

Annual Financial Statements &
Other N-CSR Items

John Hancock Alternative Asset Allocation Fund

Alternative

August 31, 2024

John Hancock Alternative Asset Allocation Fund

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Fund's investments

AS OF 8-31-24

	Shares	Value
Affiliated investment companies (A) 58.3%		\$458,676,236
(Cost \$423,551,717)		
Absolute return strategies 33.3%		262,205,940
Diversified Macro, Class NAV, JHIT (Graham)	6,282,705	56,544,348
Multi-Asset Absolute Return, Class NAV, JHF II (NIMNAI) (B)	9,749,265	103,634,688
NYLI Merger Arbitrage ETF (C)(D)	953,897	31,221,049
The Arbitrage Fund, Class I (C)	5,240,996	70,805,855
Alternative investment approaches 18.6%		146,594,410
Seaport Long/Short, Class NAV, JHIT (Wellington)	6,812,389	85,495,476
Strategic Income Opportunities, Class NAV, JHF II (MIM US) (E)	6,043,416	61,098,934
Alternative markets 6.4%		49,875,886
Infrastructure, Class NAV, JHIT (Wellington)	2,387,088	36,116,636
Invesco DB Precious Metals Fund (C)	227,729	13,759,250
Unaffiliated investment companies 37.7%		\$297,117,497
(Cost \$268,157,204)		
Absolute return strategies 22.7%		179,078,670
Calamos Market Neutral Income Fund	4,388,442	65,036,706
Victory Market Neutral Income Fund	8,780,317	74,369,281
Virtus AlphaSimplex Managed Futures Strategy Fund	4,427,755	39,672,683
Alternative investment approaches 12.5%		98,454,908
JPMorgan Hedged Equity Fund	3,058,556	98,454,908
Alternative markets 2.5%		19,583,919
Invesco Optimum Yield Diversified Commodity Strategy No K-1 ETF (D)	718,658	9,586,898
Vanguard Real Estate ETF	105,088	9,997,021
	Yield (%)	Shares
Short-term investments 5.1%		\$40,255,662
(Cost \$40,235,624)		
Short-term funds 5.1%		40,255,662
John Hancock Collateral Trust (F)	5.2747(G)	4,025,727
		40,255,662
Total investments (Cost \$731,944,545) 101.1%		\$796,049,395
Other assets and liabilities, net (1.1%)		(8,519,466)
Total net assets 100.0%		\$787,529,929

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

Security Abbreviations and Legend

JHF II John Hancock Funds II

JHIT John Hancock Investment Trust

- (A) The underlying funds' subadvisor is shown parenthetically.
- (B) Non-income producing.
- (C) The fund owns 5% or more of the outstanding voting shares of the issuer and the security is considered an affiliate of the fund. For more information on this security refer to the Notes to financial statements.
- (D) All or a portion of this security is on loan as of 8-31-24.
- (E) The subadvisor is an affiliate of the advisor.
- (F) Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending. Market value of this investment amounted to \$8,948,856.
- (G) The rate shown is the annualized seven-day yield as of 8-31-24.

At 8-31-24, the aggregate cost of investments for federal income tax purposes was \$749,744,024. Net unrealized appreciation aggregated to \$46,305,371, of which \$55,285,827 related to gross unrealized appreciation and \$8,980,456 related to gross unrealized depreciation.

Subadvisors of Affiliated Underlying Funds

Graham Capital Management, L.P.	(Graham)
Manulife Investment Management (US) LLC	(MIM US)
Nordea Investment Management North America, Inc.	(NIMNAI)
Wellington Management Company LLP	(Wellington)

Financial statements

STATEMENT OF ASSETS AND LIABILITIES 8-31-24

Assets	
Unaffiliated investments, at value (Cost \$268,157,204) including \$10,109,825 of securities loaned	\$297,117,497
Affiliated investments, at value (Cost \$463,787,341)	498,931,898
Total investments, at value (Cost \$731,944,545)	796,049,395
Dividends and interest receivable	334,281
Receivable for fund shares sold	1,345,352
Receivable for investments sold	5,622
Receivable for securities lending income	5,389
Receivable from affiliates	7,638
Other assets	101,574
Total assets	797,849,251
Liabilities	
Due to custodian	84,509
Payable for investments purchased	336,547
Payable for fund shares repurchased	713,596
Payable upon return of securities loaned	8,967,318
Payable to affiliates	
Accounting and legal services fees	25,488
Transfer agent fees	70,393
Distribution and service fees	142
Trustees' fees	752
Other liabilities and accrued expenses	120,577
Total liabilities	10,319,322
Net assets	\$787,529,929
Net assets consist of	
Paid-in capital	\$767,243,306
Total distributable earnings (loss)	20,286,623
Net assets	\$787,529,929

STATEMENT OF ASSETS AND LIABILITIES 8-31-24 (continued)

Net asset value per share	
Based on net asset value and shares outstanding - the fund has an unlimited number of shares authorized with no par value	
Class A (\$57,411,872 ÷ 3,596,701 shares) ¹	\$15.96
Class C (\$4,880,811 ÷ 305,761 shares) ¹	\$15.96
Class I (\$694,480,168 ÷ 43,420,245 shares)	\$15.99
Class R2 (\$622,321 ÷ 39,045 shares)	\$15.94
Class R4 (\$140,831 ÷ 8,800 shares)	\$16.00
Class R6 (\$29,993,926 ÷ 1,873,471 shares)	\$16.01
Maximum offering price per share	
Class A (net asset value per share ÷ 95%) ²	\$16.80

¹ Redemption price per share is equal to net asset value less any applicable contingent deferred sales charge.
² On single retail sales of less than \$50,000. On sales of \$50,000 or more and on group sales the offering price is reduced.

STATEMENT OF OPERATIONS For the year ended 8-31-24

Investment income	
Dividends from affiliated investments	\$9,997,767
Dividends	6,425,886
Securities lending	50,039
Total investment income	16,473,692
Expenses	
Investment management fees	3,532,623
Distribution and service fees	245,174
Accounting and legal services fees	154,675
Transfer agent fees	865,942
Trustees' fees	17,919
Custodian fees	39,197
State registration fees	134,813
Printing and postage	73,982
Professional fees	90,388
Other	52,349
Total expenses	5,207,062
Less expense reductions	(1,422,795)
Net expenses	3,784,267
Net investment income	12,689,425
Realized and unrealized gain (loss)	
Net realized gain (loss) on	
Unaffiliated investments	1,215,623
Affiliated investments	(5,656,549)
Capital gain distributions received from unaffiliated investments	1,806,576
Capital gain distributions received from affiliated investments	2,585,271
	(49,079)
Change in net unrealized appreciation (depreciation) of	
Unaffiliated investments	10,618,528
Affiliated investments	34,921,459
	45,539,987
Net realized and unrealized gain	45,490,908
Increase in net assets from operations	\$58,180,333

STATEMENTS OF CHANGES IN NET ASSETS

	Year ended 8-31-24	Year ended 8-31-23
Increase (decrease) in net assets		
From operations		
Net investment income	\$12,689,425	\$20,739,742
Net realized gain (loss)	(49,079)	7,875,194
Change in net unrealized appreciation (depreciation)	45,539,987	3,055,803
Increase in net assets resulting from operations	58,180,333	31,670,739
Distributions to shareholders		
From earnings		
Class A	(1,002,053)	(2,173,302)
Class C	(67,664)	(198,996)
Class I	(12,983,785)	(20,633,976)
Class R2	(19,758)	(27,745)
Class R4	(2,363)	(3,724)
Class R6	(626,428)	(924,684)
Total distributions	(14,702,051)	(23,962,427)
From fund share transactions	(14,121,761)	108,938,502
Total increase	29,356,521	116,646,814
Net assets		
Beginning of year	758,173,408	641,526,594
End of year	\$787,529,929	\$758,173,408

Financial highlights

CLASS A SHARES Period ended	8-31-24	8-31-23	8-31-22	8-31-21	8-31-20
Per share operating performance					
Net asset value, beginning of period	\$15.10	\$14.98	\$15.70	\$14.57	\$14.66
Net investment income ^{1,2}	0.21	0.40	0.23	0.07	0.09
Net realized and unrealized gain (loss) on investments	0.91	0.16	(0.69)	1.17	0.31
Total from investment operations	1.12	0.56	(0.46)	1.24	0.40
Less distributions					
From net investment income	(0.20)	(0.34)	(0.24)	(0.03)	(0.27)
From net realized gain	(0.06)	(0.10)	(0.02)	(0.08)	(0.22)
Total distributions	(0.26)	(0.44)	(0.26)	(0.11)	(0.49)
Net asset value, end of period	\$15.96	\$15.10	\$14.98	\$15.70	\$14.57
Total return (%)^{3,4}	7.51	3.86	(2.95)	8.55	2.74
Ratios and supplemental data					
Net assets, end of period (in millions)	\$57	\$60	\$73	\$68	\$62
Ratios (as a percentage of average net assets):					
Expenses before reductions ⁵	0.95	0.95	0.90	0.88	0.88
Expenses including reductions ⁵	0.76	0.76	0.72	0.66	0.66
Net investment income ²	1.39	2.69	1.47	0.47	0.63
Portfolio turnover (%)	24	30	13	25	37

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the fund invests.

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

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the fund.

CLASS C SHARES Period ended	8-31-24	8-31-23	8-31-22	8-31-21	8-31-20
Per share operating performance					
Net asset value, beginning of period	\$15.10	\$14.98	\$15.70	\$14.58	\$14.67
Net investment income (loss) ^{1,2}	0.12	0.29	0.13	(0.03)	(0.01)
Net realized and unrealized gain (loss) on investments	0.89	0.16	(0.69)	1.16	0.31
Total from investment operations	1.01	0.45	(0.56)	1.13	0.30
Less distributions					
From net investment income	(0.09)	(0.23)	(0.14)	—	(0.17)
From net realized gain	(0.06)	(0.10)	(0.02)	(0.01)	(0.22)
Total distributions	(0.15)	(0.33)	(0.16)	(0.01)	(0.39)
Net asset value, end of period	\$15.96	\$15.10	\$14.98	\$15.70	\$14.58
Total return (%)^{3,4}	6.77	3.11	(3.62)	7.77	2.04
Ratios and supplemental data					
Net assets, end of period (in millions)	\$5	\$7	\$11	\$17	\$31
Ratios (as a percentage of average net assets):					
Expenses before reductions ⁵	1.65	1.65	1.60	1.58	1.58
Expenses including reductions ⁵	1.46	1.46	1.41	1.36	1.36
Net investment income (loss) ²	0.76	1.93	0.86	(0.21)	(0.06)
Portfolio turnover (%)	24	30	13	25	37

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the fund invests.

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

⁴ Does not reflect the effect of sales charges, if any.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the fund.

CLASS I SHARES Period ended	8-31-24	8-31-23	8-31-22	8-31-21	8-31-20
Per share operating performance					
Net asset value, beginning of period	\$15.13	\$15.01	\$15.73	\$14.59	\$14.68
Net investment income ^{1,2}	0.26	0.43	0.26	0.12	0.14
Net realized and unrealized gain (loss) on investments	0.90	0.17	(0.67)	1.17	0.30
Total from investment operations	1.16	0.60	(0.41)	1.29	0.44
Less distributions					
From net investment income	(0.24)	(0.38)	(0.29)	(0.07)	(0.31)
From net realized gain	(0.06)	(0.10)	(0.02)	(0.08)	(0.22)
Total distributions	(0.30)	(0.48)	(0.31)	(0.15)	(0.53)
Net asset value, end of period	\$15.99	\$15.13	\$15.01	\$15.73	\$14.59
Total return (%)³	7.81	4.17	(2.66)	8.92	3.04
Ratios and supplemental data					
Net assets, end of period (in millions)	\$694	\$660	\$529	\$374	\$347
Ratios (as a percentage of average net assets):					
Expenses before reductions ⁴	0.65	0.65	0.60	0.58	0.58
Expenses including reductions ⁴	0.46	0.46	0.42	0.36	0.36
Net investment income ²	1.66	2.90	1.67	0.76	0.95
Portfolio turnover (%)	24	30	13	25	37

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the fund invests.

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

⁴ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the fund.

CLASS R2 SHARES Period ended	8-31-24	8-31-23	8-31-22	8-31-21	8-31-20
Per share operating performance					
Net asset value, beginning of period	\$15.08	\$14.95	\$15.67	\$14.55	\$14.64
Net investment income ^{1,2}	0.17	0.25	0.22	0.06	0.08
Net realized and unrealized gain (loss) on investments	0.94	0.30	(0.69)	1.16	0.31
Total from investment operations	1.11	0.55	(0.47)	1.22	0.39
Less distributions					
From net investment income	(0.19)	(0.32)	(0.23)	(0.02)	(0.26)
From net realized gain	(0.06)	(0.10)	(0.02)	(0.08)	(0.22)
Total distributions	(0.25)	(0.42)	(0.25)	(0.10)	(0.48)
Net asset value, end of period	\$15.94	\$15.08	\$14.95	\$15.67	\$14.55
Total return (%)³	7.43	3.82	(3.04)	8.41	2.65
Ratios and supplemental data					
Net assets, end of period (in millions)	\$1	\$3	\$1	\$1	\$1
Ratios (as a percentage of average net assets):					
Expenses before reductions ⁴	1.04	1.04	0.99	0.95	0.96
Expenses including reductions ⁴	0.85	0.85	0.81	0.74	0.75
Net investment income ²	1.13	1.67	1.45	0.38	0.54
Portfolio turnover (%)	24	30	13	25	37

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the fund invests.

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

⁴ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the fund.

CLASS R4 SHARES Period ended	8-31-24	8-31-23	8-31-22	8-31-21	8-31-20
Per share operating performance					
Net asset value, beginning of period	\$15.14	\$15.01	\$15.73	\$14.60	\$14.69
Net investment income ^{1,2}	0.24	0.41	0.21	0.10	0.07
Net realized and unrealized gain (loss) on investments	0.90	0.18	(0.64)	1.16	0.35
Total from investment operations	1.14	0.59	(0.43)	1.26	0.42
Less distributions					
From net investment income	(0.22)	(0.36)	(0.27)	(0.05)	(0.29)
From net realized gain	(0.06)	(0.10)	(0.02)	(0.08)	(0.22)
Total distributions	(0.28)	(0.46)	(0.29)	(0.13)	(0.51)
Net asset value, end of period	\$16.00	\$15.14	\$15.01	\$15.73	\$14.60
Total return (%)³	7.66	4.06	(2.78)	8.70	2.91
Ratios and supplemental data					
Net assets, end of period (in millions)	\$— ⁴	\$— ⁴	\$— ⁴	\$— ⁴	\$— ⁴
Ratios (as a percentage of average net assets):					
Expenses before reductions ⁵	0.88	0.89	0.84	0.83	0.81
Expenses including reductions ⁵	0.60	0.60	0.56	0.51	0.50
Net investment income ²	1.53	2.75	1.41	0.68	0.45
Portfolio turnover (%)	24	30	13	25	37

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the fund invests.

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

⁴ Less than \$500,000.

⁵ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the fund.

CLASS R6 SHARES Period ended	8-31-24	8-31-23	8-31-22	8-31-21	8-31-20
Per share operating performance					
Net asset value, beginning of period	\$15.14	\$15.02	\$15.74	\$14.60	\$14.69
Net investment income ^{1,2}	0.28	0.45	0.27	0.13	0.14
Net realized and unrealized gain (loss) on investments	0.91	0.17	(0.66)	1.18	0.32
Total from investment operations	1.19	0.62	(0.39)	1.31	0.46
Less distributions					
From net investment income	(0.26)	(0.40)	(0.31)	(0.09)	(0.33)
From net realized gain	(0.06)	(0.10)	(0.02)	(0.08)	(0.22)
Total distributions	(0.32)	(0.50)	(0.33)	(0.17)	(0.55)
Net asset value, end of period	\$16.01	\$15.14	\$15.02	\$15.74	\$14.60
Total return (%)³	7.98	4.25	(2.55)	9.02	3.15
Ratios and supplemental data					
Net assets, end of period (in millions)	\$30	\$28	\$27	\$21	\$22
Ratios (as a percentage of average net assets):					
Expenses before reductions ⁴	0.53	0.54	0.49	0.48	0.46
Expenses including reductions ⁴	0.35	0.35	0.31	0.26	0.25
Net investment income ²	1.82	2.99	1.74	0.88	1.01
Portfolio turnover (%)	24	30	13	25	37

¹ Based on average daily shares outstanding.

² Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the fund invests.

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

⁴ Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the fund.

Notes to financial statements

Note 1 — Organization

John Hancock Alternative Asset Allocation Fund (the fund) is a series of John Hancock Funds II (the Trust), an open-end management investment company organized as a Massachusetts business trust and registered under the Investment Company Act of 1940, as amended (the 1940 Act). The investment objective of the fund is to seek long-term growth of capital.

The fund operates as a “fund of funds”, investing in affiliated underlying funds of the Trust, other series of the Trust, other funds in John Hancock group of funds complex, non-John Hancock funds and certain other permitted investments.

The fund may offer multiple classes of shares. The shares currently outstanding are detailed in the Statement of assets and liabilities. Class A and Class C shares are offered to all investors. Class I shares are offered to institutions and certain investors. Class R2 and Class R4 shares are available only to certain retirement and 529 plans. Class R6 shares are only available to certain retirement plans, institutions and other investors. Class C shares convert to Class A shares eight years after purchase (certain exclusions may apply). 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.

The accounting policies of the underlying funds in which the fund invests are outlined in the underlying funds’ shareholder reports, which include the underlying funds’ financial statements. These are available on the Securities and Exchange Commission (SEC) website at sec.gov. John Hancock underlying funds’ shareholder reports are also available without charge by calling 800-225-5291 or visiting jhinvestments.com. The underlying funds are not covered by this report.

Note 2 — Significant accounting policies

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

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

Security valuation. Investments are stated at value as of the scheduled close of regular trading on the New York Stock Exchange (NYSE), normally at 4:00 P.M., Eastern Time. In case of emergency or other disruption resulting in the NYSE not opening for trading or the NYSE closing at a time other than the regularly scheduled close, the net asset value (NAV) may be determined as of the regularly scheduled close of the NYSE pursuant to the Valuation Policies and Procedures of the Advisor, John Hancock Investment Management LLC.

In order to value the securities, the fund uses the following valuation techniques: Investments by the fund in underlying affiliated funds and other open-end mutual funds, including John Hancock Collateral Trust (JHCT), are valued at their respective NAVs each business day. ETFs held by the fund are 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.

In certain instances, the Pricing Committee of the Advisor 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 Pricing Committee following procedures established by the Advisor and adopted by the Board of Trustees. The frequency with which these fair valuation procedures are used cannot be predicted and fair value of securities may differ significantly from the value that would have been used had a ready market for such securities existed.

The fund uses a three tier hierarchy to prioritize the pricing assumptions, referred to as inputs, used in valuation techniques to measure fair value. Level 1 includes securities valued using quoted prices in active markets for identical securities, 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 Advisor's 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.

As of August 31, 2024, all investments are categorized as Level 1 under the hierarchy described above.

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. Capital gain distributions from underlying funds are recorded on ex-date and reflected as realized gains. Dividend income is recorded on 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. Return of capital distributions from underlying funds, if any, are treated as a reduction of cost.

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

The fund has 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 fund 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 fund 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. During the existence of the loan, the fund will receive from the borrower amounts equivalent to any dividends, interest or other distributions on the loaned securities, as well as interest on such amounts. The fund receives compensation for lending its 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 fund 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 Statement of operations.

Obligations to repay collateral received by the fund are shown on the Statement of assets and liabilities as Payable upon return of securities loaned and are secured by the loaned securities. As of August 31, 2024, the fund loaned securities valued at \$10,109,825 and received \$8,967,318 of cash collateral.

In addition, non-cash collateral of approximately \$1,386,399 in the form of U.S. Treasuries was pledged to the fund. This non-cash collateral is not reflected in the fund's net assets, however could be sold by the securities lending agent in the event of default by the borrower.

Overdraft. The fund 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 fund's custodian agreement, the custodian may loan money to the fund to make properly authorized payments. The fund is 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 are presented under the caption Due to custodian in the Statement of assets and liabilities.

Line of credit. The fund and other affiliated funds 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, which is in effect through July 14, 2025 unless extended or renewed. Excluding commitments designated for a certain fund and subject to the needs of all other affiliated funds, the fund can borrow up to an aggregate commitment amount of \$750 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 the 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 Statement of operations. For the year ended August 31, 2024, the fund had no borrowings under the line of credit. Commitment fees for the year ended August 31, 2024 were \$5,958.

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.

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

For federal income tax purposes, as of August 31, 2024, the fund has a short-term capital loss carryforward of \$11,724,443 and a long-term capital loss carryforward of \$17,914,782 available to offset future net realized capital gains. These carryforwards do not expire.

As of August 31, 2024, the fund had no uncertain tax positions that would require financial statement recognition, derecognition or disclosure. The fund's federal tax returns are subject to examination by the Internal Revenue Service for a period of three years.

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

The tax character of distributions for the years ended August 31, 2024 and 2023 was as follows:

	August 31, 2024	August 31, 2023
Ordinary income	\$14,702,051	\$23,962,427

Distributions paid by the fund 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, 2024, the components of distributable earnings on a tax basis consisted of \$3,620,477 of undistributed ordinary income.

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

Capital accounts within the financial statements are adjusted for permanent book-tax differences at fiscal year end. 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 partnerships and wash sale loss deferrals.

Note 3 — 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 fund. Additionally, in the normal course of business, the fund enters into contracts with service providers that contain general indemnification clauses. The fund's maximum exposure under these arrangements is unknown, as this would involve future claims that may be made against the fund that have not yet occurred. The risk of material loss from such claims is considered remote.

Note 4 — Fees and transactions with affiliates

John Hancock Investment Management LLC (the Advisor) serves as investment advisor for the fund. John Hancock Investment Management Distributors LLC (the Distributor), an affiliate of the Advisor, serves as principal underwriter of the fund. The Advisor and the Distributor are indirect, principally owned subsidiaries of John Hancock Life Insurance Company (U.S.A.), which in turn is a subsidiary of Manulife Financial Corporation.

Management fee. The fund pays the Advisor a management fee for its services to the fund. The Advisor has a subadvisory agreement with Manulife Investment Management (US) LLC, an indirectly owned subsidiary of Manulife Financial Corporation and an affiliate of the Advisor. The fund is not responsible for payment of the subadvisory fees.

The management fee has two components: (1) a fee on assets invested in a fund of the Trust or John Hancock Funds III (JHF III); and (2) a fee on assets invested in investments other than a fund of the Trust or JHF III (Other assets).

Management fees are determined in accordance with the following schedule:

	First \$5.0 billion of average net assets	Excess over \$5.0 billion of average net assets
Assets in a fund of the Trust or JHF III	0.100%	0.075%
Other assets	0.550%	0.525%

The Advisor has contractually agreed to reduce its management fee and/or make payment to the fund in an amount equal to the amount by which “Other expenses” of the fund exceed 0.04% of the average net assets of the fund. “Other expenses” means all of the expenses of the fund, excluding: management fees, taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund’s business, class specific expenses, underlying fund expenses (acquired fund fees), and short dividend expense. The current expense limitation agreement expires on December 31, 2024, 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.

The Advisor has contractually agreed to reduce its management fee by 0.05% of the fund’s average daily net assets up to \$5 billion, and by 0.025% of the fund’s average daily net assets over \$5 billion. The current expense limitation agreement expires on December 31, 2024, 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.

The Advisor has also contractually agreed to waive its management fee for the fund so that the aggregate advisory fee retained by the Advisor with respect to both the fund and its underlying investments (after payment of subadvisory fees) does not exceed 0.55% of the fund’s first \$5 billion of average daily net assets and 0.525% of the fund’s average daily net assets in excess of \$5 billion. This agreement expires on December 31, 2024, 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.

For the year ended August 31, 2024, the expense reductions described above amounted to the following:

Class	Expense reduction	Class	Expense reduction
Class A	\$108,145	Class R4	\$239
Class C	11,251	Class R6	54,142
Class I	1,246,331	Total	\$1,422,665
Class R2	2,557		

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, 2024, were equivalent to a net annual effective rate of 0.27% of the fund’s average daily net assets.

Accounting and legal services. Pursuant to a service agreement, the fund reimburses the Advisor for all expenses associated with providing the administrative, financial, legal, compliance, accounting and recordkeeping services to the fund, including the preparation of all tax returns, periodic reports to shareholders and regulatory reports, among other services. These 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, 2024, amounted to an annual rate of 0.02% of the fund’s average daily net assets.

Distribution and service plans. The fund has a distribution agreement with the Distributor. The fund has 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 fund. In addition, under a service plan for certain classes as detailed below, the fund pays for certain other services. The fund 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 fund’s shares:

Class	Rule 12b-1 Fee	Service fee
Class A	0.30%	—
Class C	1.00%	—
Class R2	0.25%	0.25%
Class R4	0.25%	0.10%

The fund's Distributor has contractually agreed to waive 0.10% of Rule 12b-1 fees for Class R4 shares. The current waiver agreement expires on December 31, 2024, unless renewed by mutual agreement of the fund and the Distributor based upon a determination that this is appropriate under the circumstances at the time. This contractual waiver amounted to \$130 for Class R4 shares for the year ended August 31, 2024.

Sales charges. Class A shares are assessed up-front sales charges, which resulted in payments to the Distributor amounting to \$22,638 for the year ended August 31, 2024. Of this amount, \$3,741 was retained and used for printing prospectuses, advertising, sales literature and other purposes and \$18,897 was paid as sales commissions to broker-dealers.

Class A and Class C shares may be subject to contingent deferred sales charges (CDSCs). Certain Class A shares purchased, including those that are acquired through purchases of \$1 million or more, and redeemed within one year of purchase are subject to a 1.00% sales charge. Class C shares that are redeemed within one year of purchase are subject to a 1.00% CDSC. CDSCs are applied to the lesser of the current market value at the time of redemption or the original purchase cost of the shares being redeemed. Proceeds from CDSCs are used to compensate the Distributor for providing distribution-related services in connection with the sale of these shares. During the year ended August 31, 2024, CDSCs received by the Distributor amounted to \$2,523 for Class C shares. There were no CDSCs received by the Distributor for Class A shares.

Transfer agent fees. The John Hancock group of funds has a complex-wide transfer agent agreement with John Hancock Signature Services, Inc. (Signature Services), an affiliate of the Advisor. The transfer agent fees paid to Signature Services are determined based on the cost to Signature Services (Signature Services Cost) of providing recordkeeping services. It also includes out-of-pocket expenses, including payments made to third-parties for recordkeeping services provided to their clients who invest in one or more John Hancock funds. In addition, Signature Services Cost may be reduced by certain fees that Signature Services receives in connection with retirement and small accounts. Signature Services Cost is calculated monthly and allocated, as applicable, to five categories of share classes: Retail Share and Institutional Share Classes of Non-Municipal Bond Funds, Class R6 Shares, Retirement Share Classes and Municipal Bond Share Classes. Within each of these categories, the applicable costs are allocated to the affected John Hancock affiliated funds and/or classes, based on the relative average daily net assets.

Class level expenses. Class level expenses for the year ended August 31, 2024 were as follows:

Class	Distribution and service fees	Transfer agent fees
Class A	\$176,422	\$68,517
Class C	61,294	7,159
Class I	—	788,651
Class R2	7,003	74
Class R4	455	7
Class R6	—	1,534
Total	\$245,174	\$865,942

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

Note 5 — Fund share transactions

Transactions in fund shares for the years ended August 31, 2024 and 2023 were as follows:

	Year Ended 8-31-24		Year Ended 8-31-23	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	333,162	\$5,125,090	620,355	\$9,191,860
Distributions reinvested	64,465	974,069	146,858	2,122,095
Repurchased	(794,761)	(12,251,282)	(1,670,002)	(24,775,499)
Net decrease	(397,134)	\$(6,152,123)	(902,789)	\$(13,461,544)
Class C shares				
Sold	45,471	\$694,359	51,285	\$759,484
Distributions reinvested	4,454	67,664	13,666	198,423
Repurchased	(218,774)	(3,373,127)	(306,151)	(4,542,124)
Net decrease	(168,849)	\$(2,611,104)	(241,200)	\$(3,584,217)
Class I shares				
Sold	15,651,128	\$240,342,215	25,705,834	\$382,033,630
Distributions reinvested	842,170	12,725,186	1,377,863	19,910,119
Repurchased	(16,701,032)	(256,809,781)	(18,720,646)	(278,008,520)
Net increase (decrease)	(207,734)	\$(3,742,380)	8,363,051	\$123,935,229
Class R2 shares				
Sold	10,985	\$166,071	147,595	\$2,195,602
Distributions reinvested	1,184	17,871	1,667	24,067
Repurchased	(172,164)	(2,618,924)	(17,606)	(261,935)
Net increase (decrease)	(159,995)	\$(2,434,982)	131,656	\$1,957,734
Class R4 shares				
Sold	1,423	\$21,844	994	\$14,766
Distributions reinvested	156	2,363	257	3,724
Repurchased	(379)	(5,945)	(1,476)	(22,027)
Net increase (decrease)	1,200	\$18,262	(225)	\$(3,537)
Class R6 shares				
Sold	849,078	\$13,031,192	712,045	\$10,574,599
Distributions reinvested	40,465	611,832	63,992	924,684
Repurchased	(833,281)	(12,842,458)	(766,984)	(11,404,446)
Net increase	56,262	\$800,566	9,053	\$94,837
Total net increase (decrease)	(876,250)	\$(14,121,761)	7,359,546	\$108,938,502

Affiliates of the fund owned 3% of shares of Class R6 on August 31, 2024.

Note 6 — Purchase and sale of securities

Purchases and sales of securities, other than short-term investments, amounted to \$175,790,645 and \$190,506,054, respectively, for the year ended August 31, 2024.

Note 7 — Investment in affiliated underlying funds

The fund invests primarily in affiliated underlying funds that are managed by the Advisor and its affiliates. The fund does not invest in the affiliated underlying funds for the purpose of exercising management or control; however, the fund's investment may represent a significant portion of each affiliated underlying funds' net assets. At August 31, 2024, the fund held 5% or more of the net assets of the affiliated underlying funds shown below:

Fund	Underlying fund's net assets
John Hancock Funds II Multi-Asset Absolute Return Fund	31.6%
John Hancock Investment Trust Seaport Long/Short Fund	18.5%
John Hancock Investment Trust Infrastructure Fund	6.3%

Information regarding the fund's fiscal year to date purchases and sales of the affiliated underlying funds as well as income and capital gains earned by the fund, 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	
Diversified Macro	6,282,705	\$61,026,450	\$17,205,244	\$(19,337,271)	\$(873,484)	\$(1,476,591)	\$993,934	\$1,351,042	\$56,544,348
Infrastructure	2,387,088	35,687,553	7,126,043	(14,174,904)	824,426	6,653,518	983,665	—	36,116,636
John Hancock Collateral Trust*	4,025,727	37,604,230	150,786,383	(148,144,230)	3,201	6,078	1,702,358	—	40,255,662
Multi-Asset Absolute Return	9,749,265	99,069,307	10,147,361	(11,327,674)	110,185	5,635,509	—	—	103,634,688
Seaport Long/Short	6,812,389	84,366,725	9,162,211	(16,250,904)	(220,565)	8,438,009	2,734,429	—	85,495,476
Strategic Income Opportunities	6,043,416	57,276,250	9,174,458	(7,797,839)	(630,828)	3,076,893	2,123,252	—	61,098,934
					\$(787,065)	\$22,333,416	\$8,537,638	\$1,351,042	\$383,145,744

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

Note 8 — Transactions in securities of affiliated issuers

Affiliated issuers, as defined by the 1940 Act, are those in which the fund's holdings of an issuer represent 5% or more of the outstanding voting securities of the issuer. A summary of the fund's transactions in the securities of these issuers during the year ended August 31, 2024, is set forth below:

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	
Credit Suisse Managed Futures Strategy Fund	—	\$42,375,962	—	\$(42,012,220)	\$(7,778,697)	\$7,414,955	—	—	—
Invesco DB Precious Metals Fund	227,729	22,803,807	\$6,145,144	(19,267,571)	2,907,652	1,170,218	\$983,727	—	\$13,759,250
NYLI Merger Arbitrage ETF	953,897	29,837,437	3,996,892	(3,899,063)	(41,275)	1,327,058	355,432	—	31,221,049
The Arbitrage Fund, Class I	5,240,996	68,654,756	7,164,687	(7,732,236)	42,836	2,675,812	171,009	\$1,234,229	70,805,855
					\$(4,869,484)	\$12,588,043	\$1,510,168	\$1,234,229	\$115,786,154

Report of Independent Registered Public Accounting Firm

To the Board of Trustees of John Hancock Funds II and Shareholders of John Hancock Alternative Asset Allocation Fund

Opinion on the Financial Statements

We have audited the accompanying statement of assets and liabilities, including the fund's investments, of John Hancock Alternative Asset Allocation Fund (one of the funds constituting John Hancock Funds II, referred to hereafter as the "Fund") as of August 31, 2024, the related statement of operations for the year ended August 31, 2024, the statements of changes in net assets for each of the two years in the period ended August 31, 2024, including the related notes, and the financial highlights for each of the five years in the period ended August 31, 2024 (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Fund as of August 31, 2024, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period ended August 31, 2024 and the financial highlights for each of the five years in the period ended August 31, 2024 in conformity with accounting principles generally accepted in the United States of America.

Basis for Opinion

These financial statements are the responsibility of the Fund's management. Our responsibility is to express an opinion on the Fund's 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 Fund 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, 2024 by correspondence with the custodian, transfer agent and broker; when replies were not received from broker, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

/s/ PricewaterhouseCoopers LLP

Boston, Massachusetts

October 15, 2024

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

Tax information

(Unaudited)

For federal income tax purposes, the following information is furnished with respect to the distributions of the fund, if any, paid during its taxable year ended August 31, 2024.

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

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

The fund reports the maximum amount allowable as Section 163(j) Interest Dividends.

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

Eligible shareholders will be mailed a 2024 Form 1099-DIV in early 2025. This will reflect the tax character of all distributions paid in calendar year 2024.

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

EVALUATION OF ADVISORY AND SUBADVISORY AGREEMENTS BY THE BOARD OF TRUSTEES

This section describes the evaluation by the Board of Trustees (the Board) of John Hancock Funds II (the Trust) of the Advisory Agreement (the Advisory Agreement) with John Hancock Investment Management, LLC (the Advisor) and the Subadvisory Agreement (the Subadvisory Agreement) with Manulife Investment Management (US) LLC (the Subadvisor) for John Hancock Alternative Asset Allocation Fund (the fund). The Advisory Agreement and Subadvisory Agreement are collectively referred to as the Agreements. Prior to the June 24-27, 2024 meeting at which the Agreements were approved, the Board also discussed and considered information regarding the proposed continuation of the Agreements at a meeting held on May 28-May 30, 2024. The Trustees who are not "interested persons" of the Trust as defined by the Investment Company Act of 1940, as amended (the 1940 Act) (the Independent Trustees) also met separately to evaluate and discuss the information presented, including with counsel to the Independent Trustees and a third-party consulting firm.

Approval of Advisory and Subadvisory Agreements

At meetings held on June 24-27, 2024, the Board, including the Trustees who are not parties to any Agreement or considered to be interested persons of the Trust under the 1940 Act, reapproved for an annual period the continuation of the Advisory Agreement between the Trust and the Advisor and the Subadvisory Agreement between the Advisor and the Subadvisor with respect to the fund.

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

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 the fund, the Board, including the Independent Trustees, considered a variety of factors, including those discussed below. The Board also considered other factors (including conditions and trends prevailing generally in the economy, the securities markets, and the industry) and 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 fund, the Board reviewed information provided by the Advisor relating to its operations and personnel, descriptions of its organizational and management structure, and information regarding the Advisor's compliance and regulatory history, including its Form ADV. The Board also noted that on a regular basis it receives and reviews information from the Trust's Chief Compliance Officer (CCO) regarding the fund's compliance policies and procedures established pursuant to Rule 38a-1 under the 1940 Act. The Board 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 risk management programs, derivatives risk 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 fund, including, but not limited to, general supervision of and coordination of the services provided by the Subadvisor, and is also responsible for monitoring and reviewing the activities of the Subadvisor and third-party service providers. The Board also considered the significant risks assumed by the Advisor in connection with the services provided to the fund 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 John Hancock group of funds complex (the John Hancock Fund Complex).

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

- (a) the skills and competency with which the Advisor has in the past managed the Trust's affairs and its subadvisory relationship, the Advisor's oversight and monitoring of the Subadvisor's investment performance and compliance programs, such as the Subadvisor's compliance with fund policies and objectives, review of brokerage matters, including with respect to trade allocation and best execution and the Advisor's timeliness in responding to performance issues;
- (b) the background, qualifications and skills of the Advisor's personnel;
- (c) the Advisor's compliance policies and procedures and its responsiveness to regulatory changes and fund industry developments;
- (d) the Advisor's administrative capabilities, including its ability to supervise the other service providers for the fund, 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 fund, and bringing loss recovery actions on behalf of the fund;
- (e) the financial condition of the Advisor and whether it has the financial wherewithal to provide a high level and quality of services to the fund;

- (f) the Advisor's initiatives intended to improve various aspects of the Trust's operations and investor experience with the fund; and
- (g) the Advisor's reputation and experience in serving as an investment advisor 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 fund.

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

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

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 noted that the fund outperformed its benchmark index for the one-, three-, five- and ten-year periods ended December 31, 2023. The Board also noted that the fund outperformed its peer group median for the one-, three-, five- and ten-year periods ended December 31, 2023. The Board took into account management's discussion of the fund's performance, including the favorable performance relative to the benchmark index and its peer group median for the one-, three-, five- and ten-year periods. The Board concluded that the fund's performance has generally been in line with or outperformed the historical performance of comparable funds and the fund's benchmark index.

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

The Board took into account management's discussion with respect to the overall management fee and the fees of the Subadvisor, including the amount of the advisory fee retained by the Advisor after payment of the subadvisory fees, in each case in light of the services rendered for those amounts and the risk undertaken by the Advisor. The Board also noted that the Advisor pays the subadvisory fees. In addition, the Board 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 that, in addition, the Advisor is currently waiving fees and/or reimbursing expenses with respect to the fund and that the fund has breakpoints in its contractual management fee schedule that reduces management fees as assets increase. The Board also noted that the fund's distributor, an affiliate of the Advisor, has agreed to waive a portion of its Rule 12b-1 fee for a share class of the fund. The Board reviewed information

provided by the Advisor concerning the investment advisory fee charged by the Advisor or one of its advisory affiliates to other clients (including other funds in the John Hancock Fund Complex) having similar investment mandates, if any. The Board considered any differences between the Advisor's and Subadvisor's services to the fund and the services they provide to other comparable clients or funds. The Board concluded that the advisory fee paid with respect to the fund is reasonable in light of the nature, extent and quality of the services provided to the fund under the Advisory Agreement.

In addition, the Trustees reviewed the advisory fee to be paid to the Advisor for the fund and noted that the Advisor has evaluated the complexity of the structure and fees and expenses associated with the fund's investments in the underlying portfolios, and that the Advisor made a finding that the fund's expenses do not duplicate the fees and expenses of the underlying portfolios.

Profitability/indirect benefits. In considering the costs of the services to be provided and the profits to be realized by the Advisor and its affiliates (including the Subadvisor) from the Advisor's relationship with the 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 with respect to the fund;
- (c) received and reviewed profitability information with respect to the John Hancock Fund Complex as a whole and with respect to the 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 information reviewed by the Board;
- (f) considered that the Advisor also provides administrative services to the fund on a cost basis pursuant to an administrative services agreement;
- (g) 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;
- (h) noted that the fund's Subadvisor is an affiliate of the Advisor;
- (i) noted that the Advisor also derives reputational and other indirect benefits from providing advisory services to the fund;
- (j) noted that the subadvisory fees for the fund are paid by the Advisor;
- (k) with respect to the fund, the Board noted that the advisory fee is in addition to the fees received by the Advisor and its affiliates with regard to the affiliated underlying funds in which the 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.

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

Economies of scale. In considering the extent to which economies of scale would be realized as the fund grows and whether fee levels reflect these economies of scale for the benefit of fund shareholders, the Board:

- (a) considered that with respect to the John Hancock underlying funds in which the fund invests, the Advisor has contractually agreed to waive a portion of its management fee such funds and for each of the other John Hancock funds in the complex (except as discussed below) with respect to the John Hancock underlying funds in which the fund invests (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 funds that are not participating portfolios are each of the funds of funds of the Trust and John Hancock Variable Insurance Trust. The funds of funds also benefit from such overall management fee waiver through their investment in underlying funds that include certain of the participating portfolios, which are subject to reimbursement;
- (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) the Board also considered the effect of the fund's growth in size on its performance and fees. The Board also noted that if the fund's assets increase over time, the fund may realize other economies of scale.

Approval of Subadvisory Agreement

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

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

Nature, extent, and quality of services. With respect to the services provided by the Subadvisor, the Board received information provided to the Board by the Subadvisor, including the Subadvisor's respective Form ADV, as well as took into account information presented throughout the past year. The Board considered the Subadvisor's current level of staffing and its overall resources, as well as received information relating to the Subadvisor's compensation program. The Board reviewed the Subadvisor's history and investment experience, as well as information regarding the qualifications, background, and responsibilities of the Subadvisor's investment and compliance personnel who provide services to the fund. The Board also considered, among other things, the Subadvisor's compliance program and any disciplinary history. The Board also considered the Subadvisor's risk assessment and monitoring process. The Board reviewed the Subadvisor's regulatory history, including whether it was involved in any regulatory actions or investigations as well as material litigation, and any settlements and

amelioratory actions undertaken, as appropriate. The Board noted that the Advisor conducts regular, periodic reviews of the Subadvisor and its operations, including regarding investment processes and organizational and staffing matters. The Board also noted that the Trust's CCO and his staff conduct regular, periodic compliance reviews with the Subadvisor and present reports to the Independent Trustees regarding the same, which includes evaluating the regulatory compliance systems of the Subadvisor and procedures reasonably designed to assure compliance with the federal securities laws. The Board also took into account the financial condition of the Subadvisor.

The Board considered the Subadvisor's investment process and philosophy. The Board took into account that the Subadvisor's responsibilities include the development and maintenance of an investment program for the fund that is consistent with the fund's investment objective, the selection of investment securities and the placement of orders for the purchase and sale of such securities, as well as the implementation of compliance controls related to performance of these services. The Board also received information with respect to the Subadvisor's brokerage policies and practices, including with respect to best execution and soft dollars.

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

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

Subadvisory fees. The Board considered that the fund pays an advisory fee to the Advisor and that, in turn, the Advisor pays a subadvisory fee to the Subadvisor. As noted above, the Board also considered the 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 available. The Board noted that the limited size of the Lipper peer group was not sufficient for comparative purposes. The Board also took into account the subadvisory fees paid by the Advisor to the Subadvisor with respect to the fund and compared them to fees charged by the Subadvisor to manage other subadvised portfolios and portfolios not subject to regulation under the 1940 Act, as applicable.

Subadvisor performance. As noted above, the Board considered the fund's performance as compared to the fund's peer group 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 the Subadvisor. The Board was mindful of the Advisor's focus on the Subadvisor's performance. The Board also noted the Subadvisor's long-term performance record for similar accounts, as applicable.

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

- (1) the Subadvisor has extensive experience and demonstrated skills as a manager;
- (2) the performance of the fund has generally been in line with or outperformed the historical performance of comparable funds and the fund's benchmark index;
- (3) the subadvisory fee is reasonable in relation to the level and quality of services being provided under the Subadvisory Agreement; and
- (4) noted that the subadvisory fees are paid by the Advisor not the fund.

In addition, the Trustees reviewed the subadvisory fees to be paid to the Subadvisor for the fund and noted that the Advisor has evaluated the complexity of the structure and fees and expenses associated with the fund's investments in the underlying portfolios, and that the Advisor made a finding that the fund's expenses do not duplicate the fees and expenses of the underlying portfolios.

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

A better way to invest

We serve investors globally through a unique multimanager approach: We search the world to find proven portfolio teams with specialized expertise for every strategy we offer, then we apply robust investment oversight to ensure they continue to meet our uncompromising standards and serve the best interests of our shareholders.

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



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