 5.000%, 04/15/2025 (A)	125,000	127,500
ON Semiconductor Corp. 3.875%, 09/01/2028 (A)	25,000	26,087
Qorvo, Inc. 4.375%, 10/15/2029	200,000	214,500

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Information technology (continued)		
SS&C Technologies, Inc. 5.500%, 09/30/2027 (A)	\$ 700,000	\$ 749,770
		13,473,049
Materials – 4.9%		
Ardagh Packaging Finance PLC 4.125%, 08/15/2026 (A)	600,000	625,920
5.250%, 04/30/2025 (A)	125,000	132,644
Ball Corp. 4.875%, 03/15/2026	250,000	280,000
5.000%, 03/15/2022	175,000	185,754
5.250%, 07/01/2025	75,000	84,995
Berry Global, Inc. 4.875%, 07/15/2026 (A)	350,000	371,875
5.125%, 07/15/2023	214,000	216,675
5.625%, 07/15/2027 (A)	100,000	105,750
6.000%, 10/15/2022	320,000	320,400
Clearwater Paper Corp. 4.750%, 08/15/2028 (A)	70,000	70,700
5.375%, 02/01/2025 (A)(B)	300,000	315,132
Crown Americas LLC 4.250%, 09/30/2026	775,000	823,918
4.750%, 02/01/2026	800,000	833,960
Flex Acquisition Company, Inc. 6.875%, 01/15/2025 (A)	800,000	815,440
7.875%, 07/15/2026 (A)	350,000	367,217
Kaiser Aluminum Corp. 4.625%, 03/01/2028 (A)	275,000	272,008
6.500%, 05/01/2025 (A)	175,000	184,960
Novelis Corp. 5.875%, 09/30/2026 (A)	250,000	261,200
OI European Group BV 4.000%, 03/15/2023 (A)	350,000	353,574
Owens-Brockway Glass Container, Inc. 5.875%, 08/15/2023 (A)	600,000	638,250
Plastipak Holdings, Inc. 6.250%, 10/15/2025 (A)(B)	550,000	557,535
QVC, Inc. 4.750%, 02/15/2027	600,000	638,442
Reynolds Group Issuer, Inc. 5.125%, 07/15/2023 (A)	450,000	456,615
Sealed Air Corp. 5.125%, 12/01/2024 (A)	1,165,000	1,281,500
Silgan Holdings, Inc. 4.125%, 02/01/2028	650,000	673,563
4.750%, 03/15/2025	100,000	102,000
Valvoline, Inc. 4.250%, 02/15/2030 (A)	325,000	344,906
4.375%, 08/15/2025	125,000	129,713
		11,444,646
Real estate – 4.3%		
CoreCivic, Inc. 4.625%, 05/01/2023	300,000	285,000
5.000%, 10/15/2022	800,000	788,000
GLP Capital LP 5.375%, 11/01/2023	625,000	669,656
MPT Operating Partnership LP 4.625%, 08/01/2029	275,000	293,552
5.000%, 10/15/2027	725,000	766,688
5.250%, 08/01/2026	800,000	840,000
5.500%, 05/01/2024	715,000	725,725
6.375%, 03/01/2024	60,000	61,950
SBA Communications Corp. 3.875%, 02/15/2027 (A)	300,000	311,385
4.000%, 10/01/2022	525,000	528,528

U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
CORPORATE BONDS (continued)		
Real estate (continued)		
Service Properties Trust 3.950%, 01/15/2028	\$ 420,000	\$ 361,326
4.375%, 02/15/2030	500,000	432,500
4.750%, 10/01/2026	225,000	207,000
4.950%, 02/15/2027	925,000	848,688
5.250%, 02/15/2026	375,000	354,375
7.500%, 09/15/2025	85,000	92,449
The GEO Group, Inc. 5.125%, 04/01/2023	210,000	173,250
5.875%, 01/15/2022 to 10/15/2024	1,665,000	1,511,400
6.000%, 04/15/2026	975,000	747,674
		9,999,146
Utilities – 4.0%		
NextEra Energy Operating Partners LP 4.250%, 07/15/2024 to 09/15/2024 (A)	825,000	880,205
4.500%, 09/15/2027 (A)	725,000	792,063
NSG Holdings LLC 7.750%, 12/15/2025 (A)	2,196,881	2,317,710
Pacific Gas & Electric Company 2.500%, 02/01/2031	300,000	291,503
3.500%, 08/01/2050	300,000	279,986
PG&E Corp. 5.000%, 07/01/2028	150,000	149,625
5.250%, 07/01/2030	150,000	149,616
TerraForm Power Operating LLC 4.250%, 01/31/2023 (A)	2,250,000	2,329,200
4.750%, 01/15/2030 (A)	400,000	428,000
5.000%, 01/31/2028 (A)	1,525,000	1,694,481
		9,312,389
TOTAL CORPORATE BONDS (Cost		
\$216,654,233)		\$ 220,210,610
CONVERTIBLE BONDS – 0.4%		
Communication services – 0.2%		
DISH Network Corp. 3.375%, 08/15/2026	575,000	567,108
Energy – 0.2%		
Denbury Resources, Inc. 6.375%, 12/31/2024 (A)(C)	531,000	82,305
Whiting Petroleum Corp. 1.250%, 04/01/2020 (C)	1,345,000	309,350
		391,655
TOTAL CONVERTIBLE BONDS (Cost		
\$2,297,615)		\$ 958,763
TERM LOANS (D) – 2.9%		
Communication services – 1.2%		
Ancestry.com Operations, Inc., 2019 Extended Term Loan B (1 month LIBOR + 4.250%) 4.410%, 08/27/2026	2,364,167	2,359,439
Montreign Operating Company LLC, Bridge Term Loan (1 month LIBOR + 2.250%) 2.406%, 03/22/2021	420,089	401,710
		2,761,149
Consumer discretionary – 0.1%		
CCM Merger, Inc., New Term Loan B (1 month LIBOR + 2.250%) 3.000%, 08/08/2021	280,065	276,004
Energy – 0.2%		
EPIC Crude Services LP, Term Loan B (3 month LIBOR + 5.000%) 5.260%, 03/02/2026	600,000	474,000

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

U.S. High Yield Bond Fund (continued)

	Shares or Principal Amount	Value
TERM LOANS (D) (continued)		
Financials – 1.4%		
Emerald TopCo, Inc., Term Loan (1 and 3 month LIBOR + 3.500%) 3.760%, 07/24/2026	\$ 669,938	\$ 650,677
HUB International, Ltd., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%) 5.000%, 04/25/2025	447,750	447,253
Nexus Buyer LLC, Term Loan B (1 month LIBOR + 3.750%) 3.912%, 11/09/2026	472,625	469,553
USI, Inc., 2019 Incremental Term Loan B (3 month LIBOR + 4.000%) 4.308%, 12/02/2026	149,250	146,793
VFH Parent LLC, 2019 Term Loan B (1 month LIBOR + 3.000%) 3.164%, 03/01/2026	232,189	229,214
Victory Capital Holdings, Inc., 2020 Term Loan B1 (3 month LIBOR + 2.500%) 2.799%, 07/01/2026	1,281,298	1,260,477
		3,203,967
Materials – 0.0%		
Clearwater Paper Corp., Term Loan B (3 month LIBOR + 3.250%) 4.250%, 07/26/2026	109,625	109,351
TOTAL TERM LOANS (Cost \$6,959,692)		\$ 6,824,471
RIGHTS – 0.1%		
Texas Competitive Electric Holdings Company LLC (E)(F)	215,025	225,776
TOTAL RIGHTS (Cost \$1,079,996)		\$ 225,776
ESCROW CERTIFICATES – 0.0%		
Texas Competitive Electric Holdings Company LLC 11.500%, 10/01/2020 (E)(G)	\$ 13,200,000	19,800
TOTAL ESCROW CERTIFICATES (Cost \$6,477)		\$ 19,800
SHORT-TERM INVESTMENTS – 4.3%		
Short-term funds – 4.3%		
John Hancock Collateral Trust, 0.2611% (H)(I)	943,564	9,445,733
State Street Institutional U.S. Government Money Market Fund, Premier Class, 0.0399% (H)	547,388	547,388
TOTAL SHORT-TERM INVESTMENTS (Cost \$9,985,128)		\$ 9,993,121
Total Investments (U.S. High Yield Bond Fund) (Cost \$236,983,141) – 102.4%		\$ 238,232,541
Other assets and liabilities, net – (2.4%)		(5,649,831)
TOTAL NET ASSETS – 100.0%		\$ 232,582,710

U.S. High Yield Bond Fund (continued)

- (E) Non-income producing security.
 (F) Strike price and/or expiration date not available.
 (G) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.
 (H) The rate shown is the annualized seven-day yield as of 8-31-20.
 (I) Investment is an affiliate of the fund, the advisor and/or subadvisor. This security represents the investment of cash collateral received for securities lending.

Security Abbreviations and Legend

- LIBOR London Interbank Offered Rate
 PIK Pay-in-Kind Security - Represents a payment-in-kind which may pay interest in additional par and/or cash. Rates shown are the current rate and most recent payment rate.
 (A) 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. Rule 144A securities amounted to \$147,617,876 or 63.5% of the fund's net assets as of 8-31-20.
 (B) All or a portion of this security is on loan as of 8-31-20.
 (C) Non-income producing - Issuer is in default.
 (D) Term loans are variable rate obligations. The coupon rate shown represents the rate at period end.

John Hancock Funds II

Portfolio of Investments — August 31, 2020 (showing percentage of total net assets)

The following fund had the following country composition as a percentage of net assets on 8-31-20:

High Yield Fund

United States	78.4%
Cayman Islands	5.0%
Canada	4.1%
United Kingdom	3.5%
France	1.9%
Italy	1.2%
Other countries	<u>5.9%</u>
TOTAL	100.0%

John Hancock Funds II

Statements of assets and liabilities — August 31, 2020

Assets	Asia Pacific Total Return Bond Fund	Core Bond Fund	High Yield Fund	Opportunistic Fixed Income Fund
Unaffiliated investments, at value (including securities loaned)	\$173,480,054	\$3,093,883,956	\$200,308,742	\$42,791,122
Affiliated investments, at value	—	—	272,666	—
Total investments, at value	173,480,054	3,093,883,956	200,581,408	42,791,122
Swap contracts, at value	—	—	—	376,882
Receivable for centrally cleared swaps	—	—	497,492	—
Unrealized appreciation on forward foreign currency contracts	—	—	78,960	96,528
Receivable for futures variation margin	—	—	80,482	6,920
Cash	54,200	23,729	—	—
Foreign currency, at value	497,671	—	321,308	24,432
Collateral held at broker for futures contracts	550,000	—	116,138	—
Cash collateral at broker for sale commitments	—	964,000	—	—
Collateral segregated at custodian for OTC derivative contracts	—	—	170,000	—
Dividends and interest receivable	2,265,180	11,832,535	2,807,648	241,808
Receivable for fund shares sold	—	3,390,552	—	49,566
Receivable for investments sold	1,624,000	7,305,558	256,637	60,431
Receivable for delayed delivery securities sold	—	665,229,236	—	646,848
Receivable for securities lending income	—	—	573	—
Receivable from affiliates	—	—	—	5,565
Other assets	7,836	31,622	6,750	9,909
Total assets	178,478,941	3,782,661,188	204,917,396	44,310,011
Liabilities				
Unrealized depreciation on forward foreign currency contracts	—	—	201,349	203,775
Swap contracts, at value	—	—	—	268,770
Payable for centrally cleared swaps	—	—	—	8,622
Payable for futures variation margin	65,450	—	—	—
Due to custodian	—	—	161,116	—
Payable for collateral on OTC derivatives	—	—	—	150,000
Payable for collateral on sale commitments	—	3,110,000	—	—
Payable for investments purchased	—	63,955,867	1,206,288	306,752
Payable for delayed delivery securities purchased	—	1,001,012,309	470,000	2,078,039
Payable for fund shares repurchased	9	622,563	165,123	—
Payable upon return of securities loaned	—	—	272,697	—
Payable to affiliates	—	—	—	—
Accounting and legal services fees	11,482	161,524	12,131	2,423
Trustees' fees	96	1,480	111	22
Other liabilities and accrued expenses	98,864	186,953	94,427	131,970
Total liabilities	175,901	1,069,050,696	2,583,242	3,150,373
Net assets	\$178,303,040	\$2,713,610,492	\$202,334,154	\$41,159,638
Net assets consist of				
Paid-in capital	\$186,678,033	\$2,507,337,353	\$311,763,230	\$45,179,239
Total distributable earnings (loss)	(8,374,993)	206,273,139	(109,429,076)	(4,019,601)
Net assets	\$178,303,040	\$2,713,610,492	\$202,334,154	\$41,159,638
Unaffiliated investments, including repurchase agreements, at cost	\$172,286,750	\$3,004,899,142	\$224,416,861	\$42,323,481
Affiliated investments, at cost	—	—	\$272,661	—
Foreign currency, at cost	\$477,205	—	\$310,205	\$25,700
Net unamortized upfront payment on OTC swaps	—	—	—	\$(168,850)
Securities loaned, at value	—	—	\$266,369	—
Net asset value per share				
The funds have an unlimited number of shares authorized with no par value. Net asset value is calculated by dividing the net assets of each class of shares by the number of outstanding shares in the class.				
Class 1				
Net assets	—	\$207,002,140	\$202,334,154	\$41,159,638
Shares outstanding	—	14,823,298	25,734,544	2,944,195
Net asset value, offering price and redemption price per share	—	\$13.96	\$7.86	\$13.98
Class NAV				
Net assets	\$178,303,040	\$2,506,608,352	—	—
Shares outstanding	17,744,698	179,780,994	—	—
Net asset value, offering price and redemption price per share	\$10.05	\$13.94	—	—

The accompanying notes are an integral part of the financial statements.

John Hancock Funds II

Statements of assets and liabilities — August 31, 2020

	U.S. High Yield Bond Fund
Assets	
Unaffiliated investments, at value (including securities loaned)	\$228,786,808
Affiliated investments, at value	9,445,733
Total investments, at value	238,232,541
Dividends and interest receivable	3,712,100
Receivable for fund shares sold	89,335
Receivable for investments sold	864,534
Receivable for securities lending income	8,436
Other assets	5,070
Total assets	242,912,016
Liabilities	
Payable for investments purchased	798,498
Payable upon return of securities loaned	9,444,760
Payable to affiliates	
Accounting and legal services fees	13,779
Trustees' fees	125
Other liabilities and accrued expenses	72,144
Total liabilities	10,329,306
Net assets	\$232,582,710
Net assets consist of	
Paid-in capital	\$251,583,872
Total distributable earnings (loss)	(19,001,162)
Net assets	\$232,582,710
Unaffiliated investments, including repurchase agreements, at cost	\$227,545,401
Affiliated investments, at cost	\$9,437,740
Securities loaned, at value	\$9,241,230
Net asset value per share	
The funds have an unlimited number of shares authorized with no par value. Net asset value is calculated by dividing the net assets of each class of shares by the number of outstanding shares in the class.	
Class 1	
Net assets	\$61,509,176
Shares outstanding	5,553,632
Net asset value, offering price and redemption price per share	\$11.08
Class NAV	
Net assets	\$171,073,534
Shares outstanding	15,463,443
Net asset value, offering price and redemption price per share	\$11.06

The accompanying notes are an integral part of the financial statements.

John Hancock Funds II

Statements of operations — For the year ended August 31, 2020

	Asia Pacific Total Return Bond Fund	Core Bond Fund	High Yield Fund	Opportunistic Fixed Income Fund
Investment income				
Interest	\$12,018,019	\$66,757,960	\$13,790,528	\$1,090,167
Dividends	—	—	187,213	67,411
Securities lending	—	4,540	18,986	—
Less foreign taxes withheld	(419,613)	—	(328)	(24,179)
Total investment income	11,598,406	66,762,500	13,996,399	1,133,399
Expenses				
Investment management fees	1,798,388	15,758,519	1,536,790	279,596
Distribution and service fees	—	92,994	109,771	20,703
Interest expense	—	—	—	37,578
Accounting and legal services fees	42,477	495,170	36,423	5,023
Trustees' fees	4,794	48,108	3,765	584
Custodian fees	127,922	336,589	47,235	103,303
Printing and postage	12,930	12,485	12,485	15,561
Professional fees	83,423	129,207	86,360	212,012
Other	19,981	94,588	27,105	11,014
Total expenses	2,089,915	16,967,660	1,859,934	685,374
Less expense reductions	(17,779)	(196,927)	(15,646)	(285,935)
Net expenses	2,072,136	16,770,733	1,844,288	399,439
Net investment income	9,526,270	49,991,767	12,152,111	733,960
Realized and unrealized gain (loss)				
Net realized gain (loss) on				
Unaffiliated investments and foreign currency transactions	(895,997)	141,019,515	(4,887,818)	3,193,833
Affiliated investments	—	(857)	(5,363)	—
Securities sold short	—	—	—	(14,950)
Futures contracts	(1,222,128)	—	230,607	117,959
Forward foreign currency contracts	—	—	32,622	(267,344)
Written options	—	—	(1,146,848)	113,156
Swap contracts	—	—	219,660	(147,113)
	(2,118,125)	141,018,658	(5,557,140)	2,995,541
Change in net unrealized appreciation (depreciation) of				
Unaffiliated investments and translation of assets and liabilities in foreign currencies	4,601,671	(13,324,591)	(162,805)	(605,506)
Affiliated investments	—	(30)	53	—
Securities sold short	—	—	—	(1,163)
Futures contracts	(83,637)	—	4,637	(89,876)
Forward foreign currency contracts	—	—	(131,534)	87,486
Written options	—	—	—	(22,273)
Swap contracts	—	—	88,278	332,670
	4,518,034	(13,324,621)	(201,371)	(298,662)
Net realized and unrealized gain (loss)	2,399,909	127,694,037	(5,758,511)	2,696,879
Increase in net assets from operations	\$11,926,179	\$177,685,804	\$6,393,600	\$3,430,839

The accompanying notes are an integral part of the financial statements.

John Hancock Funds II

Statements of operations — For the year ended August 31, 2020

	U.S. High Yield Bond Fund
Investment income	
Interest	\$13,749,908
Securities lending	114,659
Total investment income	13,864,567
Expenses	
Investment management fees	1,760,562
Distribution and service fees	33,311
Accounting and legal services fees	40,651
Trustees' fees	4,115
Custodian fees	47,742
Printing and postage	12,485
Professional fees	(37,637) ¹
Other	20,479
Total expenses	1,881,708
Less expense reductions	(16,792)
Net expenses	1,864,916
Net investment income	11,999,651
Realized and unrealized gain (loss)	
Net realized gain (loss) on	
Unaffiliated investments and foreign currency transactions	(1,593,002)
Affiliated investments	(7,211)
	(1,600,213)
Change in net unrealized appreciation (depreciation) of	
Unaffiliated investments and translation of assets and liabilities in foreign currencies	(1,030,127)
Affiliated investments	6,000
	(1,024,127)
Net realized and unrealized gain (loss)	(2,624,340)
Increase in net assets from operations	\$9,375,311

¹ During the year ended August 31, 2020, U.S High Yield Bond Fund received a reimbursement of legal fees. See Note 15 to the Financial statements. As a result of this reimbursement, the portfolio reflects negative professional fees in the current reporting period. Professional fees incurred by the fund for the year ended August 31, 2020 prior to these reimbursements were \$69,792.

John Hancock Funds II

Statements of changes in net assets

	Asia Pacific Total Return Bond Fund		Core Bond Fund		High Yield Fund	
	Year ended 8-31-20	Year ended 8-31-19	Year ended 8-31-20	Year ended 8-31-19	Year ended 8-31-20	Year ended 8-31-19
Increase (decrease) in net assets						
From operations						
Net investment income	\$9,526,270	\$12,615,853	\$49,991,767	\$58,157,740	\$12,152,111	\$18,833,797
Net realized gain (loss)	(2,118,125)	(5,799,107)	141,018,658	56,391,733	(5,557,140)	(3,955,082)
Change in net unrealized appreciation (depreciation)	4,518,034	14,826,404	(13,324,621)	119,059,741	(201,371)	(2,204,231)
Increase in net assets resulting from operations	11,926,179	21,643,150	177,685,804	233,609,214	6,393,600	12,674,484
Distributions to shareholders						
From earnings						
Class 1	—	—	(5,663,456)	(4,342,494)	(13,263,417)	(15,929,257)
Class NAV	(11,534,899)	(9,927,876)	(84,643,885)	(52,735,636)	—	(4,816,452) ¹
Total distributions	(11,534,899)	(9,927,876)	(90,307,341)	(57,078,130)	(13,263,417)	(20,745,709)
From fund share transactions						
From fund share transactions	(123,796,208)	(61,348,396)	(241,509,188)	981,800,705	(41,216,177)	(159,645,877)
Total increase (decrease)	(123,404,928)	(49,633,122)	(154,130,725)	1,158,331,789	(48,085,994)	(167,717,102)
Net assets						
Beginning of year	301,707,968	351,341,090	2,867,741,217	1,709,409,428	250,420,148	418,137,250
End of year	\$178,303,040	\$301,707,968	\$2,713,610,492	\$2,867,741,217	\$202,334,154	\$250,420,148

¹ Class NAV shares were fully redeemed on 3-28-19.

	Opportunistic Fixed Income Fund		U.S. High Yield Bond Fund	
	Year ended 8-31-20	Year ended 8-31-19	Year ended 8-31-20	Year ended 8-31-19
Increase (decrease) in net assets				
From operations				
Net investment income	\$733,960	\$3,243,762	\$11,999,651	\$13,484,264
Net realized gain (loss)	2,995,541	(140,160)	(1,600,213)	(2,068,507)
Change in net unrealized appreciation (depreciation)	(298,662)	1,017,544	(1,024,127)	2,038,468
Increase in net assets resulting from operations	3,430,839	4,121,146	9,375,311	13,454,225
Distributions to shareholders				
From earnings				
Class 1	(1,410,083)	(648,896)	(3,705,811)	(4,094,406)
Class NAV	—	(2,845,170) ²	(9,390,983)	(10,019,828)
Total distributions	(1,410,083)	(3,494,066)	(13,096,794)	(14,114,234)
From fund share transactions				
From fund share transactions	(8,155,522)	(230,201,605)	(11,103,932)	(23,515,780)
Total increase (decrease)	(6,134,766)	(229,574,525)	(14,825,415)	(24,175,789)
Net assets				
Beginning of year	47,294,404	276,868,929	247,408,125	271,583,914
End of year	\$41,159,638	\$47,294,404	\$232,582,710	\$247,408,125

² Class NAV shares were fully redeemed on 4-17-19.

John Hancock Funds II

Financial highlights

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less distributions				Net asset value, end of period (\$)	Total return (%) ²	Ratios to average net assets			Net assets, end of period (in millions)	Portfolio turnover (%)
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) ¹	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)		
Asia Pacific Total Return Bond Fund														
Class NAV														
08-31-2020	9.86	0.37	0.20	0.57	(0.38)	—	(0.38)	10.05	5.94	0.84	0.83	3.83	178	48
08-31-2019	9.49	0.38	0.29	0.67	(0.30)	—	(0.30)	9.86	7.31	0.83	0.82	3.97	302	60
08-31-2018	9.80	0.34	(0.44)	(0.10)	(0.21)	—	(0.21)	9.49	(1.05)	0.80	0.79	3.48	351	70
08-31-2017	9.64	0.32	(0.01)	0.31	(0.15)	—	(0.15)	9.80	3.30	0.80	0.79	3.32	382	53
08-31-2016	8.94	0.32	0.64	0.96	(0.26)	—	(0.26)	9.64	10.96	0.81	0.80	3.44	412	54

1. Based on average daily shares outstanding. 2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

Core Bond Fund

Class 1														
08-31-2020	13.50	0.23	0.66	0.89	(0.31)	(0.12)	(0.43)	13.96	6.76	0.66	0.65	1.73	207	347
08-31-2019	12.66	0.33	0.86	1.19	(0.35)	—	(0.35)	13.50	9.59	0.66	0.65	2.60	175	447
08-31-2018	13.15	0.27	(0.48)	(0.21)	(0.28)	—	(0.28)	12.66	(1.58)	0.67	0.66	2.08	161	277
08-31-2017	13.49	0.22	(0.17)	0.05	(0.24)	(0.15)	(0.39)	13.15	0.46	0.67	0.66	1.70	190	363
08-31-2016	13.01	0.21	0.51	0.72	(0.24)	—	(0.24)	13.49	5.59	0.67	0.66	1.59	220	471
Class NAV														
08-31-2020	13.47	0.24	0.66	0.90	(0.31)	(0.12)	(0.43)	13.94	6.90	0.61	0.60	1.81	2,507	347
08-31-2019	12.64	0.34	0.84	1.18	(0.35)	—	(0.35)	13.47	9.58	0.61	0.60	2.63	2,693	447
08-31-2018	13.13	0.27	(0.47)	(0.20)	(0.29)	—	(0.29)	12.64	(1.54)	0.62	0.61	2.14	1,548	277
08-31-2017	13.47	0.23	(0.17)	0.06	(0.25)	(0.15)	(0.40)	13.13	0.51	0.62	0.61	1.77	1,615	363
08-31-2016	12.99	0.22	0.50	0.72	(0.24)	—	(0.24)	13.47	5.65	0.62	0.61	1.64	1,226	471

1. Based on average daily shares outstanding. 2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

High Yield Fund

Class 1														
08-31-2020	8.04	0.43	(0.14)	0.29	(0.47)	—	(0.47)	7.86	4.01	0.85	0.84	5.54	202	81
08-31-2019	8.17	0.46	(0.10)	0.36	(0.49)	—	(0.49)	8.04	4.32	0.82	0.81	5.77	250	51
08-31-2018	8.30	0.47	(0.12)	0.35	(0.48)	—	(0.48)	8.17	4.81	0.79	0.79	5.69	282	60
08-31-2017	8.17	0.49	0.17	0.66	(0.53)	—	(0.53)	8.30	8.31	0.79	0.78	5.89	339	56
08-31-2016	8.33	0.55	(0.14)	0.41	(0.57)	—	(0.57)	8.17	5.60	0.79	0.78	7.10	343	58

1. Based on average daily shares outstanding. 2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

Opportunistic Fixed Income Fund

Class 1														
08-31-2020	13.27	0.23	0.94	1.17	(0.46)	—	(0.46)	13.98	9.15	1.66 ³	0.96 ³	1.77	41	224 ⁴
08-31-2019	12.72	0.24	0.48	0.72	(0.17)	—	(0.17)	13.27	5.75	1.20 ³	1.16 ³	2.05	47	53
08-31-2018	12.84	0.26	(0.38)	(0.12)	—	—	—	12.72	(0.93)	0.86	0.85	2.04	51	31
08-31-2017	13.09	0.18	(0.08)	0.10	(0.31)	(0.04)	(0.35)	12.84	1.05	0.83	0.82	1.48	59	56
08-31-2016	11.87	0.19	1.03	1.22	— ⁵	—	— ⁵	13.09	10.30	0.82	0.81	1.55	66	71

1. Based on average daily shares outstanding. 2. Total returns would have been lower had certain expenses not been reduced during the applicable periods. 3. Includes interest expense of 0.09% and 0.26% for the year ended August 31, 2020 and the year ended August 31, 2019, respectively. 4. Increase in portfolio turnover rate resulted from repositioning of the portfolio during the period in accordance with investment policy changes approved by the Board of Trustees. 5. Less than \$0.005 per share.

U.S. High Yield Bond Fund

Class 1														
08-31-2020	11.20	0.55	(0.07)	0.48	(0.60)	—	(0.60)	11.08	4.67	0.83 ³	0.83 ³	5.05	62	82
08-31-2019	11.21	0.58	0.02	0.60	(0.61)	—	(0.61)	11.20	5.58	0.87	0.86	5.25	73	41
08-31-2018	11.41	0.58	(0.19)	0.39	(0.59)	—	(0.59)	11.21	3.52	0.86	0.86	5.14	75	51
08-31-2017	11.15	0.61	0.31	0.92	(0.66)	—	(0.66)	11.41	8.53	0.88	0.87	5.42	84	68
08-31-2016	11.20	0.64	0.02	0.66	(0.71)	—	(0.71)	11.15	6.50	0.85	0.84	6.01	80	59
Class NAV														
08-31-2020	11.18	0.55	(0.06)	0.49	(0.61)	—	(0.61)	11.06	4.73	0.78 ³	0.78 ³	5.09	171	82
08-31-2019	11.20	0.58	0.01	0.59	(0.61)	—	(0.61)	11.18	5.55	0.82	0.81	5.30	174	41
08-31-2018	11.40	0.59	(0.19)	0.40	(0.60)	—	(0.60)	11.20	3.58	0.81	0.81	5.20	196	51
08-31-2017	11.14	0.62	0.30	0.92	(0.66)	—	(0.66)	11.40	8.59	0.83	0.82	5.52	212	68
08-31-2016	11.19	0.64	0.03	0.67	(0.72)	—	(0.72)	11.14	6.56	0.80	0.80	6.03	281	59

1. Based on average daily shares outstanding. 2. Total returns would have been lower had certain expenses not been reduced during the applicable periods. 3. Includes reimbursement of legal fees of 0.05%. See Note 15 to the Financial statements.

John Hancock Funds II

Notes to financial statements

1. Organization

John Hancock Funds II (the Trust) is an open-end management investment company organized as a Massachusetts business trust. The Trust is registered under the Investment Company Act of 1940, as amended (the 1940 Act). It is a series company with multiple investment series, five of which are presented in this report (the funds).

The funds may offer multiple classes of shares. The shares currently offered by a specific fund are detailed in the Statements of assets and liabilities. Class 1 shares are offered only to certain affiliates of Manulife Financial Corporation. Class NAV shares are offered to John Hancock affiliated funds of funds, retirement plans for employees of John Hancock and/or Manulife Financial Corporation, and certain 529 plans. Shareholders of each class have exclusive voting rights to matters that affect that class. The distribution and service fees, if any, and transfer agent fees for each class may differ.

Prior to February 28, 2020, Opportunistic Fixed Income Fund was known as Global Bond Fund.

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 funds qualify as investment companies 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 funds:

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 funds' Valuation Policies and Procedures.

In order to value the securities, the funds use the following valuation techniques: Debt obligations typically are valued based on evaluated prices provided by an independent pricing vendor. 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. Equity securities, including exchange-traded or closed-end funds, are typically valued at the last sale price or official closing price on the exchange or principal market where the security trades. 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. Investments in open-end mutual funds, including John Hancock Collateral Trust (JHCT), are valued at their respective NAVs each business day. Exchange-traded options are valued at the mid-price of the last quoted bid and ask prices from the exchange where the option trades. Unlisted options are generally valued using evaluated prices obtained from an independent pricing vendor. Futures contracts are typically valued at the last traded price on the exchange on which they trade. Swaps are valued using evaluated prices obtained from an independent pricing vendor. Forward foreign currency contracts are valued at the prevailing forward rates which are based on foreign currency exchange spot rates and forward points supplied by an independent pricing vendor. Foreign securities and currencies are valued in U.S. dollars based on foreign currency exchange rates supplied by an independent pricing vendor.

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 funds' 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. Trading in foreign securities may be completed before the scheduled daily close of trading on the NYSE. Significant events at the issuer or market level may affect the values of securities between the time when the valuation of the securities is generally determined and the close of the NYSE. If a significant event occurs, these securities may be fair valued, as determined in good faith by the funds' Pricing Committee, following procedures established by the Board of Trustees. The funds use fair value adjustment factors provided by an independent pricing vendor to value certain foreign securities in order to adjust for events that may occur between the close of foreign exchanges or markets and the close of the NYSE.

The funds use 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, including registered investment companies. 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 funds' 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.

Significant accounting policies, continued

The following is a summary of the values by input classification of the funds' investments as of August 31, 2020, by major security category or type:

	Total value at 8-31-20	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
Asia Pacific Total Return Bond Fund				
Investments in securities:				
Assets				
Foreign government obligations	\$77,171,327	—	\$77,171,327	—
Corporate bonds	95,052,721	—	95,052,721	—
Short-term investments	1,256,006	\$1,256,006	—	—
Total investments in securities	\$173,480,054	\$1,256,006	\$172,224,048	—
Derivatives:				
Liabilities				
Futures	\$(87,565)	\$(87,565)	—	—
Core Bond Fund				
Investments in securities:				
Assets				
U.S. Government and Agency obligations	\$1,461,547,930	—	\$1,461,547,930	—
Foreign government obligations	36,108,358	—	36,108,358	—
Corporate bonds	889,696,632	—	889,696,632	—
Municipal bonds	11,703,073	—	11,703,073	—
Collateralized mortgage obligations	219,681,353	—	219,681,353	—
Asset backed securities	258,126,057	—	258,126,057	—
Short-term investments	217,020,553	\$217,020,553	—	—
Total investments in securities	\$3,093,883,956	\$217,020,553	\$2,876,863,403	—
High Yield Fund				
Investments in securities:				
Assets				
Foreign government obligations	\$1,888,948	—	\$1,888,948	—
Corporate bonds	171,708,294	—	171,708,294	—
Convertible bonds	2,353,926	—	2,353,926	—
Term loans	12,983,651	—	12,983,651	—
Asset backed securities	8,541,337	—	8,541,337	—
Common stocks	1,366,360	\$1,216,414	—	\$149,946
Preferred securities	1,466,226	1,466,226	—	—
Short-term investments	272,666	272,666	—	—
Total investments in securities	\$200,581,408	\$2,955,306	\$197,476,156	\$149,946
Derivatives:				
Assets				
Futures	\$29,120	\$29,120	—	—
Forward foreign currency contracts	78,960	—	\$78,960	—
Swap contracts	50,156	—	50,156	—
Liabilities				
Forward foreign currency contracts	(201,349)	—	(201,349)	—
Opportunistic Fixed Income Fund				
Investments in securities:				
Assets				
U.S. Government and Agency obligations	\$3,409,050	—	\$3,409,050	—
Foreign government obligations	19,439,879	—	19,439,879	—
Corporate bonds	2,751,223	—	2,751,223	—
Convertible bonds	190,451	—	190,451	—
Municipal bonds	1,114,654	—	1,114,654	—
Term loans	3,383,445	—	3,383,445	—
Collateralized mortgage obligations	3,892,187	—	3,892,187	—

Significant accounting policies, continued

	Total value at 8-31-20	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
Opportunistic Fixed Income Fund (continued)				
Asset backed securities	\$1,979,255	—	\$1,979,255	—
Preferred securities	8,549	\$8,549	—	—
Exchange-traded funds	2,410,980	2,410,980	—	—
Short-term investments	4,211,449	3,961,453	249,996	—
Total investments in securities	\$42,791,122	\$6,380,982	\$36,410,140	—
Derivatives:				
Assets				
Futures	\$1,949	\$1,949	—	—
Forward foreign currency contracts	96,528	—	\$96,528	—
Swap contracts	535,627	—	535,627	—
Liabilities				
Futures	(27,285)	(27,285)	—	—
Forward foreign currency contracts	(203,775)	—	(203,775)	—
Swap contracts	(284,317)	—	(284,317)	—
U.S. High Yield Bond Fund				
Investments in securities:				
Assets				
Corporate bonds	\$220,210,610	—	\$220,210,610	—
Convertible bonds	958,763	—	958,763	—
Term loans	6,824,471	—	6,824,471	—
Rights	225,776	—	225,776	—
Escrow certificates	19,800	—	—	\$19,800
Short-term investments	9,993,121	\$9,993,121	—	—
Total investments in securities	\$238,232,541	\$9,993,121	\$228,219,620	\$19,800

Repurchase agreements. The funds may enter into repurchase agreements. When the funds enter into a repurchase agreement, they receive collateral that is held in a segregated account by the funds' custodian, or for tri-party repurchase agreements, collateral is held at a third-party custodian bank in a segregated account for the benefit of the funds. 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 Portfolio of 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 Statements 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 claims resulting from close-out of the transactions.

In a reverse repurchase agreement, the funds deliver a security, as collateral, in exchange for cash to a financial institution, the counterparty, with a simultaneous agreement to repurchase the same or substantially the same security at an agreed upon price and date. The funds are entitled to receive principal and interest payments, if any, made on the security delivered to the counterparty during the term of the agreement. There were no open reverse repurchase agreement contracts at August 31, 2020.

The average borrowings by the fund and the weighted average interest rate for the period the fund entered into reverse repurchase agreements were as follows:

Fund	Average Borrowings	Weighted average annual interest rate
Opportunistic Fixed Income Fund	\$5,789,110	(0.47%)

When-issued/delayed-delivery securities. The funds may purchase or sell debt securities on a when-issued or delayed-delivery basis, or in a "To Be Announced" (TBA) or "forward commitment" transaction, with delivery or payment to occur at a later date beyond the normal settlement period. TBA securities resulting from these transactions are included in the portfolio or in a schedule to the portfolio (Sale Commitments Outstanding). At the time a fund enters into a commitment to purchase or sell a security, the transaction is recorded and the value of the security is reflected in its NAV. The price of such security and the date that the security will be delivered and paid for are fixed at the time the transaction is negotiated. The value of the security may vary with market fluctuations. No interest accrues until settlement takes place. At the time that the fund enters into this type of transaction, the fund is required to have sufficient cash and/or liquid securities to cover its commitments.

Certain risks may arise upon entering into when-issued or delayed-delivery securities transactions, including the potential inability of counterparties to meet the terms of their contracts, and the issuer's failure to issue the securities due to political, economic or other factors. Additionally, losses may arise due to declines in the value of the securities purchased or increase in the value of securities sold prior to settlement date.

Significant accounting policies, continued

As a result, the funds have received the following amount of cash collateral from certain counterparties to these transactions which is recorded as a Payable for collateral on sale commitments:

Fund	Counterparty	Collateral Paid/ (Received)
Core Bond Fund	Morgan Stanley & Co. LLC.	\$(1,400,000)
	Citigroup, Inc.	(1,380,000)
	JP Morgan	(260,000)
	Goldman Sachs	(70,000)
	Total	\$(3,110,000)

Securities sold short. The funds may make short sales of securities or maintain a short position, provided that at all times when a short position is open a fund owns an equal amount of such securities or securities convertible into or exchangeable, without payment of any further consideration, for an equal amount of the securities of the same issuer as the securities sold short (a short sale “against-the-box”).

In addition, the funds may also sell a security they do not own in anticipation of a decline in the market value of that security (a short sale “not against-the-box”). To complete such a transaction, a fund must borrow the security to make delivery to the buyer. The fund is then obligated to replace the security borrowed by purchasing it at market price at the time of replacement. The price at such time may be more or less than the price at which the security was sold by the fund. Until the security is replaced, the fund is required to pay the lender any dividends or interest that accrues during the period of the loan. To borrow the security, the fund also may be required to pay a premium, which would increase the cost of the security sold. The proceeds of the short sale will be retained by the broker, to the extent necessary to meet margin requirements, until the short position is closed out.

Until a fund replaces a borrowed security, it will maintain cash or other liquid assets at such a level that will equal the current value of the security sold short; and will not be less than the market value of the security at the time it was sold short. A fund will incur a loss as a result of the short sale if the price of the security increases between the date of the short sale and the date on which the fund replaced the borrowed security. The fund will realize a gain if the security declines in price between those dates. The amount of any gain will be decreased, and the amount of any loss increased, by the amount of any premium, dividends or interest the fund may be required to pay in connection with a short sale.

Interest or short dividend expense relates to a funds’ liability with respect to short sale transactions by the funds. Interest or short dividend expense is recorded as incurred.

Sale-Buybacks. Certain funds may enter into financing transactions referred to as sale-buybacks, which are governed by the terms of the MRA. A sale-buyback transaction consists of a sale of a security by a portfolio to counterparty, with a simultaneous agreement to repurchase the same or substantially the same security at an agreed-upon price and date. The fund is not entitled to receive principal and interest payments, if any, made on the security sold to the counterparty during the term of the agreement. The agreed-upon repurchase value of the securities to be repurchased by the fund are reflected as a liability on the Statements of Assets and Liabilities. The fund will recognize income represented by the price differential between the price received for the transferred security and the agreed-upon repurchase price. This is commonly referred to as the price drop. A price drop consists of the foregone interest and inflationary income adjustments, if any, the fund would have otherwise received had the security not been sold along with negotiated financing terms. Foregone interest and inflationary income adjustments, if any, are recorded as components of interest income on the Statements of Operations. Interest payments based upon negotiated financing terms made by the fund to counterparties are recorded as a component of interest expense on the Statements of Operations. In periods of increased demand for the security, the fund may receive a fee for use of the security by the counterparty, which may result in income to the fund. The average borrowings by the fund and the weighted average interest rate for the period the fund entered into sale-buybacks were as follows:

Fund	Average Borrowing	Weighted average interest rate
Opportunistic Fixed Income Fund	\$233,232	(1.89%)

Term loans (Floating rate loans). The funds may invest in term loans, which are debt securities and are often rated below investment grade at the time of purchase. Term loans are generally subject to legal or contractual restrictions on resale and generally have longer settlement periods than conventional debt securities. Term loans involve special types of risk, including credit risk, interest-rate risk, counterparty risk, and risk associated with extended settlement. The liquidity of term loans, including the volume and frequency of secondary market trading in such loans, varies significantly over time and among individual loans. During periods of infrequent trading, valuing a term loan can be more difficult and buying and selling a term loan at an acceptable price can be more difficult and delayed, which could result in a loss.

The funds’ ability to receive payments of principal, interest and other amounts in connection with term loans will depend primarily on the financial condition of the borrower. The funds’ failure to receive scheduled payments on a term loan due to a default, bankruptcy or other reason would adversely affect the funds’ income and would likely reduce the value of its assets. Transactions in loan investments typically take a significant amount of time (i.e., seven days or longer) to settle. This could pose a liquidity risk to the funds and, if the funds’ exposure to such investments is substantial, it could impair the funds’ ability to meet redemptions. Because term loans may not be rated by independent credit rating agencies, a decision to invest in a particular loan could depend exclusively on the subadvisor’s credit analysis of the borrower and/or term loan agents. There is greater risk that the funds may have limited rights to enforce the terms of an underlying loan than for other types of debt instruments.

At August 31, 2020, High Yield Fund had \$111,308 in unfunded loan commitments outstanding.

Inflation-indexed bonds. Inflation-indexed bonds are securities that generally have a lower coupon interest rate fixed at issuance but whose principal value is periodically adjusted based on a rate of inflation, such as the Consumer Price Index. Over the life of an inflation-indexed bond, interest is paid on the inflation adjusted principal value as described above. Increases in the principal amount of these securities are recorded as interest income. Decreases in the principal amount of these securities may reduce interest income to the extent of income previously recorded. If these decreases are in excess of income previously recorded, an adjustment to the cost of the security is made.

Mortgage and asset backed securities. The funds may invest in mortgage-related securities, such as mortgage-backed securities, and other asset-backed securities, which are debt obligations that represent interests in pools of mortgages or other income-bearing assets, such as consumer loans or receivables. Such securities often involve risks that are different from the risks associated with investing in other types of debt securities. Mortgage-backed and other asset-backed securities are subject to changes in the payment patterns of borrowers of the underlying debt. When interest rates fall, borrowers are more

Significant accounting policies, continued

likely to refinance or prepay their debt before its stated maturity. This may result in the funds having to reinvest the proceeds in lower yielding securities, effectively reducing the funds' income. Conversely, if interest rates rise and borrowers repay their debt more slowly than expected, the time in which the mortgage-backed and other asset-backed securities are paid off could be extended, reducing the funds' cash available for reinvestment in higher yielding securities. The timely payment of principal and interest of certain mortgage-related securities is guaranteed with the full faith and credit of the U.S. Government. Pools created and guaranteed by non-governmental issuers, including government-sponsored corporations (e.g. FNMA), may be supported by various forms of insurance or guarantees, but there can be no assurance that private insurers or guarantors can meet their obligations under the insurance policies or guarantee arrangements. The funds are also subject to risks associated with securities with contractual cash flows including asset-backed and mortgage related securities such as collateralized mortgage obligations, mortgage pass-through securities and commercial mortgage-backed securities. The value, liquidity and related income of these securities are sensitive to changes in economic conditions, including real estate value, pre-payments, delinquencies and/or defaults, and may be adversely affected by shifts in the market's perception of the issuers and changes in interest rates.

Payment-in-kind bonds. The funds may invest in payment-in-kind bonds (PIK Bonds). PIK Bonds allow the issuer, at its option, to make current interest payments on the bonds either in cash or in additional bonds. The market prices of PIK Bonds are affected to a greater extent by interest rate changes and thereby tend to be more volatile than securities which pay cash interest periodically. Income on these securities is computed at the contractual rate specified and is added to the principal balance of the bond. This income is required to be distributed to shareholders. Because no cash is received at the time income accrues on these securities, the funds may need to sell other investments to make distributions.

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 certain 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. Non-cash dividends, if any, are recorded at the fair market value of the securities received. Gains and losses on securities sold are determined on the basis of identified cost and may include proceeds from litigation.

Securities lending. The funds may lend their securities to earn additional income. The funds receive collateral from the borrower in an amount not less than the market value of the loaned securities. The funds will invest their cash collateral in John Hancock Collateral Trust (JHCT), an affiliate of the funds, which has a floating NAV and is registered with the Securities and Exchange Commission (SEC) as an investment company. JHCT invests in short-term money market investments. Each fund will receive the benefit of any gains and bear any losses generated by JHCT with respect to the cash collateral.

The funds have the right to recall loaned securities on demand. If a borrower fails to return loaned securities when due, then the lending agent is responsible and indemnifies the funds for the lent securities. The lending agent uses the collateral received from the borrower to purchase replacement securities of the same issue, type, class and series of the loaned securities. If the value of the collateral is less than the purchase cost of replacement securities, the lending agent is responsible for satisfying the shortfall but only to the extent that the shortfall is not due to any decrease in the value of JHCT.

Although the risk of loss on securities lent is mitigated by receiving collateral from the borrower and through lending agent indemnification, the funds could experience a delay in recovering securities or could experience a lower than expected return if the borrower fails to return the securities on a timely basis. The funds receive compensation for lending their securities by retaining a portion of the return on the investment of the collateral and compensation from fees earned from borrowers of the securities. Securities lending income received by the funds is net of fees retained by the securities lending agent. Net income received from JHCT is a component of securities lending income as recorded on the Statements of operations.

Obligations to repay collateral received by the funds are shown on the Statements of assets and liabilities as Payable upon return of securities loaned and are secured by the loaned securities. The following table summarizes the values of securities loaned by the funds and the corresponding cash collateral received at August 31, 2020:

Fund	Market value of securities on loan	Cash collateral received
High Yield Fund	\$266,369	\$272,697
U.S. High Yield Bond Fund	9,241,230	9,444,760

Foreign investing. Assets, including investments, and liabilities denominated in foreign currencies are translated into U.S. dollar values each day at the prevailing exchange rate. Purchases and sales of securities, income and expenses are translated into U.S. dollars at the prevailing exchange rate on the date of the transaction. The effect of changes in foreign currency exchange rates on the value of securities is reflected as a component of the realized and unrealized gains (losses) on investments. Foreign investments are subject to a decline in the value of a foreign currency versus the U.S. dollar, which reduces the dollar value of securities denominated in that currency.

Funds that invest internationally generally carry more risk than funds that invest strictly in U.S. securities. These risks are heightened for investments in emerging markets. Risks can result from differences in economic and political conditions, regulations, market practices (including higher transaction costs), accounting standards and other factors.

Foreign taxes. The funds may be subject to withholding tax on income, capital gains or repatriation taxes imposed by certain countries, a portion of which may be recoverable. Foreign taxes are accrued based upon the funds' understanding of the tax rules and rates that exist in the foreign markets in which it invests. Taxes are accrued based on gains realized by the funds as a result of certain foreign security sales. In certain circumstances, estimated taxes are accrued based on unrealized appreciation of such securities. Investment income is recorded net of foreign withholding taxes.

Overdraft. The funds may have the ability to borrow from banks for temporary or emergency purposes, including meeting redemption requests that otherwise might require the untimely sale of securities. Pursuant to the funds' custodian agreement, the custodian may loan money to the funds to make properly authorized payments. The funds are obligated to repay the custodian for any overdraft, including any related costs or expenses. The custodian may have a lien, security interest or security entitlement in any fund property that is not otherwise segregated or pledged, to the extent of any overdraft, and to the maximum extent permitted by law. Overdrafts at period end, if any, are presented under the caption Due to custodian in the Statements of assets and liabilities.

Significant accounting policies, continued

Line of credit. Effective June 25, 2020, the funds and other affiliated funds, excluding Core Bond Fund and U.S. High Yield Bond Fund, have entered into a syndicated line of credit agreement with Citibank, N.A. as the administrative agent that enables them to participate in a \$1 billion unsecured committed line of credit. Excluding commitments designated for a certain fund and subject to the needs of all other affiliated funds, a fund can borrow up to an aggregate commitment amount of \$850 million, subject to asset coverage and other limitations as specified in the agreement. Each participating fund paid an upfront fee in connection with this line of credit agreement, which is charged based on a combination of fixed and asset based allocations and amortized over 365 days. Prior to June 25, 2020, the funds and other affiliated funds had a similar agreement that enabled them to participate in a \$750 million unsecured committed line of credit.

Core Bond Fund, U.S. High Yield Bond Fund, and other affiliated funds have entered into a separate unsecured \$50 million line of credit agreement with BNP Paribas. Subject to the needs of other affiliated funds, Core Bond Fund and U.S. High Yield Bond Fund can borrow up to the \$50 million, subject to asset coverage and other limitations as specified in the agreement.

A commitment fee payable at the end of each calendar quarter, based on the average daily unused portion of each line of credit, is charged to each participating fund based on a combination of fixed and asset based allocations and is reflected in Other expenses on the Statements of operations. For the year ended August 31, 2020, the funds had no borrowings under the line of credit.

Commitment fees for the year ended August 31, 2020 were as follows:

Fund	Commitment fee
Asia Pacific Total Return Bond Fund	\$3,298
Core Bond Fund	22,015
High Yield Fund	3,198
Opportunistic Fixed Income Fund	2,697
U.S. High Yield Bond Fund	6,885

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.

Class allocations. Income, common expenses and realized and unrealized gains (losses) are determined at the fund level and allocated daily to each class of shares based on the net assets of the class. Class-specific expenses, such as distribution and service fees, if any, and transfer agent fees, for all classes, are charged daily at the class level based on the net assets of each class and the specific expense rates applicable to each class.

Change in accounting principle. Accounting Standards Update (ASU) 2017-08, *Premium Amortization on Purchased Callable Debt Securities*, shortens the premium amortization period for purchased non contingently callable debt securities and is effective for public companies with fiscal years beginning after December 15, 2018. Adoption of the ASU did not have a material impact to the funds.

Federal income taxes. Each 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.

For federal income tax purposes, as of August 31, 2020, certain funds have capital loss carryforwards available to offset future net realized capital gains. The following table details the capital loss carryforwards available as of August 31, 2020:

Fund	No Expiration Date	
	Short Term	Long Term
Asia Pacific Total Return Bond Fund	\$ —	\$ 8,985,158
High Yield Fund	3,129,351	83,696,916
Opportunistic Fixed Income Fund	298,646	5,489,575
U.S. High Yield Bond Fund	—	21,369,339

As of August 31, 2020, the funds had no uncertain tax positions that would require financial statement recognition, derecognition or disclosure. The funds' federal tax returns are subject to examination by the Internal Revenue Service for a period of three years.

For federal income tax purposes, the costs of investments owned on August 31, 2020, including short-term investments, were as follows:

Fund	Aggregate cost	Unrealized appreciation	Unrealized (depreciation)	Net unrealized appreciation/(depreciation)
Asia Pacific Total Return Bond Fund	\$172,830,730	\$5,683,536	\$(5,121,777)	\$561,759
Core Bond Fund	3,010,112,104	90,515,191	(6,743,339)	83,771,852
High Yield Fund	225,436,788	11,860,458	(36,758,951)	(24,898,493)
Opportunistic Fixed Income Fund	42,436,192	1,408,285	(934,628)	473,657
U.S. High Yield Bond Fund	238,159,689	12,347,904	(12,275,052)	72,852

Distribution of income and gains. Distributions to shareholders from net investment income and net realized gains, if any, are recorded on the ex-date. Core Bond Fund, High Yield Fund and U.S. High Yield Bond Fund generally declare and pay dividends from net investment income quarterly. All other funds generally declare and pay dividends from net investment income annually. All funds generally declare and pay capital gain distributions, if any, annually.

The tax character of distributions for the year ended August 31, 2020 was as follows:

Significant accounting policies, continued

Fund	Ordinary Income	Long Term Capital Gains	Total
Asia Pacific Total Return Bond Fund	\$11,534,899	—	\$11,534,899
Core Bond Fund	86,689,645	\$3,617,696	90,307,341
High Yield Fund	13,263,417	—	13,263,417
Opportunistic Fixed Income Fund	1,410,083	—	1,410,083
U.S. High Yield Bond Fund	13,096,794	—	13,096,794

The tax character of distributions for the year ended August 31, 2019 was as follows:

Fund	Ordinary Income
Asia Pacific Total Return Bond Fund	\$9,927,876
Core Bond Fund	57,078,130
High Yield Fund	20,745,709
Opportunistic Fixed Income Fund	3,494,066
U.S. High Yield Bond Fund	14,114,234

Distributions paid by the funds with respect to each class of shares are calculated in the same manner, at the same time and in the same amount, except for the effect of class level expenses that may be applied differently to each class. As of August 31, 2020, the components of distributable earnings on a tax basis were as follows:

Fund	Undistributed Ordinary Income	Undistributed Long Term Capital Gains
Asia Pacific Total Return Bond Fund	\$13,739	—
Core Bond Fund	112,620,802	\$9,880,485
High Yield Fund	2,284,035	—
Opportunistic Fixed Income Fund	1,509,369	—
U.S. High Yield Bond Fund	2,295,325	—

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 funds' 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 foreign currency transactions, wash sale loss deferrals, derivative transactions, amortization and accretion on debt securities and foreign capital gain tax.

3. Derivative instruments

The funds may invest in derivatives in order to meet their investment objective. 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 funds are 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.

Derivatives which are typically traded through the OTC market are regulated by the Commodity Futures Trading Commission (the CFTC). Derivative counterparty risk is managed through an ongoing evaluation of the creditworthiness of all potential counterparties and, if applicable, designated clearing organizations. The funds attempt to reduce their 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 their 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 funds 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 funds, if any, are held in a segregated account by a third-party agent or held by the custodian bank for the benefit of the funds and can be in the form of cash or debt securities issued by the U.S. government or related agencies; collateral posted by the funds, if any, for OTC transactions is held in a segregated account at the funds' custodian and is noted in the accompanying portfolio of investments, or if cash is posted, on the Statements of assets and liabilities. The funds' risk of loss due to counterparty risk is equal to the asset value of outstanding contracts offset by collateral received.

Certain derivatives are traded or cleared on an exchange or central clearinghouse. Exchange-traded or centrally-cleared transactions generally present less counterparty risk to a fund than OTC transactions. The exchange or clearinghouse stands between the funds and the broker to the contract and therefore, credit risk is generally limited to the failure of the exchange or clearinghouse and the clearing member.

Centrally-cleared swap contracts are subject to clearinghouse rules, including initial and variation margin requirements, daily settlement of obligations and the clearinghouse guarantee of payments to the broker. There is, however, still counterparty risk due to the potential insolvency of the broker with respect to any margin held in the brokers' customer accounts. While clearing members are required to segregate customer assets from their own assets, in the event of insolvency, there may be a shortfall in the amount of margin held by the broker for its clients. Collateral or margin requirements for centrally-cleared

Derivative instruments, continued

derivatives are set by the broker or applicable clearinghouse. Margin for centrally-cleared transactions is detailed in the Statements of assets and liabilities as Receivable/Payable for centrally-cleared swaps. Securities pledged by the funds for centrally-cleared transactions, if any, are identified in the Portfolio of investments.

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. Futures are traded on an exchange and cleared through a central clearinghouse. Risks related to the use of futures contracts include possible illiquidity of the futures markets and 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 Statements of assets and liabilities. Use of long futures contracts subjects the funds to the risk of loss up to the notional value of the futures contracts. Use of short futures contracts subjects the funds 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 set by the broker and is generally based on a percentage of the contract value. The margin deposit must then be maintained at the established level over the life of the contract. Cash that has been pledged by a fund is detailed in the Statements of assets and liabilities as Collateral held at broker for futures contracts. Securities pledged by the funds, if any, are identified in the Portfolio of investments. Subsequent payments, referred to as variation margin, are made or received by a fund periodically and are based on changes in the market value of open futures contracts. Futures contracts are marked-to-market daily and unrealized gain or loss is recorded by the fund. Receivable/Payable for futures variation margin is included in the Statements of assets and liabilities. When the contract is closed, a 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.

The following table details how the funds used futures contracts during the year ended August 31, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
Asia Pacific Total Return Bond Fund	To manage against anticipated interest rate changes and manage duration.	\$25.0 million to \$45.9 million
High Yield Fund	To manage duration of the portfolio.	\$23.6 million to \$33.6 million
Opportunistic Fixed Income Fund	To manage against changes in interest rates, gain exposure to certain bond markets and manage duration of the fund.	Up to \$28.5 million

Forward foreign currency contracts. A forward foreign currency contract is an agreement between two parties to buy and sell specific currencies at a price that is set on the date of the contract. The forward contract calls for delivery of the currencies on a future date that is specified in the contract. Forwards are typically traded OTC. Risks related to the use of forwards include the possible failure of counterparties to meet the terms of the forward agreement, the failure of the counterparties to timely post collateral if applicable, and the risk that currency movements will not favor the funds thereby reducing the funds' total return, and the potential for losses in excess of the amounts recognized on the Statements of assets and liabilities.

The market value of a forward foreign currency contract fluctuates with changes in foreign currency exchange rates. Forward foreign currency contracts are marked-to-market daily and the change in value is recorded by the fund as an unrealized gain or loss. Realized gains or losses, 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, are recorded upon delivery or receipt of the currency or settlement with the counterparty.

The following table details how the funds used forward foreign currency contracts during the year ended August 31, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
High Yield Fund	To manage against changes in foreign currency exchange rates and to gain exposure to foreign currencies.	\$2.5 million to \$7.3 million
Opportunistic Fixed Income Fund	To manage against changes in foreign currency exchange rates and to gain exposure to foreign currencies.	Up to \$63.5 million

Options. There are two types of options, put options and call options. Options are traded either OTC or on an exchange. A call option gives the purchaser of the option the right to buy (and the seller the obligation to sell) the underlying instrument at the exercise price. A put option gives the purchaser of the option the right to sell (and the writer the obligation to buy) the underlying instrument at the exercise price. Writing puts and buying calls may increase the funds' exposure to changes in the value of the underlying instrument. Buying puts and writing calls may decrease the funds' exposure to such changes. Risks related to the use of options include the loss of premiums, possible illiquidity of the options markets, trading restrictions imposed by an exchange and movements in underlying security values, and for written options, potential losses in excess of the amounts recognized on the Statements of assets and liabilities. In addition, OTC options are subject to the risks of all OTC derivatives contracts.

When a fund purchases an option, the premium paid is included in the Portfolio of investments and subsequently "marked-to-market" to reflect current market value. If the purchased option expires, a fund realizes a loss equal to the cost of the option. If a fund exercises a call option, the cost of the securities acquired by exercising the call is increased by the premium paid to buy the call. If a fund exercises a put option, it realizes a gain or loss from the sale of the underlying security and the proceeds from such sale are decreased by the premium paid. If a fund enters into a closing sale transaction, it realizes a gain or loss, depending on whether proceeds from the closing sale are greater or less than the original cost. When a fund writes an option, the premium received is included as a liability and subsequently "marked-to-market" to reflect the current market value of the option written. Premiums received from writing options that expire unexercised are recorded as realized gains. Premiums received from writing options which are exercised or are closed are added to or offset against the proceeds or amount paid on the transaction to determine the realized gain or loss. If a put option on a security is exercised, the premium received reduces the cost basis of the securities purchased by a fund.

The following table details how the funds used purchased options contracts during the year ended August 31, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	Market value range
High Yield Fund	To manage against anticipated changes in currency exchange rates and to gain exposure to foreign currencies. At August 31, 2020, there were no open written options contracts.	Up to \$31,000

Derivative instruments, continued

Fund	Reason	Market value range
Opportunistic Fixed Income Fund	To gain exposure to the bond market and foreign currency, manage against anticipated currency exchange rates and interest rate changes and manage duration of the fund. At August 31, 2020, there were no open purchased options contracts.	Up to \$51,000

The following table details how the funds used written options contracts during the year ended August 31, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	Market value range
High Yield Fund	To gain exposure to certain securities markets, to manage against changes in certain securities markets and to generate potential income from options premiums. At August 31, 2020, there were no open written options contracts.	Up to \$119,000
Opportunistic Fixed Income Fund	To gain exposure to the bond market and foreign currency, manage against anticipated currency exchange rates and interest rate changes and manage duration of the fund. At August 31, 2020, there were no open written options contracts.	Up to \$67,000

Swaps. Swap agreements are agreements between the fund and a counterparty to exchange cash flows, assets, foreign currencies or market-linked returns at specified intervals. Swap agreements are privately negotiated in the OTC market (OTC swaps) 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 a component of unrealized appreciation/depreciation of swap contracts. The value of the swap will typically impose collateral posting obligations on the party that is considered out-of-the-money on the swap.

Upfront payments made/received by the funds, if any, are amortized/accreted for financial reporting purposes, with the unamortized/unaccreted portion included in the Statement of assets and liabilities. A termination payment by the counterparty or the funds is recorded as realized gain or loss, as well as the net periodic payments received or paid by the funds.

Entering into swap agreements involves, to varying degrees, elements of credit, market and documentation risk that may provide 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 funds may also suffer losses if it is unable to terminate or assign outstanding swaps or reduce its exposure through offsetting transactions.

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 funds settles accrued net interest receivable or payable under the swap contracts at specified, future intervals.

The following table details how the funds used interest rate swaps contracts during the year ended August 31, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
Opportunistic Fixed Income Fund	To manage against changes in interest rates and to manage duration of the fund.	Up to \$138.1 million

Credit default swaps. Credit default swaps (CDS) involve the exchange of a fixed rate premium (paid by the Buyer), for protection against the loss in value of an underlying debt instrument, referenced entity or index, in the event of a defined credit event (such as payment default or bankruptcy). Under the terms of the swap, one party acts as a “guarantor” (the Seller), receiving the premium and agreeing to contingent payments that are specified within the credit default agreement. The funds may enter into CDS in which it may act as either Buyer or Seller. By acting as the Seller, the funds may incur economic leverage since it would be obligated to pay the Buyer the notional amount of the contract in the event of a default. The amount of loss in such case could be significant, but would typically be reduced by any recovery value on the underlying credit.

Credit default swaps — Buyer

The following table details how the funds used credit default swap contracts as a buyer during the year ended August 31, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
High Yield Fund	To manage against potential credit events. At August 31, 2020, there were no open credit default swap buy contacts.	Up to \$744,000
Opportunistic Fixed Income Fund	To manage against potential credit events.	Up to \$10.9 million

Credit default swaps — Seller

Implied credit spreads are utilized in determining the market value of CDS agreements in which the fund is the Seller at period end. The implied credit spread generally represents the yield of the instrument above a credit-risk free rate, such as the U.S. Treasury Bond Yield, and may include upfront payments required to be made to enter into the agreement. It also serves as an indicator of the current status of the payment/performance risk and represents the likelihood or risk of default for the credit derivative. Wider credit spreads represent a deterioration of the referenced entity’s creditworthiness and an increased risk of default or other credit event occurring as defined under the terms of the agreement.

For CDS agreements where implied credit spreads are not reported or available, the average credit rating on the underlying index is shown. A deterioration of the referenced entity’s creditworthiness would indicate a greater likelihood of a credit event occurring and result in increasing market values, in absolute terms when compared to the notional amount of the swap. The maximum potential amount of future payments (undiscounted) that the fund as the Seller could be required to make under any CDS agreement equals the notional amount of the agreement.

The following table details how the funds used credit default swap contracts as a seller during the year ended August 31, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Derivative instruments, continued

Fund	Reason	USD Notional range
High Yield Fund	To gain credit exposure to an issuer or index.	Up to \$643,000
Opportunistic Fixed Income Fund	To gain credit exposure to an issuer or index.	Up to \$9.9 million

Currency swaps. A currency swap is an agreement between the fund and a counterparty to exchange cash flows based on the notional difference among two or more currencies.

The following table details how the funds used currency swap contracts during the year ended August 31, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
Opportunistic Fixed Income Fund	To manage against anticipated currency exchange rate changes. At August 31, 2020, there were no open currency swaps contacts.	Up to \$1.0 million

Total Return Swaps. The funds may enter into total return swap contracts to obtain synthetic exposure to a specific reference asset or index without owning, taking physical custody of, or short selling the underlying assets. Total return swaps are commitments where one party pays a fixed or variable rate premium (the Buyer) in exchange for a market-linked return (the Seller). The Seller pays the total return of a specific reference asset or index and in return receives interest payments from the Buyer. To the extent the total return of the underlying asset or index exceeds or falls short of the offsetting interest rate obligation, the Buyer will receive or make a payment to the Seller. A fund may enter into total return swaps in which it may act as either the Buyer or the Seller. Total return swap contracts are subject to the risk associated with the investment in the underlying reference asset or index. The risk in the case of short total return swap contracts is unlimited based on the potential for unlimited increases in the market value of the underlying reference asset or index.

The following table details how the funds used total return swaps during the year ended August 31, 2020. In addition, the table summarizes the range of notional contract amounts held by the funds, as measured at each quarter end:

Fund	Reason	USD Notional range
Opportunistic Fixed Income Fund	To gain exposure to a security or market without investing directly in such security or market.	Up to \$5.2 million

Fair value of derivative instruments by risk category

The table below summarizes the fair value of derivatives held by the funds at August 31, 2020 by risk category:

Fund	Risk	Statements of assets and liabilities location	Financial instruments location	Assets derivatives fair value	Liabilities derivatives fair value
Asia Pacific Total Return Bond Fund	Interest rate	Receivable/payable for futures variation margin	Futures ¹	—	\$(87,565)
				—	\$(87,565)
High Yield Fund	Interest rate	Receivable/payable for futures variation margin	Futures ¹	\$29,120	—
	Currency	Unrealized appreciation / depreciation on forward foreign currency contracts	Forward foreign currency contracts	78,960	\$(201,349)
	Credit	Swap contracts, at value	Credit default swaps ²	50,156	—
				\$158,236	\$(201,349)
Opportunistic Fixed Income Fund	Interest rate	Receivable/payable for futures variation margin	Futures ¹	\$1,949	\$(27,285)
	Currency	Unrealized appreciation / depreciation on forward foreign currency contracts	Forward foreign currency contracts	96,528	(203,775)
	Credit	Swap contracts, at value	Credit default swaps ²	429,397	(234,397)
	Interest rate	Swap contracts, at value	Total return swaps ²	91,169	(14,992)
	Interest rate	Swap contracts, at value	Interest rate swaps ²	15,061	(34,928)
				\$634,104	\$(515,377)

¹ Reflects cumulative appreciation/depreciation on futures as disclosed in the Portfolio of investments. Only the year end variation margin is separately disclosed on the Statements of assets and liabilities.

² Reflects cumulative value of swap contracts. Receivable/payable for centrally cleared swaps, which includes value and margin, are shown separately on the Statements of assets and liabilities.

For financial reporting purposes, the funds do not offset OTC derivative assets or liabilities that are subject to master netting arrangements, as defined by the ISDAs, in the Statements 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. The tables below reflect the funds' exposure to OTC derivative transactions and exposure to counterparties subject to an ISDA:

OTC Financial Instruments	Asset	Liability
Opportunistic Fixed Income Fund		
Forward foreign currency contracts	\$96,528	\$(203,775)
Swap contracts	376,882	(268,770)
Totals	\$473,410	\$(472,545)

Derivative instruments, continued

Counterparty	Total Market Value of OTC Derivatives	Collateral Posted by Counterparty	Collateral Posted by Fund	Net Exposure
Opportunistic Fixed Income Fund				
Bank of America, N.A.	\$(22,515)	—	—	\$(22,515)
Barclays Bank PLC	13,846	\$10,000	—	3,846
Citibank, N.A.	(45,520)	—	—	(45,520)
Goldman Sachs International	(25,682)	—	—	(25,682)
JPMorgan Chase Bank, N.A.	(79,469)	—	\$79,469	—
Morgan Stanley & Co. International PLC	160,205	140,000	—	20,205
Totals	\$865	\$150,000	\$79,469	\$(69,666)

Effect of derivative instruments on the Statements 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 August 31, 2020:

Statements of operations location - Net realized gain (loss) on:							
Fund	Risk	Unaffiliated investments and foreign currency transactions ¹	Futures contracts	Forward foreign currency contracts	Written options	Swap contracts	Total
Asia Pacific Total Return Bond Fund	Interest rate	—	\$(1,222,128)	—	—	—	\$(1,222,128)
	Total	—	\$(1,222,128)	—	—	—	\$(1,222,128)
High Yield Fund	Interest rate	\$(51,822)	\$230,607	—	\$(1,146,848)	—	\$(968,063)
	Currency	—	—	\$32,622	—	—	32,622
	Credit	—	—	—	—	\$219,660	219,660
	Equity	(33,683)	—	—	—	—	(33,683)
	Total	\$(85,505)	\$230,607	\$32,622	\$(1,146,848)	\$219,660	\$(749,464)
Opportunistic Fixed Income Fund	Interest rate	\$(3,253)	\$117,959	—	\$89,830	\$139,857	\$344,393
	Currency	(7,018)	—	\$(267,344)	20,729	(41,058)	(294,691)
	Credit	—	—	—	2,597	(245,912)	(243,315)
	Total	\$(10,271)	\$117,959	\$(267,344)	\$113,156	\$(147,113)	\$(193,613)

¹ Realized gain/loss associated with purchased options is included in this caption on the Statements of operations.

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 August 31, 2020:

Statements of operations location - Change in net unrealized appreciation (depreciation) of:							
Fund	Risk	Unaffiliated investments and translation of assets and liabilities in foreign currencies ¹	Futures contracts	Forward foreign currency contracts	Written options	Swap contracts	Total
Asia Pacific Total Return Bond Fund	Interest rate	—	\$(83,637)	—	—	—	\$(83,637)
	Total	—	\$(83,637)	—	—	—	\$(83,637)
High Yield Fund	Interest rate	—	\$4,637	—	—	—	\$4,637
	Currency	—	—	\$(131,534)	—	—	(131,534)
	Credit	—	—	—	—	\$88,278	88,278
	Equity	\$5,682	—	—	—	—	5,682
	Total	\$5,682	\$4,637	\$(131,534)	—	\$88,278	\$(32,937)
Opportunistic Fixed Income Fund	Interest rate	\$7,088	\$(89,876)	—	\$(21,416)	\$(91,157)	\$(195,361)
	Currency	7,398	—	\$87,486	2,510	16,344	113,738
	Credit	—	—	—	(3,367)	407,483	404,116
	Total	\$14,486	\$(89,876)	\$87,486	\$(22,273)	\$332,670	\$322,493

¹ Change in unrealized appreciation/depreciation associated with purchased options is included in this caption on the Statements of operations.

4. Guarantees and indemnifications

Under the Trust's organizational documents, its Officers and Trustees are indemnified against certain liabilities arising out of the performance of their duties to the Trust, including the funds. Additionally, in the normal course of business, the Trust enters into contracts with service providers that contain general indemnification clauses. The Trust's maximum exposure under these arrangements is unknown, as this would involve future claims that may be made against the Trust that have not yet occurred. The risk of material loss from such claims is considered remote.

5. Fees and transactions with affiliates

John Hancock Investment Management LLC (the Advisor) serves as investment advisor for the funds. John Hancock Investment Management Distributors LLC (the Distributor), an affiliate of the Advisor, serves as principal underwriter of the funds. The Advisor and the Distributor are indirect, principally owned subsidiaries of Manulife Financial Corporation.

Management fee. The funds have an investment management agreement with the Advisor under which the funds pay a monthly management fee to the Advisor equivalent on an annual basis as detailed below. Aggregate net assets generally include the net assets of the funds and the net assets of a similar fund of John Hancock Variable Insurance Trust (JHVIT), unless otherwise noted below. JHVIT funds are advised by an affiliate of the Advisor, John Hancock Variable Trust Advisers LLC, and are distributed by an affiliate of the Advisor, John Hancock Distributors, LLC.

- Asia Pacific Total Return Bond Fund — a) 0.725% of the first \$250 million of average net assets; b) 0.700% of the next \$250 million of average net assets and c) 0.600% of the excess over \$500 million of average net assets.
- Core Bond Fund — a) 0.690% of the first \$200 million of aggregate net assets; b) 0.640% of the next \$200 million of aggregate net assets; c) 0.570% of the next \$600 million of aggregate net assets.; d) 0.560% of the next \$1 billion of aggregate net assets; and e) 0.550% of the excess over \$2 billion of aggregate net assets.
- High Yield Fund — a) 0.700% of the first \$500 million of aggregate net assets and b) 0.650% of the excess over \$500 million of aggregate net assets.
- Opportunistic Fixed Income Fund — a) 0.650% of the first \$1 billion of aggregate net assets and b) 0.625% of the excess over \$1 billion of aggregate net assets. Prior to July 1, 2020, management fee was 0.650% on aggregate net assets. Prior to February 28, 2020, management fee was a) 0.700% of the first \$1 billion of aggregate net assets and b) 0.650% of the excess over \$1 billion of aggregate net assets.
- U.S. High Yield Bond Fund — a) 0.750% of the first \$200 million of average net assets and b) 0.720% of the excess over \$200 million of average net assets.

The organizations described below act as the subadvisors to the Trust and its funds pursuant to Subadvisory Agreements with the Advisor. Fund management is allocated among the following managers:

Fund	Subadvisor(s)
Asia Pacific Total Return Bond Fund	Manulife Investment Management (US) LLC ¹
Opportunistic Fixed Income Fund	Wellington Management Company LLP ²
Core Bond Fund U.S. High Yield Bond Fund	Wells Capital Management, Incorporated
High Yield Fund	Western Asset Management Company

¹ An affiliate of the Advisor.

² Effective February 28, 2020, Wellington Management Company LLP replaced Pacific Investment Management Company LLC as subadvisor.

The funds are not responsible for payment of the subadvisory fees.

Expense reimbursements. The Advisor has voluntarily agreed to waive a portion of its management fee if certain expenses of the respective funds exceed the percentage of average net assets as detailed below. Expenses excluded from this waiver are taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the funds' business, management fees, class specific expenses, acquired fund fees and short dividends. This expense reduction will continue in effect until terminated by the Advisor.

Fund	Expense limitation as a percentage of average net assets	Fund	Expense limitation as a percentage of average net assets
Asia Pacific Total Return Bond Fund	0.15%	Opportunistic Fixed Income Fund	0.15%
Core Bond Fund	0.15%	U.S. High Yield Bond Fund	0.15%
High Yield Fund	0.15%		

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 August 31, 2020, this waiver amounted to 0.01% of the fund's average daily net assets. This arrangement expires on July 31, 2022, unless renewed by mutual agreement of the fund and the Advisor based upon a determination that this is appropriate under the circumstances at that time.

Effective March 19, 2020, the Advisor contractually agreed to waive its management fee on Opportunistic Fixed Income Fund so that the annual operating expenses do not exceed 0.80% of average net assets for the fund. Expenses excluded from this waiver are taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, Rule 12b-1 fees, transfer agent fees and service fees, shareholder servicing fees, borrowing costs, prime brokerage fees, acquired fund fees and expenses paid indirectly and short dividend expenses. This agreement expires on December 31, 2021, unless renewed by mutual agreement of the advisor and the portfolio based upon a determination that this is appropriate under the circumstances at that time.

Fees and transactions with affiliates, continued

For the year ended August 31, 2020, the expense reductions described above amounted to the following:

Expense Reimbursement by Class			
Fund	Class 1	Class NAV	Total
Asia Pacific Total Return Bond Fund	—	\$17,779	\$17,779
Core Bond Fund	\$13,130	183,797	196,927
High Yield Fund	15,646	—	15,646
Opportunistic Fixed Income Fund	285,935	—	285,935
U.S. High Yield Bond Fund	4,744	12,048	16,792

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 August 31, 2020, were equivalent to a net annual effective rate of the funds' average daily net assets as follows:

Fund	Net Annual Effective Rate	Fund	Net Annual Effective Rate
Asia Pacific Total Return Bond Fund	0.72%	Opportunistic Fixed Income Fund	0.00%
Core Bond Fund	0.56%	U.S. High Yield Bond Fund	0.74%
High Yield Fund	0.69%		

Accounting and legal services. Pursuant to a service agreement, the funds reimburse the Advisor for all expenses associated with providing the administrative, financial, legal, compliance, accounting and recordkeeping services to the funds, including the preparation of all tax returns, periodic reports to shareholders and regulatory reports, among other services. These expenses are allocated to each share class based on its relative net assets at the time the expense was incurred. These accounting and legal services fees incurred, for the year ended August 31, 2020, amounted to an annual rate of 0.02% of the funds' average daily net assets.

Distribution and service plans. The funds have a distribution agreement with the Distributor. The funds have adopted distribution and service plans for certain classes as detailed below pursuant to Rule 12b-1 under the 1940 Act, to pay the Distributor for services provided as the distributor of shares of the funds. The funds may pay up to the following contractual rates of distribution and service fees under these arrangements, expressed as an annual percentage of average daily net assets for each class of the funds' shares:

Class	Rule 12b-1 Fee
Class 1	0.05%

Trustee expenses. The funds compensate each Trustee who is not an employee of the Advisor or its affiliates. The costs of paying Trustee compensation and expenses are allocated to each fund based on their net assets relative to other funds within the John Hancock group of funds complex.

Interfund lending program. Pursuant to an Exemptive Order issued by the SEC, the funds, along with certain other funds advised by the Advisor or its affiliates, may participate in an interfund lending program. This program provides an alternative credit facility allowing the funds to borrow from, or lend money to, other participating affiliated funds. At period end, no interfund loans were outstanding. Interest expense is included in Other expenses on the Statements of operations. The funds' activity in this program during the period for which loans were outstanding was as follows:

Fund	Borrower or Lender	Weighted Average Loan Balance	Days Outstanding	Weighted Average Interest Rate	Interest Income (Expense)
Asia Pacific Total Return Bond Fund	Borrower	\$5,208,333	12	0.575%	\$(999)
Opportunistic Fixed Income Fund	Lender	2,100,000	1	1.070%	62

6. Fund share transactions

Transactions in funds' shares for the years ended August 31, 2020 and 2019 were as follows:

Asia Pacific Total Return Bond Fund	Year Ended 8-31-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
Class NAV shares				
Sold	622,470	\$6,052,445	2,357,811	\$22,559,494
Distributions reinvested	1,187,940	11,534,899	1,069,814	9,927,876
Repurchased	(14,664,101)	(141,383,552)	(9,834,752)	(93,835,766)
Net decrease	(12,853,691)	\$(123,796,208)	(6,407,127)	\$(61,348,396)
Total net decrease	(12,853,691)	\$(123,796,208)	(6,407,127)	\$(61,348,396)
Core Bond Fund				
	Year Ended 8-31-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
Class 1 shares				
Sold	4,100,406	\$55,671,502	2,476,833	\$31,829,228
Distributions reinvested	427,345	5,663,456	342,715	4,342,494
Repurchased	(2,636,573)	(35,391,823)	(2,600,640)	(33,029,680)
Net increase	1,891,178	\$25,943,135	218,908	\$3,142,042

Fund share transactions, continued

Core Bond Fund , Cont'd	Year Ended 8-31-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
Class NAV shares				
Sold	20,516,036	\$275,267,732	122,829,292	\$1,565,914,512
Distributions reinvested	6,402,984	84,643,885	4,144,403	52,735,636
Repurchased	(47,015,195)	(627,363,940)	(49,605,775)	(639,991,485)
Net increase (decrease)	(20,096,175)	\$(267,452,323)	77,367,920	\$978,658,663
Total net increase (decrease)	(18,204,997)	\$(241,509,188)	77,586,828	\$981,800,705
High Yield Fund				
	Year Ended 8-31-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
Class 1 shares				
Sold	1,929,866	\$15,076,870	1,520,532	\$12,191,321
Distributions reinvested	1,769,163	13,263,417	2,030,292	15,929,257
Repurchased	(9,101,936)	(69,556,464)	(6,940,528)	(54,913,514)
Net decrease	(5,402,907)	\$(41,216,177)	(3,389,704)	\$(26,792,936)
Class NAV shares¹				
Sold	—	—	61,648	\$480,103
Distributions reinvested	—	—	626,974	4,816,452
Repurchased	—	—	(17,556,929)	(138,149,496)
Net decrease	—	—	(16,868,307)	\$(132,852,941)
Total net decrease	(5,402,907)	\$(41,216,177)	(20,258,011)	\$(159,645,877)

¹ Class NAV shares were fully redeemed on 3-28-19.

Opportunistic Fixed Income Fund	Year Ended 8-31-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
Class 1 shares				
Sold	848,596	\$11,202,825	520,704	\$6,606,636
Distributions reinvested	110,682	1,410,083	52,415	648,896
Repurchased	(1,579,659)	(20,768,430)	(979,631)	(12,432,894)
Net decrease	(620,381)	\$(8,155,522)	(406,512)	\$(5,177,362)
Class NAV shares¹				
Sold	—	—	48,422	\$604,726
Distributions reinvested	—	—	230,192	2,845,170
Repurchased	—	—	(18,087,028)	(228,474,139)
Net decrease	—	—	(17,808,414)	\$(225,024,243)
Total net decrease	(620,381)	\$(8,155,522)	(18,214,926)	\$(230,201,605)

¹ Class NAV shares were fully redeemed on 4-17-19.

U.S. High Yield Bond Fund	Year Ended 8-31-20		Year Ended 8-31-19	
	Shares	Amount	Shares	Amount
Class 1 shares				
Sold	872,995	\$9,628,379	1,118,013	\$12,311,473
Distributions reinvested	350,006	3,705,811	375,923	4,094,406
Repurchased	(2,202,611)	(23,388,569)	(1,673,286)	(18,424,154)
Net decrease	(979,610)	\$(10,054,379)	(179,350)	\$(2,018,275)
Class NAV shares				
Sold	1,252,532	\$13,333,966	1,009,198	\$11,090,690
Distributions reinvested	889,876	9,390,983	920,914	10,019,828
Repurchased	(2,259,973)	(23,774,502)	(3,875,556)	(42,608,023)
Net decrease	(117,565)	\$(1,049,553)	(1,945,444)	\$(21,497,505)
Total net decrease	(1,097,175)	\$(11,103,932)	(2,124,794)	\$(23,515,780)

Affiliates of the Trust owned 100% of shares of Class 1 and Class NAV, with the exception of Core Bond Fund where affiliates owned 76.8% of shares of Class NAV on August 31, 2020. Such concentration of shareholders' capital could have a material effect on the fund if such shareholders redeem from the fund.

7. Purchase and sale of securities

Purchases and sales of securities, other than short-term investments, amounted to the following for the year ended August 31, 2020:

Fund	Purchases		Sales	
	U.S. Government	Other issuers	U.S. Government	Other issuers
Asia Pacific Total Return Bond Fund	\$14,183,898	\$98,472,232	\$23,904,547	\$213,503,859

Purchase and sale of securities, continued

Fund	Purchases		Sales	
	U.S. Government	Other issuers	U.S. Government	Other issuers
Core Bond Fund	\$6,584,817,955	\$3,490,081,054	\$7,024,853,076	\$3,612,825,711
High Yield Fund	—	173,669,186	—	209,630,848
Opportunistic Fixed Income Fund	43,710,736	65,835,088	49,264,573	74,755,224
U.S. High Yield Bond Fund	—	187,198,561	—	200,040,995

8. Industry or sector risk

Certain funds generally invest a large percentage of their assets in one or more particular industries or sectors of the economy. If a large percentage of a 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 NAV 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. Financial services companies can be hurt by economic declines, changes in interest rates, and regulatory and market impacts.

9. Investment in affiliated underlying funds

The fund may invest in affiliated underlying funds that are managed by the Advisor and its affiliates. Information regarding the funds' fiscal year to date purchases and sales of the affiliated underlying funds as well as income and capital gains earned by the funds, if any, is as follows:

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
Core Bond Fund									
John Hancock Collateral Trust*	—	\$1,019,314	\$14,055,885	\$(15,074,312)	\$(857)	\$(30)	\$4,540	—	—
High Yield Fund									
John Hancock Collateral Trust*	27,237	\$877,204	\$22,727,505	\$(23,326,733)	\$(5,363)	\$53	\$18,986	—	\$272,666
U.S. High Yield Bond Fund									
John Hancock Collateral Trust*	943,564	\$12,857,869	\$80,330,738	\$(83,741,663)	\$(7,211)	\$6,000	\$114,659	—	\$9,445,733

* Refer to the Securities lending note within Note 2 for details regarding this investment.

10. Investment by affiliated funds

Certain investors in the funds are affiliated funds that are managed by the Advisor and its affiliates. The affiliated funds do not invest in the funds for the purpose of exercising management or control; however, this investment may represent a significant portion of the funds' net assets. The following fund(s) had an affiliate ownership of 5% or more of the funds' net assets:

Fund	Affiliated Concentration
Asia Pacific Total Return Bond Fund	100.0%
Core Bond Fund	70.9%
U.S. High Yield Bond Fund	73.5%

11. Interfund trading

The funds are permitted to purchase or sell securities from or to certain other affiliated funds, as set forth in Rule 17a-7 of the 1940 Act, under specified conditions outlined in procedures adopted by the Board of Trustees of the Trust. The procedures have been designed to ensure that any purchase or sale of securities by the funds from or to another fund that is or could be considered an affiliate complies with Rule 17a-7 of the 1940 Act. Further, as defined under the procedures, each transaction is effected at the current market price. Pursuant to these procedures, for the year ended August 31, 2020, the funds engaged in securities purchases and sales with affiliated funds, some of which have different fiscal reporting periods, as follows:

Fund	Purchases	Sales
Opportunistic Fixed Income Fund	\$325,632	\$10,489,027
U.S. High Yield Bond Fund	\$1,250,547	\$735,537

12. Restricted securities

The funds may hold restricted securities which are restricted as to resale and the funds have limited rights to registration under the Securities Act of 1933. Disposal may involve time-consuming negotiations and expenses, and prompt sale at an acceptable price may be difficult to achieve. The following table summarizes the restricted securities held at August 31, 2020:

Restricted securities, continued

Issuer, Description	Original acquisition date	Acquisition cost	Beginning share amount	Shares purchased	Shares sold	Ending share amount	Value as a percentage of net assets	Ending value
High Yield Fund								
KCAD Holdings I, Ltd.	3-21-11	\$6,150,520	752,218,031	—	—	752,218,031	0.0%*	\$752
MWO Holdings LLC	8-30-16	1,116,559	1,134	—	—	1,134	0.0%*	65,851
New Cotai, Inc., Class B	4-12-13	—	11	—	—	11	0.0%	—
								\$66,603

* Less than 0.05%.

13. Coronavirus (COVID-19) pandemic

The novel COVID-19 disease has resulted in significant disruptions to global business activity. A widespread health crisis such as a global pandemic could cause substantial market volatility, exchange trading suspensions and closures, impact the ability to complete redemptions, and affect fund performance.

14. LIBOR discontinuation risk

LIBOR (London Interbank Offered Rate) is a measure of the average interest rate at which major global banks can borrow from one another. Following allegations of rate manipulation and concerns regarding its thin liquidity, in July 2017, the U.K. Financial Conduct Authority, which regulates LIBOR, announced that it will stop encouraging banks to provide the quotations needed to sustain LIBOR after 2021. This event will likely cause LIBOR to cease to be published. Before then, it is expected that market participants will transition to the use of different reference or benchmark rates. However, although regulators have suggested alternative rates, there is currently no definitive information regarding the future utilization of LIBOR or of any replacement rate.

It is uncertain what impact the discontinuation of LIBOR will have on the use of LIBOR as a reference rate for securities in which the funds invest. It is expected that market participants will amend financial instruments referencing LIBOR to include fallback provisions and other measures that contemplate the discontinuation of LIBOR or other similar market disruption events, but neither the effect of the transition process nor the viability of such measures is known. In addition, there are obstacles to converting certain longer term securities and transactions to a new benchmark or benchmarks and the effectiveness of one alternative reference rate versus multiple alternative reference rates in new or existing financial instruments and products has not been determined. As market participants transition away from LIBOR, LIBOR's usefulness may deteriorate, which could occur prior to the end of 2021. The transition process may lead to increased volatility and illiquidity in markets that currently rely on LIBOR to determine interest rates. LIBOR's deterioration may adversely affect the liquidity and/or market value of securities that use LIBOR as a benchmark interest rate.

15. Other matters

In or around May 2015, certain John Hancock Funds, including U.S. High Yield Bond Fund, were served with a complaint brought by the Motors Liquidation Avoidance Action Trust (the "Motors Trust"). The complaint sought disgorgement of certain amounts paid to the Term Loan Lenders as holders of indebtedness issued by General Motors pursuant to a \$1.5 billion term loan, dated as of November 29, 2006 (as amended, the "Term Loan"). The litigation has now been settled resulting in no payments by the fund. As part of the settlement, the fund received payment of \$107,429 representing reimbursement of approximately 73% of the legal fees incurred.

John Hancock Funds II

Report of Independent Registered Public Accounting Firm

To the Board of Trustees of John Hancock Funds II and Shareholders of John Hancock Asia Pacific Total Return Bond Fund, John Hancock Core Bond Fund, John Hancock High Yield Fund, John Hancock Opportunistic Fixed Income Fund and John Hancock U.S. High Yield Bond Fund

Opinions on the Financial Statements

We have audited the accompanying statements of assets and liabilities, including the portfolio of investments, of John Hancock Asia Pacific Total Return Bond Fund, John Hancock Core Bond Fund, John Hancock High Yield Fund, John Hancock Opportunistic Fixed Income Fund and John Hancock U.S. High Yield Bond Fund (five of the funds constituting John Hancock Funds II, hereafter collectively referred to as the "Funds") as of August 31, 2020, the related statements of operations for the year ended August 31, 2020, the statements of changes in net assets for each of the two years in the period ended August 31, 2020, including the related notes, and the financial highlights for each of the five years in the period ended August 31, 2020 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of each of the Funds as of August 31, 2020, the results of each of their operations for the year then ended, the changes in each of their net assets for each of the two years in the period ended August 31, 2020 and each of the financial highlights for each of the five years in the period ended August 31, 2020 in conformity with accounting principles generally accepted in the United States of America.

Basis for Opinions

These financial statements are the responsibility of the Funds' management. Our responsibility is to express an opinion on the Funds' financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Funds in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of August 31, 2020 by correspondence with the custodians, transfer agents, agent banks and brokers; when replies were not received from agent banks and brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinions.

/s/ PricewaterhouseCoopers LLP

Boston, Massachusetts

October 22, 2020

We have served as the auditor of one or more investment companies in the John Hancock group of funds since 1988.

John Hancock Funds II

Federal tax information (Unaudited)

For federal income tax purposes, the following information is furnished with respect to the distributions of the funds, if any, paid during its taxable year ended August 31, 2020.

Dividend Received Deduction The funds report the maximum amount allowable of their net taxable income as eligible for the corporate dividends-received deduction.

Qualified Dividend Income The funds report the maximum amount allowable of their net taxable income as qualified dividend income as provided in the Jobs and Growth Tax Relief Reconciliation Act of 2003.

Each fund reports the maximum amount allowable of its Section 199A dividends as defined in Proposed Treasury Regulation §1.199A-3(d).

Foreign Tax Credit The income derived from foreign sources and the amount the fund intends to pass through as foreign tax credits for Asia Pacific Total Return Bond Fund amounted to \$12,140,048 and \$947,006, respectively, for the year ended August 31, 2020.

Long Term Capital Gains Core Bond Fund paid \$3,617,696 in long term capital gain dividends.

Eligible shareholders will be mailed a 2020 Form 1099-DIV in early 2021. This will reflect the tax character of all distributions paid in calendar year 2020.

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

This section describes the evaluation by the Board of Trustees (the “Board”) of John Hancock Funds II (the “Trust”) of the Advisory Agreement (the “Advisory Agreement”) with John Hancock Investment Management LLC (the “Advisor”, formerly known as “John Hancock Advisers, LLC”) and each of the Subadvisory Agreements (collectively, the “Subadvisory Agreements”) with respect to each of the portfolios of the Trust included in this report (the “Funds”). The Advisory Agreement and Subadvisory Agreements are collectively referred to as the Agreements. Prior to the June 23-25, 2020 telephonic¹ meeting at which the Agreements were approved, the Board also discussed and considered information regarding the proposed continuation of the Agreements at the telephonic meeting held on May 26-27, 2020.

Approval of Advisory and Subadvisory Agreements

At telephonic meetings held on June 23-25, 2020, the Board, including the Trustees who are not parties to any Agreement or considered to be interested persons of the Trust 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 Trust and the Advisor and the applicable Subadvisory Agreements between the Advisor and the investment subadvisors (each, a “Subadvisor” and collectively, the “Subadvisors”) with respect to each of the Funds identified below in Appendix A.

In considering the Advisory Agreement and the Subadvisory Agreements with respect to each Fund, the Board received in advance of the meetings a variety of materials relating to each Fund, the Advisor and each Subadvisor, including comparative performance, fee and expense information for peer groups of similar funds prepared by an independent third-party provider of fund data; performance information for the Funds’ benchmark indices; and, with respect to each Subadvisor, comparative performance information for comparably managed accounts, as applicable; and other information provided by the Advisor and the Subadvisors regarding the nature, extent and quality of services provided by the Advisor and the Subadvisors under their respective Agreements, as well as information regarding the Advisor’s revenues and costs of providing services to the Funds and any compensation paid to affiliates of the Advisor. At the meetings at which the renewal of the Advisory Agreement and Subadvisory Agreements 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 Subadvisors is an ongoing one. In this regard, the Board also took into account discussions with management and information provided to the Board (including its various committees) at prior meetings with respect to the services provided by the Advisor and the Subadvisors to the Funds, including quarterly performance reports prepared by management containing reviews of investment results, and prior presentations from the Subadvisors with respect to the Funds they manage. The information received and considered by the Board in connection with the May and June meetings and throughout the year was both written and oral. The Board noted the affiliation of certain of the Subadvisors with the Advisor, noting any potential conflicts of interest. The Board also considered the nature, quality, and extent of the services, if any, to be provided to the Funds by the Advisor’s affiliates, including distribution services. The Board considered the Advisory Agreement and the Subadvisory Agreement separately in the course of its review. In doing so, the Board noted the respective roles of the Advisor and Subadvisor in providing services to the Funds. In addition, although the Board approved the renewal of the Agreements for all the Funds at the June meeting, the Board considered each Fund separately.

Throughout the process, the Board asked questions of and requested additional information from management. The Board is assisted by counsel for the Trust 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 each 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 did not treat any single factor as determinative, and each Trustee may have attributed 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 Funds, 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 Trust’s Chief Compliance Officer (“CCO”) regarding the Funds’ compliance policies and procedures established pursuant to Rule 38a-1 under the 1940 Act. The Board observed that the scope of services provided by the Advisor, and of the undertakings required of the Advisor in connection with those services, including maintaining and monitoring its own and the fund’s compliance programs, risk management programs, liquidity management programs and cybersecurity programs, had expanded over time as a result of regulatory, market and other developments. The Board considered that the Advisor is responsible for the management of the day-to-day operations of the Funds, including but not limited to, general supervision of and coordination of the services provided by the Subadvisors, and is also responsible for monitoring and reviewing the activities of the Subadvisors and other third-party service providers. The Board also considered the significant risk assumed by the Advisor in connection with the services provided to the Funds including entrepreneurial risk in sponsoring new Funds and ongoing risks including investment, operational, enterprise, litigation, regulatory and compliance risks with respect to all 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 Trust and of the other trusts in the complex (the John Hancock Fund Complex).

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

- (a) the skills and competency with which the Advisor has in the past managed the Trust’s affairs and its subadvisory relationships, the Advisor’s oversight and monitoring of the Subadvisors’ investment performance and compliance programs, such as the Subadvisors’ 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;

¹ On March 25, 2020, as a result of health and safety measures put in place to combat the global COVID-19 pandemic, the Securities and Exchange Commission issued an exemptive order (the “Order”) pursuant to Sections 6(c) and 38(a) of the Investment Company Act of 1940, as amended (the “1940 Act”), that temporarily exempts registered investment management companies from the in-person voting requirements under the 1940 Act, subject to certain requirements, including that votes taken pursuant to the Order are ratified at the next in-person meeting. The Board determined that reliance on the Order was necessary or appropriate due to the circumstances related to current or potential effects of COVID-19 and therefore, the Board’s May and June meetings were held telephonically in reliance on the Order.

Evaluation of advisory and subadvisory agreements by the board of trustees

- (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 Funds, as well as the Advisor's oversight of any securities lending activity, its monitoring of class action litigation and collection of class action settlements on behalf of the Funds, and bringing loss recovery actions on behalf of the Funds;
- (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 Funds;
- (f) the Advisor's initiative intended to improve various aspects of the Trust's operations and investor experience with the Funds; and
- (g) the Advisor's reputation and experience in serving as an investment adviser to the Trust 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 Funds.

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

- (a) reviewed information prepared by management regarding the Funds' performance;
- (b) considered the comparative performance of each Fund's respective 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; and
- (d) took into account the Advisor's analysis of each Fund's performance and its plans and recommendations regarding the Trust's subadvisory arrangements generally and with respect to particular Funds.

The Board noted that while it found the data provided by the independent third-party generally useful it recognized its limitations, including in particular that the data may vary depending on the end date selected and that the results of the performance comparisons may vary depending on the selection of the peer group. The Board reviewed Fund performance against each Funds' respective benchmark and peer group median and also concluded that the performance of each of the Funds has generally been in line with or generally outperformed the historical performance of comparable funds and/or each Fund's respective benchmark, with certain exceptions noted in Appendix A. In such cases, the Board concluded that such performance is being monitored and reasonably addressed, where appropriate.

Fees and Expenses. The Board reviewed comparative information prepared by an independent third-party provider of fund data including, among other data, each 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 in light of the nature, extent and quality of the management and advisory and subadvisory services provided by the Advisor and the Subadvisor. The Board considered each 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 broader groups of funds. In comparing each Fund's contractual and net management fees to that of comparable funds, the Board noted that such fees include both advisory and administrative costs.

The Board took into account management's discussion of the fund's expenses. The Board also took into account management's discussion with respect to the overall management fee, the fees of the Subadvisor, including the amount of the advisory fee retained by the Advisor after payment of the subadvisory fee, in each case in

light of the services rendered for those amounts and the risks undertaken by the Advisor. The Board also noted that the Advisor pays the subadvisory fees of the Funds, and that such fees are negotiated at arm's length with respect to the unaffiliated Subadvisors. The Board also took into account that management had agreed to implement an overall fee waiver across the complex, which is discussed further below. The Board also noted management's discussion of the Funds' expenses, as well as any actions taken over the past several years to reduce the Funds' operating expenses. The Board reviewed information provided by the Advisor concerning investment advisory fee charged by the Advisor or one of its advisory affiliates to other clients (including other funds in the complex) having similar investment mandates, if any. The Board considered any differences between the Advisor's and each Subadvisor's services to a Fund and the services they provide to other comparable clients or funds. The Board concluded that the advisory fee paid with respect to each of the Funds is reasonable in light of the nature, extent and quality of the services provided to the Funds under the Advisory Agreement.

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 Subadvisors that are affiliated with the Advisor) from the Advisor's relationship with the Trust, 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, of each Fund;
- (c) received and reviewed profitability information with respect to the John Hancock fund complex as a whole and with respect to each Fund;
- (d) received information with respect to the Advisor's allocation methodologies used in preparing the profitability data and considered that the Advisor hired an independent third-party consultant to provide an analysis of the Advisor's allocation methodologies;
- (e) considered that the John Hancock insurance companies that are affiliates of the Advisor, as shareholders of the Trust directly or through their separate accounts, receive certain tax credits or deductions relating to foreign taxes paid and dividends received by certain Funds of the Trust and noted that these tax benefits, which are not available to participants in qualified retirement plans under applicable income tax law, are reflected in the profitability analysis reviewed by the Board;
- (f) considered that the Advisor also provides administrative services to the Funds on a cost basis pursuant to an administrative services agreement;
- (g) noted that certain of the Funds' Subadvisors are affiliates of the Advisor;
- (h) noted that affiliates of the Advisor provide transfer agency services and distribution services to the fund, and that the fund's distributor also receives Rule 12b-1 payments to support distribution of the fund;
- (i) noted that the Advisor also derives reputational and other indirect benefits from providing advisory services to the Funds;
- (j) noted that the subadvisory fees for the Funds are paid by the Advisor and are negotiated at arms' length with respect to the unaffiliated Subadvisors;
- (k) with respect to each Fund of the Funds, the Board noted that the advisory fee is in addition to the fees received by the Advisor and its affiliates with regard to the underlying portfolios in which each Fund of Funds may invest;
- (l) considered the Advisor's ongoing costs and expenditures necessary to improve services, meet new regulatory and compliance requirements, and adapt to other challenges impacting the fund industry; and
- (m) 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 risks that it assumes as Advisor, including entrepreneurial, operational, reputational, litigation and regulatory risk.

Evaluation of advisory and subadvisory agreements by the board of trustees

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

Economies of Scale. In considering the extent to which a Fund may realize any economies of scale and whether fee levels reflect these economies of scale for the benefit of Fund shareholders, the Board:

(a) considered that the Advisor has contractually agreed to waive a portion of its management fee for certain funds of the John Hancock Fund Complex, including the fund (the participating portfolios) or otherwise reimburse the expenses of the participating portfolios (the reimbursement). 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;

(b) reviewed the Fund's advisory fee structure and concluded that: (i) the fund's fee structure contains breakpoints at the subadvisory fee level and that such breakpoints are reflected as breakpoints in the advisory fees for the fund; and (ii) although economies of scale cannot be measured with precision, these arrangements permit shareholders of the Fund to benefit from economies of scale if the Fund grows. The Board also took into account management's discussion of the Fund's advisory fee structure; and

(c) considered the effect of the Funds' growth in size on their performance and fees. The Board also noted that if the Funds' assets increase over time, the Funds may realize other economies of scale.

Approval of Subadvisory Agreements

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

- (1) information relating to each Subadvisor's business, including current subadvisory services to the Trust (and other funds in the John Hancock family of funds);
- (2) the historical and current performance of each Fund and comparative performance information relating to the Fund's benchmark and comparable funds;
- (3) the subadvisory fee for each Fund, and comparative fee information, where available, prepared by an independent third party provider of fund data; and
- (4) information relating to the nature and scope of any material relationships and their significance to the Trust's Advisor and unaffiliated Subadvisors.

Nature, Extent and Quality of Services. With respect to the services provided by each of the Subadvisors with respect to each Fund, the Board received information provided to the Board by each Subadvisor, including each Subadvisor's Form ADV, as well as took into account information presented throughout the past year. The Board considered each Subadvisor's current level of staffing and its overall resources, as well as received information relating to a Subadvisor's compensation program. The Board reviewed each Subadvisor's history and investment experience, as well as information regarding the qualifications, background and responsibilities of each Subadvisor's investment and compliance personnel who provide services to the Funds. The Board also considered, among other things, each Subadvisor's compliance program and any disciplinary history. The Board also considered each Subadvisor's risk assessment and monitoring process. The Board reviewed each 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 each Subadvisor and its operations, including regarding investment processes and organizational and staffing matters. The Board also noted that the CCO and his staff conduct regular, periodic compliance reviews with each of the Subadvisors and present reports to the Independent Trustees regarding the same, which

includes evaluating the regulatory compliance systems of the Subadvisors and procedures reasonably designed by them to assure compliance with the federal securities laws. The Board also took into account the financial condition of each Subadvisor.

The Board considered each Subadvisor's investment process and philosophy. The Board took into account that each Subadvisor's responsibilities include the development and maintenance of an investment program for the applicable 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 each 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 each Subadvisor and the profitability to that Subadvisor of its relationship with the Fund, the Board noted that the fees under the Subadvisory Agreements are paid by the Advisor and not the Funds. The Board also received information and took into account any other potential conflicts of interest the Advisor might have in connection with the Subadvisory Agreements.

The Board also relied on the ability of the Advisor to negotiate each Subadvisory Agreement with Subadvisors that are not affiliated with the Advisor and the fees thereunder at arm's length. As a result, the costs of the services to be provided and the profits to be realized by unaffiliated Subadvisors from their relationship with the Trust were not a material factor in the Board's consideration of the Subadvisory Agreements.

The Board also received information regarding the nature and scope (including their significance to the Advisor and its affiliates and to unaffiliated Subadvisors) of any material relationships with respect to the unaffiliated Subadvisors, which include arrangements in which unaffiliated Subadvisors or their affiliates provide advisory, distribution or management services in connection with financial products sponsored by the Trust's Advisor or its affiliates, and may include shares of the Trust, other registered investment companies, a 529 education savings plan, managed separate accounts and exempt group annuity contracts sold to qualified plans.

In addition, the Board considered other potential indirect benefits that the Subadvisors and their affiliates may receive from a 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 each Subadvisor. As noted above, the Board also considered, if available, each Fund's subadvisory fees 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 applicable. The Board also took into account the subadvisory fees paid by the Advisor to a Subadvisor with respect to the Funds to fees charged by each Fund's 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 each Fund's performance as compared to the Fund's respective peer group median 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 each Subadvisor. The Board was mindful of the Advisor's focus on each Subadvisor's performance. The Board also noted each Subadvisor's long-term performance record for similar accounts, as applicable.

Evaluation of advisory and subadvisory agreements by the board of trustees

The Board's decision to approve the Subadvisory Agreements with respect to each Fund was based on a number of determinations, including the following:

- (1) each Subadvisor has extensive experience and demonstrated skills as a manager;
- (2) although not without variation, the performance of each Fund managed by a Subadvisor generally has been in line with or outperformed the historical performance of comparable funds and/or each Fund's respective benchmark, with the exceptions noted in Appendix A (with respect to such exceptions, the Board concluded that performance is being monitored and reasonably addressed);
- (3) the subadvisory fees are reasonable in relation to the level and quality of services being provided under the Subadvisory Agreements; and
- (4) the subadvisory fees are paid by the Advisor and not the Funds, and that the fee structure for certain of the Funds contains breakpoints, certain breakpoints are reflected as breakpoints in the advisory fees for the Funds in

order to permit shareholders to benefit from economies of scale if those Funds grow.

* * *

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 each of the Subadvisory Agreements with respect to each Fund would be in the best interest of each of the respective Funds and its shareholders. Accordingly, the Board, and the Independent Trustees voting separately, approved the Advisory Agreement and Subadvisory Agreements with respect to each Fund for an additional one-year period.

Appendix A

Portfolio (subadvisors)	Performance of fund, as of 12.31.2019	Fees and expenses	Comments
Asia Pacific Total Return Bond Fund (Manulife Investment Management (US))	<p>Benchmark Index — The fund outperformed for the one-, three- and five-year periods.</p> <p>Lipper Category — The fund outperformed the median for the one-, three- and five-year periods.</p>	<p>Subadvisory fee comparative data not provided due to limited size of Lipper peer group for this purpose.</p> <p>Net management fees for this fund are higher than the peer group median.</p> <p>Total expenses for this fund are higher than the peer group median.</p>	<p>The Board took into account management's discussion of the fund's performance, including the favorable performance relative to the benchmark index and the peer group median for the one-, three- and five-year periods.</p> <p>The Board took into account management's discussion of the fund's expenses.</p>
Core Bond Fund (Wells Capital Management, Inc.)	<p>Benchmark Index — The fund underperformed for the one-, three- and five-year periods and outperformed for the ten-year period.</p> <p>Lipper Category — The fund outperformed the median for the ten-year period and underperformed the median for the one-, three- and five-year periods.</p>	<p>Subadvisory fee comparative data not provided due to limited size of Lipper peer group for this purpose.</p> <p>Net management fees for this fund are higher than the peer group median.</p> <p>Total expenses for this fund are lower than the peer group median.</p>	<p>The Board took into account management's discussion of the fund's performance, including the favorable performance relative to the benchmark index and peer group median for the ten-year period. The Board took into account management's discussion of the factors that contributed to the fund's performance for the benchmark index and peer group median for the one-, three- and five-year periods including the impact of past and current market conditions on the fund's strategy and management's outlook for the fund.</p> <p>The Board concluded that the fund's performance is being monitored and reasonably addressed, where appropriate.</p> <p>The Board took into account management's discussion of the fund's expenses.</p>
Opportunistic Fixed Income Fund (formerly known as "Global Bond Fund") (Wellington Management Company LLP)	<p>Benchmark Index — The fund underperformed for the one-year period and outperformed for the three-, five- and ten-year periods.</p> <p>Lipper category — The fund underperformed the median for the one-year period and outperformed the median for the three-, five- and ten-year periods.</p>	<p>Subadvisory fee comparative data not provided due to limited size of Lipper peer group for this purpose.</p> <p>Net management fees for this fund are higher than the peer group median.</p> <p>Total expenses for this fund are equal to the peer group median.</p>	<p>The Board took into account management's discussion of the fund's performance, including the favorable performance relative to the benchmark index and peer group median for the three-, five- and ten-year periods. The Board noted that the fund's longer term performance in part reflects that of the previous subadvisor.</p> <p>The Board took into account management's discussion of the fund's expenses.</p> <p>The Board also took into account management's discussion of the fund's peer group.</p>

Appendix A

Portfolio (subadvisors)	Performance of fund, as of 12.31.2019	Fees and expenses	Comments
<p>High Yield Fund (Western Asset Management)</p>	<p>Benchmark Index — The fund outperformed for the one-year period and underperformed for the three-, five-, and ten-year periods.</p> <p>Lipper Category — The fund outperformed the median for the one-, three-, five-, and ten-year periods.</p>	<p>Subadvisory fee comparative data not provided due to limited size of Lipper peer group for this purpose.</p> <p>Net management fees for this fund are higher than the peer group median.</p> <p>Total expenses for this fund are lower than the peer group median.</p>	<p>The Board took into account management's discussion of the fund's performance, including the favorable performance relative to the benchmark index for the one-year period and to the peer group median for the one-, three-, five-, and ten-year periods.</p> <p>The Board took into account management's discussion of the fund's expenses.</p>
<p>U.S. High Yield Bond Fund (Wells Capital Management, Inc.)</p>	<p>Benchmark Index — The fund underperformed for the one-, three-, five- and ten-year periods.</p> <p>Lipper Category — The fund outperformed the median for the three-, five- and ten-year periods and underperformed for the one-year period.</p>	<p>Subadvisory fee comparative data not provided due to limited size of Lipper peer group for this purpose.</p> <p>Net management fees for this fund are higher than the peer group median.</p> <p>Total expenses for this fund are lower than the peer group median</p>	<p>The Board took into account management's discussion of the fund's performance, including the favorable performance relative to the peer group median for the three, five-, and ten-year periods.</p> <p>The Board took into account management's discussion of the fund's expenses.</p>

Statement regarding liquidity risk management

Operation of the Liquidity Risk Management Program

This section describes operation and effectiveness of the Liquidity Risk Management Program (LRMP) established in accordance with Rule 22e-4 under the Investment Company Act of 1940, as amended (the Liquidity Rule). The Board of Trustees (the Board) of each Fund in the John Hancock Group of Funds (each a Fund and collectively, the Funds) that is subject to the requirements of the Liquidity Rule has appointed John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (together, the Advisor) to serve as Administrator of the LRMP with respect to each of the Funds, including Asia Pacific Total Return Bond Fund, Core Bond Fund, High Yield Fund, Opportunistic Fixed Income Fund (formerly Global Bond Fund), and U.S. High Yield Bond Fund, subject to the oversight of the Board. In order to provide a mechanism and process to perform the functions necessary to administer the LRMP, the Advisor established the Liquidity Risk Management Committee (the Committee). The Funds' subadvisor(s), Manulife Investment Management (US) LLC, Wells Capital Management, Incorporated, Western Asset Management Company, LLC, and Wellington Management Company LLP (the Subadvisor), execute the day-to-day investment management and security-level activities of the Fund in accordance with the requirements of the LRMP, subject to the supervision of the Advisor and the Board.

The Committee holds monthly meetings to: (1) review the day-to-day operations of the LRMP; (2) review and approve month end liquidity classifications; (3) review quarterly testing and determinations, as applicable; and (4) review other LRMP related material. The Committee also conducts daily, monthly, quarterly, and annual quantitative and qualitative assessments of each subadvisor to a Fund that is subject to the requirements of the Liquidity Rule and is a part of the LRMP to monitor investment performance issues, risks and trends. In addition, the Committee may conduct ad-hoc reviews and meetings with subadvisors as issues and trends are identified, including potential liquidity and valuation issues.

The Committee provided the Board at a meeting held on March 15-17, 2020 with a written report which addressed the Committee's assessment of the adequacy and effectiveness of the implementation and operation of the LRMP and any material changes to the LRMP. The report, which covered the period December 1, 2018 through December 31, 2019, included an assessment of important aspects of the LRMP including, but not limited to:

- Operation of the Fund's Redemption-In-Kind Procedures;
- Highly Liquid Investment Minimum (HLIM) determination;
- Compliance with the 15% limit on illiquid investments;
- Reasonably Anticipated Trade Size (RATS) determination;
- Security-level liquidity classifications; and
- Liquidity risk assessment.

The report also covered material liquidity matters which occurred or were reported during this period applicable to the Fund, if any, and the Committee's actions to address such matters.

Redemption-In-Kind Procedures

Rule 22e-4 requires any fund that engages in or reserves the right to engage in in-kind redemptions to adopt and implement written policies and procedures regarding in-kind redemptions as part of the management of its liquidity risk. These procedures address the process for redeeming in kind, as well as the circumstances under which the Fund would consider redeeming in kind. Anticipated large redemption activity will be evaluated to identify situations where redeeming in securities instead of cash may be appropriate.

As part of its annual assessment of the LRMP, the Committee reviewed the implementation and operation of the Redemption-In-Kind Procedures and determined they are operating in a manner that such procedures are adequate and effective to manage in-kind redemptions on behalf of the Fund as part of the LRMP.

Highly Liquid Investment Minimum determination

The Committee uses an HLIM model to determine a Fund's HLIM. This process incorporates the Fund's investment strategy, historical redemptions, liquidity classification rollup percentages and cash balances, redemption policy, access to funding sources, distribution channels and client concentrations. If the Fund falls below its established HLIM for a period greater than 7 consecutive calendar days, the Committee prepares a report to the Board within one business day following the seventh consecutive calendar day with an explanation of how the Fund plans to restore its HLIM within a reasonable period of time.

Based on the HLIM model, the Committee has determined that the Fund qualifies as a Primarily Highly Liquid Fund (PHLF). It is therefore not required to establish a HLIM. The Fund is tested quarterly to confirm its PHLF status.

As part of its annual assessment of the LRMP, the Committee reviewed the policies and procedures in place with respect to HLIM and PHLF determinations, and determined that such policies and procedures are operating in a manner that is adequate and effective as part of the LRMP.

Compliance with the 15% limit on illiquid investments

Rule 22e-4 sets an aggregate illiquid investment limit of 15% for a fund. Funds are prohibited from acquiring an illiquid investment if this results in greater than 15% of its net assets being classified as illiquid. When applying this limit, the Committee defines "illiquid investment" to mean any investment that the Fund reasonably expects cannot be sold or disposed of in current market conditions in seven calendar days or less without the sale or disposition significantly changing the market value of the investment. If a 15% illiquid investment limit breach occurs for longer than 1 business day, the Fund is required to notify the Board and provide a plan on how to bring illiquid investments within the 15% threshold, and after 7 days confidentially notify the Securities and Exchange Commission (the SEC).

In February 2019, as a result of extended security markets closures in connection with the Chinese New Year in certain countries, the SEC released guidance, and the Committee approved and adopted an Extended Market Holiday Policy to plan for and monitor known Extended Market Holidays (defined as all expected market holiday closures spanning four or more calendar days).

As part of its annual assessment of the LRMP, the Committee reviewed the policies and procedures in place with respect to the 15% illiquid investment limit and determined such policies and procedures are operating in a manner that is adequate and effective as part of the LRMP.

Reasonably Anticipated Trade Size determination

In order to assess the liquidity risk of a Fund, the Committee considers the impact on the Fund that redemptions of a RATS would have under both normal and reasonably foreseeable stressed conditions. Modelling the Fund's RATS requires quantifying cash flow volatility and analyzing distribution channel concentration and redemption risk. The model is designed to estimate the amount of assets that the Fund could reasonably anticipate trading on a given day, during both normal and reasonably foreseeable stressed conditions, to satisfy redemption requests.

As part of its annual assessment of the LRMP, the Committee reviewed the policies and procedures in place with respect to RATS determinations and determined that such policies and procedures are operating in a manner that is adequate and effective at making RATS determinations as part of the LRMP.

Security-level liquidity classifications

When classifying the liquidity of portfolio securities, the Fund adheres to the liquidity classification procedures established by the Advisor. In assigning a liquidity classification to Fund portfolio holdings, the following key inputs, among others, are considered: the Fund's RATS, feedback from the applicable Subadvisor on market-, trading- and investment-specific considerations, an assessment of current market conditions and fund portfolio holdings, and a value

Statement regarding liquidity risk management

impact standard. The Subadvisor also provides position-level data to the Committee for use in monthly classification reconciliation in order to identify any classifications that may need to be changed as a result of the above considerations.

As part of its annual assessment of the LRMP, the Committee reviewed the policies and procedures in place with respect to security-level liquidity classifications and determined that such policies and procedures are operating in a manner that is adequate and effective as part of the LRMP.

Liquidity risk assessment

The Committee periodically reviews and assesses, the Fund's liquidity risk, including its investment strategy and liquidity of portfolio investments during both normal and reasonably foreseeable stressed conditions (including whether the investment strategy is appropriate for an open-end fund, the extent to which the strategy involves a relatively concentrated portfolio or large positions in particular issuers, and the use of borrowings for investment purposes and derivatives), cash flow analysis during both normal and reasonably foreseeable stressed

conditions, and holdings of cash and cash equivalents, as well as borrowing arrangements and other funding sources.

The Committee also monitors global events, such as the COVID-19 Coronavirus, that could impact the markets and liquidity of portfolio investments and their classifications.

As part of its annual assessment of the LRMP, the Committee reviewed Fund-Level Liquidity Risk Assessment Reports for each of the Funds and determined that the investment strategy for each Fund continues to be appropriate for an open-ended structure.

Adequacy and Effectiveness

Based on the review and assessment conducted by the Committee, the Committee has determined that the LRMP has been implemented, and is operating in a manner that is adequate and effective at assessing and managing the liquidity risk of each Fund.

Trustees and officers information

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

INDEPENDENT TRUSTEES

Name, Year of Birth	Position with the Trust ¹	Principal Occupation(s) and Other Directorships During Past Five Years
Hassell H. McClellan Born: 1945	Trustee (since 2005) and Chairperson of the Board (since 2017)	Director/Trustee, Virtus Funds (since 2008); Director, The Barnes Group (since 2010); Associate Professor, The Wallace E. Carroll School of Management, Boston College (retired 2013). Trustee (since 2005) and Chairperson of the Board (since 2017) of various trusts within the John Hancock Fund Complex.
Charles L. Bardelis ² Born: 1941	Trustee (since 2005)	Director, Island Commuter Corp. (marine transport). Trustee of various trusts within the John Hancock Fund Complex (since 1988).
James R. Boyle Born: 1959	Trustee (since 2015)	Chief Executive Officer, Foresters Financial (since 2018); Chairman and Chief Executive Officer, Zillion Group, Inc. (formerly HealthFleet, Inc.) (healthcare) (2014–2018); 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, President and Chief Executive Officer, John Hancock (1999–2012); Chairman and Director, John Hancock Investment Management LLC, John Hancock Investment Management Distributors LLC, and John Hancock Variable Trust Advisers LLC (2005–2010). Trustee of various trusts within the John Hancock Fund Complex (2005–2014 and since 2015).
Peter S. Burgess ² Born: 1942	Trustee (since 2005)	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 of various trusts within the John Hancock Fund Complex (since 2005).
William H. Cunningham Born: 1944	Trustee (since 2012 and 2005-2006)	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 of various trusts within the John Hancock Fund Complex (since 1986).
Grace K. Fey Born: 1946	Trustee (since 2008)	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 of various trusts within the John Hancock Fund Complex (since 2008).

Trustees and officers information

Name, Year of Birth	Position with the Trust ¹	Principal Occupation(s) and Other Directorships During Past Five Years
Deborah C. Jackson Born: 1952	Trustee (since 2012)	<p>President, Cambridge College, Cambridge, Massachusetts (since 2011); Board of Directors, Massachusetts Women's Forum (since 2018); Board of Directors, National Association of Corporate Directors/New England (since 2015); Board of Directors, Association of Independent Colleges and Universities of Massachusetts (2014–2017); 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).</p> <p>Trustee of various trusts within the John Hancock Fund Complex (since 2008).</p>
James M. Oates² Born: 1946	Trustee (since 2005)	<p>Managing Director, Wydown Group (financial consulting firm) (since 1994); Chairman and Director, Emerson Investment Management, Inc. (2000–2015); 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/Trustee, Virtus Funds (since 1988).</p> <p>Trustee (since 2004) and Chairperson of the Board (2005–2016) of various trusts within the John Hancock Fund Complex.</p>
Steven R. Pruchansky Born: 1944	Trustee and Vice Chairperson of the Board (since 2012)	<p>Managing Director, Pru Realty (since 2017); Chairman and Chief Executive Officer, Greenscapes of Southwest Florida, Inc. (2000–2014); 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 (2014–2017); Director, First Signature Bank & Trust Company (until 1991); Director, Mast Realty Trust (until 1994); President, Maxwell Building Corp. (until 1991).</p> <p>Trustee (since 1992), Chairperson of the Board (2011–2012), and Vice Chairperson of the Board (since 2012) of various trusts within the John Hancock Fund Complex.</p>
Frances G. Rathke^{2,*} Born: 1960	Trustee (since 2020)	<p>Director, Northern New England Energy Corporation (since 2017); Director, Audit Committee Chair and Compensation Committee Member, Green Mountain Power Corporation (since 2016); Director, Treasurer and Finance & Audit Committee Chair, Flynn Center for Performing Arts (since 2016); Director, Audit Committee Chair and Compensation Committee Member, Planet Fitness (since 2016); Director, Citizen Cider, Inc. (high-end hard cider and hard seltzer company) (since 2016); Chief Financial Officer and Treasurer, Keurig Green Mountain, Inc. (2003-retired 2015); Independent Financial Consultant, Frances Rathke Consulting (strategic and financial consulting services) (2001–2003); Chief Financial Officer and Secretary, Ben & Jerry's Homemade, Inc. (1989–2000, including prior positions); Senior Manager, Coopers & Lybrand, LLC (independent public accounting firm) (1982–1989).</p> <p>Trustee of various trusts within the John Hancock Fund Complex (since 2020).</p>

Trustees and officers information

Name, Year of Birth	Position with the Trust ¹	Principal Occupation(s) and Other Directorships During Past Five Years
Gregory A Russo Born: 1949	Trustee (since 2012)	Director and Audit Committee Chairman (since 2012), and Member, Audit Committee and Finance Committee (2011–2020), NCH Healthcare System, Inc. (holding company for multi-entity healthcare system); Director and Member (2012–2018), and Finance Committee Chairman (2014–2018), 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 of various trusts within the John Hancock Fund Complex (since 2008).

NON-INDEPENDENT TRUSTEES³

Name, Year of Birth	Position with the Trust ¹	Principal Occupation(s) and Other Directorships During Past Five Years
Andrew G. Arnott Born: 1971	President and Non-Independent Trustee (Since 2017)	Head of Wealth and Asset Management, United States and Europe, for John Hancock and Manulife (since 2018); Executive Vice President, John Hancock Financial Services (since 2009, including prior positions); Director and Executive Vice President, John Hancock Investment Management LLC (since 2005, including prior positions); Director and Executive Vice President, John Hancock Variable Trust Advisers LLC (since 2006, including prior positions); President, John Hancock Investment Management Distributors LLC (since 2004, including prior positions); President of various trusts within the John Hancock Fund Complex (since 2007, including prior positions). Trustee of various trusts within the John Hancock Fund Complex (since 2017).
Marianne Harrison Born: 1963	Non-Independent Trustee (since 2018)	President and CEO, John Hancock (since 2017); President and CEO, Manulife Canadian Division (2013–2017); Member, Board of Directors, CAE Inc. (since 2019); Member, Board of Directors, MA Competitive Partnership Board (since 2018); Member, Board of Directors, American Council of Life Insurers (ACLI) (since 2018); Member, Board of Directors, Communitech, an industry-led innovation center that fosters technology companies in Canada (2017–2019); Member, Board of Directors, Manulife Assurance Canada (2015–2017); Board Member, St. Mary's General Hospital Foundation (2014–2017); Member, Board of Directors, Manulife Bank of Canada (2013–2017); Member, Standing Committee of the Canadian Life & Health Assurance Association (2013–2017); Member, Board of Directors, John Hancock USA, John Hancock Life & Health, John Hancock New York (2012–2013). Trustee of various trusts within the John Hancock Fund Complex (since 2018).

Trustees and officers information

PRINCIPAL OFFICERS WHO ARE NOT TRUSTEES

Name, Year of Birth	Position with the Trust	Principal Occupation(s) and Other Directorships During Past Five Years
Charles A. Rizzo Born: 1957	Chief Financial Officer (since 2007)	Vice President, John Hancock Financial Services (since 2008); Senior Vice President, John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (since 2008); Chief Financial Officer of various trusts within the John Hancock Fund Complex (since 2007).
Salvatore Schiavone Born: 1965	Treasurer (2007-2009 and since 2010, including prior positions)	Assistant Vice President, John Hancock Financial Services (since 2007); Vice President, John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (since 2007); Treasurer of various trusts within the John Hancock Fund Complex (since 2007, including prior positions).
Christopher (Kit) Sechler Born: 1973	Chief Legal Officer and Secretary (since 2018)	Vice President and Deputy Chief Counsel, John Hancock Investments (since 2015); Assistant Vice President and Senior Counsel (2009 -2015), John Hancock Investment Management; Chief Legal Officer and Secretary of various trusts within the John Hancock Fund Complex (since 2018); Assistant Secretary of John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (since 2009).
Trevor Swanberg Born: 1979	Chief Compliance Officer (since 2020)	Chief Compliance Officer, various trusts within the John Hancock Fund Complex, John Hancock Investment Management LLC, and John Hancock Variable Trust Advisers LLC (since 2020); Deputy Chief Compliance Officer, various trusts within the John Hancock Fund Complex (2018–2020); Deputy Chief Compliance Officer, John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (2019–2020); Assistant Chief Compliance Officer, various trusts within the John Hancock Fund Complex (2016–2018); Assistant Chief Compliance Officer, John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (2016–2019); Vice President, State Street Global Advisors (2015–2016).

¹ Each Trustee holds office until his or her successor is elected and qualified, or until the Trustee's death, retirement, resignation, or removal. Mr. Boyle has served as Trustee at various times prior to the date listed in the table.

² Member of the Audit Committee.

³ The Trustee is a Non-Independent Trustee due to current or former positions with the Advisor and certain affiliates.

* Appointed as Independent Trustee effective as of September 15, 2020.

The business address for all Trustees and Officers is 200 Berkeley Street, Boston, Massachusetts 02116-5010.

The Statement of Additional Information of the fund includes additional information about members of the Board of Trustees of the Trust and is available without charge, upon request, by calling 1-800-225-5291.

John Hancock Funds II

For more information

The Statement of Additional Information, a separate document with supplemental information not contained in the prospectus, includes additional information on the Board of Trustees and can be obtained without charge by calling 800-344-1029 or on the Securities and Exchange Commission (SEC) website at sec.gov.

PROXY VOTING POLICY A description of the trust's proxy voting policies and procedures and information regarding how the trust voted proxies relating to portfolio securities during the most recent twelve-month period ended June 30 is available without charge, upon request, by calling 800-344-1029 or on the SEC website at sec.gov.

QUARTERLY PORTFOLIO DISCLOSURE The Trust's complete schedule of portfolio holdings as of the end of the third month of every fiscal quarter are filed with the SEC on Form N-PORT within 60 days of the end of the fiscal quarter. N-PORT filings are available on our website and the SEC's website, sec.gov.

The report is certified under the Sarbanes-Oxley Act, which requires mutual 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.

Management of the trust

Trustees

Hassell H. McClellan, Chairperson
Steven R. Pruchansky, Vice Chairperson
Andrew G. Arnott†
Charles L. Bardelis*
James R. Boyle
Peter S. Burgess*
William H. Cunningham
Grace K. Fey
Marianne Harrison†
Deborah C. Jackson
James M. Oates*
Frances G. Rathke¹
Gregory A. Russo

Officers

Andrew G. Arnott, President
Charles A. Rizzo, Chief Financial Officer
Salvatore Schiavone, Treasurer
Christopher (Kit) Sechler, Secretary and
Chief Legal Officer
Trevor Swanberg², Chief Compliance Officer

* Member of the Audit Committee

† Non-Independent Trustee

¹ Appointed as Independent Trustee effective as of
September 15, 2020

² Effective July 31, 2020

Principal distributor

John Hancock Investment
Management Distributors LLC

Custodians

Citibank, N.A.
State Street Bank and Trust Company

Legal counsel

K&L Gates LLP

Investment advisor

John Hancock Investment Management LLC
Boston, Massachusetts

 Investment Management

200 Berkeley Street
Boston MA 02116-5010