

John Hancock
Alternative Asset Allocation Fund

Quarterly portfolio holdings 11/30/2024

John Hancock[®] Investment Management

Fund's investments

As of 11-30-24 (unaudited)

	Shares	Value
Affiliated investment companies (A) 51.9%		\$428,750,646
(Cost \$393,497,299)		
Absolute return strategies 28.5%		235,848,512
Diversified Macro, Class NAV, JHIT (Graham)	7,107,342	63,610,712
Multi-Asset Absolute Return, Class NAV, JHF II (NIMNAI) (B)	9,380,347	101,870,571
The Arbitrage Fund, Class I (C)	5,174,061	70,367,229
Alternative investment approaches 18.1%		149,451,884
Seaport Long/Short, Class NAV, JHIT (Wellington)	7,263,721	91,304,977
Strategic Income Opportunities, Class NAV, JHF II (MIM US) (D)	5,762,825	58,146,907
Alternative markets 5.3%		43,450,250
Infrastructure, Class NAV, JHIT (Wellington)	2,127,772	33,320,915
Invesco DB Precious Metals Fund (C)	158,074	10,129,335
Unaffiliated investment companies 44.6%		\$368,642,471
(Cost \$334,139,890)		
Absolute return strategies 29.3%		242,417,739
BlackRock Tactical Opportunities Fund	3,189,554	47,524,348
Calamos Market Neutral Income Fund	4,938,696	74,327,377
Victory Market Neutral Income Fund	9,277,501	77,652,687
Virtus AlphaSimplex Managed Futures Strategy Fund	4,865,457	42,913,327
Alternative investment approaches 12.8%		106,067,243
JPMorgan Hedged Equity Fund	3,129,750	106,067,243
Alternative markets 2.5%		20,157,489
Invesco Optimum Yield Diversified Commodity Strategy No K-1 ETF (E)	1,061,867	14,229,018
Vanguard Real Estate ETF	60,396	5,928,471
	Yield (%)	Shares
Short-term investments 3.5%		\$28,954,532
(Cost \$28,929,920)		
Short-term funds 3.5%		28,954,532
John Hancock Collateral Trust (F)	4.4849(G)	2,894,672
Total investments (Cost \$756,567,109) 100.0%		\$826,347,649
Other assets and liabilities, net 0.0%		298,028
Total net assets 100.0%		\$826,645,677

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 fund's investments.

(D) The subadvisor is an affiliate of the advisor.

(E) All or a portion of this security is on loan as of 11-30-24. The value of securities on loan amounted to \$84,168.

(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 \$72,813.

(G) The rate shown is the annualized seven-day yield as of 11-30-24.

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)

Notes to Fund's investments (unaudited)

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, the fund's valuation designee.

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 November 30, 2024, all investments are categorized as Level 1 under the hierarchy described above.

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.

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	7,107,342	\$56,544,348	\$9,093,732	\$(1,675,589)	\$(260,144)	\$(91,635)	—	—	\$63,610,712
Infrastructure	2,127,772	36,116,636	1,888,854	(5,879,606)	1,187,428	7,603	\$153,136	—	33,320,915
John Hancock Collateral Trust	2,894,672	40,255,662	49,241,514	(60,554,162)	6,944	4,574	367,191	—	28,954,532
Multi-Asset Absolute Return	9,380,347	103,634,688	7,419,211	(11,432,824)	773,586	1,475,910	—	—	101,870,571
Seaport Long/Short	7,263,721	85,495,476	6,537,425	(884,406)	38,863	117,619	—	—	91,304,977
Strategic Income Opportunities	5,762,825	61,098,934	4,645,204	(7,518,682)	(350,747)	272,198	509,768	—	58,146,907
					\$1,395,930	\$1,786,269	\$1,030,095	—	\$377,208,614

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 period ended November 30, 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	
Invesco DB Precious Metals Fund	158,074	\$13,759,250	\$1,091,618	\$ (5,706,123)	\$ 1,641,624	\$ (657,034)	—	—	\$ 10,129,335
NYLI Merger Arbitrage ETF*	—	31,221,049	236,381	(31,606,939)	1,452,906	(1,303,397)	—	—	—
The Arbitrage Fund, Class I	5,174,061	70,805,855	3,994,895	(4,905,791)	164,706	307,564	—	—	70,367,229
					\$3,259,236	\$(1,652,867)	—	—	\$80,496,564

* The security was an affiliate at the beginning of the period and was sold prior to the end of the period.

For additional information on the fund's significant accounting policies and risks, please refer to the fund's most recent semiannual or annual shareholder report and prospectus.