JOHN HANCOCK TAX-ADVANTAGED DIVIDEND INCOME FUND Form N-Q April 02, 2018

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

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-21416

John Hancock Tax-Advantaged Dividend Income Fund (Exact name of registrant as specified in charter)

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

Salvatore Schiavone, Treasurer

601 Congress Street

<u>Boston, Massachusetts 02210</u> (Name and address of agent for service)

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

Date of fiscal year end: October 31

Date of reporting period: January 31, 2018

ITEM 1. SCHEDULE OF INVESTMENTS

John Hancock

Tax-Advantaged Dividend Income Fund

Quarterly portfolio holdings 1/31/18

Fund's investments

As of 1-31-18 (unaudited)

| 715 OF 1-51-10 (unaudice) | Shares | Value |
|--|----------|---|
| Common stocks 75.6% (50.7% of Total | | \$652,977,847 |
| investments) | | Ψ032,577,017 |
| (Cost \$434,417,738) | | |
| Energy 12.8% | | 110,917,469 |
| Oil, gas and consumable fuels 12.8% | | |
| BP PLC, $ADR(A)(B)(C)$ | 980,450 | 41,953,456 |
| Enbridge, Inc. $(A)(B)(C)$ | 247,106 | 9,051,493 |
| ONEOK, Inc. (B) | 710,000 | 41,790,600 |
| Royal Dutch Shell PLC, ADR, Class A (A)(B) | 258,000 | 18,121,920 |
| Industrials 2.2% | | 19,241,500 |
| Transportation infrastructure 2.2% | | |
| Macquarie Infrastructure Corp. (A)(B) | 290,000 | 19,241,500 |
| Telecommunication services 4.5% | | 38,624,881 |
| Diversified telecommunication services 4.5% | | |
| AT&T, Inc. (B) | 575,000 | 21,533,750 |
| CenturyLink, Inc. (A)(B) | 355,000 | 6,322,550 |
| Verizon Communications, Inc. (B) | 199,160 | 10,768,581 |
| Utilities 56.1% | | 484,193,997 |
| Electric utilities 26.7% | | |
| Alliant Energy Corp. (B) | 390,000 | 15,502,500 |
| American Electric Power Company, Inc. (A)(B) | 540,000 | 37,141,200 |
| Avangrid, Inc. (A)(B) | 475,000 | 23,142,000 |
| Duke Energy Corp. (A)(B) | 320,000 | 25,120,000 |
| Entergy Corp. (A)(B) | 338,000 | 26,597,220 |
| Eversource Energy (A)(B) | 460,000 | 29,021,400 |
| FirstEnergy Corp. (B) | 270,000 | 8,883,000 |
| OGE Energy Corp. (C) | 540,000 | 17,388,000 |
| Pinnacle West Capital Corp. (B) | 50,000 | 3,997,500 |
| PPL Corp. (A)(B) | 500,000 | |
| The Southern Company (A)(B) | 405,000 | 18,269,550 |
| Xcel Energy, Inc. (B) | 207,000 | 9,447,480 |
| Gas utilities 3.9% | | |
| Atmos Energy Corp. (B) | 270,000 | 22,383,000 |
| ONE Gas, Inc. | 160,000 | 11,332,800 |
| Multi-utilities 25.5% | - | |
| Ameren Corp. (B)(C) | 540,000 | |
| Black Hills Corp. | 440,000 | 24,442,000 |
| CenterPoint Energy, Inc. (A)(B) | 980,000 | 27,616,400 |
| Dominion Energy, Inc. (A)(B) | 400,000 | 30,576,000 |
| DTE Energy Company (A)(B)(C) | 250,000 | 26,410,000 |
| National Grid PLC, ADR (B) | 265,833 | 15,333,247 |
| NiSource, Inc. (A)(B) | 770,000 | 19,003,600 |
| Public Service Enterprise Group, Inc. (B) | 70,000 | 3,630,900 |
| Vectren Corp. (A)(B)(C) | 700,000 | 42,441,000 |
| Preferred securities 69.8% (46.8% of Total | | \$602,525,856 |
| investments) | | . , , , , , , , , , , , , , , , , , , , |
| (Cost \$624,277,292) | | 15 106 513 |
| Energy 5.3% | | 45,486,743 |

Oil, gas and consumable fuels 5.3%

Kinder Morgan, Inc., 9.750% (A)(B)(C)

1,235,71745,486,743

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| | Shares | Value |
|---|-----------|---------------|
| Financials 36.1% | | \$312,149,327 |
| Banks 22.5% | | |
| Bank of America Corp., 6.204% | 230,000 | 5,883,400 |
| Bank of America Corp., 6.375% | 139,000 | 3,563,960 |
| Bank of America Corp., 6.500% | 177,178 | 4,629,661 |
| Bank of America Corp., 6.625% | 355,000 | 9,105,750 |
| Barclays Bank PLC, 8.125% (C) | 610,000 | 16,000,300 |
| BB&T Corp. (Callable 6-1-18), 5.200% | 480,000 | 11,755,200 |
| BB&T Corp. (Callable 5-1-18), 5.200% | 225,000 | 5,508,000 |
| BB&T Corp., 5.625% | 606,000 | 15,065,160 |
| Citigroup, Inc. (6.875% to 11-15-23, then 3 | 25 000 | 007 000 |
| month LIBOR + 4.130%) | 35,000 | 987,000 |
| Citigroup, Inc. (7.125% to 9-30-23, then 3 | 210.054 | 5 054 517 |
| month LIBOR + 4.040%) (A)(B) | 210,854 | 5,954,517 |
| HSBC Holdings PLC, 8.000% (C) | 325,000 | 8,651,500 |
| HSBC Holdings PLC, 8.125% (A)(B) | 50,000 | 1,340,000 |
| JPMorgan Chase & Co., 5.450% | 245,000 | 6,078,450 |
| JPMorgan Chase & Co., 6.100% | 510,000 | 13,158,000 |
| JPMorgan Chase & Co., 6.125% | 98,888 | 2,540,433 |
| JPMorgan Chase & Co., 6.700% | 30,000 | 781,800 |
| MB Financial, Inc., 6.000% | 400,000 | 9,888,000 |
| Santander Holdings USA, Inc., 7.300% | 120,000 | 3,074,400 |
| The PNC Financial Services Group, Inc., | 200,000 | (027 200 |
| 5.375% (C) | 280,000 | 6,927,200 |
| The PNC Financial Services Group, Inc. | | |
| (6.125% to 5-1-22, then 3 month LIBOR + | 40,000 | 1,106,800 |
| 4.067%) | | |
| U.S. Bancorp, 5.150% (C) | 720,000 | 17,676,000 |
| U.S. Bancorp (6.500% to 1-15-22, then 3 | 296,000 | 8,205,120 |
| month LIBOR $+4.468\%$) | 290,000 | 6,203,120 |
| Wells Fargo & Company, 6.000% | 215,000 | 5,525,500 |
| Wells Fargo & Company, 8.000% | 1,200,000 | 30,924,000 |
| Capital markets 12.5% | | |
| Deutsche Bank Contingent Capital Trust II, | 10,000 | 257,400 |
| 6.550% | 10,000 | 237,400 |
| Deutsche Bank Contingent Capital Trust | 797,893 | 20,298,398 |
| III, 7.600% | • | |
| Morgan Stanley, 6.625% | 1,057,915 | 527,537,527 |
| Morgan Stanley (6.375% to 10-15-24, then | 220,000 | 5,955,400 |
| 3 month LIBOR + 3.708%) | 220,000 | 3,733,100 |
| Morgan Stanley (7.125% to 10-15-23, then | 360,820 | 10,265,329 |
| 3 month LIBOR + 4.320%) (A)(B) | • | |
| State Street Corp., 5.250% | 910,000 | 22,231,300 |
| State Street Corp., 6.000% | 192,065 | 4,957,198 |
| State Street Corp. (5.900% to 3-15-24, then | 25,000 | 668,750 |
| 3 month LIBOR + 3.108%) | , | • |
| The Bank of New York Mellon Corp., | 425,000 | 10,310,500 |
| 5.200% | • | , , |

| The Goldman Sachs Group, Inc., 6.200% | 6 215,000 | 5,441,650 |
|---|-------------|--|
| Consumer finance 0.7% | | |
| Capital One Financial Corp., 6.200% | 100,183 | 2,613,774 |
| Capital One Financial Corp., 6.700% | 136,569 | 3,619,079 |
| Insurance 0.4% | | |
| Aegon NV, 6.500% | 96,512 | 2,468,777 |
| Prudential Financial, Inc., 5.750% | 47,460 | 1,194,094 |
| Health care 2.6% | | 22,710,486 |
| Pharmaceuticals 2.6% | | |
| Teva Pharmaceutical Industries, Ltd., | 59,900 | 22,710,486 |
| 7.000% | 37,700 | 22,710,100 |
| Industrials 0.4% | | 3,396,683 |
| Machinery 0.4% | | |
| Stanley Black & Decker, Inc., 5.750% | 135,326 | 3,396,683 |
| Real estate 1.7% | | 14,625,558 |
| Equity real estate investment trusts 1.7% | | |
| Crown Castle International Corp., Series 6.875% | s A, 12,000 | 13,492,458 |
| | QUARTERL | LY REPORT JOHN HANCOCK Tax-Advantaged Dividend 3 |
| INVESTMENTS | Income Fund | 1 |

| | Shares | Value |
|--|-----------|-------------|
| Real estate (continued) | | |
| Equity real estate investment trusts (continued) | | |
| Ventas Realty LP, 5.450% | 45,000 | \$1,133,100 |
| Telecommunication services 3.8% | | 32,655,377 |
| Diversified telecommunication services 1.9% | | |
| Qwest Corp., 6.125% (C) | 730,000 | 14,096,300 |
| Qwest Corp., 7.500% | 34,122 | 834,624 |
| Verizon Communications, Inc., 5.900% | 60,000 | 1,549,800 |
| Wireless telecommunication services 1.9% | | |
| Telephone & Data Systems, Inc., 5.875% | 340,000 | 8,013,800 |
| Telephone & Data Systems, Inc., 6.625% | 39,768 | 940,513 |
| Telephone & Data Systems, Inc., 6.875% | 261,064 | 6,487,440 |
| United States Cellular Corp., 6.950% | 30,000 | 732,900 |
| Utilities 19.9% | | 171,501,682 |
| Electric utilities 13.7% | | |
| Duke Energy Corp., 5.125% | 221,008 | 5,487,629 |
| Entergy Arkansas, Inc., 4.560% | 9,388 | 959,923 |
| Entergy Mississippi, Inc., 4.920% | 8,190 | 827,190 |
| Interstate Power & Light Company, 5.100% (C) | 1,382,023 | 33,196,192 |
| Mississippi Power Company, 5.250% | 257,500 | 6,607,450 |
| NextEra Energy Capital Holdings, Inc., 5.000% | 110,000 | 2,581,700 |
| NextEra Energy, Inc., 6.123% | 206,000 | 11,651,360 |
| PPL Capital Funding, Inc., 5.900% | 1,013,052 | 225,447,866 |
| SCE Trust II, 5.100% (A)(B) | 1,285,000 | 29,105,250 |
| The Southern Company, 6.250% | 80,000 | 2,081,600 |
| Multi-utilities 6.2% | | |
| Dominion Energy, Inc., 6.750% | 507,000 | 25,588,290 |
| DTE Energy Company, 5.250% (C) | 166,933 | 4,031,432 |
| DTE Energy Company, 6.500% (C) | 120,000 | 6,328,800 |
| Integrys Holding, Inc. (6.000% to 8-1-23, then 3 | 210,000 | 5 607 000 |
| month LIBOR + 3.220%) | 210,000 | 5,607,000 |
| Sempra Energy, 6.000% | 120,000 | 12,000,000 |
| | | |

| | Rate (%) | Maturity date | Par value^ | Value |
|---|----------|---------------|------------|--------------|
| Corporate bonds 3.1% (2.1% of Total investments) | | | | \$27,002,250 |
| (Cost \$26,600,000) | | | | |
| Consumer discretionary 0.4% | | | | 3,717,000 |
| Automobiles 0.4% | | | | |
| General Motors Financial Company, Inc. (5.750% to 9-30-27, then 3 month LIBOR + 3.598%) (A)(B)(D) | 5.750 | 09-30-27 | 3,600,000 | 3,717,000 |
| Financials 2.3% | | | | 20,118,750 |
| Capital markets 1.1% | | | | |
| E*TRADE Financial Corp. (5.300% to 3-15-23, then 3 month LIBOR + 3.160%) (A)(B)(D) | 5.300 | 03-15-23 | 10,000,000 | 09,962,500 |
| Consumer finance 1.2% | | | | |
| Discover Financial Services (5.500% to 10-30-27, then 3 month LIBOR $+$ 3.076%) (B)(D) | 5.500 | 10-30-27 | 10,000,000 | 010,156,250 |

Utilities 0.4% 3,166,500

Electric utilities 0.4%

Southern California Edison Company (6.250% to 2-1-22, then 3 month LIBOR + 4.199%) (B)(D)

6.250 02-01-22 3,000,000 3,166,500

JOHN HANCOCK Tax-Advantaged Dividend Income Fund | QUARTERISEE NOTES TO FUND'S REPORT INVESTMENTS

| Vield* | (0%) | Maturity | date | Par ve | ۸میراد | Value |
|----------|------|-----------------|------|--------|--------|--------|
| i leiu i | 170 |) iviatuiitty | uale | rai va | iiue'' | v arue |

| Short-term investments 0.6% (0.4% of Total investments) | | | | | | | |
|---|---|-------|----------|-----------|-----------|--|--|
| | (Cost \$5,113,000) | | | | | | |
| | U.S. Government Agency 0.4% | | | | 3,553,000 | | |
| | Federal Agricultural Mortgage Corp. Discount Note | 1.200 | 02-01-18 | 335,000 | 335,000 | | |
| | Federal Home Loan Bank Discount Note | 0.900 | 02-01-18 | 460,000 | 460,000 | | |
| | Federal Home Loan Bank Discount Note | 1.200 | 02-01-18 | 2,758,000 | 2,758,000 | | |

Par value^ Value 1,560,000

Repurchase agreement 0.2%

Repurchase Agreement with State Street Corp. dated 1-31-18 at 0.540% to be repurchased at \$1,560,023 on 2-1-18, collateralized by \$1,595,000 U.S. Treasury Notes, 1.375% due 9-30-18 (valued at \$1,597,976, including interest)

1,560,000 1,560,000

| Total | |
|------------------|----------------------|
| investments | |
| (Cost | \$1,287,618,953 |
| \$1,090,408,030) | |
| 149.1% | |
| Other assets and | |
| liabilities, net | (424,027,261) |
| (49.1%) | |
| Total net assets | ¢062 5 01 602 |
| 100.0% | \$863,591,692 |

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

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

Security Abbreviations and Legend

ADR American Depositary Receipt

LIBOR London Interbank Offered Rate

- (A) A portion of this security is on loan as of 1-31-18, and is a component of the fund's leverage under the Liquidity Agreement.
 - All or a portion of this security is pledged as collateral pursuant to the Liquidity Agreement. Total collateral
- (B) value at 1-31-18 was \$436,931,531. A portion of the securities pledged as collateral were loaned pursuant to the Liquidity Agreement. The value of securities on loan amounted to \$254,462,568.
- (C) A portion of this security is segregated as collateral for options. Total collateral value at 1-31-18 was \$110,901,026.
- (D) Perpetual bonds have no stated maturity date. Date shown as maturity date is next call date.
- * 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.

The fund had the following country composition as a percentage of total investments on 1-31-18:

United States 89.4% United Kingdom 6.5% Israel 1.8% Netherlands 1.6% Other countries 0.7% TOTAL 100.0% SEE NOTES TO FUND'S **INVESTMENTS**

QUARTERLY REPORT | JOHN HANCOCK Tax-Advantaged Dividend 5 Income Fund

DERIVATIVES FUTURES

| Open contracts | Number of contracts | f Position | Expiration date | nNotional basis* | Notional value* | Unrealized appreciation (depreciation) |
|------------------------------------|---------------------|---------------|--------------------|---------------------|------------------|--|
| 10-Year U.S. Treasury Note Futures | 980 | Short | Mar 2018 | \$(122,390,720 |)\$(119,146,562) | · • |

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

WRITTEN OPTIONS

Options on index

| Counterparty (OTC)/ Exchange- traded Calls | Name of issuer | | Exercise price | Expiration date | Number of contracts | Notional amount | Premium | Value |
|---|--------------------|-----|----------------|--------------------|---------------------------|--------------------|-----------|---------------|
| Exchange-traded | Russell 2000 Index | USD | 1,610.00 | Jan 2018 | 190 | 19,000 | \$66,350 | \$(8,075) |
| Exchange-traded | S&P 500 Index | USD | 2,795.00 | Feb 2018 | 10 | 1,000 | 3,892 | (35,500) |
| Exchange-traded | S&P 500 Index | USD | 2,840.00 | Feb 2018 | 15 | 1,500 | 7,938 | (22,875) |
| Exchange-traded | S&P 500 Index | USD | 2,800.00 | Feb 2018 | 208 | 20,800 | 41,298 | (940,160) |
| Exchange-traded | S&P 500 Index | USD | 2,895.00 | Feb 2018 | 36 | 3,600 | 64,411 | (21,600) |
| Exchange-traded | S&P 500 Index | USD | 2,980.00 | Mar 2018 | 125 | 12,500 | 86,151 | (31,563) |
| Exchange-traded | S&P 500 Index | USD | 2,980.00 | Apr 2018 | 75 | 7,500 | 27,691 | (57,000) |
| | | | | _ | | | \$297,731 | \$(1,116,773) |

SWAPS

Interest rate swaps

| Counterpar (OTC)/ Centrally cleared | rty Notional amount | Currency | Payment ^y made | s Payments received | payment | Floating payment frequency | Maturity date | Unamortized upfront payment paid (received) | d Unrealized appreciation (depreciation) | Value |
|--|---------------------------|----------|------------------------------|---|------------|----------------------------|------------------|---|---|------------|
| Centrally cleared | 107,000,00 | 00USD | Fixed 2.136% | USD 3 Month LIBOR BBA ^(a) | Semi-Annua | lQuarterly | Feb 2018 | _ | \$1,626,244 | \$1,626,24 |
| | | | | | | | | _ | \$1,626,244 | \$1,626,24 |

(a) At 1-31-18, the 3 month LIBOR was 1.778%

Derivatives

Currency

Abbreviations

USDU.S. Dollar

Derivatives Abbreviations

BBA The British Banker's Association

LIBOR London Interbank Offered Rate

OTC is an abbreviation for over-the-counter. See Notes to Fund's investments regarding investment transactions and other derivatives information.

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JOHN HANCOCK Tax-Advantaged Dividend Income Fund | QUARTERISE NOTES TO FUND'S REPORT INVESTMENTS

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 may be determined as of the regularly scheduled close of the NYSE pursuant to the fund's Valuation Policies and Procedures.

In order to value the securities, the fund uses the following valuation techniques: Equity securities held by the fund are typically valued at the last sale price or official closing price on the exchange or principal market where the security 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. Debt obligations are valued based on the evaluated prices provided by an independent pricing vendor or from broker-dealers. Independent pricing vendors utilize matrix pricing which takes into account factors such as institutional-size trading in similar groups of securities, yield, quality, coupon rate, maturity, type of issue, trading characteristics and other market data, as well as broker supplied prices. Options listed on an exchange are valued at the mean of the most recent bid and ask prices from the exchange where the option was acquired or most likely will be sold. Futures contracts are valued at settlement prices, which are the official closing prices published by the exchange on which they trade.

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

Other portfolio securities and assets, for which reliable market quotations are not readily available, are valued at fair value as determined in good faith by the fund's Pricing Committee following procedures established by the Board of Trustees. The frequency with which these fair valuation procedures are used cannot be predicted and fair value of securities may differ significantly from the value that would have been used had a ready market for such securities existed.

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

The following is a summary of the values by input classification of the fund's investments as of January 31, 2018, by major security category or type:

| Total | Laval 1 | Level 2 | Level 3 |
|---------------------|---------|-------------|--------------|
| Total | Level 1 | significant | significant |
| value at 1-31-18 | quoted | observable | unobservable |
| 1-31-16 | price | inputs | inputs |

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| Assets | | | |
|---------------------------------|-----------------------|-----------------|--------------|
| Common stocks | \$652,977,847 | \$652,977,847 | |
| Preferred securities | | | |
| Energy | 45,486,743 | 45,486,743 | |
| Financials | 312,149,327 | 312,149,327 | |
| Health care | 22,710,486 | 22,710,486 | |
| Industrials | 3,396,683 | 3,396,683 | |
| Real estate | 14,625,558 | 1,133,100 | \$13,492,458 |
| Telecommunication services | 32,655,377 | 31,105,577 | 1,549,800 |
| Utilities | 171,501,682 | 164,107,569 | 7,394,113 |
| Corporate bonds | 27,002,250 | | 27,002,250 |
| Short-term investments | 5,113,000 | | 5,113,000 |
| Total investments in securities | \$1,287,618,953 | \$1,233,067,332 | \$54,551,621 |
| Derivatives: | | | |
| Assets | | | |
| Futures | \$3,244,158 | \$3,244,158 | |
| Swap contracts | 1,626,244 | | \$1,626,244 |
| Liabilities | | | |
| Written options | \$(1,116,773) | \$(1,116,773) | |

Securities with market value of approximately \$13,173,840 at the beginning of the year were transferred from Level 1 to Level 2 during the period since quoted prices in active markets for identical securities were no longer available and securities were valued using other significant observable inputs.

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

Repurchase agreements are typically governed by the terms and conditions of the Master Repurchase Agreement and/or Global Master Repurchase Agreement (collectively, MRA). Upon an event of default, the non-defaulting party may close out all transactions traded under the MRA and net amounts owed. Absent an event of default, assets and liabilities resulting from repurchase agreements are not offset. In the event of a default by the counterparty, realization of the collateral proceeds could be delayed, during which time the collateral value may decline or the counterparty may have insufficient assets to pay back claims resulting from close-out of the transactions.

Derivative instruments. The fund may invest in derivatives in order to meet its 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 fund is exposed to the risk that the counterparty to an OTC derivatives contract will be unable or unwilling to make timely settlement payments or otherwise honor its obligations. OTC derivatives transactions typically can only be closed out with the other party to the transaction.

Futures. A futures contract is a contractual agreement to buy or sell a particular currency or financial instrument at a pre-determined price in the future. Risks related to the use of futures contracts include possible illiquidity of the futures markets and contract prices that can be highly volatile and imperfectly correlated to movements in the underlying financial instrument. 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.

During the period ended January 31, 2018, the fund used futures contracts to manage against anticipated interest rate changes.

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 fund's exposure to changes in the value of the underlying instrument. Buying puts and writing calls may decrease the fund's 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. In addition, OTC options are subject to the risks of all OTC derivatives contracts.

When the fund purchases an option, the premium paid by the fund is included in the portfolio of investments and subsequently "marked-to-market" to reflect current market value. When the fund writes an option, the premium received is included as a liability and subsequently "marked-to-market" to reflect current market value of the option written.

During the period ended January 31, 2018, the fund wrote option contracts to hedge against anticipated changes in securities markets and to generate potential income.

Interest rate swaps. Interest rate swaps represent an agreement between the fund and a counterparty to exchange cash flows based on the difference between two interest rates applied to a notional amount. The payment flows are usually

netted against each other, with the difference being paid by one party to the other. The fund settles accrued net interest receivable or payable under the swap contracts at specified, future intervals. Swap agreements are privately negotiated in the OTC market or may be executed on a registered commodities exchange (centrally cleared swaps). Swaps are marked-to-market daily and the change in value is recorded as unrealized appreciation/depreciation of swap contracts. A termination payment by the counterparty or the fund is recorded as realized gain or loss, as well as the net periodic payments received or paid by the fund. The value of the swap will typically impose collateral posting obligations on the party that is considered out-of-the-money on the swap.

During the period ended January 31, 2018, the fund used interest rate swaps to manage against anticipated interest rate changes.

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

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More information

How to contact us

Phone

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College Station, TX 77842-3170

Customer service representatives **800-852-0218** Portfolio commentary **800-344-7054**

24-hour automated information **800-843-0090** TDD line **800-231-5469**

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This report is for the information of the shareholders of John Hancock Tax-Advantaged Dividend Income Fund.

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ITEM 2. CONTROLS AND PROCEDURES.

- (a) Based upon their evaluation of the registrant's disclosure controls and procedures as conducted within 90 days of the filing date of this Form N-Q, the registrant's principal executive officer and principal accounting officer have concluded that those disclosure controls and procedures provide reasonable assurance that the material information required to be disclosed by the registrant on this report is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms.
- (b) There were no changes in the registrant's internal control over financial reporting that occurred during the registrant's last fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

ITEM 3. EXHIBITS.

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

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

John Hancock Tax-Advantaged Dividend Income Fund

By: /s/ Andrew G. Arnott Andrew G. Arnott President

Date: March 19, 2018

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By: /s/ Andrew G. Arnott Andrew G. Arnott President

Date: March 19, 2018

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

Date: March 19, 2018