Madison Strategic Sector Premium Fund Form N-Q May 26, 2016

OMB APPROVAL

OMB Number: 3235-0578 Expires: March 31, 2019 Estimated average burden hours per response....10.5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-21713

Madison Strategic Sector Premium Fund (Exact name of registrant as specified in charter)

550 Science Drive, Madison, WI 53711 (Address of principal executive offices)(Zip code)

Lisa R. Lange
Chief Legal Officer and Chief Compliance Officer
Madison Asset Management, LLC
550 Science Drive
Madison, WI 53711
(Name and address of agent for service)

Registrant's telephone number, including area code: 608-274-0300

Date of fiscal year end: December 31

Date of reporting period: March 31, 2016

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (ss 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the

burden to the Secretary, Securities and Exchange Commission, 100 F Street, NE, Washington, DC 20549-0609.	The
OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. s 3507.	

Item 1. Schedule of Investments.

Madison Funds | March 31, 2016 Madison Strategic Sector Premium Fund Portfolio of Investments (unaudited)

COMMON STOCKS - 79.9%	Shares Value (Note 1)
Consumer Discretionary - 10.0% CarMax Inc. * (A) CBS Corp., Class B (A) Discovery Communications Inc., Class A * (A) Discovery Communications Inc., Class C * Johnson Controls Inc. (A) Nordstrom Inc. (A)	26,400\$1,349,040 37,5002,065,875 18,400526,792 21,500580,500 37,1001,445,787 22,1001,264,341 7,232,335
Consumer Staples - 7.9% Costco Wholesale Corp. (A) Diageo PLC, ADR (A) Hershey Co./The (A) JM Smucker Co./The (A) Tyson Foods Inc., Class A (A)	7,200 1,134,576 13,5001,456,245 13,0001,197,170 5,000 649,200 19,4001,293,204 5,730,395
Energy - 7.1% Apache Corp. (A) Baker Hughes Inc. (A) California Resources Corp. EOG Resources Inc. (A) Occidental Petroleum Corp. (A) Schlumberger Ltd. (A)	16,400800,484 31,0001,358,730 1,187 1,223 14,2001,030,636 12,200834,846 14,9001,098,875 5,124,794
Financials - 9.2% American Tower Corp. (A) PNC Financial Services Group Inc./The (A) Progressive Corp./The (A) State Street Corp. (A) T. Rowe Price Group Inc. (A)	14,8001,515,076 18,1001,530,717 14,300502,502 21,5001,258,180 25,9001,902,614 6,709,089
Health Care - 14.5% Agilent Technologies Inc. (A) Biogen Inc. * (A) Cerner Corp. * (A) Express Scripts Holding Co. * (A) Gilead Sciences Inc. (A) HCA Holdings Inc. * (A) McKesson Corp. (A) Varian Medical Systems Inc. * (A)	27,9001,111,815 6,200 1,613,984 33,6001,779,456 17,4001,195,206 8,500 780,810 15,3001,194,165 8,800 1,383,800 18,5001,480,370

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See accompanying Notes to Portfolios of Investments. 2

Madison Funds | March 31, 2016 Madison Strategic Sector Premium Fund Portfolio of Investments (unaudited)

Industrials

11.1%

Jacobs

Engineering

Group 39,900 Inc. 1,737,645

(A)

PACCAR

In 8,500 1,011,765

(A) United Parcel Service

Int5,800 1,666,426

Class В

(A) United

Technologies 2,432,430 Corp.

(A)

W.W. Grainger 5,200 Inc. 1,213,836

(A)

8,062,102

Information Technology

18.0%

Apple

127,300 2,975,427

(A)

1,265,875

Linear

Technology 31,300 Corp. 1,394,728

(A)

M8c1locoft 2,104,263

Corp.

```
(A)
Nuance
Communications
I65,800
             1,229,802
(A)
Oracle
C9:300
             1,607,763
(A)
QUALCOMM
125,500
             1,304,070
(A)
Visa
Inc.,
C1141,$900
             1,139,552
Α
(A)
             13,021,480
Telecommunication
Service
2.1%
T-Mobile
U.S.
39,600
Inc.
             1,516,681
Total
Common
Stocks
             57,936,482
(Cost
$63,856,367
INVESTMENT
COMPANIES
5.2%
SPDR
Gold
Sh8,600
             2,116,800
(A)
SPDR
S&P
500
8100
ETF
             1,665,036
Trust
(A)
```

3,781,836

Total Investment Companies (Cost \$3,780,478) SHORT-TERM **INVESTMENTS** 13.5% State Street Institutional U.S. Government Mg/867,539 9,787,539 Market Fund, 0.24%, Premier Class Total Short-Term Investments 9,787,539 (Cost \$9,787,539) Par Value U.S. **GOVERNMENT AND AGENCY OBLIGATIONS** 5.5% U.S. Treasury Bill **(B4)**,000,000 3,998,047 (C), 0.324%, 5/26/16 Total U.S. Government and Agency 3,998,047 Obligations (Cost \$3,998,047)

TOTAL

INVESTMENTS

75,503,904

- 104.1% (Cost \$81,422,431) **NET OTHER ASSETS AND** 76,166 LIABILITIES - 0.1% **TOTAL** CALL & **PUT** (3,066,350)**OPTIONS** WRITTEN -(4.2%)

See accompanying Notes to Portfolios of Investments. 3

Madison Funds | March 31, 2016 Madison Strategic Sector Premium Fund Portfolio of Investments (unaudited)

TOTAL NET ASSETS - 100.0%

\$72,513,720

- Non-income producing.
 All or a portion of these securities' positions represent covers
- (A) (directly or through conversion rights) for outstanding options written. Rate noted represents
- (B) annualized yield at time of purchase.
 All or a portion of these securities are segregated as collateral for put
- (C) options written.
 As of March 31,
 2016, the total
 amount
 segregated was
 \$3,998,047.
 American

ADR Depositary Receipt.

ETF Exchange Traded

Fund.

PLC Public Limited Company.

Call Options Written	Contracts (100 Shares Per Contract)	Expiration Date	Strike	e Price	Value (Note 1)
	74		\$	37.50	\$18,241

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Agilent Technologies		April 2016		
Inc.		2010		
Agilent				
Technologies	205	May 2016	40.00	28,598
Inc.	203	Way 2010	10.00	20,570
American				
Tower	80	April	97.50	41,600
Corp.	00	2016	71.50	+1,000
American				
	68	July 2016	100.00	35,020
Tower	00	July 2016	100.00	33,020
Corp.		A		
Apache	85	April	40.00	77,138
Corp.		2016		
Apple	105	April	100.00	96,075
Inc.		2016		,
Apple	68	May 2016	100.00	69,190
Inc.		<i>y</i>		,
Apple	100	May 2016	105.00	63,500
Inc.	100	111aj 2010	102.00	05,500
Baker		April		
Hughes	155	2016	44.00	33,325
Inc.		2010		
Baker		April		
Hughes	133	2016	50.00	3,258
Inc.		2010		
Biogen	47	May 2016	270.00	40 115
Inc.	47	May 2016	270.00	49,115
Biogen	1.5	Jun a 2016	200.00	14.025
Inc.	15	June 2016	280.00	14,925
CarMax	164	April	47.50	74.600
Inc.	164	2016	47.50	74,620
CarMax	100	April	55.00	0.750
Inc.	100	2016	55.00	8,750
CBS				
Corp.,	a =	April	.= -0	
Class	85	2016	47.50	62,263
В				
CBS				
Corp.,		April		
Class	190	2016	55.00	20,615
В		2010		
CBS				
Corp.,				
Class	100	June 2016	55.00	26,300
B				
Cerner		April		
Corp.	99	2016	55.00	2,475
Cerner		2010		
Corp.	90	May 2016	55.00	11,700
corp.	147	June 2016	55.00	24,255
	- ''	2010	55.50	,

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See accompanying Notes to Portfolios of Investments.

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Madison Funds | March 31, 2016 Madison Strategic Sector Premium Fund Portfolio of Investments (unaudited)

Johnson Colratiols Inc.	April 2016	37.00	37,925
Linear Tel Molo Corp.	May 2016	42.00	62,725
Linear Teb 20 0olo Corp.	May gy 2016	44.00	22,200
McKesso Corp.	nApril 2016	170.00	520
McKesso Corp.	2016	170.00	5,040
Microsoft Corp.	April 2016	52.50	15,785
Microsoft 60 Corp.	April 2016	55.00	5,490
Microsoft 121 Corp.	t May 2016	55.00	24,382
Microsoft 145 Corp.	2016	55.00	32,335
Nordstron Inc.	2016	50.15	79,750
Nordstron III Inc.	nJuly 2016	60.00	21,478
Nuance Contanun Inc.	April ications 2016	19.00	18,095
Occidenta Peli22eun Corp.	al May ¹ 2016	70.00	23,546
Oracle Corp.	April 2016	36.00	68,655
Oracle 105 Corp.	May 2016	39.00	24,308
Oracle 150 Corp.	June 2016	41.00	21,825
PACCAR Inc.	2016	48.60	55,675
PACCAR 100 Inc.	2016	55.00	19,000
PN ® 1 Financial	May 2016	87.50	19,729

Services			
Group			
Inc./The			
Progressi	vNe lay	32.00	46,475
Corp./Th			
QUALCO	2016	50.00	19,687
Inc.			
- 130	2016	52.50	18,200
Inc. Schlumb			
Ltd.	2016	75.00	11,547
SPDR	2010		
Gdl310	April	109.00	113,425
Shares	2016	107.00	110,120
SPDR			
S&P	3.7		
50 0 1	May	207.00	26,123
ETF	2016		
Trust			
State	May		
Striker	2016	57.50	29,550
Corp.	2010		
State	May		
Strieles	2016	60.00	18,975
Corp.	2010		
T.			
Rowe	April	70.00	52 000
Prikæ0	2016	70.00	52,000
Group			
Inc. T.			
Rowe			
Prik29	July	75.00	30,315
Group	2016	75.00	30,313
Inc.			
Tyson			
Foods	,		
Ind.94	April	52.50	277,420
Class	2016		
A			
United			
Parcel			
Service	April	95.00	168,270
Inc.,	2016	23.00	100,270
Class			
B	3.6	00.00	105 500
Unli 26 d	May	90.00	127,500
Parcel	2016		
Service			
Inc.,			
Class			

B United Technolo Corp.	May gjes 2016	97.50	48,970
Varian Medical Systems Inc.	May 2016	80.00	25,808
Visa Inc. Class A	May 2016	75.00	49,170
W.W. Granger Inc.	April 2016	195.00	200,200
Total Ca Written ((Premiu	ms \$	3,053,313
Put Options Written			
CarMax I 10 Inc.	April 2016	47.50	11,550
Gilead Sc&nces Inc.	April 2016	85.00	1,487
received	(Premius \$69,096	ms \$	13,037
Total Op Written, Premium \$1,897,5	at Value us receive		3,066,350

See accompanying Notes to Portfolios of Investments.

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Madison Funds | March 31, 2016 Madison Strategic Sector Premium Fund Portfolio of Investments (unaudited)

1. Portfolio Valuation: Madison Strategic Sector Premium Fund (the "Fund") values securities traded on a national securities exchange are valued at their closing sale price, except for securities traded on the National Association of Securities Dealers Automated Quotation System ("NASDAQ"), which are valued at the NASDAQ official closing price ("NOCP"), and options, which are valued at the mean between the best bid and best ask price across all option exchanges. Debt securities having maturities of 60 days or less are valued at amortized cost, which approximates market value. Debt securities having longer maturities are valued on the basis of the last available bid prices or current market quotations provided by dealers or pricing services approved by the Fund. Mutual funds are valued at their Net Asset Value ("NAV"). Securities for which market quotations are not readily available are valued at their fair value as determined in good faith under procedures approved by the Board of Trustees.

At times, the Fund maintains cash balances at financial institutions in excess of federally insured limits. The Fund monitors this credit risk and has not experienced any losses related to this risk.

2. Fair Value Measurements: The Fund has adopted Financial Accounting Standards Board ("FASB") applicable guidance on fair value measurements. Fair value is defined as the price that each fund would receive upon selling an investment in a timely transaction to an independent buyer in the principal or most advantageous market of the investment. A three-tier hierarchy is used to maximize the use of observable market data "inputs" and minimize the use of unobservable "inputs" and to establish classification of fair value measurements for disclosure purposes. Inputs refer broadly to the assumptions that market participants would use in pricing the asset or liability, including assumptions about risk (for example, the risk inherent in a particular valuation technique used to measure fair value including such a pricing model and/or the risk inherent in the inputs to the valuation technique). Inputs may be observable or unobservable.

Observable inputs are inputs that reflect the assumptions market participants would use in pricing the asset or liability developed based on market data obtained from sources independent of the reporting entity. Unobservable inputs are inputs that reflect the reporting entity's own assumptions about the assumptions market participants would use in pricing the asset or liability developed based on the best information available under the circumstances. The three-tier hierarchy of inputs is summarized in the three broad Levels listed below:

Level 1 - unadjusted quoted prices in active markets for identical investments

Level 2 - other significant observable inputs (including quoted prices for similar investments, interest rate volatilities, prepayment speeds, credit risk, benchmark yields, transactions, bids, offers, new issues, spreads and other relationships observed in the markets among comparable securities, underlying equity of the issuer; and proprietary pricing models such as yield measures calculated using factors such as cash flows, financial or collateral performance and other reference data, etc.)

Level 3 - significant unobservable inputs (including the Fund's own assumptions in determining the fair value of investments)

The valuation techniques used by the Fund to measure fair value for the period ended March 31, 2016, maximized the use of observable inputs and minimized the use of unobservable inputs.

There were no transfers between classification levels during the period ended March 31, 2016. As of and during the period ended March 31, 2016, the Fund did not hold securities deemed as a Level 3.

The following is a summary of the inputs used as of March 31, 2016, in valuing the Fund's investments carried at fair value:

Description	Active Markets for Identical	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Value at	03/31/16
Assets:1					
Common Stocks	\$57,936,482	0	0	\$	57,936,482
Investment Companies	3,781,836	0	0	3,781	,836
Short-Term Investments	9,787,539	0	0	9,787	,539
U.S. Government and Agency Obligations	0	3,998,047	0	3,998	,047
	\$71,505,857	\$3,998,047	7 0	\$	75,503,904
Liabilities:					
Written Options	\$3,066,350	0	0	\$	3,066,350

¹ Please see the Portfolio of Investments for a listing of all securities within each category.

See accompanying Notes to Portfolios of Investments. 6

Madison Funds | March 31, 2016 Madison Strategic Sector Premium Fund Portfolio of Investments (unaudited)

Derivatives: The FASB issued guidance intended to enhance financial statement disclosure for derivative instruments and hedging activities and enable investors to understand: a) how and why a Fund uses derivative investments, b) how derivative instruments and related hedge fund items are accounted for, and c) how derivative instruments and related hedge items affect a Fund's financial position, results of operations and cash flows.

The following table presents the types of derivatives in the Fund and their effect:

Derivatives not accounted for as hedging instruments

Equity contracts - Options written

Liability Derivatives
Fair Value
\$3,066,350

3. Federal Income Taxes: Information on the tax components of investments, excluding option contracts, as of March 31, 2016, is as follows:

Cost \$81,422,431 Gross appreciation 1,007,478 Gross depreciation (6,926,005) Net depreciation \$(5,918,527)

4. Discussion of Risks: Please see the Fund's prospectus for a complete discussion of risks associated with investing in the Fund.

Equity Risk. The value of the securities held by the Fund may decline due to general market and economic conditions, perceptions regarding the industries in which the issuers of securities held by the Fund participate, or factors relating to specific companies in which the Fund invests.

Option Risk. There are several risks associated with transactions in options on securities. For example, there are significant differences between the securities and options markets that could result in an imperfect correlation between these markets, causing a given transaction not to achieve its objectives. A decision as to whether, when and how to use options involves the exercise of skill and judgment, and even a well-conceived transaction may be unsuccessful to some degree because of market behavior or unexpected events.

As the writer of a covered call option, the Fund forgoes, during the option's life, the opportunity to profit from increases in the market value of the security covering the call option above the sum of the premium and the strike price of the call, but retains the risk of loss should the price of the underlying security decline. The writer of an option has no control over the time when it may be required to fulfill its obligation as a writer of the option. Once an option writer has received an exercise notice, it cannot effect a closing purchase transaction in order to terminate its obligation under the option and must deliver the underlying security at the exercise price.

When the Fund writes covered put options, it bears the risk of loss if the value of the underlying stock declines below the exercise price. If the option is exercised, the Fund could incur a loss if it is required to purchase the stock underlying the put option at a price greater than the market price of the stock at the time of exercise. While the Fund's

potential gain in writing a covered put option is limited to the interest earned on the liquid assets securing the put option plus the premium received from the purchaser of the put option, the Fund risks a loss equal to the entire value of the stock.

Foreign Investment Risk. Investing in non-U.S. issuers may involve unique risks such as currency, political, and economic risks, as well as lower market liquidity, generally greater market volatility and less complete financial information than for U.S. issuers.

Mid-Cap Company Risk. Mid-Cap companies often are newer or less established companies than larger companies. Investments in mid-cap companies carry additional risks because earnings of these companies tend to be less predictable; they often have limited product lines, markets, distribution channels or financial resources; and the management of such companies may be dependent upon one or a few key people. The market movements of equity securities of mid-cap companies may be more abrupt or erratic than the market movements of equity securities of larger, more established companies or the stock market in general.

Industry Concentration Risk. To the extent that the Fund makes substantial investments in a single industry, the Fund will be more susceptible to adverse economic or regulatory occurrences affecting those sectors.

Fund Distribution Risk. In order to make regular quarterly distributions on its common shares, the Fund may have to sell a portion of its investment portfolio at a time when independent investment judgment may not dictate such action. In addition, the Fund's ability to make distributions more frequently than annually from any net realized capital gains by the Fund is subject to the Fund obtaining exemptive relief from the Securities and Exchange Commission, which cannot be assured. To the extent the total quarterly distributions for a year exceed the Fund's net investment company income and net realized capital gain for that year, the excess will generally constitute a return of the Fund's capital to its common shareholders. Such return of capital distributions generally are tax-free up to the amount of a common shareholder's tax basis in the common shares (generally, the amount paid for the common shares). In addition, such excess distributions will decrease the Fund's total assets and may increase the Fund's expense ratio.

Financial Leverage Risk. The Fund is authorized to utilize leverage through the issuance of preferred shares and/ or the Fund may borrow or issue debt securities for financial leveraging purposes and for temporary purposes such as settlement of transactions. Although the use of any financial leverage by the Fund may create an opportunity for increased net income, gains and capital appreciation for common shares, it also results in additional risks and can magnify the effect of any losses. If the income and gains earned on securities purchased with financial leverage proceeds are greater than the cost of financial leverage, the Fund's return will be greater than if financial leverage had not been used. Conversely, if the income or gain from the securities purchased with such proceeds does not cover the cost of financial leverage, the return to the Fund will be less than if financial leverage had not been used. Financial leverage also

See accompanying Notes to Portfolios of Investments.

Madison Funds | March 31, 2016 Madison Strategic Sector Premium Fund Portfolio of Investments (unaudited)

increases the likelihood of greater volatility of the NAV and market price of, and dividends on, the common shares than a comparable portfolio without leverage.

Market Developments Risk. Global and domestic financial markets have periodically experienced periods of unprecedented turmoil. Recently, markets have witnessed more stabilized economic activity as expectations for an economic recovery increased. However, risks to a robust resumption of growth persist. A return to unfavorable economic conditions or sustained economic slowdown could adversely impact the Fund's portfolio. Financial market conditions, as well as various social and political tensions in the United States and around the world, may contribute to increased market volatility and have long-term effects on the United States and worldwide financial markets and cause further economic uncertainties or deterioration in the United States and worldwide. The Fund's Investment Adviser cannot predict the effects of these or similar events in the future on the United States and global economies and securities markets.

Cybersecurity Risk. The Fund is also subject to cybersecurity risk, which include the risks associated with computer systems, networks and devices to carry out routine business operations. These systems, networks and devices employ a variety of protections that are designed to prevent cyberattacks. Despite the various cyber protections utilized by the Fund, the Investment Adviser, and other service providers, their systems, networks, or devices could potentially be breached. The Fund, its shareholders, and the Investment Adviser could be negatively impacted as a result of a cybersecurity breach. The Fund cannot control the cybersecurity plans and systems put in place by service providers or any other third parties whose operations may affect the Fund. The Fund does monitor this risk closely.

Additional Risks. While investments in securities have been keystones in wealth building and management, at times these investments have produced surprises. Those who enjoyed growth and income of their investments generally were rewarded for the risks they took by investing in the markets. Although the Investment Adviser seeks to appropriately address and manage the risks identified and disclosed to you in connection with the management of the securities in the Fund, you should understand that the very nature of the securities markets includes the possibility that there may be additional risks of which we are not aware. We certainly seek to identify all applicable risks and then appropriately address them, take appropriate action to reasonably manage them and to make you aware of them so you can determine if they exceed your risk tolerance. Nevertheless, the often volatile nature of the securities markets and the global economy in which we work suggests that the risk of the unknown is something to consider in connection with an investment in securities. Unforeseen events could under certain circumstances produce a material loss of the value of some or all of the securities we manage for you in the Fund.

See accompanying Notes to Portfolios of Investments.

Madison Funds | March 31, 2016 Madison Strategic Sector Premium Fund Portfolio of Investments (unaudited)

Item 2. Controls and Procedures.

(a) The registrant's principal executive officer and principal financial officer determined that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c)) under the Investment Company Act of 1940 (the "Act") are effective, based on their evaluation of these controls and procedures within 90 days of the date of this report based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the Act. There were no significant changes in the Trust's internal controls or in other factors that could significantly affect these controls subsequent to the date of their evaluation. The officers identified no significant deficiencies or material weaknesses.

(b) There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the Act) 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.

Certifications of principal executive and principal financial officers as required by Rule 30a-2(a) under the Act.

SIGNATURES

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

Madison Strategic Sector Premium Fund

By: /s/ Lisa R. Lange

Lisa R. Lange, Chief Compliance Officer

Date: May 26, 2016

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

By: /s/ Katherine L. Frank

Katherine L. Frank, Principal Executive Officer

Date: May 26, 2016

By: /s/ Greg Hoppe

Greg Hoppe, Principal Financial Officer

Date: May 26, 2016

See accompanying Notes to Portfolios of Investments.