



**West Virginia College Prepaid Tuition and Savings Program
BOARD OF TRUSTEES MEETING MARCH 20, 2021
MINUTES**

The Quarterly Meeting of the Board of Trustees of the West Virginia College Prepaid Tuition and Savings Program was called to order by Treasurer Moore, Chair, on Wednesday, March 10, 2021 at 10:00 am. A silent roll call was taken and a quorum was established. The following members were present, Board Chair, Treasurer Riley Moore, Dr. Daniel Anderson, Ms. Phyllis Arnold, Dr. Bonny Copenhaver, Ms. Terri Underhill-Rader, Mr. Patrick Smith, Mr. Phillip Uy representing the State Superintendent of Schools, and Mr. Brian Weingart.

The following consultants and guests attended, Mr. Jeff Cohan, Mr. Chris Morvant, Ms. Justine Bartholomew, Mr. James Glendon, Ms. Allison Mortensen, and Mr. Jørn Otte representing Hartford Funds; Mr. John Krimmel and Mr. Tim Fitzgerald, Program Investment Consultants, representing NEPC, LLC. and, Mr. Dan Sherman of Sherman Actuarial Services.

The following WVSTO staff members attended: Deputy Treasurer, Susan Basile; Mr. Dave Thomas; Mr. Greg Curry; Ms. Lynda King; Ms. Amy Hamilton; STO SMART529 Counsel, Ms. Lindsay Marchio; Internal Program Investment Consultant, Mr. Karl Shanholtzer; Deputy Treasurer of Marketing, Ms. Gina Joynes; STO Chief Of Staff, Mr. Steve Bohman; Mr. Justin Warden and; Mr. Keith Peck.

The Agenda consisted of the following,

- Call to Order - Roll Call to determine quorum
 - I. Approval of minutes
 - a. December 9, 2020 Quarterly meeting
 - b. January 29, 2021 Special Meeting TAB 1
 - II. Audit Finance Committee TAB 2
 - a. Approval of minutes December 8, 2020 meeting
 - b. Approval of minutes January 29, 2021 Special meeting
 - III. Chairman's Report - Deputy Treasurer, Susan Basile TAB 3
 - IV. Program Investment Consultant Reports - NEPC TAB 4
 - a. John Krimmel - Prepaid Tuition
 - b. Tim Fitzgerald - Savings Program
 - c. Tim Fitzgerald - Due Diligence Meetings
 - V. Program Actuary
 - a. Interim Actuarial Report as of December 31, 2020 TAB 5
 - VI. Program Manager TAB 6
 - a. Program Manager's Report
 - b. The Hartford SMART529 Reallocation Proposal
 - c. SMART529 Direct Reallocation Proposal
 - VII. Program Investment Consultant - NEPC
 - a. John Krimmel - Interim Oral Report on Hartford's Reallocation Proposals
 - VIII. Other Business TAB 7
- Adjournment

Agenda Item I. Approval of Minutes

The Chair moved for the approval of minutes of the December 9, 2020 meeting, which were distributed to the members in advance of the meeting. A motion to accept the minutes was made by Ms. Arnold and seconded by Dr. Copenhagen. The Chair asked if there were any corrections or additions to the minutes. There being none, he polled the members and the minutes stand approved as presented.

The Chair moved for the approval of minutes of the January 29, 2021 special meeting, which were distributed to the members in advance of the meeting. A motion to accept the minutes was made by Dr. Anderson, seconded by Mr. Weingart. The Chair asked if there were any corrections or additions to the minutes. There being none, he polled the members and the minutes stand approved as presented.

Agenda Item II. Audit Finance Committee

The Chair moved to the next order of business and stated that a meeting had not been held and approval of the minutes will be tabled.

Agenda Item III. Chairman's Report

The Chair then moved to the next order of business and recognized Deputy Treasurer Basile to give a summary of the quarterly report, which is attached hereto and made a part hereof. Ms. Basile reported that the SMART529 Savings Program had reached an amount of Three Billion Dollars for assets under management. She reported that the Savings Program added more than 400 accounts for the quarter ended December 31, 2020, which compared favorably to the quarter ending December 31, 2019, despite the 2020 COVID-19 pandemic.

Agenda Item IV. Program Investment Consultant Reports

The Chair moved to the next Agenda Item and recognized the NEPC Program Investment Consultants. Mr. Krimmel stated the fourth quarter was a great quarter for investors. He continued with his quarterly report and turned it over to Mr. Fitzgerald to report on the savings program, which report is attached hereto and made a part hereof. Mr. Fitzgerald also presented a memo regarding NEPC's and STO's annual due diligence meeting on various Hartford Funds.

Agenda Item V. Program Actuary

The Chair recognized Mr. Sherman for the interim actuarial report as of December 31, 2020, which is attached hereto and made a part hereof. The market value of assets as of December 31, 2020 was \$4,915,631 with a funded ratio of 51.9%. As of December 31, 2020, the Escrow Account balance was \$27,787,573. If combined, the funded ratio would be 345.4%.

The Chair thanked Mr. Sherman for his report and moved to the next agenda item.

Agenda Item VI. Program Manager

The Chair recognized Hartford Funds representative, Mr. Morvant, to present the Program Manager's report. It was a strong year for the program, even given the uncertainty of investments related to Covid. Investors were able to prioritize education and weather the storm of the pandemic.

Ms. Bartholomew presented the report on website traffic to SMART529.com, marketing during the WVU football season and added that the Program was achieving increased visibility and that its "branding" was good. She reported that electronic applications for the *When I Grow Up* contest are available and that the website has completed all changes to become ADA compliant. Ms. Bartholomew provided reporting on the marketing budget.

To conclude the Program Manager's report, Mr. Otte gave a brief report on creative ways to reach out to financial professionals and feels that webinars have been a great resource. The Program Manager's Report is attached hereto and made a part hereof. A motion to accept the report was made by Mr. Weingart and seconded by Ms. Arnold. The Chair asked if there was any discussion. There being none, he polled the members and the report was approved unanimously.

Mr. Morvant presented the reallocation proposals and will seek approval of same at the June Board meeting.

- Advisor sold plan - The Hartford SMART529 Reallocation Proposal

Mr. Morvant introduced Allison Mortensen and James Glendon to report on the portfolio and proposed glide path changes, that would change equity step downs between age-bands to no more than 10 percent. At this time, Treasurer Moore had to attend another meeting and appointed Mr. Steve Bohman to be his designee as Chair.

Ms. Mortenson turned the report over to Mr. Glendon to discuss the portfolio construction process behind the proposed reallocations. Mr. Glendon gave details on the proposal and reasons for requested changes. The detailed proposal is attached hereto and made a part hereof.

- SMART529 WV Direct Reallocation Proposal

Mr. Morvant reviewed the proposal and restated that Hartford would ask for approval at the June meeting.

VII. Program Investment Consultant - NEPC

Mr. Bohman requested representatives of Hartford Funds to leave the meeting until notified to rejoin. He then recognized NEPC for Mr. Krimmel's oral report on the proposals made by Hartford Funds. After discussion, the Board agreed to research and consider the proposals further. After Mr. Krimmel's comments, Hartford representatives rejoined the meeting.

VIII. Other Business

The next Board of Trustees meeting is scheduled for June 9, 2021 at 10:00 am. As there was no further business to bring before the Board, the meeting adjourned at 11:42 am.

Submitted by Lynda King, Board Secretary



Riley Moore, Treasurer
Board of Trustees Chair



West Virginia College Prepaid Tuition and Savings Program

Quarterly Meeting
Wednesday, March 10, 2021 10:00 am

TEAMS MEETING
Treasurer's Conference Room ~ 322 70th Street SE Charleston WV

Agenda

Call to Order
Roll Call

- I. Approval of Board meeting minutes
 - a. December 9, 2020 Quarterly meeting
 - b. January 29, 2011 Special Meeting TAB 1
- II. Approval of Audit & Finance Committee meeting minutes TAB 2
 - a. December 8, 2020 meeting
 - b. January 29, 2021 Special meeting
- III. Chairman's Report – Treasurer Moore TAB 3
- IV. Program Investment Consultant Reports - NEPC TAB 4
 - a. John Krimmel - Prepaid Tuition
 - b. Tim Fitzgerald - Savings Program
 - c. Tim Fitzgerald – Due Diligence Meeting
- V. Program Actuary
 - a. Interim actuarial report as of December 31, 2020 TAB 5
- VI. Program Manager – Hartford Funds TAB 6
 - a. Program Manager's Report
 - b. The Hartford SMART529 Reallocation Proposal
 - c. SMART529 Direct Reallocation Proposal
- VII. Program Investment Consultant - NEPC
 - a. John Krimmel – Interim Oral Report on Hartford's reallocation proposals
- VIII. Other Business TAB 7

Adjournment

The next Board of Trustees meeting is scheduled for June 9, 2021 at 10:00

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A Program of the Office
of the West Virginia State Treasurer



West Virginia College Prepaid Tuition and Savings Program

Board of Trustees Quarterly Board Meeting



Wednesday, March 10, 2021 – 10:00 am

Board of Trustees

Treasurer Riley Moore
Dan Anderson
Phyllis Arnold
Bonny Copenhaver
Phillip Uy for Superintendent Burch
Terry Underhill Rader
Patrick Smith
Brian Weingart

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Tab 1
Approval of
minutes

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West Virginia College Prepaid Tuition and Savings Program December 9, 2020 Board of Trustees TEAMS Meeting

The Quarterly Meeting of the Board of Trustees of the West Virginia College Prepaid Tuition and Savings Program was called to order by Treasurer John D. Perdue, Chair, on Wednesday, December 9, 2020 at 9:30 am via Microsoft TEAMS. A roll call was taken and a quorum was established. The following members were present: Treasurer John D. Perdue, Chair; Ms. Phyllis Arnold; Dr. Bonny Copenhaver; Mr. Bob Galloway; Mr. Phillip Uy representing the Department of Education; and, Ms. Terri Underhill-Rader. Mr. Brian Weingart was not available.

The following consultants and guests were present: Mr. Jim Davey, Mr. Brian Cook, Mr. Jeff Cohan, Mr. Chris Morvant, Mr. Jørn Otte, and Ms. Justine Bartholomew representing Hartford Funds; Mr. John Krimmel and Mr. Tim Fitzgerald representing NEPC, LLC - Program Investment Consultants; Ms. Andrea Feirstein, AKF Consulting, and Mr. Dan Sherman, Sherman Actuarial Services.

The following WVSTO staff members were present: Ms. Susan Basile, Deputy Treasurer; Mr. Tom Vogel; Mr. Dave Thomas; Mr. Greg Curry; Ms. Gina Joynes; Ms. Lynda King; Ms. Amy Hamilton; Ms. Sarah Canterbury; Treasurer-Elect Riley Moore; Ms. Lindsay Marchio, Board Counsel; and, Mr. Brian Bailey, ITS department.

The Agenda consisted of the following:

- Call to Order
- Roll Call
- I. Approval of minutes of September 2, 2020 meeting TAB 1
- II. Audit and Finance Committee – Bob Galloway TAB 2
 - a. Motion to Ratify Committee’s Acceptance of FY2020 Audited Financials
 - b. Motion to Ratify Committee’s Acceptance of Minutes of November 12, 2020 Working/Education Session
- III. Chair’s Report and Quarterly Status Report Ending September 30 TAB 3
- IV. Program Consultant TAB 4
 - a. AKF Consulting Group-Andrea Feirstein- Presentation Glidepath/Morningstar
 - b. NEPC Quarterly Report - John Krimmel and Tim Fitzgerald
 - i. Recommendation – WV Prepaid Tuition Trust Fund Escrow Funds
 - ii. Recommendation – WV SMART529 Glidepath Considerations
- V. Program Manager –Hartford Funds TAB 5
 - a. Hartford Funds Update - Presenter - Jim Davey
 - b. Program Manager’s Report – Jeff Cohan and Chris Morvant
 - c. ETF Education - Chris Morvant and Brian Miller
- VI. Other Business TAB 6

Adjournment

Agenda Item I. Approval of September 2, 2020 Board meeting

As there were no corrections or additions to the minutes, the Chair recognized Ms. Arnold for a motion to accept the minutes as circulated. The motion was seconded by Dr. Copenhaver and the motion was approved unanimously.

Agenda Item II. Audit and Finance Committee Report

The Chair recognized Mr. Galloway for the Audit and Finance Committee report. Mr. Galloway reported that the FY2020 Audited Financials were received on behalf of the Board. A motion to ratify the acceptance of the Audited Financials was made by Mr. Galloway, seconded by Ms. Arnold and the motion was approved unanimously.

Agenda Item III. Chairman's Report

The Chair recognized the Deputy Treasurer of SMART529, Ms. Susan Basile, who informed the Board that there would be several education sessions presented to the Board. Andrea Feirstein, of AKF Consulting Inc., would provide education to the Board on the change in Morningstar's ratings methodology. The Deputy Treasurer explained that Morningstar went from 5 to 4 pillars of performance and that its ratings changes were initiated in the fall of 2020. Ms. Basile said that Ms. Feirstein would provide her analysis of the effect of the ratings changes on Morningstar's 2020 evaluations of 529 plans, generally, and on The Hartford SMART529 Plan.

The Deputy Treasurer explained that The Hartford SMART529 maintained its neutral rating again this year, in 2020. Ms. Basile continued by stating, given that the ratings methodology was changed shortly before the fall evaluation of The Hartford SMART529 with Morningstar, and that Morningstar indicated it would no longer give credit for the state income tax deduction that the Plan offers, SMART529 Program staff was pleased to maintain its ranking. Ms. Basile elaborated, providing that very few advisor-sold plans are medalist-rated, in part due to the attached fees. Ms. Basile concluded by saying that the Plan's process rating went up over the year before, thanks to the Hartford's good preparation for the Morningstar evaluation and full discussion of its research and investment processes.

Ms. Basile added that Mr. Chris Morvant would provide general education on Exchange Traded Funds ("ETF") as an investment vehicle, to prepare the Board for Hartford's anticipated March 2021 proposal to shift specified underlying funds to ETFs.

Agenda Item IV. Program Consultants

Moving to the next order of business, the Chair recognized Ms. Andrea Feirstein, AKF Consulting, who presented educational information on Morningstar ratings and glidepaths.

The Chair then recognized the NEPC Program Investment Consultant, Mr. John Krimmel, who provided an overview of the current market environment and the Prepaid Tuition Trust Fund (PTTF) investment performance. Mr. Krimmel continued by discussing that currently the PTTF investment funds are invested in the WVBTI Money Market Pool, while the Escrow Funds are invested in the WVBTI Short-Term Bond Pool. Based upon historical program cash flows, projections indicated that the PTTF investment funds will be depleted during the first half of calendar year 2021. Once the investment funds are exhausted, ongoing Prepaid Plan expenditures will need to be paid out of the Escrow Funds.

Mr. Bob Galloway moved that once the funds are depleted in the Prepaid Tuition Trust Fund, the West Virginia State Treasurer's staff be authorized to transfer Escrow Funds from the WVBTI Short-Term Bond Pool to the WVBTI Money Market Pool to ensure that the Prepaid Tuition Plan expenditures are met on a timely basis. The motion was seconded by Dr. Copenhaver and the motion was approved unanimously.

Mr. Tim Fitzgerald then provided an overview of the Savings Plan's investment performance for the quarter ending September 30, 2020 which he reported was very good. Dimensional Fund representatives will be invited to attend a future meeting to discuss lower performance of certain funds. The NEPC report is attached hereto and made a part hereof.

NEPC recommends that the program administrator review the current asset allocation (equity step downs) in the age-based portfolios and reduce any one step down to approximately 10% or less on or before the September 2021 Board meeting. A motion was made by Mr. Bob Galloway that the program administrator review the current asset allocation (equity step downs) in the age-based portfolios and reduce any one step down to approximately 10% or less on or before the September 2021 Board meeting, and the motion was seconded by Ms. Arnold. After discussion, the Board members were polled, and the motion was approved unanimously.

Agenda Item V. Program Manager

The Chair recognized Hartford Funds, Program Manager, for presentations. Mr. Morvant introduced Mr. Jim Davey, President of Hartford Funds, who stated that he is very proud of the significant milestones the Program has made. Mr. Davey then presented an update on Hartford Funds. The report is attached hereto and made a part hereof.

The Chair recognized Mr. Cohan and Mr. Morvant to present the Program Manager's Report. Mr. Morvant reported that assets and sales were up from last year. After he completed the Hartford presentation, he introduced Ms. Bartholomew who reported on marketing strategies, digital campaigns and the campaign budget. Mr. Otte then reported on his activity in promoting SMART529. The report is attached hereto and made a part hereof.

Mr. Cohan praised Treasurer Perdue for his leadership and his team. He said he has enjoyed the ride. Mr. Morvant continued with education on Exchange Traded Funds (ETF) and introduced Mr. Miller, the head of the Capital Markets and trading teams, for a presentation. Similar to a mutual fund, an ETF is a pooled investment vehicle that offers diversified exposure to a particular area of the market. Investors buy shares, which represent a proportional interest in the pooled assets. Like mutual funds, ETFs are regulated under the Investment Company Act of 1940 by the SEC and have many of the same investment features of mutual funds. The educational report is attached hereto and made a part hereof.

Agenda Item VII. Other Business

Treasurer Perdue introduced Treasurer-Elect Riley Moore, who will officially take office in January 2021.

Adjournment

There being no further business to come before the Board, the meeting adjourned at 12:02 PM.

Prepared by Board Secretary, Lynda King
For Chair, Treasurer John Perdue

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**West Virginia College Prepaid Tuition and Savings Program
BOARD OF TRUSTEES TEAMS MEETING**

**January 29, 2021 11:00 AM
MINUTES**

The Special Meeting of the Board of Trustees of the West Virginia College Prepaid Tuition and Savings Program was called to order by Treasurer Moore, Chair, on Friday, January 29, 2021 at 11:03 am. A silent roll call was taken and a quorum was established. The following members were present: Treasurer Riley Moore, Chair, Ms. Phyllis Arnold, Dr. Bonny Copenhaver, Mr. Phillip Uy representing State Superintendent of Schools, Mr. Brian Weingart, and Ms. Terri Underhill-Rader. Dr. Daniel Anderson was unavailable for the meeting.

The following consultants and guests attended: Mr. Jeff Cohan, Mr. Chris Morvant, Ms. Justine Bartholomew, and Mr. Jørn Otte representing Hartford Funds; and, Mr. John Krimmel and Mr. Tim Fitzgerald representing NEPC, LLC - Program Investment Consultant; and, Mr. Dan Sherman of Sherman Actuarial Services.

The following WVSTO staff members attended: Ms. Susan Basile; Mr. Dave Thomas; Mr. Greg Curry; Ms. Lynda King, Ms. Amy Hamilton; Ms. Sarah Canterbury; Ms. Lindsay Marchio; Mr. Karl Shanholtzer, Ms. Gina Joynes, Mr. Steve Bohman, and, Mr. Brian Bailey.

The Agenda consisted of the following:

- Call to Order

- Roll Call

- I. Review of recommendations for Prepaid Tuition Trust closure and take action as necessary.

- Adjournment

Agenda Item I. Recommendations for Prepaid Tuition Plan closure

Chair Moore presented the following four proposals from the Audit and Finance Committee for the full Board's approval:

1. To adopt a finding that it is infeasible to pay approximately \$20,000 per month in operating costs for remaining prepaid tuition accounts and the Board authorize the Chairman of the Board to direct closure of the Trust Fund when appropriate, in accordance with applicable law.

As there were no questions of counsel on the Audit Committee's recommendation, a motion was made by Mr. Weingart to accept the proposal and was seconded by Ms. Arnold. Hearing no objections or further discussion, the Board was polled and the motion passed unanimously.

2. Authorize the Chairman to direct the Board staff to administer a buyout of all remaining plan units whereby all account owners receive a lump sum final payment at the appropriate time for the remaining plan units using the same valuation and procedures used in the Prepaid buyout in April/May 2020.

As there were no questions of counsel on the Audit Committee's recommendation, the motion was made by Dr. Copenhaver to accept the proposal and was seconded by Mr. Weingart. Hearing no objections or further discussion, the Board was polled and the motion passed unanimously.

3. Authorize the Chairman to terminate the State Treasurer's Office's contract with The Hartford to manage the Prepaid Tuition Plan as the management contract becomes unnecessary due to the termination of the Prepaid Tuition Trust Fund.

As there were no questions of counsel on the Audit Committee's recommendation, the motion was made by Mr. Weingart to accept the proposal and was seconded by Dr. Copenhaver. Hearing no objections or further discussion, the Board was polled and the motion passed unanimously.

4. Authorize the Board's staff to direct the transfer of escrow funds from the West Virginia Board of Treasury Investments (BTI) Short-Term Bond Fund to the BTI Money Market Fund for all proper purposes.

As there were no questions of counsel or the investment consultant on the Audit Committee's recommendation, the motion was made by Ms. Arnold to accept the proposal and was seconded by Mr. Weingart. Hearing no objections or further discussion, the Board was polled and the motion passed unanimously.

There being no further business, a motion to adjourn was made by Dr. Copenhaver and seconded by Mr. Weingart. The motion passed unanimously and the meeting was adjourned at 11:15 am.

Tab 2

Committee Reports

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**West Virginia College Prepaid Tuition and Savings Program
AUDIT & FINANCE COMMITTEE TEAMS MEETING**

**December 8, 2020 2:00 pm
MINUTES**

The Audit and Finance Committee (Committee) meeting was called to order on Tuesday, December 8, 2020 at 2:00 pm. A roll call was taken and a quorum was declared. The following members of the Committee were in attendance: Treasurer John Perdue; Mr. Robert Galloway, Chair; Ms. Phyllis Arnold; Mr. Brian Weingart; and, Dr. Bonny Copenhaver.

The following consultants and guests attended: Mr. Jeff Cohan, Mr. Chris Morvant and Mr. Brian Miller representing Hartford Funds; and, Mr. John Krimmel and Mr. Tim Fitzgerald representing NEPC, LLC - Program Investment Consultants; Dan Sherman, Sherman Actuarial Consultants and, Andrea Feirstein, AKF Consulting.

The following WVSTO staff members attended: Ms. Susan Basile; Mr. Tom Vogel; Mr. Dave Thomas; Mr. Greg Curry; Ms. Lynda King, Ms. Amy Hamilton; Ms. Sarah Canterbury; Ms. Lindsay Marchio; Mr. Karl Shanholtzer and, Mr. Brian Bailey.

The Agenda consisted of the following:

- Call to Order
- Roll Call
- I. Approval of minutes
 - a. October 8, 2020 Special Meeting for Presentation of Audit Report
 - b. November 12, 2020 Meeting – Working Session - Education
- II. AKF Consulting Presentation on Glidepath/Morningstar - Andrea Feirstein
- III. Program Investment Consultant's Report
 - a. Summary
 - b. Recommendation - Investment of Prepaid Tuition Trust Fund Escrow Funds
 - c. Recommendation - WV SMART529 Glidepath Considerations
- IV. Program Managers Report - Summary Tab 5
Adjournment

Agenda Item I. Approval of Minutes

The Chair moved for the approval of past meeting minutes, which were previously circulated. A Motion to accept the October 8, 2020 Quarterly Audit and Finance Committee Meeting minutes as presented was made by Dr. Copenhaver, seconded by Ms. Arnold and the motion was approved unanimously.

A Motion to accept the November 12, 2020 Educational Meeting minutes as presented was made by Ms. Arnold, seconded by Mr. Weingart and the motion was approved unanimously.

Agenda Item II. AKF Consulting Group

The Chair then moved to the next order of business and recognized Ms. Andrea Feirstein, AKF Consulting, who presented information on Glidepath/Morningstar which is attached hereto and made a part hereof. After discussion, the Chair moved to the next agenda item.

Agenda Item III. Program Investment Consultant's Report

Mr. Krimmel, NEPC Consultants, was recognized and presented the market environment for the quarter ending September 30, 2020 and reviewed quarterly investments for the Prepaid Tuition Trust Fund.

Mr. Krimmel continued by discussing that currently the PTTF Investment Funds are invested in the WV Board of Treasury Investments (WVBTI) Money Market Fund, while the Escrow Funds are invested in the WVBTI Short-Term Bond Fund. Based upon historical program cash flows, projections indicated that the Investment Funds will be depleted during the first half of calendar year 2021. Once the Investment Funds are exhausted, ongoing Program expenditures will need to be paid out of the Escrow Funds.

Ms. Arnold moved that once the funds are depleted in the Prepaid Tuition Escrow Fund, the West Virginia State Treasurer's staff be authorized to periodically transfer funds from the WVBTI Short-Term Bond Fund to the WVBTI Money Market Fund to ensure that the Prepaid Tuition Program expenditures are met on timely basis. The motion was seconded by Dr. Copenhaver and the motion was approved unanimously.

Mr. Krimmel then turned the presentation over to Mr. Fitzgerald for the report on the Savings Plan Trust Fund. The reports are attached hereto and made a part hereof.

Mr. Fitzgerald discussed NEPC's recommendation regarding WV SMART529 Glidepath Considerations. NEPC recommends that the program administrator review the current asset allocation (equity step downs) in the age-based portfolios and reduce any one step down to approximately 10% or less on or before the September 2021 Board meeting. Dr. Copenhaver moved to bring the recommendation to the Board at the December 9, 2020 meeting. Mr. Weingart seconded the motion and it was approved unanimously.

Agenda Item IV. Program Managers Report

Mr. Galloway recognized Mr. Morvant for a brief summary on what will be presented to the Board Members at the Board meeting.

There being no further business, Mr. Galloway declared the meeting adjourned at 3:28 pm.



**West Virginia College Prepaid Tuition and Savings Program
SPECIAL AUDIT & FINANCE COMMITTEE TEAMS MEETING**

**January 29, 2021 9:00 am
MINUTES**

The Audit and Finance Committee of the West Virginia Prepaid Tuition and Savings Program Special meeting was called to order on Friday, January 29, 2021 at 9:00 am. A silent roll call was taken and a quorum was declared. The following members of the Committee were in attendance: Treasurer Riley Moore; Ms. Phyllis Arnold, Acting Chair; Mr. Brian Weingart; and, Dr. Bonny Copenhaver.

The following consultants and guests attended: Mr. Jeff Cohan, Mr. Chris Morvant and Mr. Jørn Otte representing Hartford Funds; and, Mr. John Krimmel and Mr. Tim Fitzgerald representing NEPC, LLC - Program Investment Consultants; and, Mr. Dan Sherman of Sherman Actuarial Services.

The following WVSTO staff members attended: Ms. Susan Basile; Mr. Greg Curry; Ms. Lynda King, Ms. Amy Hamilton; Ms. Sarah Canterbury; Ms. Lindsay Marchio; Mr. Karl Shanholtzer and, Mr. Brian Bailey.

The Agenda consisted of the following:

- Call to Order

- Roll Call

- I. Review recommendations for Prepaid Tuition Plan closure and take action as necessary

- Adjournment

Agenda Item I. Recommendations for Prepaid Tuition Plan closure

Ms. Arnold, Acting Chair, recognized Deputy Treasurer Basile to present information on the recommendations of consultants to close the Prepaid Tuition Trust Fund. After Ms. Basile presented documentation to substantiate the recommendations to close the Trust Fund, which is attached hereto and made a part hereof, Ms. Arnold asked if anyone else had anything to add.

After discussion, Mr. Weingart made the motion to recommend to the Board of Trustees, upon advice of counsel, to adopt a finding that it is infeasible to pay approximately \$20,000 per month in operating costs for remaining accounts and authorize the Chairman of the Board to direct closure of the Trust Fund when appropriate, in accordance with applicable law.

The motion was seconded by Dr. Copenhaver and, as there was no further discussion, the committee was polled and the motion was passed unanimously.

There being no further business, a motion to adjourn was made by Dr. Copenhaver and seconded by Mr. Weingart. The motion passed unanimously and the meeting was adjourned at 9:28 am.

DRAFT

Tab 3

Chairman's Report

Quarterly Status Report

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West Virginia College Prepaid Tuition and Savings Program

A Program of the State of West Virginia
Administered by the Office of the West Virginia State Treasurer



Quarterly Status Report Period Ending December 31, 2020

Board Members

Ex Officio Members:

WV State Treasurer John D. Perdue or his representative – Chairman
State Superintendent of Schools, W. Clayton Burch or representative
WV Higher Education Policy Commission - Colleges & Universities, Brian Weingart
Council for Community and Technical Colleges, Dr. Bonny Copenhaver

Appointed Members:

Two private citizens not employed by, or an officer of, the state or any political subdivision of the state:

Phyllis Arnold
Robert Galloway

Representing the interests of private institutions of higher education:

Dr. Daniel Anderson
Terri Underhill-Rader

West Virginia College Prepaid Tuition and Savings Program Quarterly Status Report Ending December 31, 2020

Per W. Va. Code §18-30-10, the West Virginia College Prepaid Tuition and Savings Program is herewith electronically submitting a quarterly report on the status of the program to the West Virginia Legislative Librarian in compliance with W. Va. Code §4-1-23.

Savings Plan Trust Fund

During the quarter, the SMART529 Savings Plan added 1,842 accounts ending the period with 116,280 active nationwide accounts. The assets are valued at \$2,970,363,719

Prepaid Tuition Trust Fund

The West Virginia Prepaid Tuition Plan ended this period with 696 active accounts with assets valued at \$4,915,630. During the quarter, there were \$716,116 in qualified tuition benefit distributions. There were no receipts for the quarter because all accounts were paid in full. Prepaid Tuition Trust Fund investments had a gain of \$1,648 for the quarter.

Prepaid Tuition Trust Fund Escrow Account

	Last Quarter	This Quarter	Fiscal Year to Date
Market Value	\$27,559,511	\$27,787,573	\$27,787,573
Change from previous quarter/year	\$1,137,264	\$228,062	\$2,064,629

Administrative Account

The Administrative Account, established in the State Treasurer's Office, is used for the purpose of implementing, operating, and maintaining the Trust Funds and the Program. It may receive funds from a variety of sources including fees, charges, and penalties collected by the Board.

Beginning balance	\$3,007,755
Receipts from Savings Plan Trust (WV Administrative Charge)	\$ 388,181
Expense Disbursements	<u>\$ (308,023)</u>
Ending Balance	\$3,087,913

Community Outreach

Sponsorship opportunities included Inquire Within, a year-long collaboration among SMART529, West Virginia Public Broadcasting and Cabell County Public Library to increase early childhood literacy. SMART529 sponsored West Virginia University football and basketball including the "play of the game", digital and banner ads and a digital ad during the Liberty bowl game.

Marketing included social media posts and digital advertising buys were increased during the "gifting" season.

Information contained herein is provided by The Hartford, the West Virginia Board of Treasury Investments, Intuition Systems and WVOASIS and has not been audited by an independent certified public accounting firm.

Program Operating Report

For the Quarter Ending December 31, 2020

Cash & Investments		Rates of Return	
Prepaid Tuition Trust Fund	\$ 4,915,630	Prepaid Tuition Trust Fund	
		Ending Quarter	0.04%
Savings Plan Trust Fund	\$ 2,970,363,719	FY2021 To Date	0.11%
		Annualized since investing July 1999	6.26%
Administrative Account	\$ 3,087,913	Note: See Quarterly Investment Performance Review for detail. Rates are not annualized unless otherwise noted.	

Operating Activities			
	Prepaid Tuition Trust Fund	Savings Plan Trust Fund	Administrative Account
Receipts	\$ -	\$ 55,776,812	\$ -
Investment earnings (gain)	1,648	266,795,051	-
Legislative appropriations	-	-	-
Treasurer's subsidy	-	-	-
Savings Plan admin. fees	-	-	388,181
Total Receipts	1,648	322,571,863	388,181
Expenses/Fees	-	5,258,904	308,023
Cancellations/Rollovers	354,193	11,192,541	-
Regular distributions	716,116	49,536,656	-
Expirations	-	-	-
Total Disbursements	1,070,309	65,988,101	308,023
Net change	(1,068,661)	256,583,762	80,158
Beginning cash & investments	5,984,291	2,713,779,957	3,007,755
Ending cash & investments	\$ 4,915,630	\$ 2,970,363,719	\$ 3,087,913

Note: Quarterly Report is based upon unaudited numbers and may *reflect rounding*.

Fiscal Year 2021 Budget to Actual Comparison					
For Period Ending December 31, 2020					
		YTD DISBURSEMENT	BUDGET	OVER (UNDER) BUDGET	% OF BUDGET SPENT (YTD)
Payroll & Benefits	Payroll and Benefits - Full Time	\$ 235,247	\$ 489,378	\$ (254,131)	48.1%
	Payroll and Benefits - Part Time	73,168	124,203	(51,035)	58.9%
	Annual Increment	4,230	6,375	(2,145)	66.4%
	PEIA/Personnel Fees	250	393	(143)	63.6%
	Social Security Matching	23,020	47,427	(24,407)	48.5%
	PEIA	17,680	74,414	(56,734)	23.8%
	Workers' Comp	1,165	1,367	(202)	85.2%
	Unemployment Comp	1,643	-	1,643	*
	Pension & Retirement	22,668	49,576	(26,908)	45.7%
	WV OPEB	6,096	17,239	(11,143)	35.4%
PAYROLL & BENEFITS TOTAL		\$ 385,167	\$ 810,372	(425,205)	47.5%
	Contractual Services	306	-	306	*
	Office Expenses	63	-	63	*
	Food Products	32	-	32	*
	Miscellaneous	-	1,000	(1,000)	0.0%
	Postage	-	1,150	(1,150)	0.0%
	Computer Equipment	-	5,000	(5,000)	0.0%
	PEIA Reserve Transfer	-	5,850	(5,850)	0.0%
	Routine Building Maintenance	-	1,000	(1,000)	0.0%
UNCLASSIFIED TOTAL		\$ 401	\$ 14,000	\$ (13,599)	2.9%
Current Expenses	Office Expenses	\$ 1,091	\$ 4,000	(2,909)	27.3%
	Printing & Binding	-	500	(500)	0.0%
	Rent	7,295	17,600	(10,305)	41.4%
	Utilities	224	750	(526)	29.9%
	Telecommunications	415	3,000	(2,585)	13.8%
	Internet Service	80	600	(520)	13.3%
	Contractual Services	160,902	656,157	(495,255)	24.5%
	Professional Services	38,210	50,000	(11,790)	76.4%
	Consultants and Consulting Fees	3,975	10,000	(6,025)	39.7%
	Security Service	-	1,000	(1,000)	0.0%
	Travel - Employee	3,955	29,000	(25,045)	13.6%
	Computer Services Internal	2,089	3,000	(911)	69.6%
	Computer Services External	1,831	2,000	(169)	91.5%
	Rental (machine)	-	1,000	(1,000)	0.0%
	Association Dues	190	6,465	(6,275)	2.9%
	Fire/Auto/Bond/Other Insurance	-	350	(350)	0.0%
	Food Products	-	500	(500)	0.0%
	Supplies - Household	34	500	(466)	6.8%
	Advertising & Promotional	8,105	75,512	(67,407)	10.7%
	Supplies - Medical	-	50	(50)	0.0%
	Routine Maint. Contracts	-	250	(250)	0.0%
	Cellular Charges	-	250	(250)	0.0%
	Hospitality	1,369	2,000	(631)	68.4%
	Energy Expense Utilities	1,302	3,500	(2,198)	37.2%
	Miscellaneous	-	500	(500)	0.0%
	Training & Dev'p (in state)	-	700	(700)	0.0%
	Training & Dev'p (out of state)	-	3,000	(3,000)	0.0%
	Postal	888	3,875	(2,987)	22.9%
	Freight	16	500	(484)	3.2%
	Computer Supplies	62	1,000	(938)	6.2%
	Software Licenses	736	8,000	(7,264)	9.2%
	Computer Equipment	-	5,000	(5,000)	0.0%
	Attorney Legal Services	-	5,000	(5,000)	0.0%
	Misc Equip Purchases	-	2,000	(2,000)	0.0%
CURRENT EXPENSES TOTAL		\$ 232,769	\$ 897,559	\$ (664,790)	25.9%
SUBTOTAL FY 2021 EXPENSES		\$ 618,336	\$ 1,721,931	\$ (1,103,595)	35.9%
FY 2020 BUDGET SPENT IN FY 2021		\$ 12,611			* No Budget
TOTAL EXPENSES		\$ 630,947			

Program Active Accounts - Summary							
	Prepaid Tuition Plan			Savings Plan			
Activity	Last Quarter	This Quarter	FYTD	Last Quarter	This Quarter	FYTD	ITD
Beginning	851	765	851	116,855	116,262	116,855	
New/Redefined	-	-	-	2,223	1,842	4,065	203,699
Full Distribution	(33)	(49)	(82)	(2,178)	(1,302)	(3,480)	(42,392)
Cancelled	(53)	(20)	(73)	(342)	(222)	(564)	(19,119)
External Rollover	-	-	-	(296)	(300)	(596)	(22,212)
Expired	-	-	-	-	-	-	
Untermiated Zero Balance Accounts	-		-	-	-	-	(1,503)
E. Jones Correction	-		-	-	-	-	(2,193)
Ending	765	696	696	116,262	116,280	116,280	

Prepaid Tuition Plan – Account Status Detail		
Status	Last Quarter	This Quarter
Mature, not in payout	166	161
Mature, payout in process	593	529
Not mature yet	6	6
Active Accounts Sub-Total	765	696
Depleted	4,348	4,397
Cancelled / rolled over	4,278	4,298
Expired	348	348
Closed Accounts Sub-Total	8,974	9,043
Total Accounts (since inception)	9,739	9,739

Savings Plan Detail

Quarterly Numbers Summary – Management Basis				
Activity	Last Quarter	This Quarter	FY 2020 To Date	Since Inception
Beginning Active Accounts	116,855	116,262	116,855	
New accounts	2,223	1,842	4,065	203,699
Closed	(2,816)	(1,824)	(4,640)	(83,723)
E. Jones Correction				(2,193)
Ending Active Accounts	116,262	116,280	116,280	

Beginning Balance	\$ 2,638,018,227	\$ 2,713,779,957	\$ 2,638,018,227	
Contributions	41,496,273	55,776,812	\$ 97,273,085	\$ 3,532,535,544
Distributions:				
Cancellations/Rollovers	10,434,124	11,192,541	21,626,665	
Regular Distributions	84,942,081	49,536,656	134,478,737	
Total Distributions	\$ 95,376,205	\$ 60,729,197	156,105,402	\$ 2,309,645,049
Fees & Charges				
Investment Mgmt Charges	1,471,627	1,556,538	3,028,165	121,628,565
Annual Maintenance Fee	23,325	625,200	648,525	16,883,712
Up-Front Sales Charge	206,594	290,005	496,599	51,109,698
Broker Distribution Charge	1,220,987	1,269,233	2,490,220	78,306,297
Hartford Administrative Fee	1,037,517	1,087,540	2,125,057	55,483,360
WV Administrative Fee	385,047	402,591	787,638	17,988,500
Deferred Sales Charge	13,565	8,922	22,487	1,744,372
Cancellation Fee	23,605	18,875	42,480	1,595,891
Total Fees & Charges	4,382,267	5,258,904	9,641,171	344,740,394
Change in Investment Value	134,023,930	266,795,051	400,818,981	2,094,882,599
Ending Balances *	\$ 2,713,779,957	\$ 2,970,363,719	\$ 2,970,363,719	

** Totals may reflect rounding differences*

Savings Trust Assets by Investment Plan & Option				
	The Hartford SMART529	SMART529 WV Direct	SMART529 Select	Totals
Dimensional Fund Advisors				
Age-Based Portfolio 0-3			9,402,259	9,402,259
Age-Based Portfolio 4-6			\$26,488,341	26,488,341
Age-Based Portfolio 7-8			\$27,130,303	27,130,303
Age-Based Portfolio 9-10			\$37,265,961	37,265,961
Age-Based Portfolio 11-12			\$49,043,402	49,043,402
Age-Based Portfolio 13-14			\$63,350,854	63,350,854
Age-Based Portfolio 15-16			\$57,780,909	57,780,909
Age-Based Portfolio 17-18			\$52,696,038	52,696,038
Age-Based Portfolio 19+			\$46,209,487	46,209,487
The Hartford SMART529				
Age-Based Portfolio 0-3	16,107,725	11,767,491		27,875,215
Age-Based Portfolio 4-6	39,215,738	20,029,897		59,245,636
Age-Based Portfolio 7-9	79,799,843	28,147,421		107,947,264
Age-Based Portfolio 10-11	80,885,076	22,180,035		103,065,111
Age-Based Portfolio 12-13	112,749,666	23,854,640		136,604,306
Age-Based Portfolio 14-15	148,082,058	29,251,650		177,333,708
Age-Based Portfolio 16	95,728,358	13,466,710		109,195,068
Age-Based Portfolio 17	98,664,421	15,596,055		114,260,475
Age-Based Portfolio 18+	283,079,599	46,978,087		330,057,687
TOTAL AGE-BASED	\$ 954,312,485	\$ 211,271,986	\$ 369,367,553	1,534,952,024
Static Portfolios				
Static Agg Growth	\$85,481,956	\$51,342,037	\$ -	\$136,823,993
Static Growth	105,518,421	\$30,461,562	-	\$135,979,983
Static Balanced	67,113,670	\$20,496,190	-	\$87,609,859
Static Cnsv Balanced	14,994,090	\$8,543,861	-	\$23,537,952
Static Cnsv Bond		\$6,139,353	-	\$6,139,353
Static Checks & Bal	50,475,032	-	-	\$50,475,032
All Equity DFA	-	-	\$ 111,268,566	\$ 111,268,566
Agg Growth DFA	-	-	\$ 34,590,327	\$ 34,590,327
Moderate Agg DFA	-	-	\$ 15,348,907	\$ 15,348,907
Growth DFA	-	-	\$ 26,585,678	\$ 26,585,678
Moderate Grw DFA	-	-	\$ 15,206,123	\$ 15,206,123
Balanced DFA	-	-	\$ 15,740,644	\$ 15,740,644
Conservative DFA	-	-	\$ 12,232,760	\$ 12,232,760
Moderate Cnsv DFA	-	-	\$ 9,869,960	\$ 9,869,960
Fixed Income DFA	-	-	\$ 26,256,982	\$ 26,256,982
1-Year Fixed DFA	-	-	\$ 13,970,544	\$ 13,970,544
TOTAL STATIC PORTFOLIOS	\$ 323,583,169	\$ 116,983,003	\$ 281,070,491	\$ 721,636,663

Chart continued on next page.

Savings Trust Assets by Investment Plan & Option - Continued				
	The Hartford SMART529	SMART529 WV Direct	SMART529 Select	Totals
Individual 529 Funds	\$	\$	\$	\$
Hartford Balanced Income	36,545,723	-	-	36,545,723
Hartford Dividend & Growth	219,979,626	-	-	219,979,626
Hartford Equity Income	39,360,565	-	-	39,360,565
Hartford Global All Asset		-	-	-
Hartford Growth Opportunities Fund	81,084,963	-	-	81,084,963
Hartford High Yield	6,934,324	-	-	6,934,324
Hartford Inflation Plus	6,834,284	-	-	6,834,284
Hartford Intl Opportunities Fund	21,927,547	-	-	21,927,547
Hartford MidCap	88,221,109	-	-	88,221,109
Hartford MidCap Value	13,125,776	-	-	13,125,776
Hartford Small Company Fund	19,547,863	-	-	19,547,863
Hartford Total Return Bond	34,020,518	-	-	34,020,518
MFS Global Equity Fund	18,844,545	-	-	18,844,545
SMART529 500 Index Fund		36,331,944	-	36,331,944
TOTAL	\$ 586,426,844	\$ 36,331,944	-	\$ 622,758,788
Stable Value Funds				
TOTAL	72,655,439	18,360,805		\$ 91,016,244
GRAND TOTALS	\$ 1,936,977,937	\$ 382,947,738	\$650,438,044	\$ 2,970,363,719

Totals may reflect rounding differences

Savings Trust Assets by Share Class				
Share Class	The Hartford SMART529	SMART529 WV Direct	SMART529 Select	% of Assets
A Shares	\$ 1,694,201,001			57%
B Shares	\$ 23,036,810			1%
C Shares	\$ 81,437,913			3%
D Shares		\$ 382,947,738	\$ 650,438,044	35%
E Shares	\$ 138,302,212			5%
Total	\$ 1,936,977,937	\$ 382,947,738	\$ 650,438,044	100%

Contributions & Accounts by Channel				
Channel	Total Contributions		New Accounts	
	Quarter	Inception To Date	Quarter	Inception To Date
Advisor	\$30,717,940	\$2,496,739,336	1,173	158,045
Direct	25,058,872	1,035,796,207	669	45,654
Total	\$ 55,776,812	\$3,532,535,544	1,842	203,699

New Account Activity By Channel WV Owner or Beneficiary						
Quarter	Contributions by Channel			Accounts by Channel		
	Advisor	Direct	Total	Advisor	Direct	Total
2017 Dec	\$ 7,258,777	\$ 12,249,892	\$ 19,508,668	290	569	859
2018 Mar	\$ 5,923,384	\$ 9,631,051	\$ 15,554,434	308	706	1,014
2018 June	\$ 5,300,602	\$ 7,896,693	\$ 13,197,295	251	446	697
2018 Sept	\$ 5,125,568	\$ 7,808,153	\$ 12,933,721	221	489	710
2018 Dec	\$ 8,859,894	\$ 12,720,919	\$ 21,580,813	316	550	866
2019 Mar	\$ 6,176,792	\$ 9,825,614	\$ 16,002,406	239	561	800
2019 June	\$ 5,287,453	\$ 7,987,502	\$ 13,274,956	255	449	704
2019 Sept	\$ 5,169,416	\$ 7,799,039	\$ 12,968,455	212	448	660

Top 10 Investing Firms – West Virginia WV Owner or Beneficiary				
Firm	Quarter		Since Inception	
	Investment \$	New Accounts	Investment \$	Accounts
Edward Jones	1,640,850	73	53,795,117	6,744
Bb&T Securities, Llc	871,209	22	45,947,245	5,539
Wells Fargo Clearing Services, Llc	796,738	18	10,393,016	1,009
Northwestern Mutual Investment Services, Llc	413,710	10	9,997,078	894
Cetera Investment Srvces Llc	270,983	9	4,922,768	620
Ameriprise Financial Services, Inc.	129,330	8	2,458,762	328
United Brokerage Services, Inc	306,334	6	16,441,653	1,575
J.P. Morgan Securities	269,000	5	14,076,941	1,734
J.W. Cole Financial, Inc.	134,939	5	939,482	104
Fsc Securities Corporation	58,610	4	2,762,416	508

Top 10 Investing Firms – Nationwide				
Firm Ordered by New Accounts for quarter	Quarter		Since Inception	
	Investment \$	New Accounts	Investment \$	Accounts
Edward Jones	11,496,464	501	783,507,133	76,707
J.P. Morgan Securities	814,360	38	23,397,401	2,743
LPL Financial Llc	1,921,507	36	107,672,713	11,869
Wells Fargo Investments	1,754,274	34	91,466,651	7,685
Raymond James Financial Services, Inc.	1,088,050	29	89,146,679	8,652
Bb&T Securities, Llc	1,089,700	26	84,164,762	10,110
Ameriprise Financial Services, Inc.	629,374	22	10,312,727	1,418
Woodbury Financial Services, Inc.	1,202,811	18	88,563,878	9,562
Cetera Investment Srvces Llc	580,291	13	37,829,269	4,171
Morgan Stanley Smith Barney Llc	1,372,908	13	129,170,531	6,628

Top 10 Investing States				
State By residence of account owner	Quarter		Since Inception	
	Investment \$	Percent	Investment \$	Percent
WV	\$23,149,569	41.50%	\$754,597,154	21.31%
	<i>Direct-sold</i>			
	\$14,964,099	64.64%	\$402,894,612	53.39%
	<i>Broker-sold</i>			
	\$8,185,471	35.36%	\$351,702,542	46.61%
CA	\$5,162,803	9.26%	\$382,455,528	10.80%
TX	\$4,030,008	7.23%	\$302,906,212	8.56%
PA	\$2,745,621	4.92%	\$140,815,600	3.98%
NC	\$1,971,306	3.53%	\$172,503,276	4.87%
MO	\$1,722,157	3.09%	\$83,508,343	2.36%
MA	\$1,649,685	2.96%	\$102,519,240	2.90%
WA	\$1,598,462	2.87%	\$100,991,330	2.85%
FL	\$1,409,679	2.53%	\$139,078,801	3.93%
TN	\$1,257,835	2.26%	\$102,311,839	2.89%

Assets in Underlying Funds by Product Line				
Mutual Fund	The Hartford SMART529 \$	SMART529 Select \$	Total \$	Equivalent Shares
	SMART529 WV Direct \$			
DFA Inflationary Protection	-	\$ 45,324,577	\$ 45,324,577	3,423,306
DFA International Core Equity	-	98,269,161	98,269,161	6,744,623
DFA US Core Equity 2	-	238,453,172	238,453,172	8,841,423
DFA Emerging Markets Core	-	40,088,505	40,088,505	1,651,772
DFA One Year Fixed Income	-	64,555,017	64,555,017	6,267,477
DFA Five Yr Global Bond	-	50,273,206	50,273,206	4,616,456
DFA Investment Grade	-	58,757,746	58,757,746	4,888,332
DFA St Ext Qual	-	17,341,453	17,341,453	1,576,496
DFA Global Real	-	19,915,785	19,915,785	1,852,631
DFA Short Duration Inflation	-	17,648,171	17,648,171	1,749,075
Hartford Small Cap Growth	\$ 18,684,526	-	18,684,526	288,520
Hartford Growth Opps	81,305,556	-	81,305,556	1,351,039
Hartford Small Co	19,416,852	-	19,416,852	614,457
Hartford High Yield	6,895,679	-	6,895,679	901,396
Hartford Capital Apprec	16,880,144	-	16,880,144	390,744
Hartford MidCap	88,250,694	-	88,250,694	2,472,008
Hartford Total Return Bond	78,703,898	-	78,703,898	7,077,689
Hartford Dividend Growth	332,620,918	-	332,620,918	12,161,642
Hartford International Opps	129,971,930	-	129,971,930	6,665,227
Hartford International Growth	-	-	-	-
Hartford MidCap Value	13,117,639	-	13,117,639	872,183
Hartford Intl Small Company	-	-	-	-
Hartford Balanced Income	36,525,134	-	36,525,134	2,339,855
Hartford Inflation Plus	93,870,716	-	93,870,716	8,205,482
Hartford Unconstrained Bond	-	-	-	-
Hartford Equity Income	129,055,099	-	129,055,099	6,527,825
Hartford Strategic	76,675,456	-	76,675,456	8,174,356
Hartford World Bond	58,610,468	-	58,610,468	5,477,614
Hartford Emerging Mark Res	-	-	-	-
Hartford Global All Asset	-	-	-	-
Hartford Gobal Real Asset	79,216,187	-	79,216,187	9,179,164
Hartford Real Total Return	-	-	-	-
Hartford Core Equity Fund	107,199,274	-	107,199,274	2,605,719
Hartford Schroders Emerging Mkt	20,169,603	-	20,169,603	992,110
Hartford Schroders Intl Multi Cap Value	32,356,565	-	32,356,565	3,486,699
Hartord Quality Bond Fund	-	-	-	-
MFS Global Equity	18,836,335	-	18,836,335	347,214
Vanguard Total Intl Stock	63,803,604	-	63,803,604	491,591
Vanguard Inflation Protected	15,538,028	-	15,538,028	1,346,450
Vanguard Total Bond Mkt II	52,211,137	-	52,211,137	4,555,946
Vanguard Inst Index	36,190,927	-	36,190,927	109,183
ISHARES RUSSELL 1000 LARGE CAP	17,397,456	-	17,397,456	693,678
ISHARES RUSSELL MID CAP INDEX	32,765,077	-	32,765,077	2,561,773
Vanguard Total Stock	125,445,182	-	125,445,182	705,978
Stable Value	537,536,572	-	537,536,572	30,954,488
Total Market Value	\$ 2,319,250,657	\$ 650,626,794	\$ 2,969,877,451	

Cash & Investments	\$ 2,970,363,719
Assets in Underlying Funds	\$ 2,969,877,451
Difference due to market timing/seed money	\$ 486,268

West Virginia Resident vs Non West Virginia Resident									
					Total of All				
WV Resident					Non WV Resident				
Owner Type	\$	%	#	%	\$	%	#	%	\$ #
Regular	689,387,297	99.6%	36,052	99.5%	2,256,210,585	99.0%	78,926	98.9%	2,945,597,882 114,978
Custodial (UGMA/UTMA)	2,809,736	0.4%	174	0.5%	21,956,101	1.0%	1,128	1.1%	24,765,837 1,302
Total	692,197,033	100%	36,226	100%	2,278,166,686	100%	80,054	100%	2,970,363,719 116,280
By Asset Amount	\$	%	#	%	\$	%	#	%	\$ #
\$0-\$500	771,568	0.1%	3,566	9.8%	782,702	0.0%	4,054	6.6%	1,554,270 7,620
\$500-\$1,000	1,534,326	0.2%	2,070	5.7%	2,051,878	0.1%	2,795	4.2%	3,586,204 4,865
\$1,000-\$2,500	7,819,019	1.1%	4,642	12.8%	12,419,699	0.5%	7,308	10.3%	20,238,718 11,950
\$2,500-\$5,000	17,696,238	2.6%	4,848	13.4%	32,030,809	1.4%	8,720	11.7%	49,727,047 13,568
\$5,000-\$10,000	42,662,959	6.2%	5,899	16.3%	89,863,871	3.9%	12,290	15.6%	132,526,830 18,189
\$10,000-\$25,000	125,509,681	18.1%	7,846	21.7%	325,331,865	14.3%	19,913	23.9%	450,841,546 27,759
\$25,000-\$50,000	140,420,050	20.3%	3,994	11.0%	432,173,884	19.0%	12,210	13.9%	572,593,934 16,204
\$50,000-\$100,000	149,827,228	21.6%	2,171	6.0%	538,843,308	23.7%	7,712	8.5%	688,670,536 9,883
\$100,000-\$200,000	120,428,653	17.4%	899	2.5%	533,246,126	23.4%	3,911	4.1%	653,674,779 4,810
\$200,000+	85,527,312	12.4%	291	0.8%	311,422,543	13.7%	1,141	1.2%	396,949,855 1,432
Total	692,197,033	100%	36,226	100%	2,278,166,686	100%	80,054	100%	2,970,363,719 116,280
Age of Beneficiary	\$	%	#	%	\$	%	#	%	\$ #
<1	1,920,596	0.3%	466	1.3%	2,191,711	0.1%	374	0.7%	4,112,306 840
1	4,650,054	0.7%	958	2.6%	6,078,835	0.3%	809	1.5%	10,728,889 1,767
2	7,942,431	1.1%	1,177	3.2%	10,489,787	0.5%	1,094	2.0%	18,432,217 2,271
3	11,444,138	1.7%	1,242	3.4%	14,078,025	0.6%	1,263	2.2%	25,522,163 2,505
4	13,419,813	1.9%	1,328	3.7%	22,794,234	1.0%	1,469	2.4%	36,214,047 2,797
5	16,329,390	2.4%	1,539	4.2%	27,575,711	1.2%	1,654	2.7%	43,905,101 3,193
6	20,696,007	3.0%	1,568	4.3%	37,447,935	1.6%	1,945	3.0%	58,143,942 3,513
7	21,023,948	3.0%	1,562	4.3%	47,965,553	2.1%	2,200	3.2%	68,989,501 3,762
8	26,474,614	3.8%	1,686	4.7%	60,444,519	2.7%	2,465	3.6%	86,919,133 4,151
9	27,714,163	4.0%	1,559	4.3%	67,115,849	2.9%	2,673	3.6%	94,830,011 4,232
10	28,554,756	4.1%	1,594	4.4%	87,771,427	3.9%	3,146	4.1%	116,326,183 4,740
11	31,514,775	4.6%	1,674	4.6%	104,820,016	4.6%	3,392	4.4%	136,334,791 5,066
12	35,442,341	5.1%	1,728	4.8%	116,759,375	5.1%	3,651	4.6%	152,201,716 5,379
13	41,772,976	6.0%	1,873	5.2%	135,743,333	6.0%	4,136	5.2%	177,516,310 6,009
14	46,692,396	6.7%	1,890	5.2%	163,833,541	7.2%	4,747	5.7%	210,525,937 6,637
15	49,767,247	7.2%	1,897	5.2%	182,296,427	8.0%	5,154	6.1%	232,063,674 7,051
16	52,755,036	7.6%	1,871	5.2%	199,355,581	8.8%	5,630	6.5%	252,110,617 7,501
17	52,491,184	7.6%	1,864	5.1%	217,965,505	9.6%	6,124	6.9%	270,456,688 7,988
18	47,374,112	6.8%	1,621	4.5%	197,129,295	8.7%	5,566	6.2%	244,503,406 7,187
19	37,373,794	5.4%	1,478	4.1%	148,666,908	6.5%	4,754	5.4%	186,040,701 6,232
20	29,412,431	4.2%	1,273	3.5%	116,970,291	5.1%	4,173	4.7%	146,382,722 5,446
21	20,010,509	2.9%	993	2.7%	74,037,912	3.2%	3,080	3.5%	94,048,422 4,073
22	14,447,477	2.1%	702	1.9%	51,508,285	2.3%	2,310	2.6%	65,955,762 3,012
23+	52,972,847	7.7%	2,683	7.4%	185,126,632	8.1%	8,245	9.4%	238,099,479 10,928
Total	692,197,033	100%	36,226	100%	2,278,166,686	100%	80,054	100%	2,970,363,719 116,280

West Virginia Resident vs Non West Virginia Resident

By Product	\$	%	#	%
Select	52,503,201	7.6%	1,721	4.8%
WV Direct	349,242,946	50.5%	18,977	52.4%
Hartford SMART529	290,450,886	42.0%	15,528	42.9%
Total	692,197,033	100%	36,226	100%

By Payment Method	\$	%	#	%
Check	487,271,276	70.4%	24,026	66.3%
Auto Invest	204,925,757	29.6%	12,200	33.7%
Total	692,197,033	100%	36,226	100%

By Portfolio*	\$	%	#	%
Age Based Portfolio	400,071,252	57.8%	27,819	62.0%
Individual Funds	84,886,627	12.3%	5,444	12.1%
Static Portfolio	207,239,155	29.9%	11,601	25.9%
Total	692,197,033	100%	44,864	100%

*An individual account owner may invest in more than one Portfolio category.

\$	%	#	%
597,934,843	26.2%	11,423	11.3%
33,704,792	1.5%	1,316	17.5%
1,646,527,050	72.3%	67,315	71.2%
2,278,166,686	100%	80,054	100%

\$	%	#	%
1,782,863,627	78.3%	62,463	74.4%
495,303,059	21.7%	17,591	25.6%
2,278,166,686	100%	80,054	100%

\$	%	#	%
1,134,880,772	49.8%	52,857	55.8%
542,884,962	23.8%	22,297	19.2%
600,400,952	26.4%	24,636	25.1%
2,278,166,686	100%	99,790	100%

\$	#
650,438,044	13,144
382,947,738	20,293
1,936,977,937	82,843
2,970,363,719	116,280

\$	#
2,270,134,902	86,489
700,228,817	29,791
2,970,363,719	116,280

\$	#
1,534,952,024	80,676
627,771,589	27,741
807,640,106	36,237
2,970,363,719	144,654

New Account Activity

	WV		Non WV		Total of All	
By Application Type	#	%	#	%	#	%
Online	590	76%	764	72%	1354	74%
Paper	188	24%	300	28%	488	26%
Total	778	100%	1064	100%	1842	100%
By Channel	#	%	#	%	#	%
Advisor	231	30%	942	89%	1173	64%
Direct	547	70%	122	11%	669	36%
Total	778	100%	1064	100%	1842	100%
By Product	#	%	#	%	#	%
The Hartford	231	30%	942	89%	1173	64%
Select	28	4%	120	11%	148	8%
WV Direct	519	67%	2	0%	521	28%
Total	778	100%	1064	100%	1842	100%

Tab 4

Investment Consultant

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West Virginia College Prepaid Tuition and Savings Program

Investment Performance Report Period Ending December 31, 2020

**Prepared by
NEPC, LLC**

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Market Environment

Period Ending December 31, 2020

Global Equities

Global equities started the fourth quarter slow but then finished the year on a strong note, buoyed by news of successful trials of multiple COVID-19 vaccines. Emerging markets led performance for the second straight quarter, with gains of 19.7%; they were followed by international developed equities that returned 16% while U.S. stocks were up 12.1%. During this period, small-cap equities surged, gaining 31.4%; value stocks, bucking trend, outperformed growth equities, with the Russell 1000 Value up 16.3% compared to the Russell 1000 Growth returning 11.4%.

Equity-linked hedge funds largely kept up with global equities in the fourth quarter, with gains of 14.5%, according to the HFRI Equity Hedge Index, bringing year-to-date returns to 17.4%. Technology- and healthcare-focused strategies outperformed in 2020, up 28.3% and 25.9%, respectively.

Meanwhile, global private equity fundraising totaled \$218.8 billion for the three months ended December 31, bringing the total for the year to \$611.5 billion, down nearly 15% from 2019, according to Preqin. U.S. buyout deal activity—confirmed and estimated—hit a quarterly high, totaling \$267.8 billion, according to PitchBook data; however, 2020 totals, at \$708.4 billion, came in below levels of the previous two years because of a lackluster second and third quarter. U.S. buyout exit activity totaled \$161.8 billion in the fourth quarter, according to PitchBook, putting the year's haul at \$384.8 billion, up from \$357 billion in 2019. In venture capital, deal activity totaled \$38.8 billion in the fourth quarter and hit a record high of \$156.2 billion in 2020; last year's total venture capital exit value of \$290.1 billion also set a record.

Global Fixed Income

Credit spreads of investment-grade and high-yield debt tightened in the fourth quarter with some segments of the market reaching pre-pandemic levels; lower-quality investment-grade and high-yield securities saw the most tightening. While new issuance of U.S. corporate credit slowed down in the fourth quarter, 2020 volume surpassed issuance in 2019. Meanwhile, volume of newly issued bank loans fell in 2020 from a year earlier. For 2020, the Bloomberg Barclays U.S. Aggregate Index returned 7.5%, the Bloomberg Barclays U.S. Corporate High Yield Index was up 7.1%, and S&P/LSTA Leveraged Loan Index gained 3.1%.

Meanwhile, structured credit- and distress-focused hedge fund strategies returned 11.4% in 2020, according to the HFRI ED: Distressed/Restructuring Index. Emerging markets had a positive quarter with the JPM EMBI Global Diversified Index up 5.8% and the JPM GBI-EM Global Diversified Index increasing 9.6%; both indexes ended last year in the black with the JPM EMBI Global Diversified Index returning 5.3% and the JPM GBI-EM Global Diversified Index up 2.7%.

Real Assets

Real assets experienced a strong fourth quarter, led by gains in the energy sector. Except for mining and agriculture, all sectors were in the red in 2020 as COVID-19 tore through the world and shuttered economies.

After stabilizing in the third quarter, oil prices (WTI) rallied over 20% to around \$48 a barrel for the three months ended December 31. Natural gas finished flat quarter-over-quarter at \$2.54 per MMBtu. While energy-related equities benefitted from this supportive environment for commodity prices, the sector still faces scrutiny. Demand for oil has partially recovered from the lows seen last spring while supply will likely remain below pre-pandemic levels.

West Virginia Prepaid Tuition Trust Fund

Quarterly Investment Performance Review Period Ending December 31, 2020

Returns for periods longer than one year are annualized.

	1 Quarter	1-Year	3-Years	5-Years
Prepaid Tuition	0.04%	-0.96%	2.27%	5.56%
Prepaid Policy Index	0.02%	1.75%	3.10%	5.47%
WVBTI	0.04%			
91 Day T-Bills	0.02%			

Prepaid Tuition Trust Fund Asset Values

Asset Distribution for Periods Ending December 31, 2020

	September 30, 2020		December 31, 2020	
	Market Value	Weight	Market Value	Weight
Cash	\$ 4,470,742	100.0%	\$ 3,079,338	100.0%
WV BTI Money Market Fund	4,470,742	100.0%	3,079,338	100.0%
Total Fund	\$ 4,470,742	100.0%	\$ 3,079,338	100.0%

Note: All remaining assets were transferred from the West Virginia Board Investment Management Board to the West Virginia Board of Treasury Investments Money Market Fund on May 1, 2020.

West Virginia Savings Plan Trust Fund

Quarterly Investment Performance Review Period Ending December 31, 2020

Returns for periods longer than one year are annualized.

SMART529 WV Direct - Asset Values

Asset Distribution for Periods Ending December 31, 2020

	September 30, 2020		December 31, 2020	
	Market Value	Weight	Market Value	Weight
Age-Based Portfolios	\$193,689,365	50.58%	\$211,271,986	55.17%
Age-Based 0-3	\$9,863,935	2.58%	\$11,767,491	3.07%
Age-Based 4-6	\$17,613,632	4.60%	\$22,180,035	5.79%
Age-Based 7-9	\$24,828,563	6.48%	\$23,854,640	6.23%
Age-Based 10-11	\$20,010,348	5.23%	\$29,251,650	7.64%
Age-Based 12-13	\$22,255,781	5.81%	\$13,466,710	3.52%
Age-Based 14-15	\$27,112,825	7.08%	\$15,596,055	4.07%
Age-Based 16	\$13,328,113	3.48%	\$46,978,087	12.27%
Age-Based 17	\$14,651,003	3.83%	\$20,029,897	5.23%
Age-Based 18+	\$44,025,164	11.50%	\$28,147,421	7.35%
Static Portfolios	\$102,913,795	26.87%	\$116,983,003	30.55%
Aggressive Growth	\$43,396,399	11.33%	\$51,342,037	13.41%
Growth	\$26,600,421	6.95%	\$30,461,562	7.95%
Balanced	\$19,012,322	4.96%	\$20,496,190	5.35%
Conservative Balanced	\$7,812,919	2.04%	\$8,543,861	2.23%
Conservative Bond	\$6,091,735	1.59%	\$6,139,353	1.60%
Fixed Income	\$18,591,560	4.85%	\$18,360,805	4.79%
Stable Value	\$18,591,560	4.85%	\$18,360,805	4.79%
Domestic Equity	\$31,836,891	8.31%	\$36,331,944	9.49%
Vanguard 500 index	\$31,836,891	8.31%	\$36,331,944	9.49%
Total Fund	\$347,031,610	90.6%	\$382,947,738	100.0%

SMART529 WV Direct–D Share Performance

Returns for Periods Ending December 31, 2020

	Last Quarter		Last Year		Last 3 Years		Last 5 Years		Last 7 Years	
Age-Based Portfolios										
Age-Based 0-3	15.45%	19	17.89%	5	-	-	-	-	-	-
Age-Based Portfolio 0-3 Benchmark	15.51%	16	17.95%	5	11.54%	4	13.53%	2	-	-
US 529 Age 0-4	12.48%		13.46%		8.63%		10.28%		8.01%	
Age-Based 4-6	12.75%	32	17.10%	7	10.83%	5	11.95%	9	9.28%	9
Age-Based Portfolio 4-6 Benchmark	12.95%	26	16.73%	12	10.81%	7	12.18%	8	9.56%	9
US 529 Age 5-6	11.17%		14.12%		9.01%		10.06%		7.91%	
Age-Based 7-9	10.95%	47	16.01%	7	-	-	-	-	-	-
Age-Based Portfolio 7-9 Benchmark	11.10%	44	15.73%	14	10.06%	10	11.05%	12	-	-
US 529 Age 7-8	10.49%		13.03%		8.37%		9.39%		7.37%	
Age-Based 10-11	9.46%	48	14.89%	12	9.34%	12	10.23%	6	8.06%	6
Age-Based Portfolio 10-11 Benchmark	10.97%	24	14.93%	11	9.34%	12	10.48%	6	8.10%	3
US 529 Age 9-10	8.97%		12.36%		8.07%		8.92%		6.97%	
Age-Based 12-13	7.87%	54	13.38%	16	-	-	-	-	-	-
Age-Based Portfolio 12-13 Benchmark	9.69%	21	13.97%	11	8.66%	20	9.59%	12	-	-
US 529 Age 11-12	7.27%		10.90%		7.31%		7.94%		6.31%	
Age-Based 14-15	6.57%	49	12.27%	17	7.88%	21	8.55%	8	6.85%	4
Age-Based Portfolio 14-15 Benchmark	6.66%	47	12.15%	19	7.84%	24	8.01%	25	6.42%	21
US 529 Age 13-14	5.96%		9.84%		6.60%		7.00%		5.52%	
Age-Based 16	4.90%	50	8.73%	49	5.91%	51	5.72%	56	4.66%	53
Age-Based Portfolio 16 Benchmark	4.93%	50	9.07%	46	6.16%	45	6.08%	46	4.79%	45
US 529 Age 15-16	4.28%	58	7.92%	62	5.63%	65	5.81%	50	4.66%	
Age-Based 17	3.44%	46	6.93%	47	-	-	-	-	-	-
Age-Based Portfolio 17 Benchmark	1.65%	69	4.75%	77	3.50%	84	3.06%	80	-	-
US 529 Age 17-18	2.89%		6.34%		4.70%		4.77%		3.87%	
Age-Based 18+	2.22%	39	5.02%	46	3.78%	47	3.88%	30	3.30%	26
Age-Based Portfolio 18+ Benchmark	2.16%	40	6.00%	30	4.42%	30	3.91%	30	3.12%	28
US 529 Age 19+	1.72%		4.65%		3.55%		3.31%		2.65%	

Effective November 16, 2018, Direct SMART529 expanded from five Age-Based Portfolios to nine. Five of the nine new age-bands continue the performance history of the prior wider age-bands as follows: (1) New age-band 4-6 will continue the performance of age-band 0-8. (2) New age-band 10-11 will continue the performance of age-band 9-13. (3) There is no change in the 14-15 age-band, other than the underlying fund allocations. (4) Age-band 16 will continue the performance history of 16 17. (5) There is no change in the 18+ age-band, other than the underlying fund allocations. The 0-3, 7-9, 12-13, and 17 age-bands began their performance track record on or about November 16, 2018. The Age-Based funds are ranking in Morningstar's age-based categories. New categories were announced on April 1, 2019

SMART529 WV Direct–D Share Performance

Returns for Periods Ending December 31, 2020

	Last Quarter		Last Year		Last 3 Years		Last 5 Years		Last 7 Years	
Static Portfolios										
Aggressive Growth	15.37%	22	17.82%	49	11.50%	61	13.41%	58	10.29%	67
Aggressive Growth Benchmark	15.42%	21	17.59%	54	11.17%	68	13.09%	64	10.03%	72
US 529 Static Large Blend	13.55%		16.63%		9.38%		11.77%		9.53%	
Growth	12.78%	35	17.02%	4	10.82%	4	11.95%	4	9.29%	6
Growth Benchmark	12.48%	45	16.28%	9	10.32%	9	11.56%	8	8.99%	13
US 529 Static Allocation--70% to 85% Equity	11.94%		13.04%		8.29%		9.87%		7.17%	
Balanced	9.41%	60	14.85%	22	9.31%	21	10.22%	27	8.03%	27
Balanced Benchmark	10.28%	39	14.97%	22	9.48%	19	10.25%	27	8.04%	27
US 529 Static Allocation--50% to 70% Equity	9.37%		12.31%		8.02%		8.91%		6.82%	
Conservative Balanced	4.96%	89	8.90%	80	6.04%	78	5.23%	90	4.27%	89
Conservative Balanced Benchmark	2.67%	97	7.56%	84	5.26%	88	4.67%	96	3.79%	93
US 529 Static Allocation--30% to 50% Equity	6.42%		9.82%		6.74%		7.34%		5.65%	
Conservative Bond	0.60%	84	3.91%	94	3.11%	94	2.71%	93	2.44%	89
Conservative Bond Portfolio Benchmark	0.52%	92	5.87%	68	4.24%	71	3.33%	80	2.84%	78
US 529 Static Intermediate Bond	1.84%		6.82%		4.32%		4.29%		3.31%	
Fixed Income										
Stable Value	0.37%		1.88%		2.08%		1.90%		1.79%	
BBgBarc US Govt/Credit 1-5 Yr TR USD	0.33%		4.71%		3.69%		2.77%		2.32%	
Domestic Equity										
Vanguard 500 Idx	12.11%	78	18.28%	38	14.08%	27	15.07%	29	12.73%	9
S&P 500 TR USD	12.15%		18.40%		14.18%		15.22%		12.92%	

Effective November 16, 2018, Direct SMART529 expanded from five Age-Based Portfolios to nine. Five of the nine new age-bands continue the performance history of the prior wider age-bands as follows: (1) New age-band 4-6 will continue the performance of age-band 0-8. (2) New age-band 10-11 will continue the performance of age-band 9-13. (3) There is no change in the 14-15 age-band, other than the underlying fund allocations. (4) Age-band 16 will continue the performance history of 16-17. (5) There is no change in the 18+ age-band, other than the underlying fund allocations. The 0-3, 7-9, 12-13, and 17 age-bands began their performance track record on or about November 16, 2018. The Age-Based funds are ranking in Morningstar's age-based categories. New categories were announced on April 1, 2019.

SMART529 WV Direct–Underlying Performance

Returns for Periods Ending December 31, 2020

		Morningstar Category		Last Quarter		Last Year		Last 3 Years		Last 5 Years		Last 7 Years	
Underlying Funds													
Vanguard Inflation-Protected Secs I BBgBarc US Treasury US TIPS TR USD		US Fund Inflation-Protected Bond		1.70%	59	11.05%	27	5.81%	31	5.00%	29	3.89%	15
				1.62%		10.99%		5.92%		5.08%		3.92%	
Vanguard Total Bond Market II Idx I BBgBarc US Agg Float Adj TR USD		US Fund Intermediate Core Bond		0.68%	66	7.38%	58	5.28%	42	4.41%	45	4.04%	40
				0.71%		7.75%		5.44%		4.53%		4.12%	
Vanguard Total Stock Market Idx I CRSP US Total Market TR USD		US Fund Large Blend		14.69%	25	21.00%	15	14.50%	15	15.43%	12	12.75%	16
				14.70%		20.99%		14.50%		15.44%		12.75%	
Vanguard Total Intl Stock Index I FTSE Global All Cap ex US TR USD		US Fund Foreign Large Blend		16.89%	33	11.28%	34	5.01%	36	9.11%	19	5.13%	28
				17.25%		11.54%		5.29%		9.39%		5.52%	

The Hartford SMART529 - Asset Values

Asset Distribution for Periods Ending December 31, 2020

	September 30, 2020		December 31, 2020	
	Market Value	Weight	Market Value	Weight
Domestic Equity	\$400,755,381	20.69%	\$461,319,902	23.82%
Large Cap	\$303,772,966	15.68%	\$340,425,154	17.58%
Hartford Equity Income	\$35,549,794	1.84%	\$39,360,565	2.03%
Hartford Div & Growth	\$198,422,976	10.24%	\$219,979,626	11.36%
Hartford Growth Opportunities	\$69,800,195	3.60%	\$81,084,963	4.19%
Mid Cap	\$81,994,726	4.23%	\$101,346,885	5.23%
Hartford Mid Cap	\$71,349,227	3.68%	\$88,221,109	4.55%
Hartford Mid Cap Value	\$10,645,499	0.55%	\$13,125,776	0.68%
Small Cap	\$14,987,689	0.77%	\$19,547,863	1.01%
Hartford Small Company	\$14,987,689	0.77%	\$19,547,863	1.01%
Domestic Hybrid	\$33,932,079	1.75%	\$36,545,723	1.89%
Hartford Balanced Inc Fund	\$33,932,079	1.75%	\$36,545,723	1.89%
International Equity	\$35,433,227	1.83%	\$40,772,091	2.10%
Hartford Intl Opportunities	\$18,799,952	0.97%	\$21,927,547	1.13%
MFS Global Equity	\$16,633,274	0.86%	\$18,844,545	0.97%
Fixed Income	\$119,484,356	6.17%	\$120,444,566	6.22%
Intermediate-Term Bond	\$32,681,520	1.69%	\$34,020,518	1.76%
Hartford Total Return Bond	\$32,681,520	1.69%	\$34,020,518	1.76%
TIPS	\$6,484,531	0.33%	\$6,834,284	0.35%
Hartford Inflation Plus+	\$6,484,531	0.33%	\$6,834,284	0.35%
High Yield	\$6,567,993	0.34%	\$6,934,325	0.36%
Hartford High Yield	\$6,567,993	0.34%	\$6,934,325	0.36%
Stable Value	\$73,750,312	3.81%	\$72,655,439	3.75%
Stable Value Fund	\$73,750,312	3.81%	\$72,655,439	3.75%
Age-Based Portfolios	\$897,430,793	46.33%	\$954,312,485	49.27%
Age-Based 0-3	\$13,705,494	0.71%	\$16,107,725	0.83%
Age-Based 4-6	\$35,678,542	1.84%	\$80,885,076	4.18%
Age-Based 7-9	\$73,560,165	3.80%	\$112,749,666	5.82%
Age-Based 10-11	\$72,893,188	3.76%	\$148,082,058	7.65%
Age-Based 12-13	\$106,864,240	5.52%	\$95,728,358	4.94%
Age-Based 14-15	\$142,501,549	7.36%	\$98,664,421	5.09%
Age-Based 16	\$91,369,313	4.72%	\$283,079,599	14.61%
Age-Based 17	\$91,932,277	4.75%	\$39,215,738	2.02%
Age-Based 18+	\$268,926,024	13.88%	\$79,799,843	4.12%
Static Portfolios	\$291,912,159	15.07%	\$323,583,169	16.71%
Aggressive Growth	\$74,584,162	3.85%	\$85,481,956	4.41%
Growth Portfolio	\$95,230,031	4.92%	\$105,518,421	5.45%
Balanced Portfolio	\$61,655,413	3.18%	\$67,113,670	3.46%
Conservative Balanced	\$14,223,235	0.73%	\$14,994,090	0.77%
Hartford Checks & Balance	\$46,219,318	2.39%	\$50,475,032	2.61%
Total Fund	\$1,778,947,996	100.0%	\$1,936,977,937	100.0%

The Hartford SMART529 - A Share Performance

Returns for Periods Ending December 31, 2020

	Last Quarter		Last Year		Last 3 Years		Last 5 Years		Last 7 Years	
Domestic Equity Funds										
Large Cap										
Hartford Equity Income Fund	12.96%	67	4.30%	27	6.45%	44	10.19%	43	8.36%	49
Russell 1000 Value TR USD	16.25%		2.80%		6.07%		9.74%		8.20%	
Hartford Div and Growth Fund	14.19%	60	7.61%	97	9.07%	90	11.76%	89	9.81%	83
S&P 500 TR USD	12.15%		18.40%		14.18%		15.22%		12.92%	
Hartford Growth Opportunities	12.68%	50	61.32%	4	27.89%	6	21.86%	11	18.91%	5
Russell 3000 Growth TR USD	12.41%		38.26%		22.50%		20.67%		17.12%	
Mid Cap										
Hartford Mid-Cap Fund	26.19%	18	24.59%	32	14.98%	29	15.96%	20	12.96%	19
S&P MidCap 400 TR	24.37%		13.66%		8.45%		12.35%		9.78%	
Hartford Mid-Cap Value Fund	24.33%	23	0.21%	78	3.65%	86	7.15%	77	5.91%	97
Russell 2500 Value TR USD	28.51%		4.88%		4.34%		9.43%		6.84%	
Small Cap										
Hartford Small Company Fund	30.30%	33	53.86%	3	26.15%	1	20.68%	3	13.93%	3
Russell 2000 Growth Index	29.61%		34.63%		16.20%		16.36%		12.08%	
Domestic Hybrid										
Hartford Balanced Income	7.20%	34	7.44%	95	6.60%	89	8.41%	79	-	
60% S&P 500-40% BarCap Agg	7.54%		14.73%		11.03%		11.11%		9.58%	
International Equity										
MFS Global Equity Fund	14.68%	82	13.70%	33	9.99%	10	11.85%	9	8.49%	6
MSCI World Index	13.96%		15.90%		10.54%		12.19%		9.18%	
Hartford Intl Opportunities Fund	17.13%	27	20.31%	11	7.00%	23	8.89%	35	5.73%	24
MSCI ACWI Ex USA Index	17.01%		10.65%		4.88%		8.93%		4.82%	
Intermediate-Term Bond										
Hartford Total Return Bond Fund	1.57%	36	8.73%	16	5.74%	12	5.08%	24	4.20%	17
Barclays US Agg Bond Index	0.67%		7.51%		5.34%		4.44%		4.09%	
Tips										
Hartford Inflation Plus Fund	2.40%	2	9.30%	45	4.67%	58	3.92%	62	2.59%	67
Barclays US Trsy Infl Note 1-10Y Index	1.60%		8.39%		4.93%		4.13%		2.99%	
High Yield										
Hartford High Yield Fund	6.39%	3	7.18%	2	5.75%	2	7.41%	1	4.85%	3
Barclays US Corporate High Yield Index	6.45%		7.11%		6.24%		8.59%		5.74%	
Stable Value										
Hartford Stable Value Fund	0.33%		1.60%		1.74%		1.53%		1.38%	
BBgBarc US Govt/Credit 1-5 Yr TR USD	0.33%		4.71%		3.69%		2.77%		2.32%	

The Hartford SMART529 - A Share Performance

Returns for Periods Ending December 31, 2020

	Last Quarter		Last Year		Last 3 Years		Last 5 Years		Last 7 Years	
Age-Based Portfolios*										
Age-Based 0-3	15.48%	18	13.38%	73	8.84%	63	-		-	
Age-Based Portfolio 0-3 Benchmark	15.14%	22	15.45%	33	10.10%	25	-		-	
US 529 Age 0-4	12.48%		13.46%		8.63%		10.28%		8.01%	
Age-Based 4-6	13.65%	12	11.99%	88	8.06%	73	9.65%	46	6.72%	75
Age-Based Portfolio 4-6 Benchmark	13.48%	22	13.92%	55	9.37%	35	11.38%	12	8.48%	27
US 529 Age 5-6	11.17%		14.12%		9.01%		-		-	
Age-Based 7-9	11.93%	34	11.64%	74	7.63%	73	-		-	
Age-Based Portfolio 7-9 Benchmark	11.69%	38	12.84%	57	8.71%	44	-		-	
US 529 Age 7-8	10.49%		13.03%		8.37%		9.39%		7.37%	
Age-Based 10-11	10.30%	32	10.64%	83	6.92%	79	8.26%	63	5.45%	81
Age-Based Portfolio 10-11 Benchmark	10.08%	37	12.05%	63	8.09%	57	9.27%	35	6.77%	50
US 529 Age 9-10	8.97%		12.36%		8.07%		8.92%		6.97%	
Age-Based 12-13	8.81%	32	10.26%	71	6.48%	77	-		-	
Age-Based Portfolio 12-13 Benchmark	8.62%	36	11.36%	53	7.51%	54	-		-	
US 529 Age 11-12	7.27%		10.90%		7.31%		7.94%		6.31%	
Age-Based 14-15	7.45%	34	9.38%	63	6.05%	76	7.01%	50	4.59%	74
Age-Based Portfolio 14-15 Benchmark	6.99%	39	10.51%	47	7.02%	45	8.02%	25	5.78%	35
US 529 Age 13-14	5.96%		9.84%		6.60%		7.00%		5.52%	
Age-Based 16	5.10%	44	6.90%	76	4.58%	83	4.73%	74	3.31%	88
Age-Based Portfolio 16 Benchmark	4.90%	51	8.32%	54	5.93%	50	5.92%	48	4.40%	54
US 529 Age 15-16	4.28%		7.92%		5.63%		5.81%		4.66%	
Age-Based 17	3.56%	41	5.40%	64	3.73%	81	-		-	
Age-Based Portfolio 17 Benchmark	3.39%	47	7.47%	43	5.25%	45	-		-	
US 529 Age 17-18	2.89%		6.34%		4.70%		4.77%		3.87%	
Age-Based 18+	2.34%	30	3.85%	65	2.92%	65	2.99%	45	2.11%	60
Age-Based Portfolio 18+ Benchmark	2.13%	41	6.39%	25	4.72%	22	4.07%	27	3.11%	28
US 529 Age 19+	1.72%		4.65%		3.55%		3.31%		2.65%	
Static Portfolios										
Aggressive Growth*	15.54%	11	13.42%	85	8.90%	93	10.93%	93	7.75%	96
Aggressive Growth Benchmark	16.82%	4	13.67%	83	9.38%	89	12.17%	85	8.58%	95
US 529 Static Large Blend	13.55%		16.63%		9.38%		11.77%		9.53%	
Growth	13.71%	18	12.27%	81	8.19%	71	9.71%	80	6.75%	90
Growth Benchmark	14.38%	9	12.70%	76	7.82%	74	10.35%	61	7.37%	78
US 529 Static Allocation--70% to 85% Equity	11.94%		13.04%		8.29%		9.87%		7.17%	
Balanced	10.29%	5	10.82%	58	7.00%	55	8.29%	33	5.47%	65
Balanced Benchmark	12.03%	3	10.96%	55	6.90%	58	8.99%	5	6.22%	45
US 529 Static Allocation--30% to 50% Equity	6.42%		9.82%		6.74%		7.34%		5.65%	
Conservative Balanced	5.04%	87	6.87%	91	4.58%	92	4.75%	94	3.33%	95
Conservative Balanced Benchmark	4.95%	89	6.35%	93	4.77%	91	5.05%	93	3.68%	93
US 529 Static Allocation--30% to 50% Equity	6.42%		9.82%		6.74%		7.34%		5.65%	
Hartford Checks & Balances Fund	9.87%	42	13.77%	31	10.33%	4	10.53%	19	8.63%	13
33% S&P 500 - 33% Russell 3000 - 34% BC US A	9.05%		16.19%		11.66%		11.83%		10.06%	
US 529 Static Allocation--50% to 70% Equity	9.37%		12.31%		8.02%		8.91%		6.82%	

Effective September 15, 2017, Hartford SMART529 expanded from five Age-Based Portfolios to nine. Five of the nine new age-bands will continue the performance history of the prior wider age-bands as follows: (1) New age-band 4-6 will continue the performance of age-band 0-8. (2) New age-band 10-11 will continue the performance of age-band 9-13. (3) There is no change in the 14-15 age-band, other than the underlying fund allocations. (4) Age-band 16 will continue the performance history of 16-17. (5) There is no change in the 18+ age-band, other than the underlying fund allocations. The 0-3, 7-9, 12-13, and 17 age-bands began their performance track record on or about September 15, 2018.

The Hartford SMART529 - Underlying Performance

Returns for Periods Ending December 31, 2020

Morningstar Category		Last Quarter		Last Year		Last 3 Years		Last 5 Years		Last 7 Years	
Underlying Funds											
Hartford Stable Value Fund	US Stable Value	0.33%		1.60%		1.74%		1.53%		1.38%	
BBgBarc US Govt/Credit 1-3 Yr TR USD		0.21%		3.33%		2.98%		2.21%		1.78%	
Hartford Inflation Plus F	US Fund Inflation-Protected Bond	2.47%	15	9.70%	51	5.10%	56	4.28%	60	2.90%	62
BBgBarc US Trsy Infl Note 1-10Y TR USD		1.60%		8.39%		4.93%		4.13%		2.99%	
Hartford Total Return Bond F	US Fund Intermediate Core-Plus Bond	1.74%	57	9.22%	27	6.21%	16	5.55%	20	4.69%	20
BBgBarc US Agg Bond TR USD		0.67%		7.51%		5.34%		4.44%		4.09%	
Hartford World Bond F	US Fund World Bond	0.57%	99	1.86%	99	3.36%	73	2.94%	87	2.48%	63
FTSE WGBI USD		2.77%		10.11%		4.96%		4.78%		2.78%	
Hartford Strategic Income F	US Fund Multisector Bond	5.30%	22	12.62%	1	7.53%	2	8.13%	1	5.81%	2
BBgBarc US Agg Bond TR USD		0.67%		7.51%		5.34%		4.44%		4.09%	
Hartford Equity Income F	US Fund Large Value	13.04%	76	4.71%	31	6.89%	30	10.67%	23	8.86%	21
Russell 1000 Value TR USD		16.25%		2.80%		6.07%		9.74%		8.20%	
Hartford Dividend and Growth F	US Fund Large Value	14.31%	64	8.05%	15	9.52%	8	12.25%	7	10.31%	3
S&P 500 TR USD		12.15%		18.40%		14.18%		15.22%		12.92%	
iShares Russell 1000 Large-Cap Idx Instl	US Fund Large Blend	13.65%	37	20.79%	18	14.69%	13	15.44%	12	12.90%	10
Russell 1000 TR USD		13.69%		20.96%		14.82%		15.60%		13.04%	
Hartford Capital Appreciation F	US Fund Large Blend	14.13%	31	21.21%	14	14.86%	11	14.03%	44	11.28%	50
Russell 3000 TR USD		14.68%		20.89%		14.49%		15.43%		12.76%	
Hartford Core Equity F	US Fund Large Blend	12.50%	47	18.52%	33	16.04%	5	15.08%	21	13.99%	2
S&P 500 TR USD		12.15%		18.40%		14.18%		15.22%		12.92%	
iShares Russell Mid-Cap Index Instl	US Fund Mid-Cap Blend	19.93%	58	17.10%	26	11.55%	25	13.31%	22	n/a	
Russell Mid Cap TR USD		19.91%		17.10%		11.61%		13.40%		10.96%	
Hartford Small Cap Growth F	US Fund Small Growth	31.77%	11	32.38%	62	16.55%	60	16.36%	63	12.41%	56
Russell 2000 Growth TR USD		29.61%		34.63%		16.20%		16.36%		12.08%	
Hartford International Opportunities F	US Fund Foreign Large Blend	17.21%	26	20.74%	6	7.44%	10	9.36%	15	6.20%	11
MSCI ACWI Ex USA NR USD		17.01%		10.65%		4.88%		8.93%		4.82%	
Hartford Schroders Intl Multi-Cp Val F	US Fund Foreign Large Value	17.57%	55	1.25%	58	0.58%	45	6.43%	22	3.21%	21
MSCI ACWI Ex USA NR USD		17.01%		10.65%		4.88%		8.93%		4.82%	
Hartford Schroders Emerging Mkts Eq F	US Fund Diversified Emerging Mkts	21.37%	25	23.78%	30	8.59%	28	14.79%	20	7.51%	26
MSCI EM NR USD		19.70%		18.31%		6.17%		12.81%		6.17%	
Hartford Global Real Asset F	US Fund World Allocation	11.92%	27	(1.24%)	82	(0.11%)	96	5.53%	80	(0.36%)	98
MSCI ACWI Commodity Producers NR USD		24.79%		(12.32%)		(4.36%)		5.67%		(2.57%)	

1. Products were added to the underlying components of the Age-Based portfolios and static allocation portfolios on February 17, 2017. The Hartford Quality Bond Y, Hartford Core Equity Y, Hartford Growth Opportunities Y and the Hartford Schroders Emerging Mkts Eq. Inv fund.
2. The Hartford Funds transitioned their underlying mutual funds from the Y share class to the F share class on 4/7/2017.
3. The Hartford Funds removed the Real Total Return fund from the age-based funds on 10/8/2018.

SMART529 Select- Asset Values

Asset Distribution for Periods Ending December 31, 2020

	September 30, 2020		December 31, 2020	
	Market Value	Weight	Market Value	Weight
Age-Based Portfolios	\$337,583,003	51.90%	\$369,367,553	56.79%
Age-Based Portfolio 0-3	\$7,976,723	1.23%	\$9,402,259	1.45%
Age-Based Portfolio 4-6	\$23,141,842	3.56%	\$49,043,402	7.54%
Age-Based Portfolio 7-8	\$23,978,019	3.69%	\$63,350,854	9.74%
Age-Based Portfolio 9-10	\$36,332,750	5.59%	\$57,780,909	8.88%
Age-Based Portfolio 11-12	\$43,920,535	6.75%	\$52,696,038	8.10%
Age-Based Portfolio 13-14	\$59,532,141	9.15%	\$46,209,487	7.10%
Age-Based Portfolio 15-16	\$52,027,875	8.00%	\$26,488,341	4.07%
Age-Based Portfolio 17-18	\$48,321,154	7.43%	\$27,130,303	4.17%
Age-Based Portfolio 19+	\$42,351,965	6.51%	\$37,265,961	5.73%
Static Portfolios	\$250,217,348	38.47%	\$281,070,491	43.21%
Aggressive Growth	\$29,037,392	4.46%	\$34,590,327	5.32%
Moderately Aggressive	\$13,383,978	2.06%	\$15,348,907	2.36%
Growth	\$23,209,451	3.57%	\$26,585,678	4.09%
Moderate Growth	\$14,937,310	2.30%	\$15,206,123	2.34%
Balanced	\$14,711,340	2.26%	\$15,740,644	2.42%
Moderate Conservative	\$8,139,773	1.25%	\$9,869,960	1.52%
Conservative	\$11,327,525	1.74%	\$12,232,760	1.88%
All Equity	\$95,564,210	14.69%	\$111,268,566	17.11%
Fixed Income	\$24,808,952	3.81%	\$26,256,982	4.04%
1-Year Fixed	\$15,097,417	2.32%	\$13,970,544	2.15%
Total Fund	\$587,800,351	90.4%	\$650,438,044	100.0%

SMART529 Select - D Share Performance

Returns for Periods Ending December 31, 2020

	Last Quarter		Last Year		Last 3 Years		Last 5 Years		Last 7 Years	
Age-Based & Static Portfolios										
Age-Based Portfolio 0-3	17.60%	2	12.03%	91	7.16%	95	11.06%	40	7.81%	66
Aggressive Growth	17.57%	3	12.04%	90	7.16%	94	11.06%	41	7.82%	65
Select Age-Based Portfolio 0-3 Benchmark	15.40%	21	16.07%	22	10.60%	8	12.79%	8	9.70%	9
US 529 Age 0-4	12.48%		13.46%		8.63%		10.28%		8.01%	
Age-Based Portfolio 4-6	15.79%	1	11.89%	89	7.10%	93	10.45%	33	7.49%	53
Moderately Aggressive	15.86%	1	12.12%	84	7.18%	89	10.51%	28	7.54%	45
Select Age-Based Portfolio 4-6 Benchmark	13.91%	9	15.54%	25	10.25%	15	12.05%	8	9.23%	13
US 529 Age 5-6	11.17%		14.12%		9.01%		10.06%		7.91%	
Age-Based Portfolio 7-8	14.07%	4	11.92%	69	7.09%	87	9.88%	35	7.20%	59
Growth	14.06%	5	12.52%	63	7.30%	77	10.01%	30	7.29%	55
Select Age-Based Portfolio 7-8 Benchmark	12.44%	29	14.91%	21	9.82%	16	11.27%	12	8.70%	10
US 529 Age 7-8	10.49%		13.03%		8.37%		9.39%		7.37%	
Age-Based Portfolio 9-10	12.28%	8	11.68%	69	7.05%	79	8.64%	54	6.44%	58
Moderate Growth	12.30%	7	11.34%	74	6.93%	79	8.56%	55	6.38%	63
Select Age-Based Portfolio 9-10 Benchmark	9.44%	50	12.83%	42	8.55%	37	9.35%	33	7.32%	38
US 529 Age 9-10	8.97%		12.36%		8.07%		8.92%		6.97%	
Age-Based Portfolio 11-12	10.68%	8	11.84%	43	-	-	-	-	-	-
Select Age-Based Portfolio 11-12 Benchmark	10.05%	12	13.61%	12	-	-	-	-	-	-
US 529 Age 11-12	7.27%		10.90%		7.31%		7.94%		6.31%	
Age-Based Portfolio 13-14	9.11%	11	11.23%	36	6.40%	67	7.25%	44	5.43%	46
Balanced	9.07%	12	11.24%	36	6.47%	63	7.28%	43	5.44%	45
Select Age-Based Portfolio 13-14 Benchmark	7.09%	36	10.39%	50	7.15%	41	7.54%	35	5.93%	31
US 529 Age 13-14	5.96%		9.84%		6.60%		7.00%		5.52%	
Age-Based Portfolio 15-16	7.43%	8	9.61%	40	5.52%	69	5.99%	48	4.44%	54
Moderate Conservative	7.34%	9	9.51%	41	5.54%	66	5.99%	48	4.43%	54
Select Age-Based Portfolio 15-16 Benchmark	5.51%	36	8.24%	56	5.94%	49	6.12%	46	4.80%	45
US 529 Age 15-16	4.28%		7.92%		5.63%		5.81%		4.66%	
Age-Based Portfolio 17-18	5.49%	9	6.73%	51	-	-	-	-	-	-
Select Age-Based Portfolio 17-18 Benchmark	5.07%	16	8.76%	25	-	-	-	-	-	-
US 529 Age 17-18	2.89%		6.34%		4.70%		4.77%		3.87%	
Age-Based Portfolio 19+ / Conservative	3.52%	13	3.82%	66	3.07%	62	3.46%	38	2.59%	44
Conservative	3.55%	12	4.53%	57	3.30%	59	3.61%	37	2.71%	38
Select Age-Based Portfolio 19+ Benchmark	3.17%	18	5.44%	39	4.34%	32	4.19%	27	3.29%	28
US 529 Age 19+	1.72%		4.65%		3.55%		3.31%		2.65%	
All Equity	17.56%	71	11.98%	58	7.15%	55	11.05%	56	7.81%	72
Select All Equity Portfolio Benchmark	15.40%		16.07%		10.60%		12.79%		9.70%	
Fixed Income	0.63%	48	6.36%	8	4.41%	12	3.54%	19	3.21%	16
Select Fixed Income Portfolio Benchmark	0.63%		6.45%		4.60%		3.78%		3.34%	
1-Year Fixed	(0.08%)		0.24%		1.22%		0.92%		0.60%	
ICE BofA US 1-Y Trsy Bill TR LOC	0.08%		1.73%		2.20%		1.59%		1.21%	

Effective on or about October 18, 2019, SMART529 Select expanded the number of age-bands from seven to nine age-bands. The following age-bands will continue the performance history of the prior wider age-bands as follows: (1) Age-Based Portfolio 7-8 will continue the performance of Age-Based Portfolio 7-9. (2) Age-Based Portfolio 9-10 will continue the performance of Age-Based Portfolio 10-12. (3) Age-Based Portfolio 13-14 will continue the performance of Age-Based Portfolio 13-15. (4) Age-Based Portfolio 15-16 will continue the performance of Age-Based Portfolio 16-18. There is no change in the Age-Based Portfolio 0-3, Age-Based Portfolio 4-6 and Age-Based Portfolio 19+, other than the underlying fund allocations. Age-Based Portfolio 11-12 and Age-Based Portfolio 17-18 will begin their performance track record on October 18, 2019. Performance information through October 18, 2019 represents (1) the prior age-bands and prior underlying fund allocations and (2) the prior underlying fund allocations for the Static Portfolios and may not be indicative of future results.

SMART529 Select - Underlying Performance

Returns for Periods Ending December 31, 2020

	Morningstar Category	Last Quarter		Last Year		Last 3 Years		Last 5 Years		Last 7 Years	
Underlying Funds											
DFA One-Year Fixed-Income I ICE BofA US 3M Trsy Bill TR USD	US Fund Ultrashort Bond	0.03%	80	0.62%	84	1.64%	81	1.34%	79	1.04%	78
		0.03%		0.67%		1.61%		1.20%		0.87%	
DFA Short-Duration Real Return Instl BBgBarc U.S. Treasury TIPS 1-5Y TR USD	US Fund Short-Term Bond	1.32%	26	2.75%	85	2.81%	75	2.75%	44	1.88%	69
		1.49%		5.71%		3.70%		3.00%		1.95%	
DFA Short-Term Extended Quality I BBgBarc U.S. Treasury TIPS 1-5Y TR USD	US Fund Short-Term Bond	0.54%	74	2.24%	91	2.69%	80	2.42%	66	2.13%	51
		1.49%		5.71%		3.70%		3.00%		1.95%	
DFA Inflation-Protected Securities I BBgBarc US Treasury US TIPS TR USD	US Fund Inflation-Protected Bond	1.66%	63	11.65%	17	6.13%	13	5.26%	14	4.04%	10
		1.62%		10.99%		5.92%		5.08%		3.92%	
DFA Investment Grade I BBgBarc US Agg Bond TR USD	US Fund Intermediate Core Bond	0.79%	58	9.19%	16	6.20%	7	4.90%	19	4.61%	10
		0.67%		7.51%		5.34%		4.44%		4.09%	
DFA Five-Year Global Fixed-Income I FTSE WGBI USD	US Fund World Bond-USD Hedged	0.21%	91	1.52%	94	2.41%	93	2.20%	90	2.19%	87
		2.77%		10.11%		4.96%		4.78%		2.78%	
DFA US Core Equity 2 I Russell 3000 TR USD	US Fund Large Blend	17.76%	9	15.70%	58	10.60%	72	13.41%	56	10.31%	68
		14.68%		20.89%		14.49%		15.43%		12.76%	
DFA International Core Equity I MSCI World ex USA NR USD	US Fund Foreign Large Blend	17.42%	22	7.72%	69	2.68%	83	7.87%	46	4.60%	47
		15.85%		7.59%		4.22%		7.64%		4.27%	
DFA Emerging Markets Core Equity I MSCI EM NR USD	US Fund Diversified Emerging Mkts	21.25%	28	13.86%	74	3.84%	75	11.43%	59	5.44%	62
		19.70%		18.31%		6.17%		12.81%		6.17%	
DFA Global Real Estate Securities Port S&P Global REIT NR USD	US Fund Global Real Estate	10.76%	68	(6.72%)	68	4.16%	41	5.63%	39	7.19%	16
		12.55%		(9.09%)		1.74%		3.66%		5.43%	

West Virginia Savings Plan Trust Fund

Quarterly Exception Report Period Ending December 31, 2020

**Prepared by
NEPC, LLC**

Exception Report on Underlying Funds

There are currently no products on the exception report.

The Hartford SMART529 Blended Benchmarks

Age-Based 0-3 Agg Growth		Age-Based 14-15		Balanced Portfolio	
MSCI ACWI Ex USA Growth NR USD	18.0%	MSCI ACWI Ex USA Growth NR	8.0%	MSCI ACWI Ex USA Growth NR	11.0%
MSCI ACWI Ex USA NR USD	6.0%	MSCI ACWI Ex USA NR	2.0%	MSCI ACWI Ex USA NR	4.5%
MSCI EM NR USD	4.0%	MSCI EM NR USD	1.5%	Russell 2000 Growth TR USD	2.0%
S&P 500 TR USD	31.0%	S&P 500 TR USD	14.5%	Russell Mid Cap TR USD	3.5%
Russell 1000 Value TR USD	18.0%	Russell 1000 Value TR USD	7.0%	Russell 1000 TR USD	2.0%
Russell MidCap TR USD	6.0%	Russell MidCap TR USD	2.5%	MSCI EM NR USD	2.5%
Hartford Global Real Asset Custom Index	5.0%	Hartford Global Real Asset Custom Index	8.0%	S&P 500 TR USD	19.0%
Russell 1000 TR USD	5.0%	BBgBarc US Trsy Infl Note 1-10Y TR USD	12.0%	Hartford Global Real Asset Custom Index	8.0%
Russell 2000 Growth TR USD	5.0%	BBgBarc US Agg Bond TR USD	21.0%	Russell 1000 Value TR USD	11.0%
BBgBarc US Agg Bond TR USD	2.0%	FTSE WGBI USD	11.5%	Barclays US Trsy Infl Note 1-10Y TR USD	9.0%
		BBgBarc US Govt/Credit 1-5 Yr TR USD	12.0%	Barclays US Agg Bond TR USD	10.5%
				FTSE WGBI USD	8.5%
				Barclays US Govt/Credit 1-5 Yr TR USD	8.0%
Age-Based 4-6 Growth		Age-Based 16 Conservative		Conservative Balanced	
MSCI ACWI Ex USA Growth NR USD	14.0%	MSCI ACWI Ex USA Growth NR	8.0%	Russell Mid Cap TR USD	2.0%
MSCI ACWI Ex USA NR USD	5.5%	S&P 500 TR USD	11.0%	S&P 500 TR	11.0%
MSCI EM NR USD	3.5%	Russell 1000 Value TR USD	5.0%	MSCI ACWI Ex USA Growth NR	8.0%
S&P 500 TR USD	26.0%	Hartford Global Real Asset Custom Index	6.0%	FTSE WGBI USD	1.0%
Russell 1000 Value TR USD	17.0%	Russell MidCap TR USD	2.0%	Hartford Global Real Asset Custom Index	6.0%
Russell 1000 TR USD	4.0%	BBgBarc US Trsy Infl Note 1-10Y TR USD	8.0%	Russell 1000 Value TR USD	5.0%
Hartford Global Real Asset Custom Index	7.0%	FTSE WGBI USD	1.0%	Barclays US Trsy Infl Note 1-10Y TR USD	8.0%
Russell MidCap TR USD	5.0%	BBgBarc US Agg Bond TR USD	4.0%	Barclays US Agg Bond TR USD	4.0%
Russell 2000 Growth TR USD	4.0%	BBgBarc US Govt/Credit 1-5 Yr TR USD	55.0%	Barclays us Govt/Credit 1-5 Yr TR USD	55.0%
BBgBarc US Trsy Infl Note 1-10Y TR USD	3.0%				
BBgBarc US Agg Bond TR USD	5.0%				
FTSE WGBI USD	6.0%				
Age-Based 7-9		Age-Based 17		Hartford Check and Balances Fund	
MSCI ACWI Ex USA Growth NR USD	12.0%	MSCI ACWI Ex USA Growth NR	5.0%	Russell 1000 Value TR USD	33.3%
MSCI ACWI Ex USA NR USD	4.5%	S&P 500 TR USD	10.0%	S&P 500 TR USD	33.3%
MSCI EM NR USD	3.0%	Hartford Global Real Asset Custom Index	6.0%	Barclays US Agg Bond TR USD	33.3%
S&P 500 TR USD	21.0%	Russell MidCap TR USD	1.0%		
Russell 1000 Value TR USD	14.0%	BBgBarc US Trsy Infl Note 1-10Y TR USD	8.0%	Hartford Balanced Income Fund	
Russell 1000 TR USD	3.0%	FTSE WGBI USD	1.0%	Barclays US Agg Bond TR USD	60.0%
Hartford Global Real Asset Custom Index	8.5%	BBgBarc US Agg Bond TR USD	4.0%	S&P 500 TR USD	40.0%
Russell MidCap TR USD	4.5%	BBgBarc US Govt/Credit 1-5 Yr TR USD	65.0%		
Russell 2000 Growth TR USD	3.0%			Hartford Equity Income Fund	
BBgBarc US Trsy Infl Note 1-10Y TR USD	9.0%			Russell 1000 Value TR USD	100.0%
BBgBarc US Agg Bond TR USD	10.0%	Age-Based 18+		Hartford Div and Growth Fund	
FTSE WGBI USD	7.5%	MSCI ACWI Ex USA Growth NR	2.0%	S&P 500 TR USD	100.0%
		S&P 500 TR USD	7.0%		
		Russell 1000 Value TR USD	0.0%	Hartford Growth Opportunities	
		Hartford Global Real Asset Custom Index	4.0%	Russell 3000 Growth TR USD	100.0%
		BBgBarc US Trsy Infl Note 1-10Y TR USD	6.0%		
		FTSE WGBI USD	1.0%	Hartford Mid-Cap Fund	
		BBgBarc US Agg Bond TR USD	5.0%	S&P MidCap 400 TR	100.0%
		BBgBarc US Govt/Credit 1-5 Yr TR USD	75.0%	Hartford Mid-Cap Value Fund	
				Russell 2500 Value TR USD	100.0%
				Hartford Small Company Fund	
				Russell 2000 Growth Index	100.0%
Age-Based 10-11 Balanced		Aggressive Growth Portfolio		Hartford Balanced Income	
MSCI ACWI Ex USA Growth NR USD	11.0%	MSCI ACWI Ex USA Growth NR	18.0%	60% S&P 500-40% BarCap Agg	100.0%
MSCI ACWI Ex USA NR USD	4.5%	MSCI ACWI Ex USA NR	6.0%	MFS Global Equity Fund	
MSCI EM NR USD	2.5%	MSCI EM NR USD	4.0%	MSCI World Index	100.0%
S&P 500 TR USD	19.0%	S&P 500 TR USD	31.0%		
Russell 1000 Value TR USD	11.0%	Russell 1000 Value TR USD	17.0%	Hartford Intl Opportunities Fund	
Russell 1000 TR USD	2.0%	Russell 2000 Growth TR USD	4.0%	MSCI ACWI Ex USA Index	100.0%
Hartford Global Real Asset Custom Index	8.0%	MSCI ACWI Commodity Producers NR USD	7.0%	Hartford Total Return Bond Fund	
Russell MidCap TR USD	3.5%	Russell MidCap TR USD	6.0%	Barclays US Agg Bond Index	100.0%
Russell 2000 Growth TR USD	2.0%	Russell 1000 TR USD	5.0%	Hartford Inflation Plus Fund	
BBgBarc US Trsy Infl Note 1-10Y TR USD	9.0%	BBgBarc US Agg Bond TR USD	2.0%	Barclays US Trsy Infl Note 1-10Y Index	100.0%
BBgBarc US Govt/Credit 1-5 Yr TR	8.0%	BBgBarc US Trsy Infl Note 1-10Y	0.0%		
BBgBarc US Agg Bond TR USD	11.0%			Hartford High Yield Fund	
FTSE WGBI USD	8.5%			Barclays US Corporate High Yield Index	100.0%
				Hartford Stable Value Fund	
Age-Based 12-13		Growth Portfolio		BBgBarc US Govt/Credit 1-5 Yr TR USD	100.0%
MSCI ACWI Ex USA Growth NR USD	9.0%	MSCI ACWI Ex USA Growth NR	14.0%		
MSCI ACWI Ex USA NR USD	4.0%	MSCI ACWI Ex USA NR	5.5%		
MSCI EM NR USD	2.0%	Russell 2000 Growth TR USD	4.0%		
S&P 500 TR USD	16.0%	Russell Mid Cap TR	5.0%		
Russell 1000 TR USD	1.0%	Russell 1000 TR USD	4.0%		
Russell 1000 Value TR USD	8.0%	BBgBarc US Trsy Infl Note 1-10Y	3.0%		
Hartford Global Real Asset Custom Index	8.0%	MSCI EM NR USD	4.0%		
Russell MidCap TR USD	3.0%	S&P 500 TR USD	26.0%		
Russell 2000 Growth TR USD	2.0%	Hartford Global Real Asset Custom Index	7.0%		
BBgBarc US Trsy Infl Note 1-10Y TR USD	10.5%	Russell 1000 Value TR USD	17.0%		
BBgBarc US Agg Bond TR USD	17.0%	Barclays US Agg Bond TR USD	5.0%		
FTSE WGBI USD	9.5%	FTSE WGBI USD	5.5%		
BBgBarc US Govt/Credit 1-5 Yr TR USD	10.0%				
*Hartford Global Real Asset Custom Index: 35% Barclays US Trsy Infl Note 1-10Y TR USD, 10% Bloomberg Commodity TR USD, 55% MSCI ACWI Commodity Producers NR USD					

SMART529 Direct Blended Benchmarks

Age Based Portfolio 0-3

BBgBarc US Treasury US TIPS TR USD	0.0%
BBgBarc US Agg Float Adj TR USD	0.0%
CRSP US Total Market TR USD	68.0%
FTSE Global All Cap ex US TR USD	32.0%
BBgBarc US Govt/Credit 1-3 Yr TR USD	0.0%

Age Based Portfolio 4-6

BBgBarc US Treasury US TIPS TR USD	0.0%
BBgBarc US Agg Float Adj TR USD	17.0%
CRSP US Total Market TR USD	57.0%
FTSE Global All Cap ex US TR USD	26.0%
BBgBarc US Govt/Credit 1-3 Yr TR USD	0.0%

Age Based Portfolio 7-9

BBgBarc US Treasury US TIPS TR USD	7.0%
BBgBarc US Agg Float Adj TR USD	23.0%
CRSP US Total Market TR USD	47.0%
FTSE Global All Cap ex US TR USD	23.0%
BBgBarc US Govt/Credit 1-3 Yr TR USD	0.0%

Age Based Portfolio 10-11

BBgBarc US Treasury US TIPS TR USD	7.0%
BBgBarc US Agg Float Adj TR USD	25.0%
CRSP US Total Market TR USD	39.0%
FTSE Global All Cap ex US TR USD	21.0%
BBgBarc US Govt/Credit 1-3 Yr TR USD	8.0%

Age Based Portfolio 12-13

BBgBarc US Treasury US TIPS TR USD	9.0%
BBgBarc US Agg Float Adj TR USD	32.0%
CRSP US Total Market TR USD	31.0%
FTSE Global All Cap ex US TR USD	18.0%
BBgBarc US Govt/Credit 1-3 Yr TR USD	10.0%

Age Based Portfolio 14-15

BBgBarc US Treasury US TIPS TR USD	10.0%
BBgBarc US Agg Float Adj TR USD	38.0%
CRSP US Total Market TR USD	25.0%
FTSE Global All Cap ex US TR USD	15.0%
BBgBarc US Govt/Credit 1-3 Yr TR USD	12.0%

Age Based Portfolio 16

BBgBarc US Treasury US TIPS TR USD	7.0%
BBgBarc US Agg Float Adj TR USD	8.0%
CRSP US Total Market TR USD	19.0%
FTSE Global All Cap ex US TR USD	11.0%
BBgBarc US Govt/Credit 1-3 Yr TR USD	55.0%

Age Based Portfolio 17

BBgBarc US Treasury US TIPS TR USD	7.0%
BBgBarc US Agg Float Adj TR USD	8.0%
CRSP US Total Market TR USD	12.0%
FTSE Global All Cap ex US TR USD	8.0%
BBgBarc US Govt/Credit 1-3 Yr TR USD	65.0%

Age Based Portfolio 18

BBgBarc US Treasury US TIPS TR USD	5.0%
BBgBarc US Agg Float Adj TR USD	8.0%
CRSP US Total Market TR USD	7.0%
FTSE Global All Cap ex US TR USD	5.0%
BBgBarc US Govt/Credit 1-3 Yr TR USD	75.0%

Aggressive Growth Portfolio

MSCI US Broad Market NR USD	70.0%
MSCI ACWI Ex USA IMI NR USD	30.0%

Growth Portfolio

MSCI US Broad Market NR USD	56.0%
MSCI ACWI Ex USA IMI NR USD	24.0%
Barclays US Agg Bond TR USD	14.9%
Barclays US Treasury US TIPS TR USD	5.1%

Balanced Portfolio

MSCI US Broad Market NR USD	45.5%
MSCI ACWI Ex USA IMI NR USD	19.5%
Barclays US Agg Bond TR USD	17.9%
Barclays US Treasury US TIPS TR USD	10.5%
Barclays Govt/Credit 1-5 Yr TR USD	6.6%

Conservative Balanced Portfolio

Barclays Govt/Credit 1-5 Yr TR USD	73.0%
MSCI US Broad Market NR USD	10.5%
Barclays US Agg Bond TR USD	6.0%
Barclays US Treasury US TIPS TR USD	6.0%
MSCI ACWI Ex USA IMI NR USD	4.5%

Conservative Bond Portfolio

Barclays Govt/Credit 1-5 Yr TR USD	70.0%
Barclays US Agg Bond TR USD	20.6%
Barclays US Treasury US TIPS TR USD	9.4%

The SMART529 Stable Value

Barclays Govt/Credit 1-5 Yr TR USD	100.0%
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SMART529 Direct Vanguard 500 Idx

S&P 500 TR USD	100.0%
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SMART529 Select Blended Benchmarks

Select Age-Based Portfolio 0-3 Benchmark

Russell 3000 TR USD	60.00%
MSCI World ex USA NR USD	25.00%
MSCI EM NR USD	10.00%
S&P Global REIT NR USD	5.00%

Select Age-Based Portfolio 4-6 Benchmark

Russell 3000 TR USD	54.00%
MSCI World ex USA NR USD	22.50%
MSCI EM NR USD	9.00%
Barclays US Agg Bond TR USD	8.20%
S&P Global REIT TR USD	2.69%
Barclays US Treasury US TIPS TR USD	1.80%
FTSE WGBI 1-5 Yr Hdg USD	4.50%

Select Age-Based Portfolio 7-8 Benchmark

Russell 3000 TR USD	48.00%
MSCI World ex USA NR USD	20.00%
Barclays US Agg Bond TR USD	16.40%
MSCI EM NR USD	8.00%
FTSE WGBI 1-5 Yr Hdg USD	4.00%
S&P Global REIT TR USD	3.60%
	100.00%

Select Age-Based Portfolio 9-10 Benchmark

Russell 3000 TR USD	42.00%
Barclays US Agg Bond TR USD	20.50%
MSCI World ex USA NR USD	17.50%
FTSE WGBI 1-5 Yr Hdg USD	9.50%
MSCI EM NR USD	7.00%
Barclays US Treasury US TIPS TR USD	0.00%
S&P Global REIT TR USD	3.50%

Select Age-Based Portfolio 11-12 Benchmark

Russell 3000 TR USD	36.00%
MSCI World ex USA NR USD	15.00%
Barclays US Agg Bond TR USD	15.80%
BofAML US Corp&Govt 1-5 Yr TR USD	9.20%
Barclays US Treasury US TIPS TR USD	12.00%
MSCI EM NR USD	6.00%
S&P Global REIT TR USD	6.00%
	100.00%

Select Age-Based Portfolio 13-14 Benchmark

Russell 3000 TR USD	30.00%
BofAML US Treasury Bill 6 Mon TR USD	2.00%
FTSE WGBI 1-5 Yr Hdg USD	11.90%
MSCI World ex USA NR USD	12.50%
Barclays US Agg Bond TR USD	10.90%
BofAML US Corp&Govt 1-5 Yr TR USD	3.20%
Barclays US Treasury US TIPS TR USD	22.00%

Select Aggressive Growth Portfolio Benchmark

Russell 3000 TR USD	61.04%
MSCI World ex USA NR USD	27.17%
MSCI EM NR USD	8.79%
S&P Global REIT TR USD	3.00%

Select Moderate Aggressive Portfolio Benchmark

Russell 3000 TR USD	54.89%
MSCI World ex USA NR USD	24.45%
MSCI EM NR USD	7.88%
Barclays US Agg Bond TR USD	6.79%
S&P Global REIT TR USD	2.69%
Barclays US Treasury US TIPS TR USD	1.80%
FTSE WGBI 1-5 Yr Hdg USD	1.50%

Select Growth Portfolio Benchmark

Russell 3000 TR USD	48.85%
MSCI World ex USA NR USD	21.72%
Barclays US Agg Bond TR USD	13.51%
MSCI EM NR USD	7.01%
Barclays US Treasury US TIPS TR USD	3.50%
FTSE WGBI 1-5 Yr Hdg USD	3.00%
S&P Global REIT TR USD	2.40%

Select Moderate Growth Portfolio Benchmark

Russell 3000 TR USD	36.64%
Barclays US Agg Bond TR USD	17.12%
MSCI World ex USA NR USD	16.32%
FTSE WGBI 1-5 Yr Hdg USD	13.21%
MSCI EM NR USD	5.31%
Barclays US Treasury US TIPS TR USD	5.01%
BofAML US Corp&Govt 1-5 Yr TR USD	2.30%
BofAML US Treasury Bill 6 Mon TR USD	2.30%
S&P Global REIT TR USD	1.80%

Select Balanced Portfolio Benchmark

Russell 3000 TR USD	27.47%
BofAML US Treasury Bill 6 Mon TR USD	14.99%
FTSE WGBI 1-5 Yr Hdg USD	14.99%
MSCI World ex USA NR USD	12.19%
Barclays US Agg Bond TR USD	11.99%
BofAML US Corp&Govt 1-5 Yr TR USD	8.99%
Barclays US Treasury US TIPS TR USD	4.10%
MSCI EM NR USD	3.90%
S&P Global REIT TR USD	1.40%

Select Moderately Conservative Portfolio Benchmark

BofAML US Treasury Bill 6 Mon TR USD	30.97%
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MSCI EM NR USD	5.00%
S&P Global REIT TR USD	2.50%
Select Age-Based Portfolio 15-16 Benchmark	
BofAML US Treasury Bill 6 Mon TR USD	9.40%
Russell 3000 TR USD	24.00%
BofAML US Corp&Govt 1-5 Yr TR USD	13.00%
FTSE WGBI 1-5 Yr Hdg USD	10.70%
MSCI World ex USA NR USD	10.00%
Barclays US Agg Bond TR USD	7.10%
MSCI EM NR USD	4.00%
Barclays US Treasury US TIPS TR USD	19.80%
S&P Global REIT TR USD	2.00%
	100.00%
Select Age-Based Portfolio 17-18 Benchmark	
BofAML US Treasury Bill 6 Mon TR USD	29.80%
Russell 3000 TR USD	18.00%
BofAML US Corp&Govt 1-5 Yr TR USD	9.10%
FTSE WGBI 1-5 Yr Hdg USD	10.50%
MSCI World ex USA NR USD	16.60%
Barclays US Agg Bond TR USD	3.80%
MSCI EM NR USD	3.00%
Barclays US Treasury US TIPS TR USD	9.10%
S&P Global REIT TR USD	1.50%
Select Age-Based Portfolio 19+ Benchmark	
BofAML US Treasury Bill 6 Mon TR USD	50.00%
BofAML US Corp&Govt 1-5 Yr TR USD	20.00%
Russell 3000 TR USD	12.20%
FTSE WGBI 1-5 Yr Hdg USD	10.00%
MSCI World ex USA NR USD	5.40%
MSCI EM NR USD	1.80%
S&P Global REIT TR USD	0.60%
Select Fixed Income Portfolio Benchmark	
Barclays US Agg Bond TR USD	48.60%
FTSE WGBI 1-5 Yr Hdg USD	36.40%
Barclays US Treasury US TIPS TR USD	15.00%

Russell 3000 TR USD	21.38%
BofAML US Corp&Govt 1-5 Yr TR USD	14.69%
FTSE WGBI 1-5 Yr Hdg USD	13.39%
MSCI World ex USA NR USD	9.49%
Barclays US Agg Bond TR USD	4.10%
MSCI EM NR USD	3.10%
Barclays US Treasury US TIPS TR USD	1.80%
S&P Global REIT TR USD	1.10%
Select Conservative Portfolio Benchmark	
BofAML US Treasury Bill 6 Mon TR USD	50.00%
BofAML US Corp&Govt 1-5 Yr TR USD	20.00%
Russell 3000 TR USD	12.20%
FTSE WGBI 1-5 Yr Hdg USD	10.00%
MSCI World ex USA NR USD	5.40%
MSCI EM NR USD	1.80%
S&P Global REIT TR USD	0.60%
Select All Equity Portfolio Benchmark	
Russell 3000 TR USD	61.00%
MSCI World ex USA NR USD	27.20%
MSCI EM NR USD	8.80%
S&P Global REIT NR USD	3%

Morningstar Category Classifications

SMART529 WV Direct Plan

- US 529 Age 0-4
- US 529 Age 5-6
- US 529 Age 7-8
- US 529 Age 9-10
- US 529 Age 11-12
- US 529 Age 13-14
- US 529 Age 15-16
- US 529 Age 17-18
- US 529 Age 19+
- US 529 Static Large Blend
- US 529 Static Allocation--70% to 85% Equity
- US 529 Static Allocation--50% to 70% Equity
- US 529 Static Allocation--30% to 50% Equity
- US 529 Static Intermediate Bond

The Hartford SMART529 Plan

- US 529 Age 0-4
- US 529 Age 5-6
- US 529 Age 7-8
- US 529 Age 9-10
- US 529 Age 11-12
- US 529 Age 13-14
- US 529 Age 15-16
- US 529 Age 17-18
- US 529 Age 19+
- US 529 Static Large Blend
- US 529 Static Large Value
- US 529 Static Large Growth
- US 529 Static Mid-Cap Equity
- US 529 Static Small-Cap Equity
- US 529 Static Non US Equity
- US 529 Static Short-Term Bond
- US 529 Static Allocation--70% to 85% Equity
- US 529 Static Allocation--30% to 50% Equity

SMART529 Select Plan

- US 529 Age 0-4
- US 529 Age 5-6
- US 529 Age 7-8
- US 529 Age 9-10
- US 529 Age 11-12
- US 529 Age 13-14
- US 529 Age 15-16
- US 529 Age 17-18
- US 529 Age 19+
- US 529 Static Mid-Cap Equity
- US 529 Static Allocation--70% to 85% Equity
- US 529 Static Allocation--50% to 70% Equity
- US 529 Static Allocation--30% to 50% Equity

Definitions

Age 0-4

Age 0-4 portfolios are intended for children from the ages of zero until they turn four. They may come in several equity allocations, from an aggressive 100% equity stake all the way to a conservative 40% equity stake.

Age 5-6

Age 5-6 portfolios are intended for children from the ages of five to six. They may come in several equity allocations, from an aggressive 100% equity stake all the way to a conservative 40% equity stake.

Age 7-8

Age 7-8 portfolios are intended for children from the ages of seven to eight. They may come in several equity allocations, from an aggressive 100% equity stake all the way to a conservative 30% equity stake.

Age 9-10

Age 9-10 portfolios are intended for children from the ages of nine to ten. They may come in several equity allocations, from an aggressive 100% equity stake all the way to a conservative 20% equity stake.

Age 11-12

Age 11-12 portfolios are intended for children from the ages of eleven to twelve. They may come in several equity allocations, from an aggressive 90% equity stake all the way to a conservative 10% equity stake.

Age 13-14

Age 13-14 portfolios are intended for children from the ages of 13 to 14. They may come in several equity allocations, from an aggressive 80% equity stake all the way to a conservative 0% equity stake.

Age 15-16

Age 15-16 portfolios are intended for children from the ages of 15 to 16. They may come in several equity allocations, from an aggressive 70% equity stake all the way to a conservative 0% equity stake.

Age 17-18

Age 17-18 portfolios are intended for children from the ages of 17 to 18. They may come in several equity allocations, from an aggressive 60% equity stake all the way to a conservative 0% equity stake.

Age 19+

Age 19+ portfolios are intended for children who are enrolled in college. They may come in several equity allocations, from an aggressive 35% equity stake all the way to a conservative 0% equity stake.

US 529 Static Large Value Equity

Large Value 529 portfolios invest primarily in big US companies that are less expensive or growing more slowly than other large-cap stocks. Stocks in the top 70% of the capitalization of the US equity market are defined as large-cap. Value is defined based on low valuations (low price ratios and high dividend yields) and slow growth (low growth rated for earnings, sales, book value, and cash flow).

US 529 Static Large Blend Equity

Large Blend 529 portfolios are representative of the overall US stock market in size, growth rates and price. Stocks in the top 70% of the capitalization of the US equity market are defined as large-cap. The blend style is assigned to portfolios where neither growth nor value characteristics predominate. These portfolios tend to invest across the spectrum of US industries.

US 529 Static Large Growth Equity

Large Growth 529 portfolios invest in big US companies that are projected to grow faster than other large-cap stocks. Stocks in the top 70% of the capitalization of the US equity market are defined as large cap. Growth is defined based on fast growth (highest growth rates for earnings, sales, book value, and cash flow) and high valuations (high price ratios and low dividend yields).

US 529 Static Mid-Cap Equity

Mid-cap 529 portfolios invest in either medium-sized companies or a mix of small-, mid-, and large-cap stocks. The U.S. mid-cap range for market capitalization typically falls between \$1 billion and \$8 billion and represents 20% of the total capitalization of the U.S. equity market.

US 529 Static Non-US Equity

529 Non U.S. Equity portfolios do not have any geographical limitations. It is common for these portfolios to invest the majority of assets in the US, Europe and Japan, with the remainder divided among the globe's small markets.

US 529 Static Government

529 US government portfolios have at least 90% of their bond holdings in bonds backed by the US government or by government-linked agencies.

US 529 Static Short-Term Bond

Short-term bond 529 portfolios invest primarily in corporate and other investment-grade fixed income issues. The majority of these funds invests primarily in the US but may have some non-US bond exposure. Durations on these funds will typically fall between on to 3.5 years.

US 529 Static Allocation--70% to 85% Equity

Aggressive-allocation 529 portfolios seek to provide both capital appreciation and income by investing in three major areas: stocks, bonds, and cash. These portfolios hold larger positions in stocks than conservative- or moderate-allocation portfolios. These portfolios typically have 70% to 90% of assets in equities and 10% to 30% in fixed income and cash.

US 529 Static Allocation--50% to 70% Equity

Moderate-allocation 529 portfolios seek to provide both capital appreciation and income by investing in three major areas: stocks, bonds, and cash. These portfolios hold smaller positions in stocks than aggressive-allocation portfolios. These portfolios typically have 50% to 70% of assets in equities and 30% to 50% in fixed income and cash.

US 529 Static Allocation--30% to 50% Equity

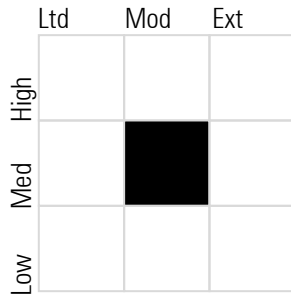
Conservative-allocation 529 portfolios seek to provide both capital appreciation and income by investing in three major areas: stocks, bonds, and cash. These portfolios hold smaller positions in stocks than moderate- or aggressive-allocation portfolios. These portfolios typically have 20% to 50% of assets in equities and 50% to 80% in fixed income and cash.

US 529 Static Intermediate Bond

Intermediate-term bond 529 portfolios invest primarily in corporate and other investment-grade fixed-income issues. The majority of these funds invest primarily in the U.S. but may have some non-U.S. bond exposure. Durations on these funds will typically fall between 3.5 to six years.

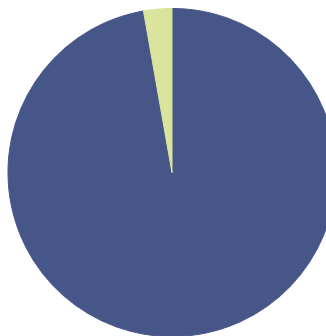
Asset Allocation

Portfolio Date: 12/31/2020

Morningstar Fixed Income Style Box™

Fixed-Income Stats

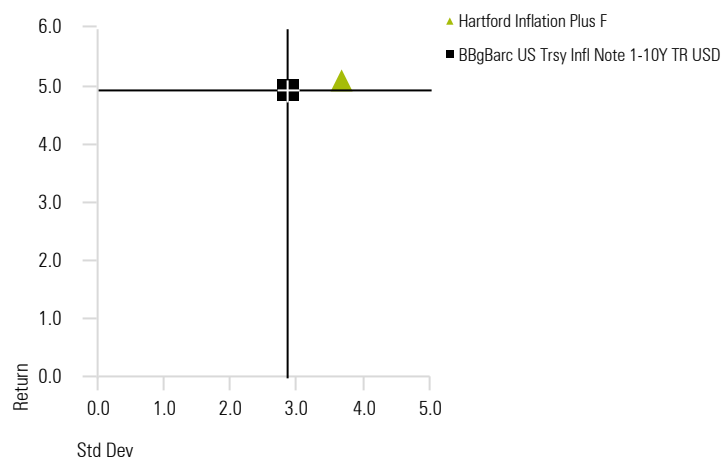
Average Eff Duration	5.3
Average Eff Maturity	6.2
Average Coupon	0.9
Average Price	112.0



	%
● Stock	0.0
● Bond	97.2
● Cash	2.8
● Other	0.0
Total	100.0

Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



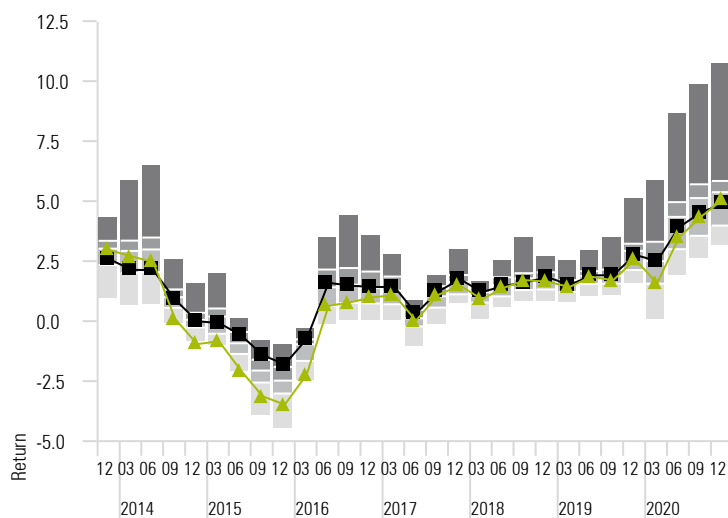
Credit Quality Breakdown

Portfolio Date: 9/30/2020

AAA %	80.8
AA %	0.22
A %	1.73
BBB %	4.36
BB %	4.40
B %	4.73
Below B %	0.74
Not Rated %	3.07
Yield to Maturity	

Rolling Returns (3 Years)

■ Top Quartile ■ 2nd Quartile ■ 3rd Quartile ■ Bottom Quartile

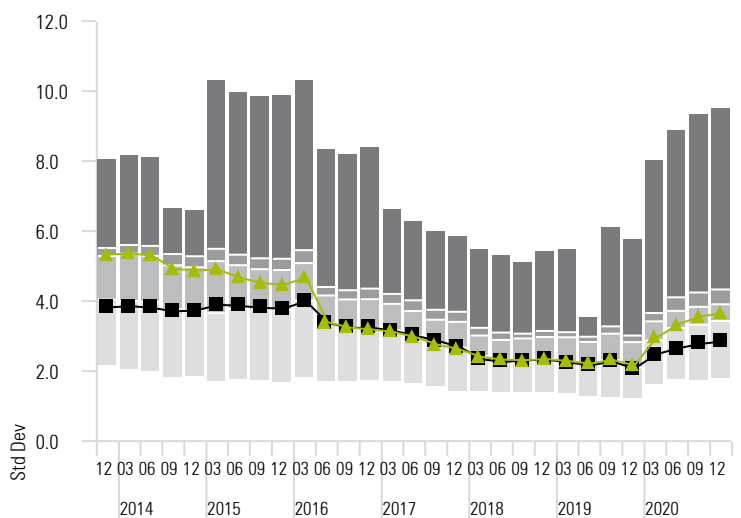


- Hartford Inflation Plus F

-BBqBarc US Trsy Infl Note 1-10Y TR USD

Rolling Risk (3 Years)

■ Top Quartile ■ 2nd Quartile ■ 3rd Quartile ■ Bottom Quartile



- Hartford Inflation Plus F

-BBqBarc US Trsy Infl Note 1-10Y TR USD

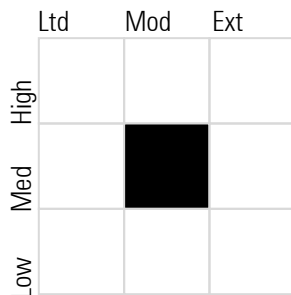
Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank			
Hartford Inflation Plus F	13.0	6.4	-9.1	0.6	-1.5	4.1	2.0	-1.0	28	6.9	62	9.7	54
BBgBarc US Trsry Infl Note 1-10Y TR USD	8.9	5.0	-5.6	0.9	-0.5	4.0	1.9	-0.3	6.9	8.4			

Fixed Income Statistics

Portfolio Date: 12/31/2020

Morningstar Fixed Income Style Box™

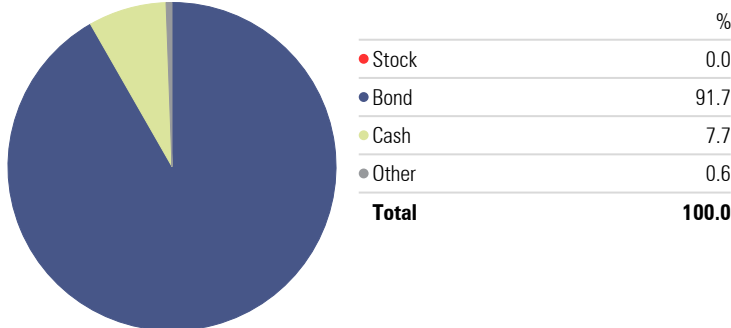


Fixed-Income Stats

Average Eff Duration	6.4
Average Eff Maturity	8.8
Average Coupon	2.9
Average Price	110.5

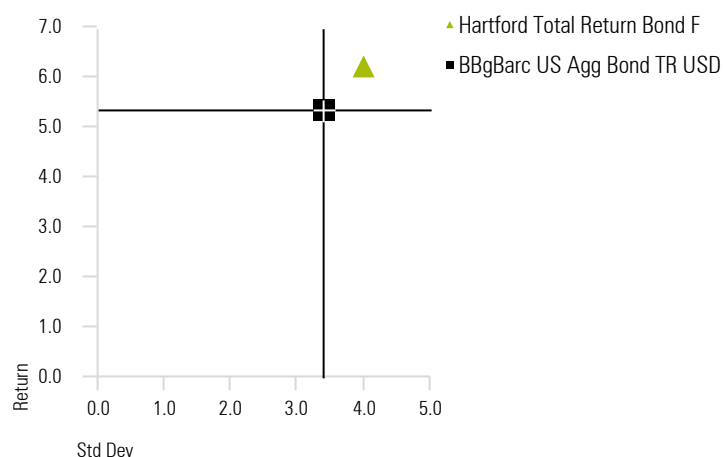
Asset Allocation

Portfolio Date: 12/31/2020



Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



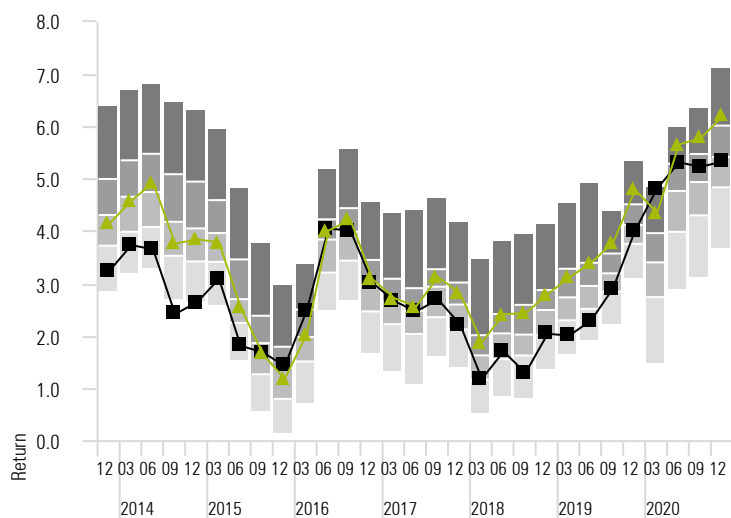
Credit Quality Breakdown

Portfolio Date: 9/30/2020

AAA %	61.6
AA %	1.96
A %	6.75
BBB %	17.42
BB %	5.09
B %	2.65
Below B %	1.05
Not Rated %	3.52
Yield to Maturity	

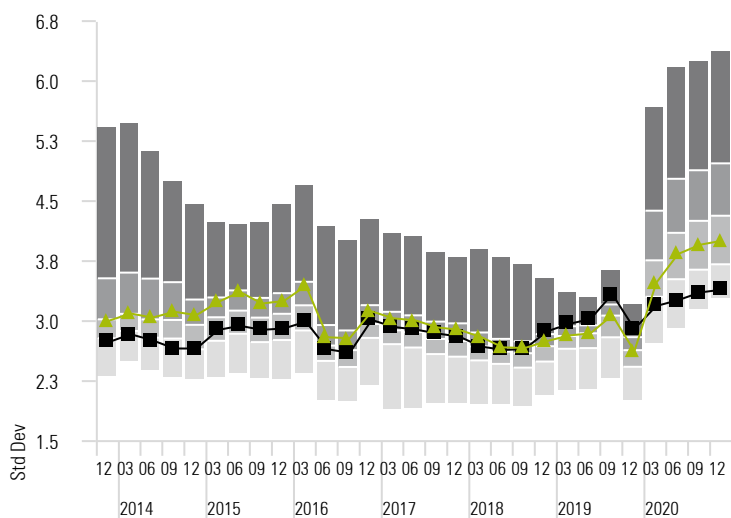
Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



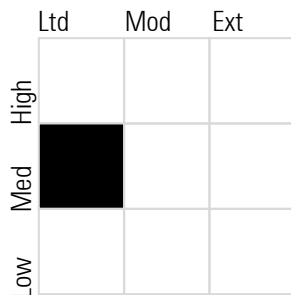
Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Total Return Bond F	6.7	7.5	-1.5	5.8	-0.6	4.2	4.9	-0.6	46	10.4
BbgBarc US Agg Bond TR USD	7.8	4.2	-2.0	6.0	0.5	2.6	3.5	0.0	8.7	7.5

Fixed Income Statistics

Portfolio Date: 12/31/2020

Morningstar Fixed Income Style Box™

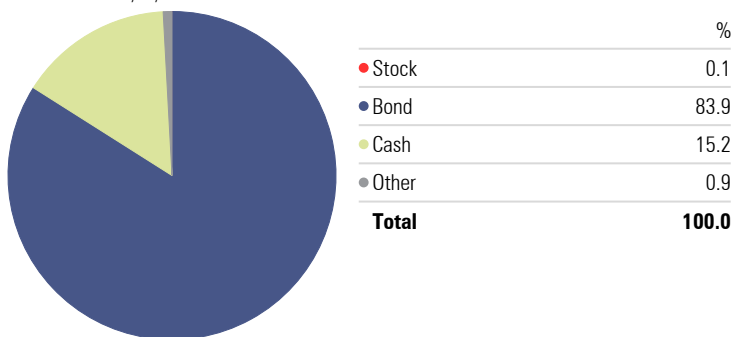


Fixed-Income Stats

Average Eff Duration	1.7
Average Eff Maturity	2.1
Average Coupon	2.1
Average Price	-

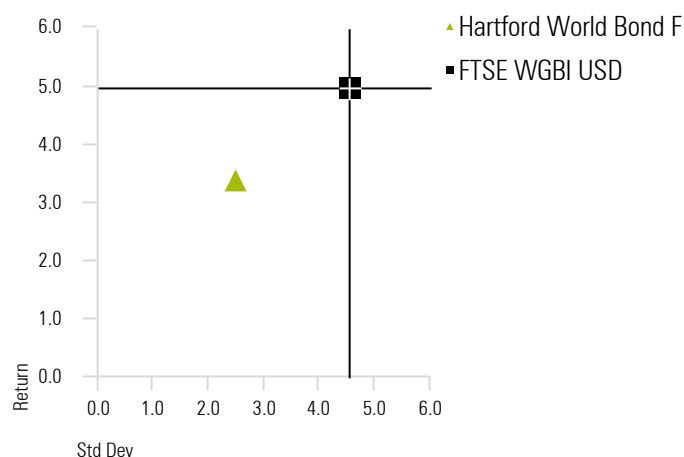
Asset Allocation

Portfolio Date: 12/31/2020



Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



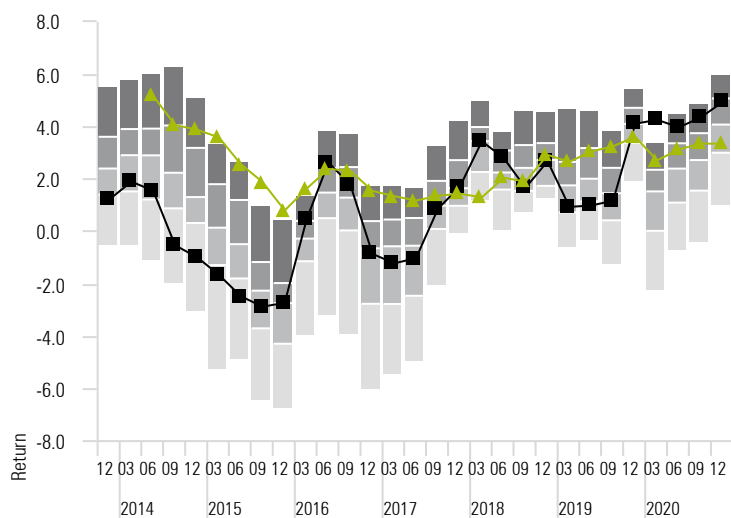
Credit Quality Breakdown

Portfolio Date: 9/30/2020

AAA %	37.6
AA %	14.40
A %	23.58
BBB %	12.44
BB %	4.51
B %	4.44
Below B %	0.77
Not Rated %	2.27
Yield to Maturity	

Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

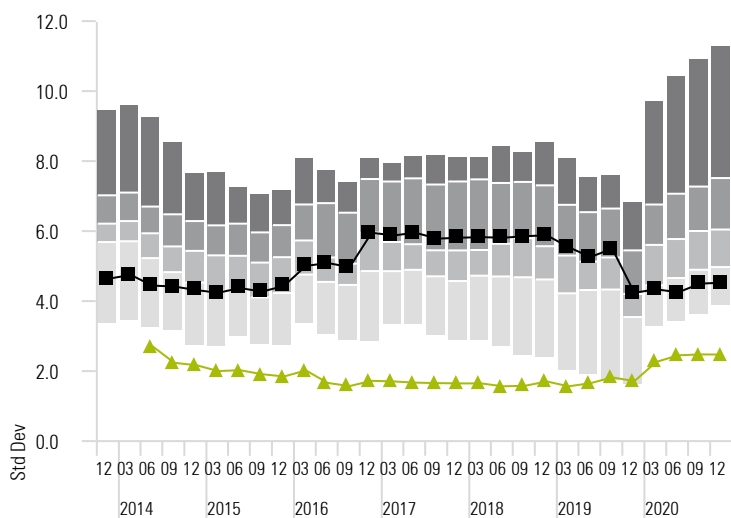


Hartford World Bond F

FTSE WGBI USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Hartford World Bond F

FTSE WGBI USD

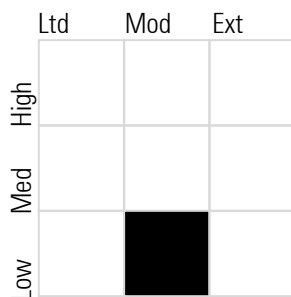
Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford World Bond F		9.2	-0.2	3.0	-0.2	2.0	2.7	4.2	1	4.0
FTSE WGBI USD	6.4	1.6	-4.0	-0.5	-3.6	1.6	7.5	-0.8	5.9	10.1

Fixed Income Statistics

Portfolio Date: 12/31/2020

Morningstar Fixed Income Style Box™

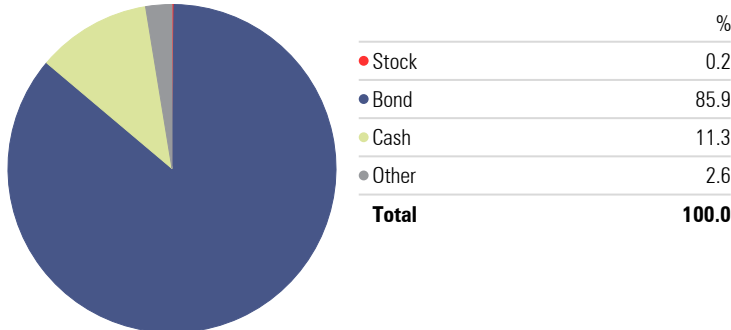


Fixed-Income Stats

Average Eff Duration	5.4
Average Eff Maturity	7.8
Average Coupon	3.6
Average Price	113.1

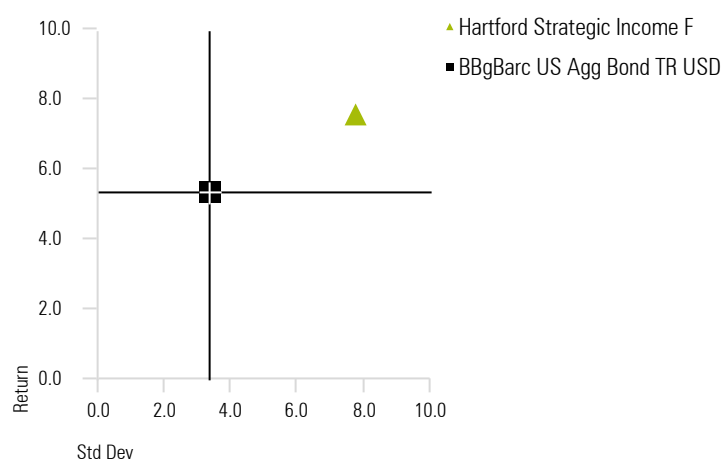
Asset Allocation

Portfolio Date: 12/31/2020



Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



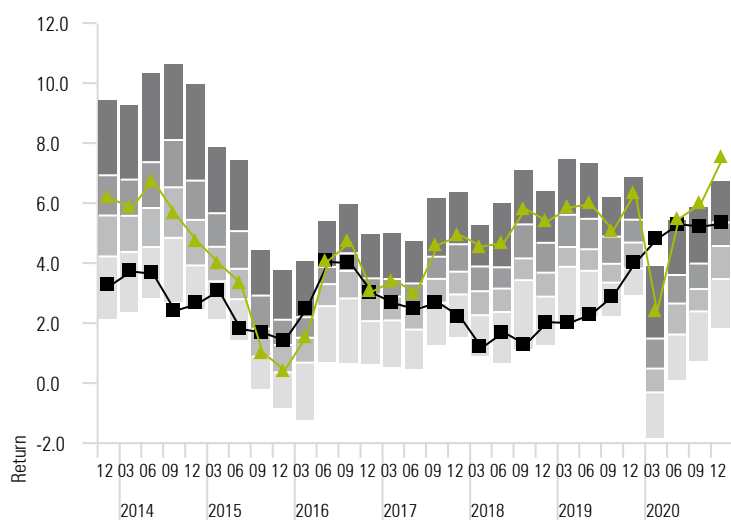
Credit Quality Breakdown

Portfolio Date: 9/30/2020

AAA %	26.3
AA %	1.20
A %	6.37
BBB %	11.51
BB %	16.61
B %	24.96
Below B %	6.02
Not Rated %	7.04
Yield to Maturity	

Rolling Returns (3 Years)

■ Top Quartile ■ 2nd Quartile ■ 3rd Quartile ■ Bottom Quartile

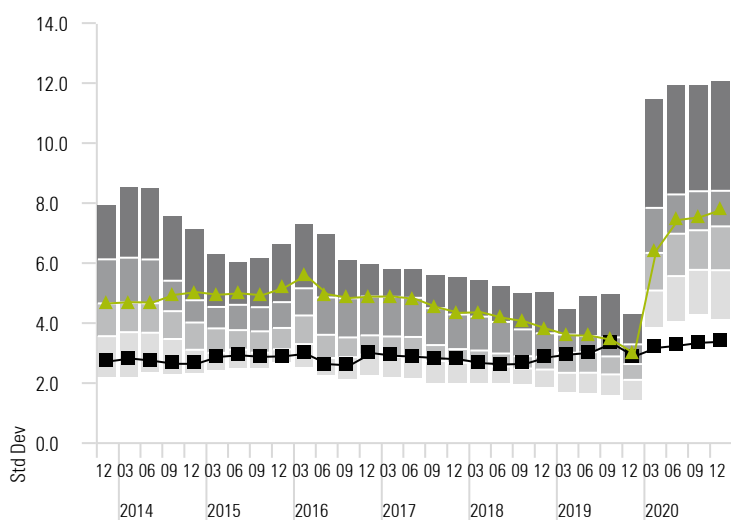


—Hartford Strategic Income F

—BbgBarc US Agg Bond TR USD

Rolling Risk (3 Years)

■ Top Quartile ■ 2nd Quartile ■ 3rd Quartile ■ Bottom Quartile



—Hartford Strategic Income F

—BbgBarc US Agg Bond TR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Strategic Income F	7.6	10.3	0.9	3.3	-2.7	9.1	9.0	-1.5	42	12.6
BbgBarc US Agg Bond TR USD	7.8	4.2	-2.0	6.0	0.5	2.6	3.5	0.0	8.7	7.5

Portfolio Statistics

	Fund	Index
# of Holdings	70	850
% Asset in Top 10 Holdings	27.8	16.6
Turnover Ratio %	31.0	
P/E Ratio	22.3	21.8
P/B Ratio	2.7	2.3
LT Earn Growth	6.4	9.7
Hist Earn Growth	9.7	8.9

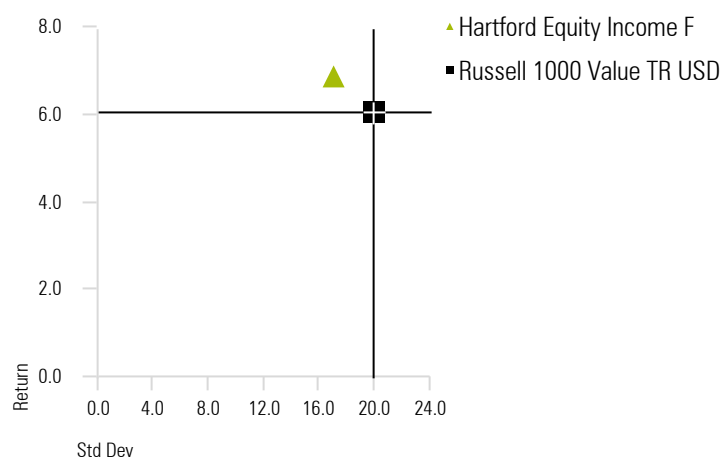
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	35.2	27.2
Market Cap Large %	54.3	39.3
Market Cap Mid %	10.5	28.3
Market Cap Small %	0.0	5.2
Market Cap Micro %	0.0	0.0
Average Market Cap (mil)	99,595.7	63,449.0

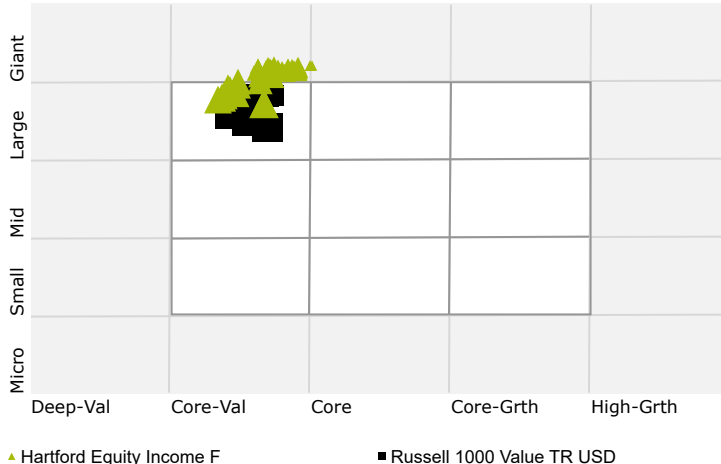
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



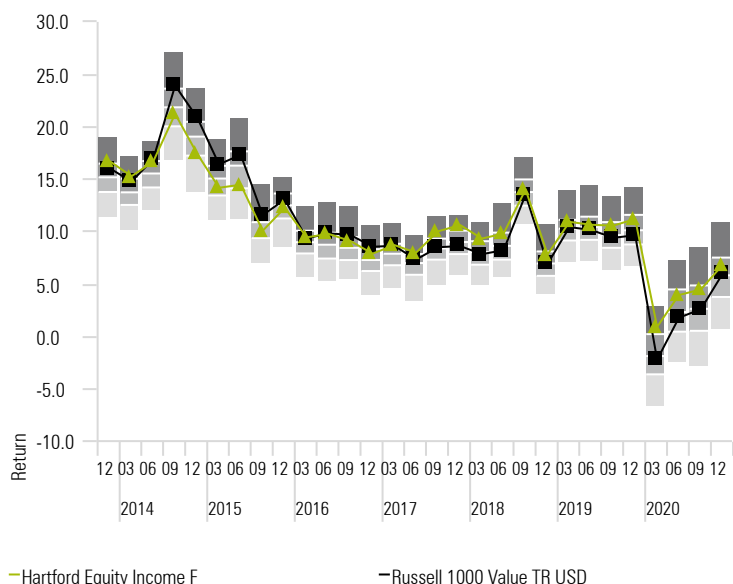
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



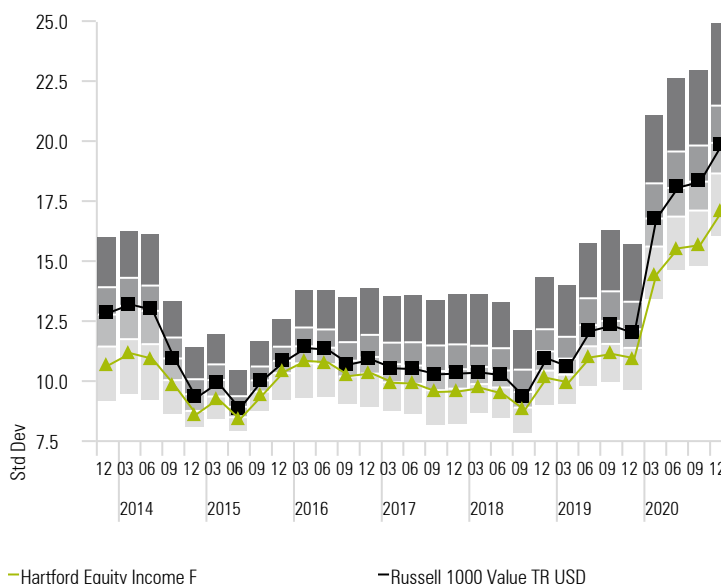
Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Equity Income F	7.5	14.0	29.8	9.4	-0.3	15.3	18.0	-7.7	37	26.4
Russell 1000 Value TR USD	0.4	17.5	32.5	13.5	-3.8	17.3	13.7	-8.3	26.5	2.8

Portfolio Statistics

	Fund	Index
# of Holdings	75	505
% Asset in Top 10 Holdings	30.0	28.1
Turnover Ratio %	28.0	
P/E Ratio	24.0	27.4
P/B Ratio	2.6	4.0
LT Earn Growth	7.3	10.8
Hist Earn Growth	6.5	11.0

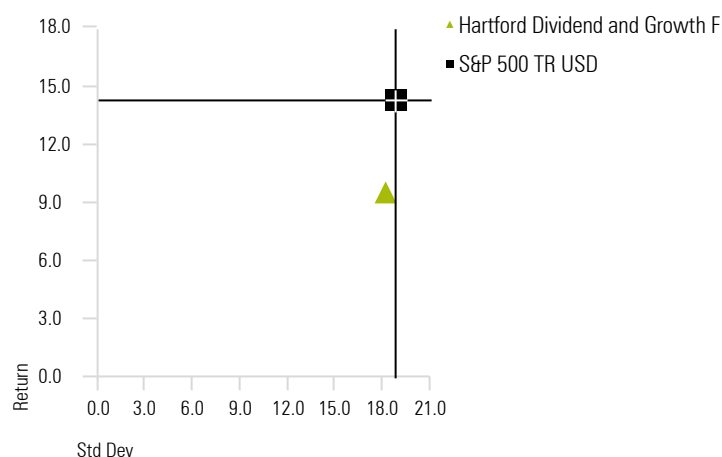
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	45.5	50.1
Market Cap Large %	35.6	33.8
Market Cap Mid %	18.8	15.8
Market Cap Small %	0.0	0.3
Market Cap Micro %	0.0	0.0
Average Market Cap (mil)	127,421.4	176,727.1

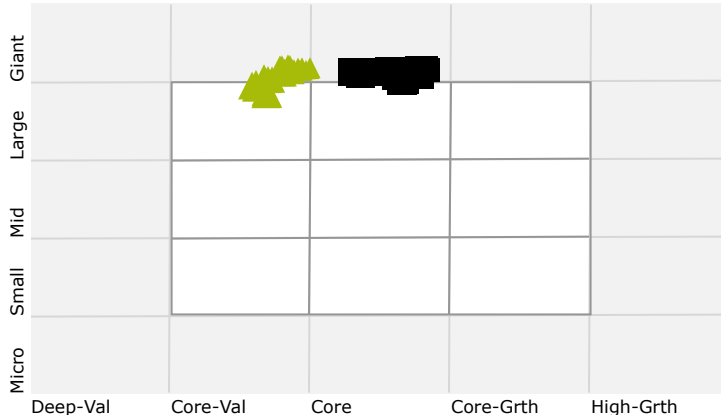
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



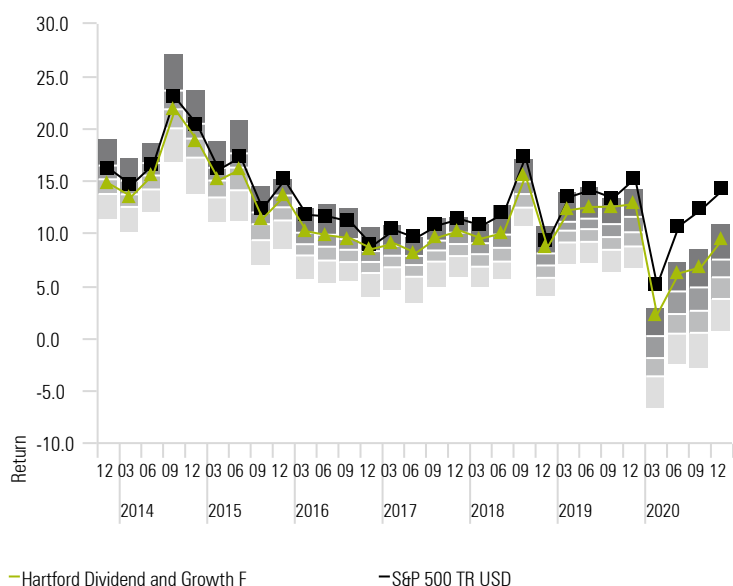
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



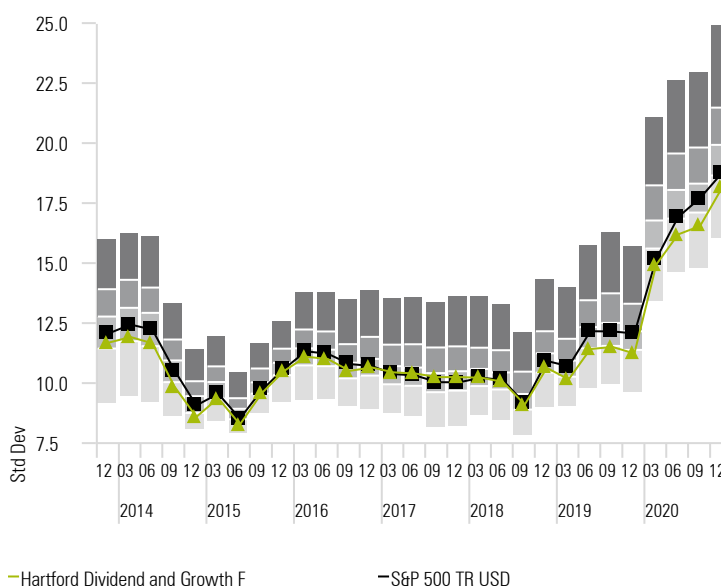
Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Dividend and Growth F	1.3	13.4	31.5	12.7	-1.1	14.8	18.2	-5.2	17	28.2
S&P 500 TR USD	2.1	16.0	32.4	13.7	1.4	12.0	21.8	-4.4	31.5	18.4

Portfolio Statistics

	Fund	Index
# of Holdings	1,025	1,013
% Asset in Top 10 Holdings	24.0	24.9
Turnover Ratio %	10.0	
P/E Ratio	28.4	27.5
P/B Ratio	4.0	3.9
LT Earn Growth	9.3	11.0
Hist Earn Growth	10.4	10.8

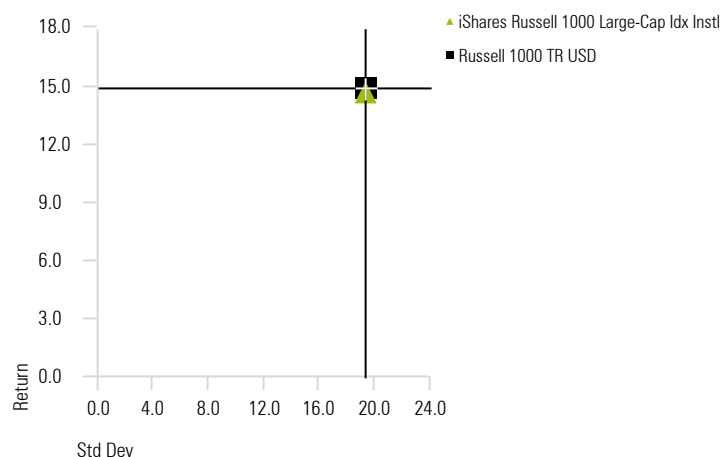
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	44.5	44.6
Market Cap Large %	32.3	32.3
Market Cap Mid %	20.3	20.3
Market Cap Small %	2.9	2.9
Market Cap Micro %	0.0	0.0
Average Market Cap (mil)	132,580.3	132,611.2

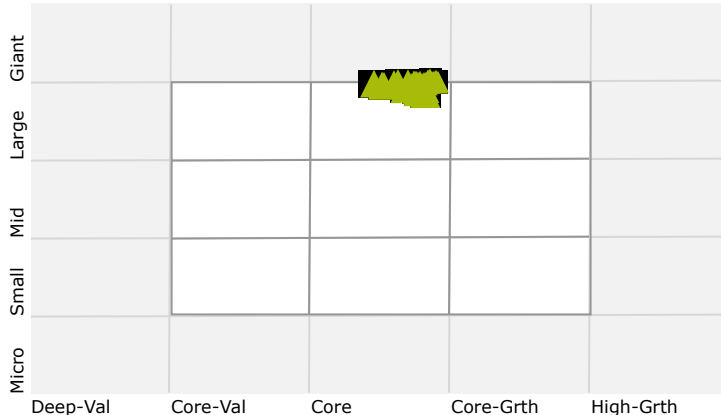
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



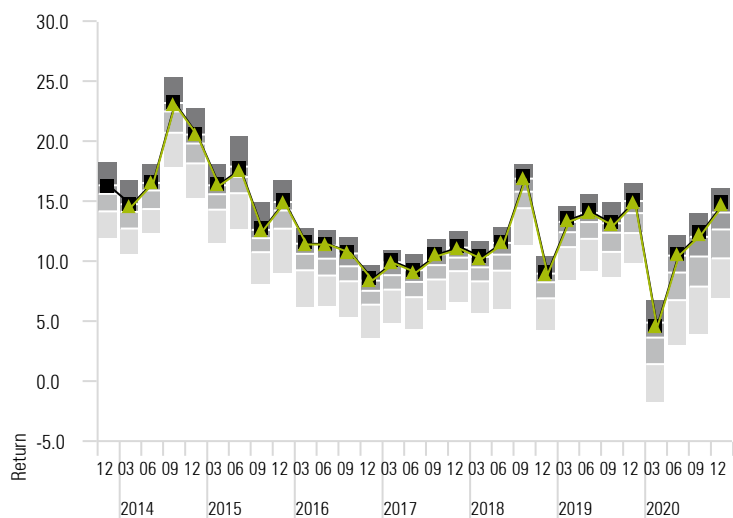
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Returns (3 Years)

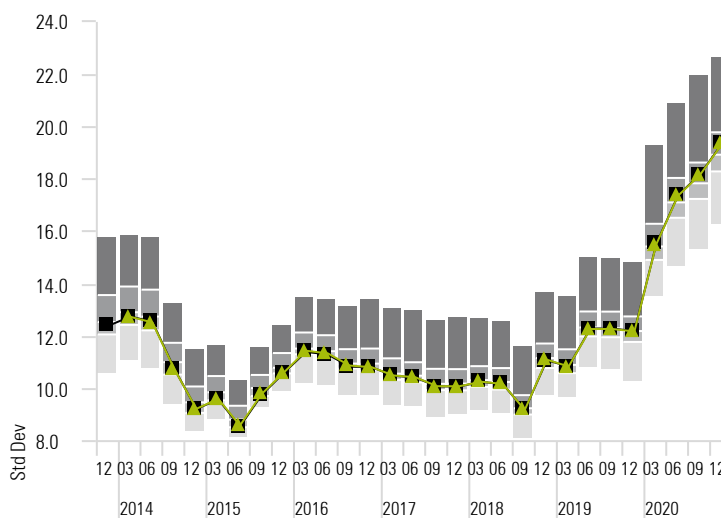
Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



iShares Russell 1000 Large-Cap Idx Instl Russell 1000 TR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



iShares Russell 1000 Large-Cap Idx Instl Russell 1000 TR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank									
iShares Russell 1000 Large-Cap Idx Instl		16.4	27	33.1	34	13.1	28	0.8	31	11.9	27	21.5	38	-4.9	36	31.3	29	20.8	20
Russell 1000 TR USD	1.5	16.4		33.1		13.2		0.9		12.1		21.7		-4.8		31.4		21.0	

Portfolio Statistics

	Fund	Index
# of Holdings	223	3,047
% Asset in Top 10 Holdings	17.0	23.2
Turnover Ratio %	84.0	
P/E Ratio	28.7	27.1
P/B Ratio	4.4	3.8
LT Earn Growth	9.4	11.0
Hist Earn Growth	8.8	10.2

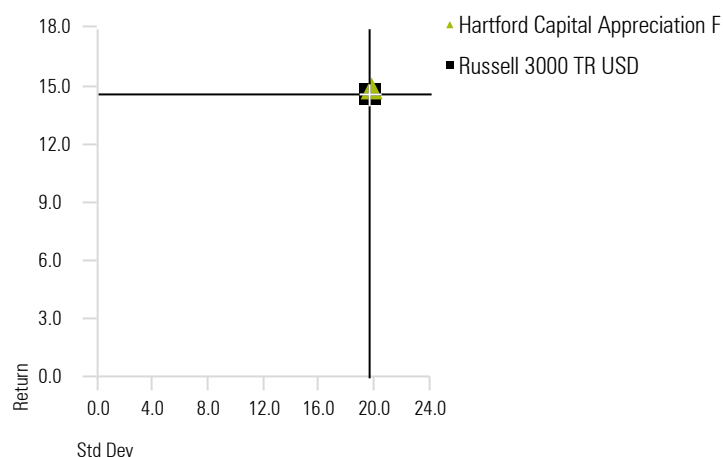
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	24.1	41.7
Market Cap Large %	42.9	30.2
Market Cap Mid %	26.0	19.6
Market Cap Small %	7.1	6.4
Market Cap Micro %	0.0	2.1
Average Market Cap (mil)	57,820.8	102,379.4

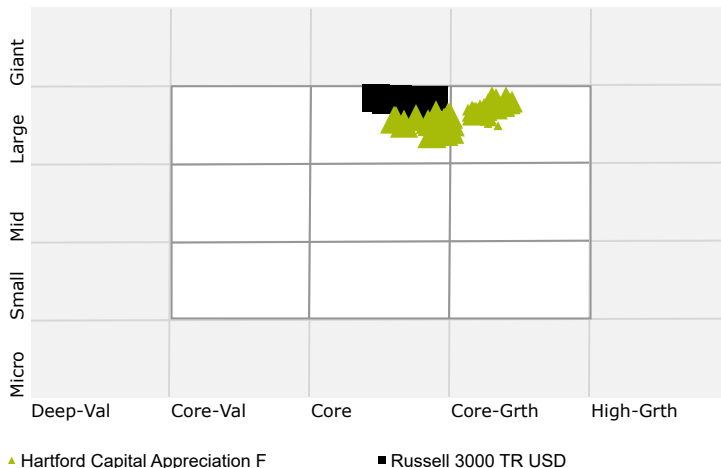
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



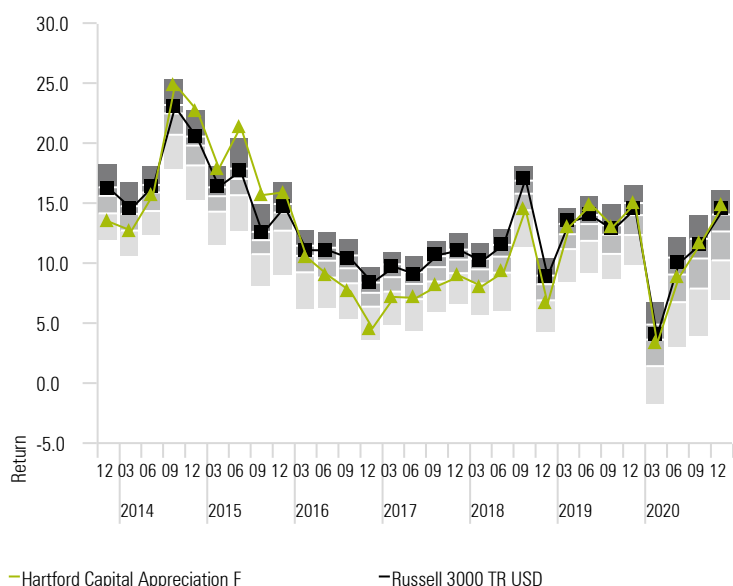
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



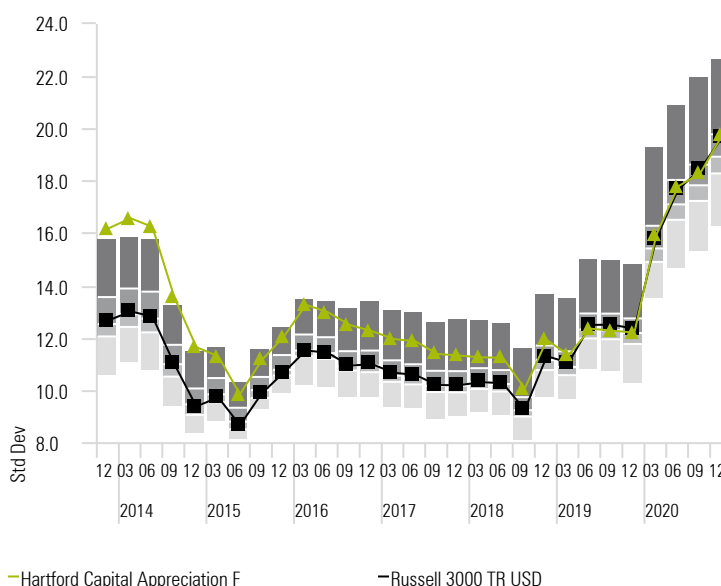
Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Calendar Year Returns

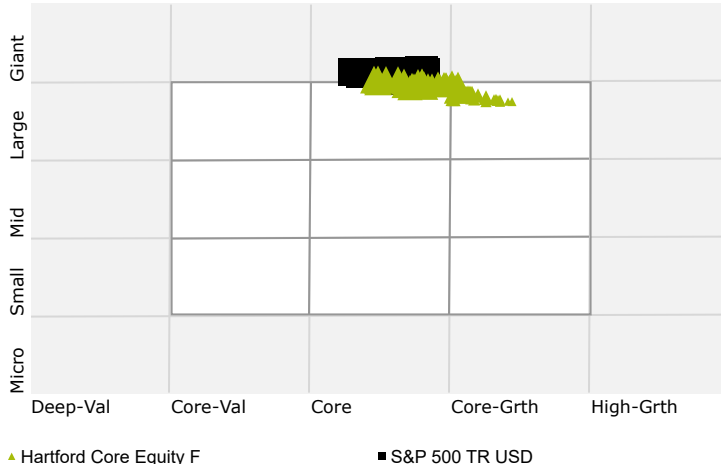
	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Capital Appreciation F	-14.9	20.7	42.3	7.7	1.7	4.5	21.7	-4.5	28	30.9
Russell 3000 TR USD	1.0	16.4	33.6	12.6	0.5	12.7	21.1	-5.2	31.0	20.9

Market Capitalization Breakdown

Portfolio Date: 12/31/2020		
	Fund	Index
Market Cap Giant %	45.7	50.1
Market Cap Large %	35.3	33.8
Market Cap Mid %	19.0	15.8
Market Cap Small %	0.0	0.3
Market Cap Micro %	0.0	0.0
Average Market Cap (mil)	161,048.1	176,727.1

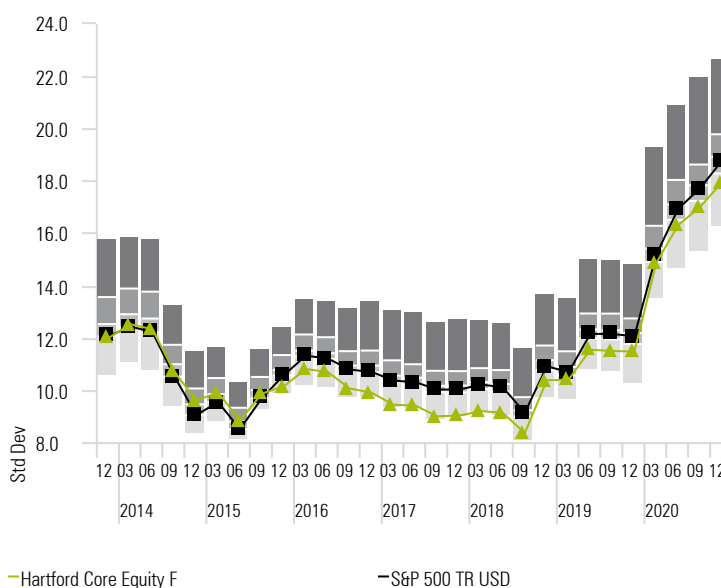
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Risk (3 Years)

■ Top Quartile ■ 2nd Quartile ■ 3rd Quartile ■ Bottom Quartile



	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Core Equity F	1.5	17.3	35.6	15.9	6.9	5.8	22.1	-1.5	7	35
S&P 500 TR USD	2.1	16.0	32.4	13.7	1.4	12.0	21.8	-4.4	31.5	18.4

Portfolio Statistics

	Fund	Index
# of Holdings	832	819
% Asset in Top 10 Holdings	4.5	4.6
Turnover Ratio %	26.0	
P/E Ratio	26.0	25.4
P/B Ratio	3.0	3.0
LT Earn Growth	9.0	10.5
Hist Earn Growth	7.5	7.3

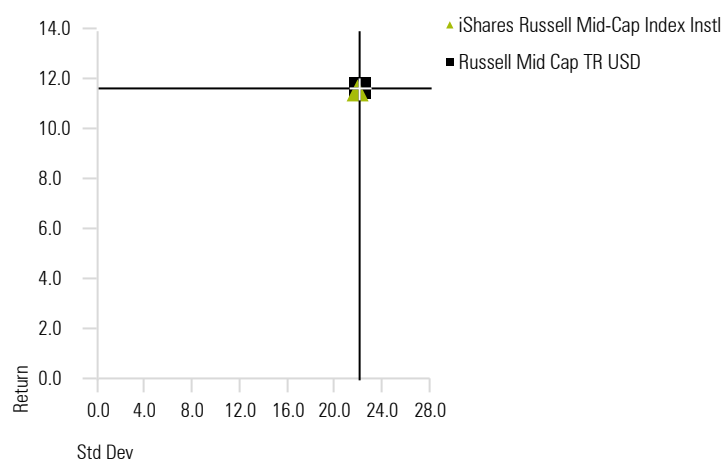
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	0.5	0.5
Market Cap Large %	14.6	14.6
Market Cap Mid %	73.8	73.8
Market Cap Small %	11.0	11.0
Market Cap Micro %	0.0	0.0
Average Market Cap (mil)	16,868.8	16,873.9

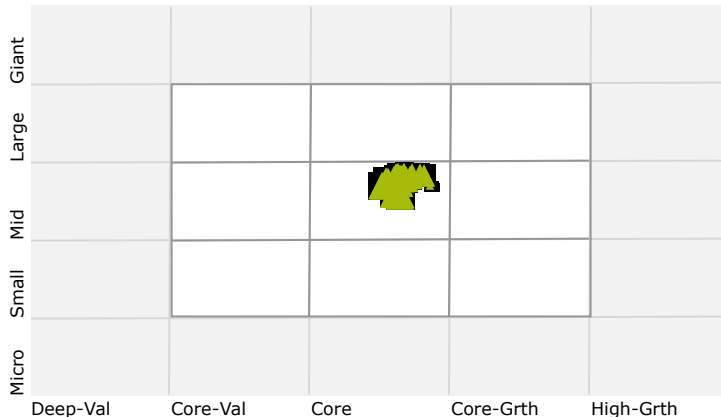
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



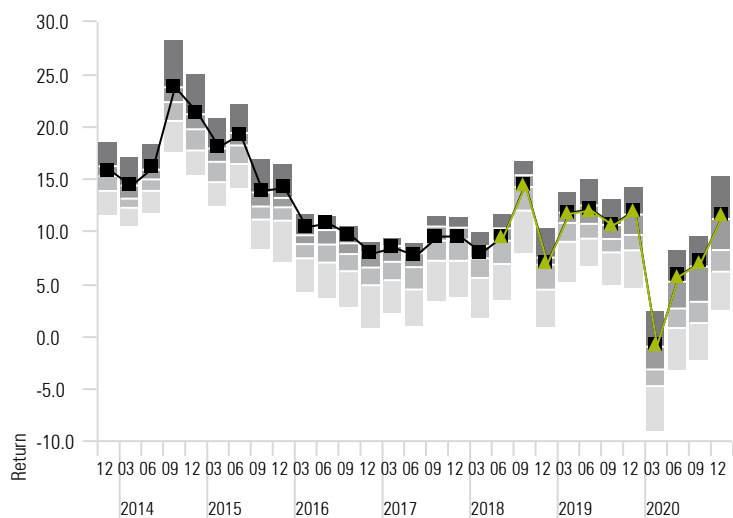
Holdings Based Style Trail (5 Years)

Time Period: 2/29/2016 to 12/31/2020



Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

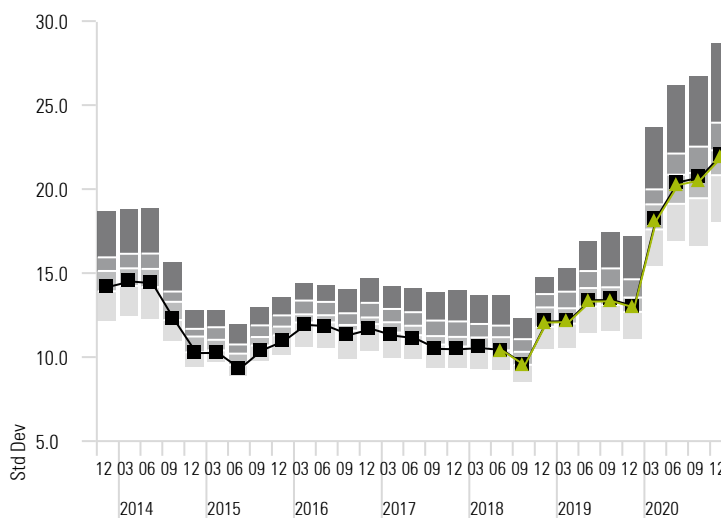


iShares Russell Mid-Cap Index Instl

Russell Mid Cap TR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



iShares Russell Mid-Cap Index Instl

Russell Mid Cap TR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank					
iShares Russell Mid-Cap Index Instl						13.7	61	18.3	28	-9.0	28	30.3	21	17.1	22
Russell Mid Cap TR USD	-1.5	17.3	34.8	13.2	-2.4	13.8	18.5	-9.1	30.5	17.1					

Portfolio Statistics

	Fund	Index
# of Holdings	174	1,122
% Asset in Top 10 Holdings	11.0	7.3
Turnover Ratio %	58.0	
P/E Ratio	25.7	30.3
P/B Ratio	4.3	5.7
LT Earn Growth	12.0	13.3
Hist Earn Growth	9.9	5.1

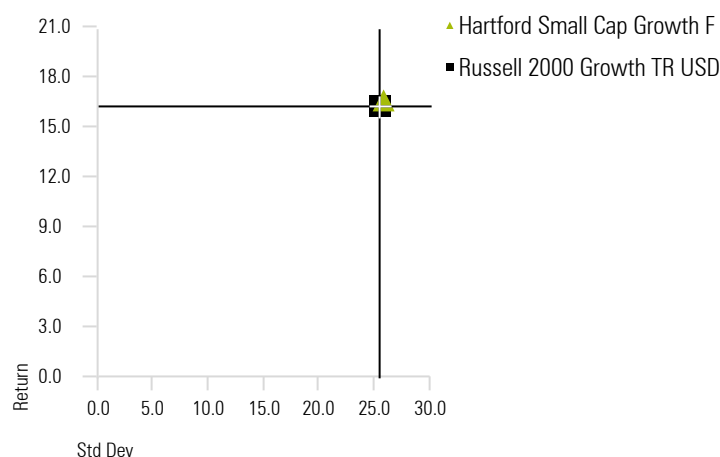
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	0.0	0.0
Market Cap Large %	0.0	0.0
Market Cap Mid %	19.9	15.4
Market Cap Small %	64.6	61.7
Market Cap Micro %	15.5	23.0
Average Market Cap (mil)	3,892.5	3,118.7

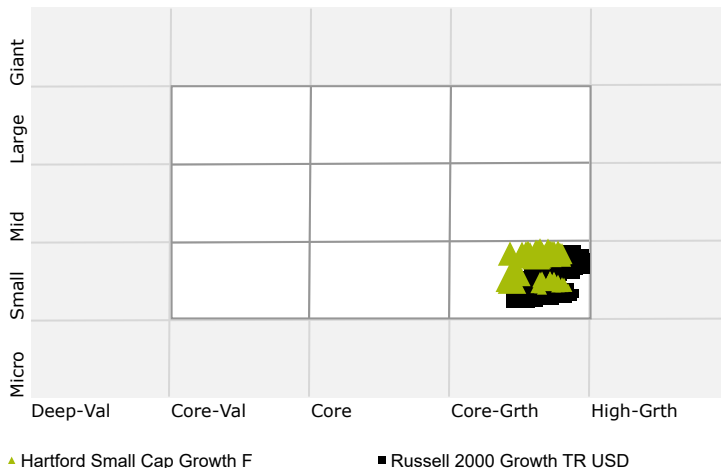
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



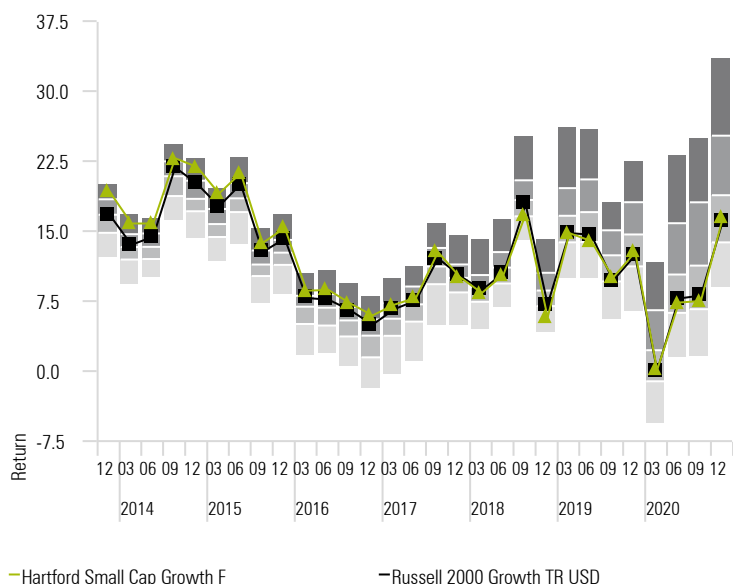
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



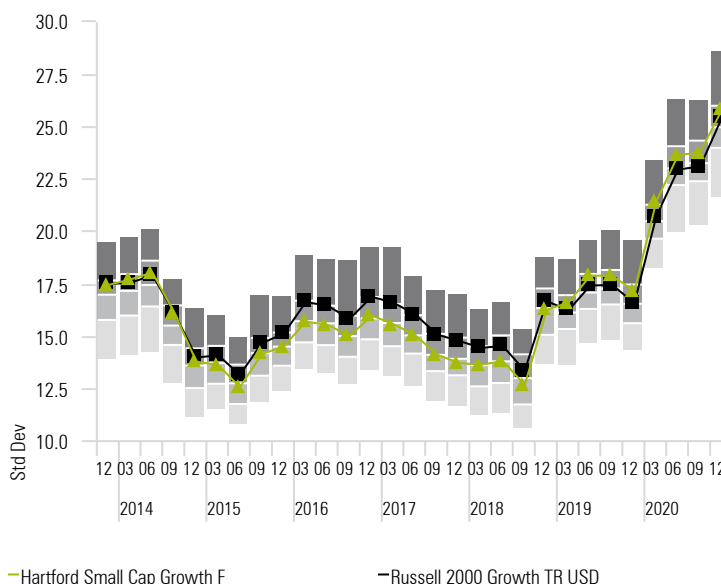
Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Small Cap Growth F	0.4	16.9	44.7	7.2	-0.9	12.2	20.1	-12.0	85	35.9
Russell 2000 Growth TR USD	-2.9	14.6	43.3	5.6	-1.4	11.3	22.2	-9.3	28.5	34.6

Portfolio Statistics

	Fund	Index
# of Holdings	122	2,342
% Asset in Top 10 Holdings	21.7	12.6
Turnover Ratio %	100.0	
P/E Ratio	28.8	20.5
P/B Ratio	3.2	1.8
LT Earn Growth	10.2	9.5
Hist Earn Growth	4.1	1.4

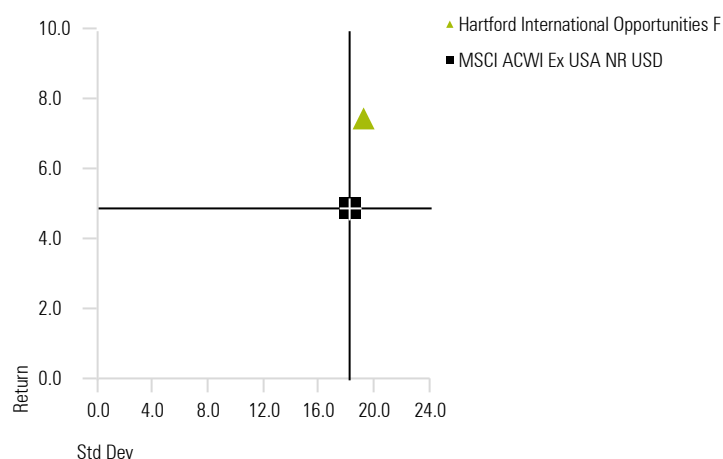
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	63.3	52.0
Market Cap Large %	33.6	36.8
Market Cap Mid %	3.1	11.2
Market Cap Small %	0.0	0.1
Market Cap Micro %	0.0	0.0
Average Market Cap (mil)	64,971.4	44,100.7

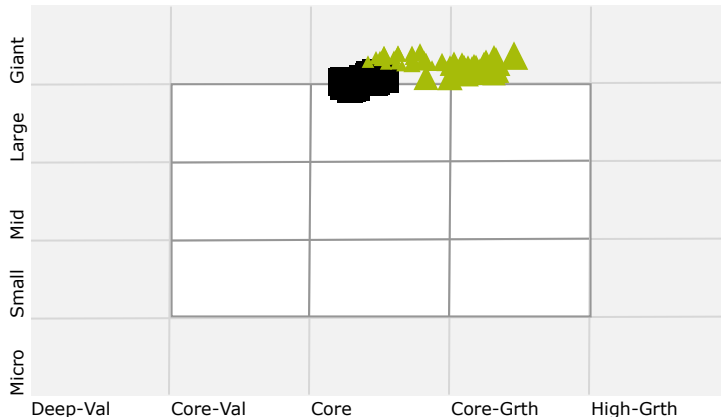
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



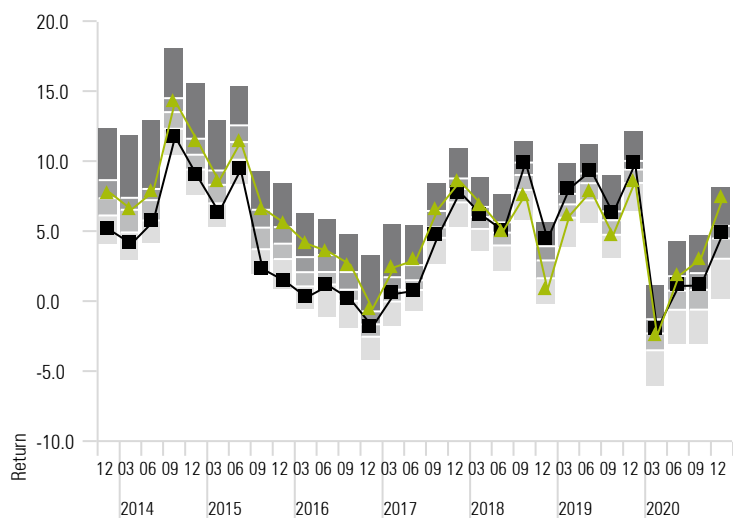
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

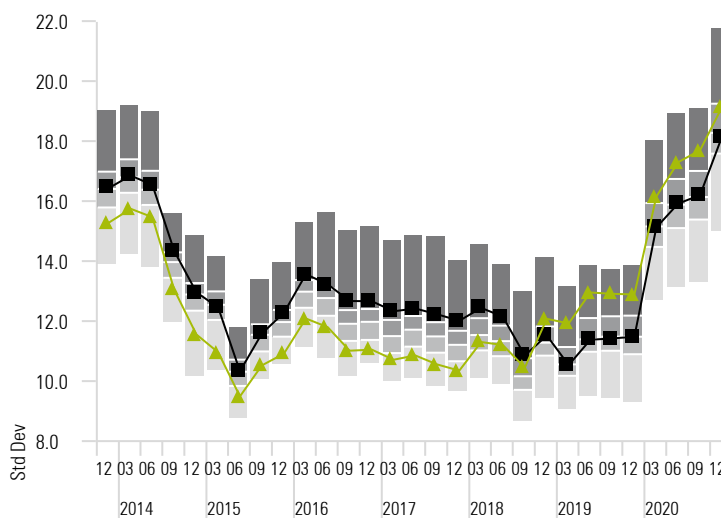


Hartford International Opportunities F

MSCI ACWI Ex USA NR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Hartford International Opportunities F

MSCI ACWI Ex USA NR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford International Opportunities F	-13.4	19.6	21.0	-4.1	1.6	1.2	24.7	-18.6	90	26.2
MSCI ACWI Ex USA NR USD	-13.7	16.8	15.3	-3.9	-5.7	4.5	27.2	-14.2	21.5	10.7

Portfolio Statistics

	Fund	Index
# of Holdings	999	2,342
% Asset in Top 10 Holdings	9.5	12.6
Turnover Ratio %	119.0	
P/E Ratio	13.3	20.5
P/B Ratio	1.1	1.8
LT Earn Growth	10.1	9.5
Hist Earn Growth	-2.1	1.4

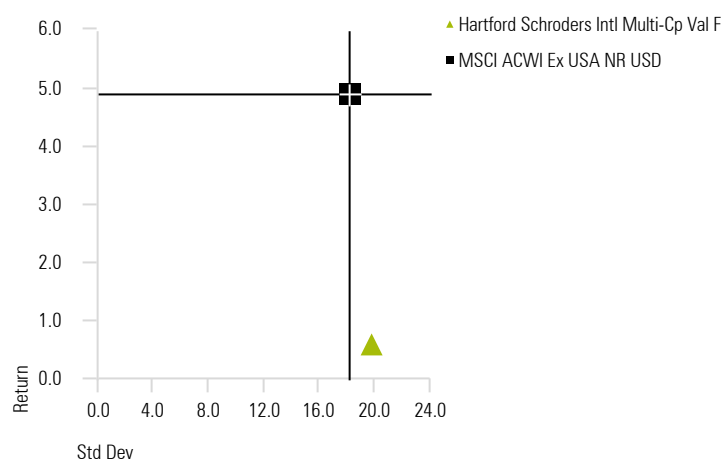
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	20.6	52.0
Market Cap Large %	31.6	36.8
Market Cap Mid %	35.4	11.2
Market Cap Small %	11.3	0.1
Market Cap Micro %	1.1	0.0
Average Market Cap (mil)	9,966.1	44,100.7

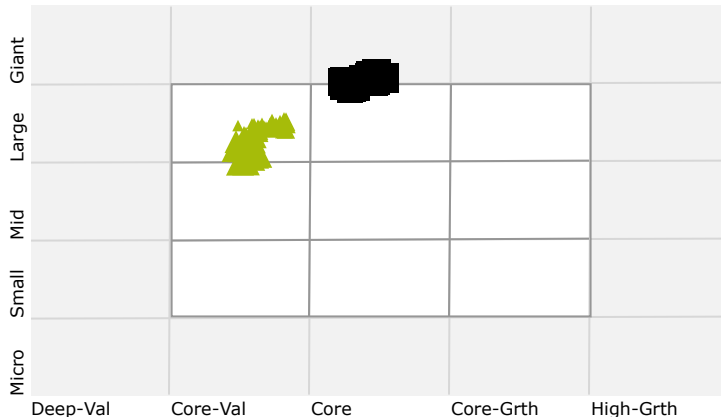
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



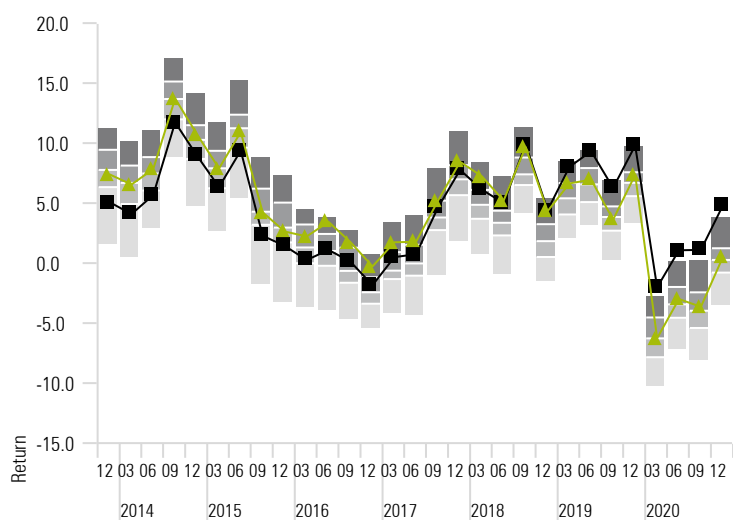
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

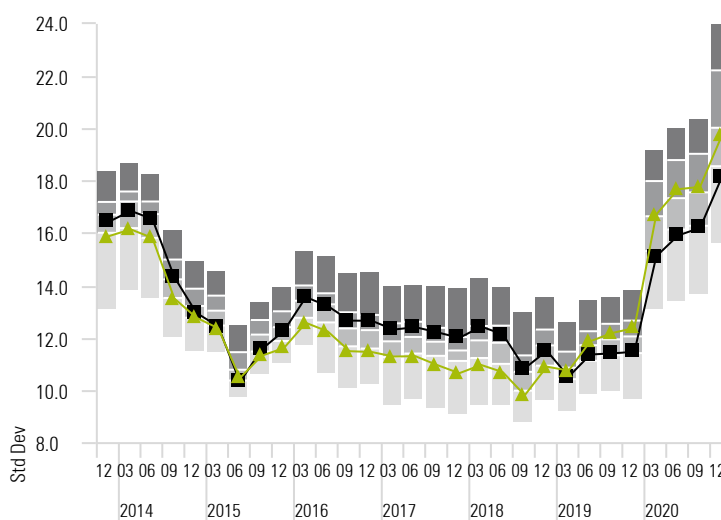


Hartford Schroders Intl Multi-Cp Val F

MSCI ACWI Ex USA NR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Hartford Schroders Intl Multi-Cp Val F

MSCI ACWI Ex USA NR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Schroders Intl Multi-Cp Val F	-12.4	19.5	18.6	-4.0	-4.8	8.8	23.4	-15.2	43	18.5
MSCI ACWI Ex USA NR USD	-13.7	16.8	15.3	-3.9	-5.7	4.5	27.2	-14.2	21.5	10.7

Portfolio Statistics

	Fund	Index
# of Holdings	105	1,380
% Asset in Top 10 Holdings	41.2	30.1
Turnover Ratio %	47.0	
P/E Ratio	21.8	19.7
P/B Ratio	2.4	2.1
LT Earn Growth	13.4	10.6
Hist Earn Growth	2.3	5.0

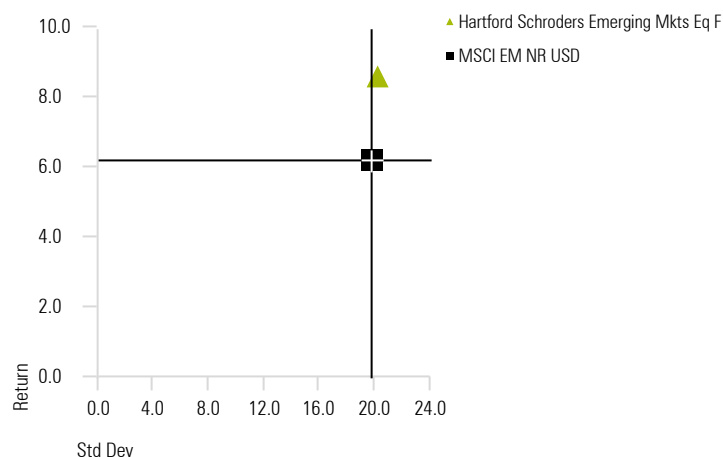
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	65.5	56.8
Market Cap Large %	24.8	31.2
Market Cap Mid %	9.1	11.7
Market Cap Small %	0.6	0.2
Market Cap Micro %	0.0	0.0
Average Market Cap (mil)	66,980.0	50,987.2

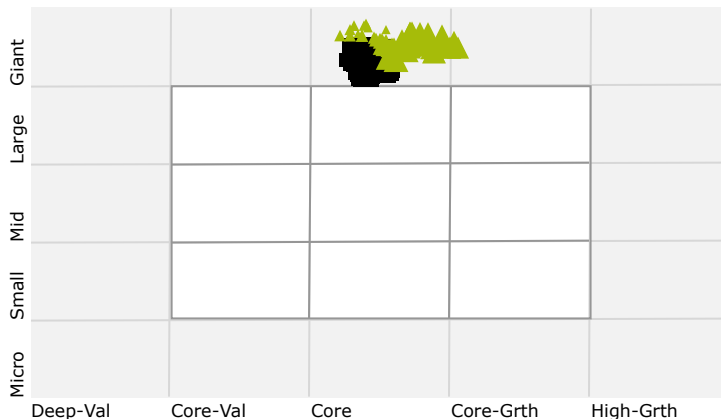
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



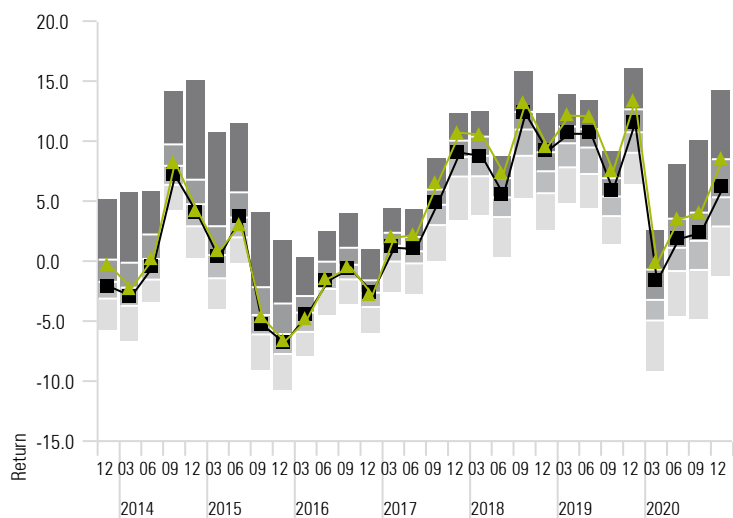
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Returns (3 Years)

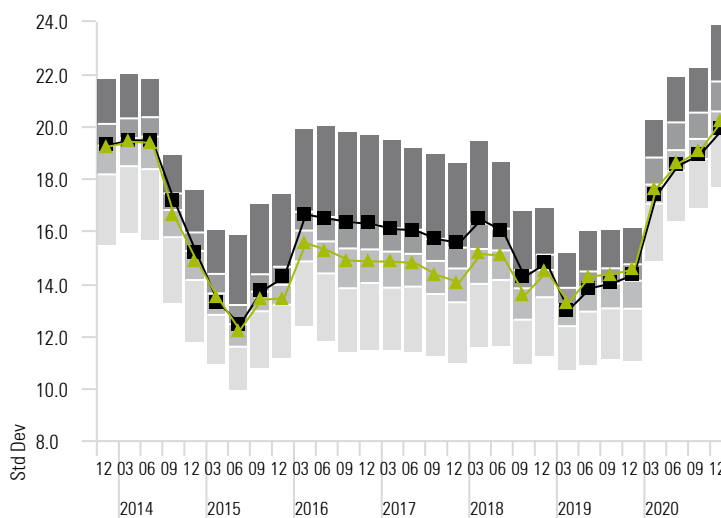
Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Hartford Schroders Emerging Mkts Eq F MSCI EM NR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Hartford Schroders Emerging Mkts Eq F MSCI EM NR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Schroders Emerging Mkts Eq F	-16.7	21.7	-2.3	-4.6	-12.7	10.4	41.0	-15.4	45	22.3
MSCI EM NR USD	-18.4	18.2	-2.6	-2.2	-14.9	11.2	37.3	-14.6	18.4	18.3

Portfolio Statistics

	Fund	Index
# of Holdings	436	209
% Asset in Top 10 Holdings	5.9	38.1
Turnover Ratio %	316.0	
P/E Ratio	18.1	20.0
P/B Ratio	1.4	1.3
LT Earn Growth	7.9	9.6
Hist Earn Growth	2.4	9.1

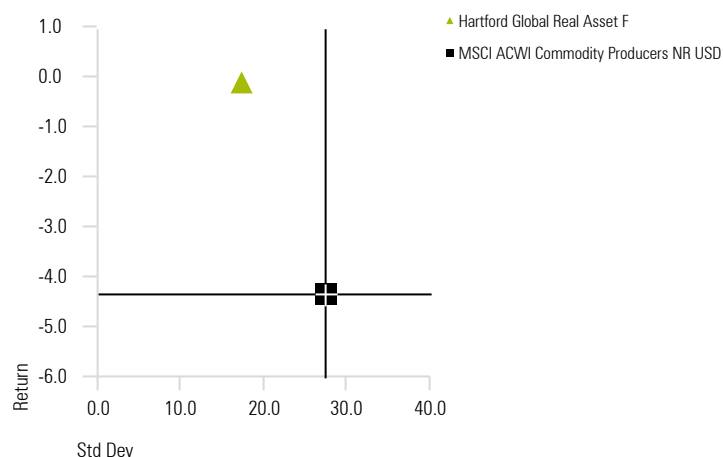
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	31.9	
Market Cap Large %	31.9	
Market Cap Mid %	24.8	
Market Cap Small %	8.6	
Market Cap Micro %	2.8	
Average Market Cap (mil)	23,038.9	

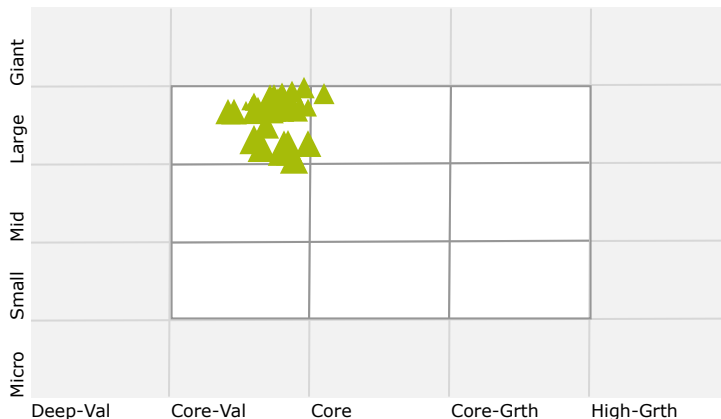
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



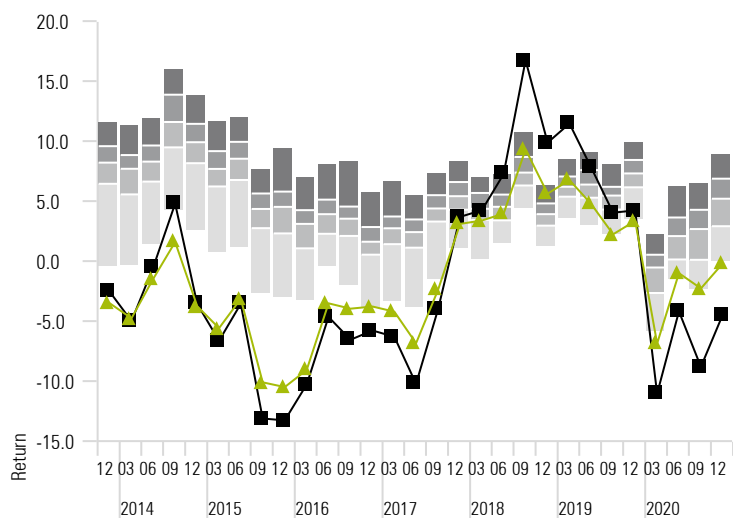
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



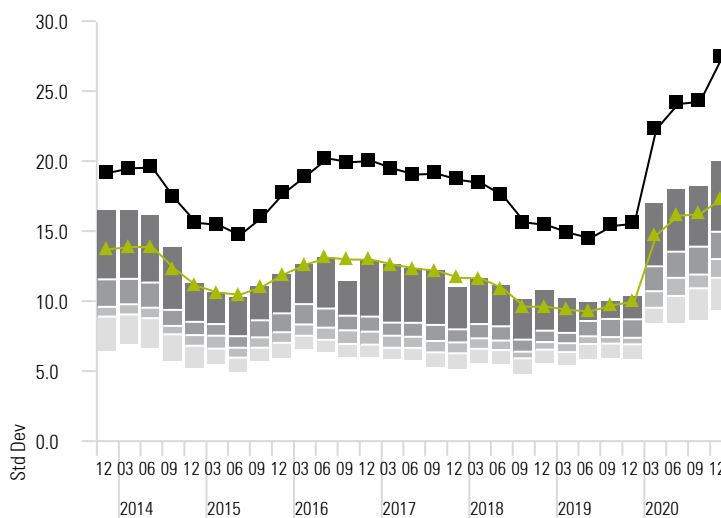
Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Calendar Year Returns

	2010	Rank	2012	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank
Hartford Global Real Asset F	-10.2		3.9		-3.5		-10.9		-16.4		19.8		9.6		-10.1	84	12.3	83	-1.2	83
MSCI ACWI Commodity Producers NR USD	-12.0		2.0		3.3		-14.7		-25.8		32.4		13.7		-11.8		13.1		-12.3	

Portfolio Statistics

	Fund	Index
# of Holdings	120	1,122
% Asset in Top 10 Holdings	16.6	7.3
Turnover Ratio %	104.0	
P/E Ratio	28.2	30.3
P/B Ratio	4.7	5.7
LT Earn Growth	15.9	13.3
Hist Earn Growth	6.1	5.1

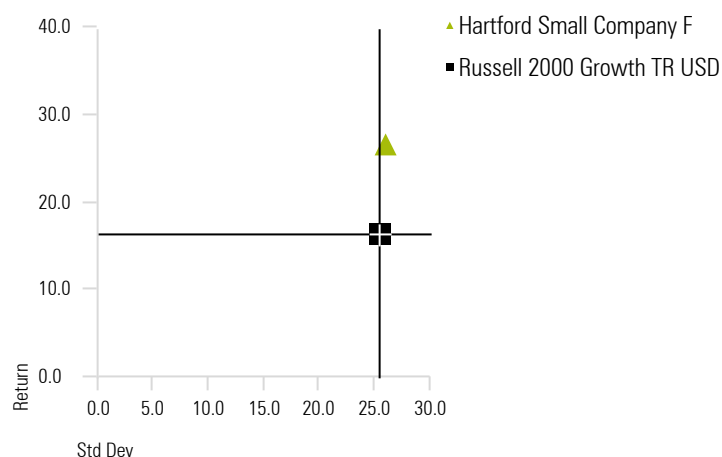
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	0.0	0.0
Market Cap Large %	0.8	0.0
Market Cap Mid %	32.0	15.4
Market Cap Small %	54.3	61.7
Market Cap Micro %	13.0	23.0
Average Market Cap (mil)	4,594.9	3,118.7

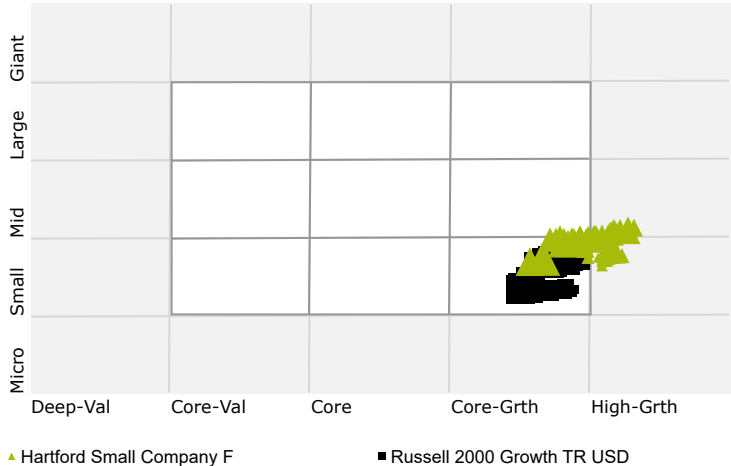
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



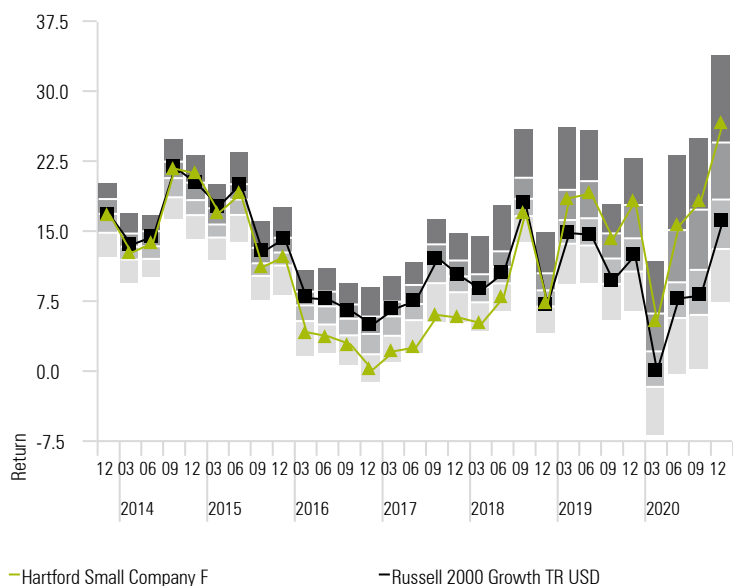
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



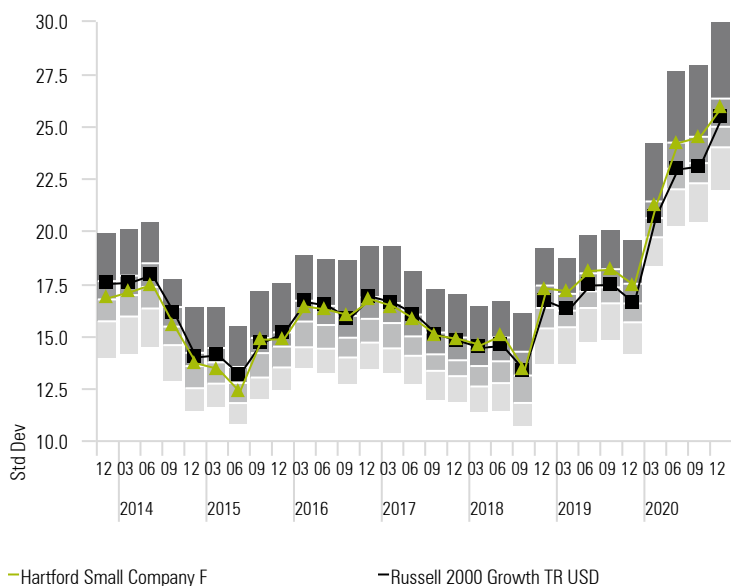
Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Small Company F	-4.3	15.6	44.1	6.9	-8.0	2.3	25.7	-4.0	34	37.0
Russell 2000 Growth TR USD	-2.9	14.6	43.3	5.6	-1.4	11.3	22.2	-9.3	28.5	34.6

Portfolio Statistics

	Fund	Index
# of Holdings	1,458	2
% Asset in Top 10 Holdings	12.7	100.0
Turnover Ratio %	63.0	
P/E Ratio	21.3	27.4
P/B Ratio	2.5	4.0
LT Earn Growth	5.8	10.8
Hist Earn Growth	9.2	11.0

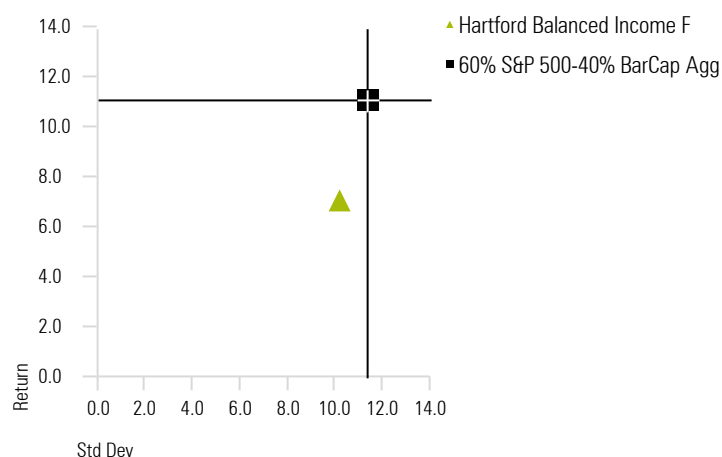
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	35.0	50.1
Market Cap Large %	54.6	33.8
Market Cap Mid %	10.4	15.8
Market Cap Small %	0.0	0.3
Market Cap Micro %	0.0	0.0
Average Market Cap (mil)	100,125.5	176,727.1

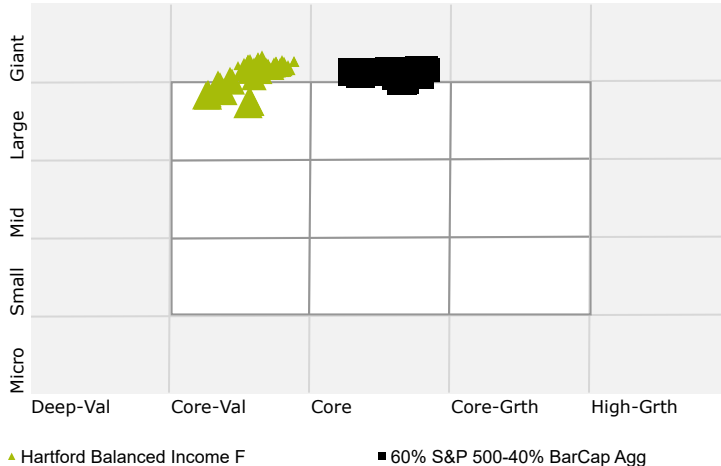
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



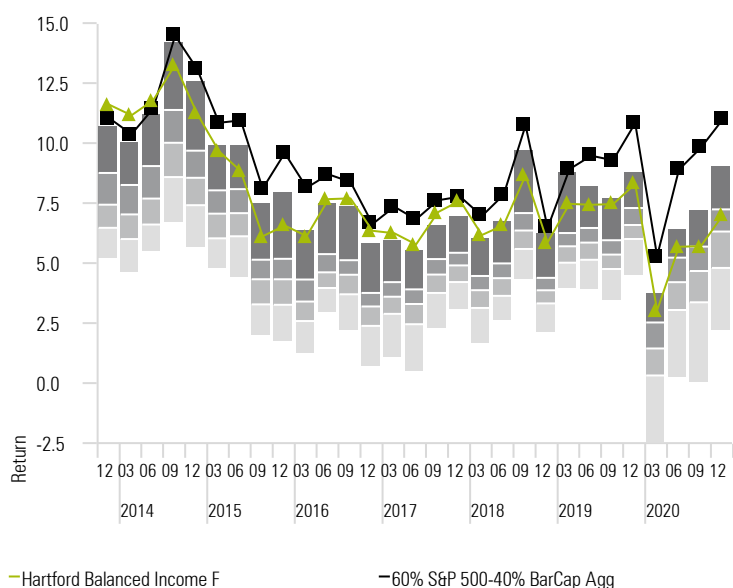
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



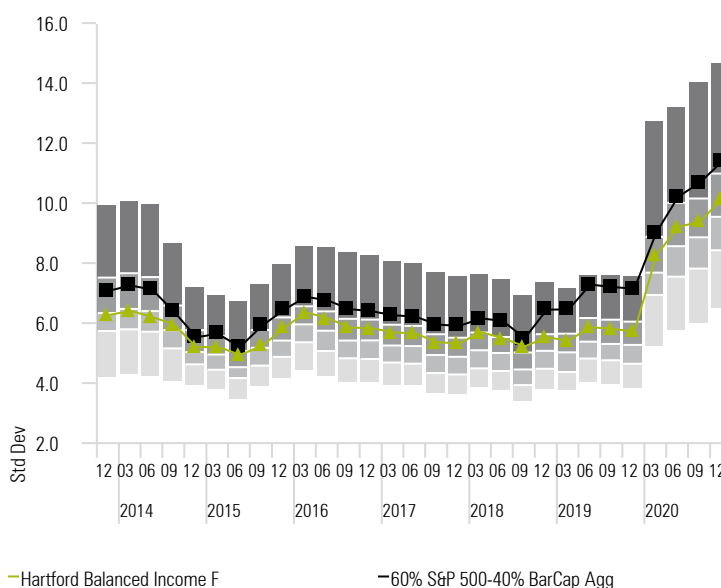
Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford Balanced Income F	9.0	13.6	12.3	7.9	0.0	11.6	11.8	-4.8	58	19.4
60% S&P 500-40% BarCap Agg	4.7	11.3	17.6	10.6	1.3	8.3	14.2	-2.3	22.2	14.7

Portfolio Statistics

	Fund	Index
# of Holdings	87	1,582
% Asset in Top 10 Holdings	28.2	17.2
Turnover Ratio %	9.0	
P/E Ratio	28.6	25.2
P/B Ratio	3.6	2.8
LT Earn Growth	8.5	10.1
Hist Earn Growth	1.1	4.1

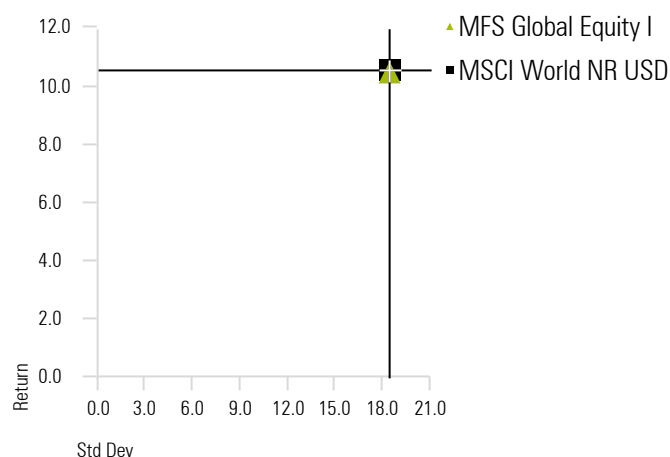
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	45.4	48.0
Market Cap Large %	42.6	36.0
Market Cap Mid %	12.0	16.0
Market Cap Small %	0.0	0.0
Market Cap Micro %	0.0	0.0
Average Market Cap (mil)	78,362.2	99,828.4

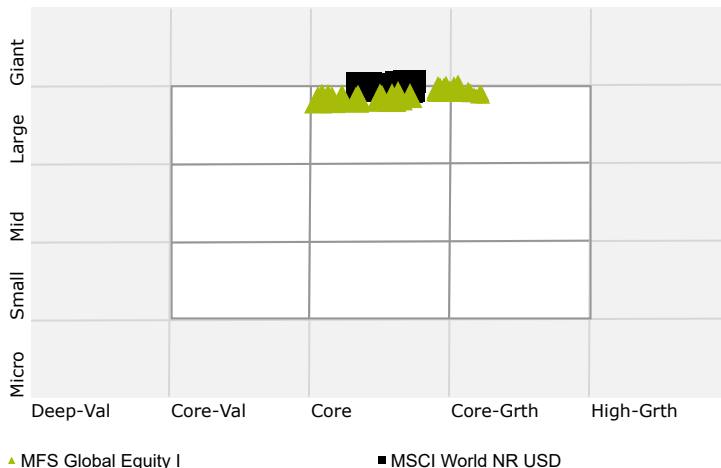
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



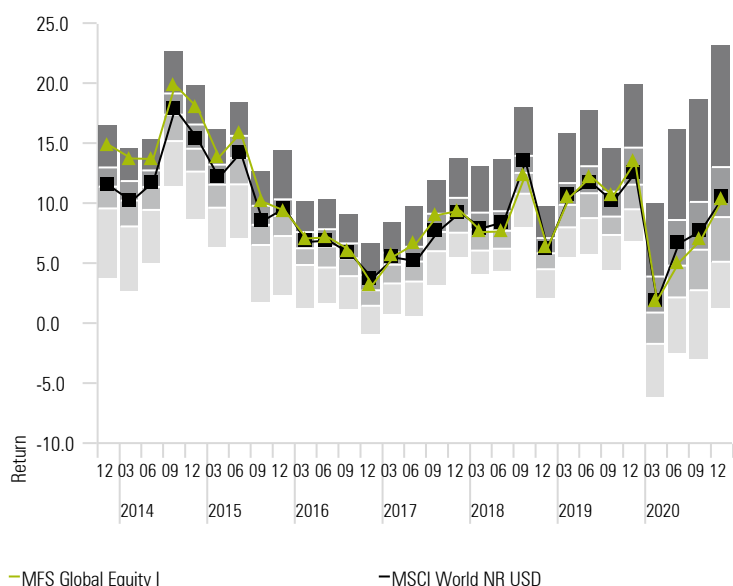
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



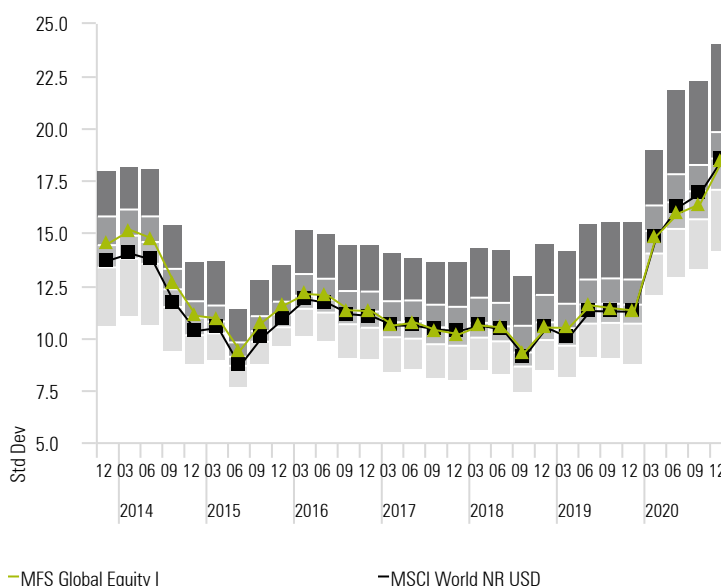
Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank										
MFS Global Equity I	-4.1	25	23.7	4	27.8	34	4.0	33	-1.4	49	7.4	28	23.9	43	-9.6	51	30.5	18	14.2	52
MSCI World NR USD	-5.5		15.8		26.7		4.9		-0.9		7.5		22.4		-8.7		27.7		15.9	

Portfolio Statistics

	Fund	Index
# of Holdings	309	
% Asset in Top 10 Holdings	9.1	
Turnover Ratio %	59.0	
P/E Ratio		
P/B Ratio	4.6	
LT Earn Growth	82.8	
Hist Earn Growth	-2.7	

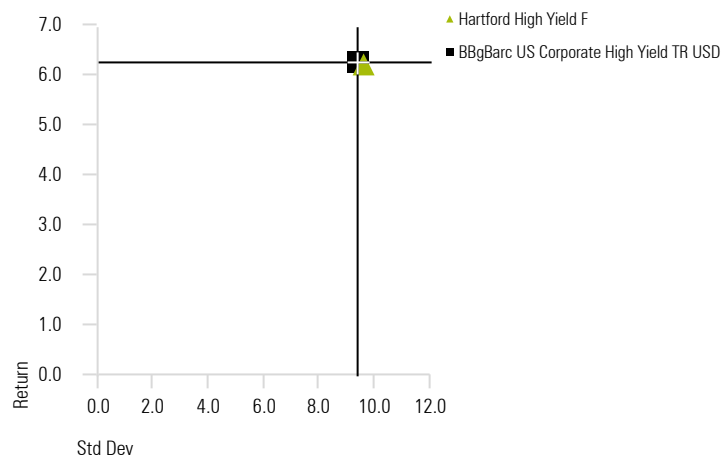
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	0.0	
Market Cap Large %	0.0	
Market Cap Mid %	100.0	
Market Cap Small %	0.0	
Market Cap Micro %	0.0	
Average Market Cap (mil)	15,468.7	

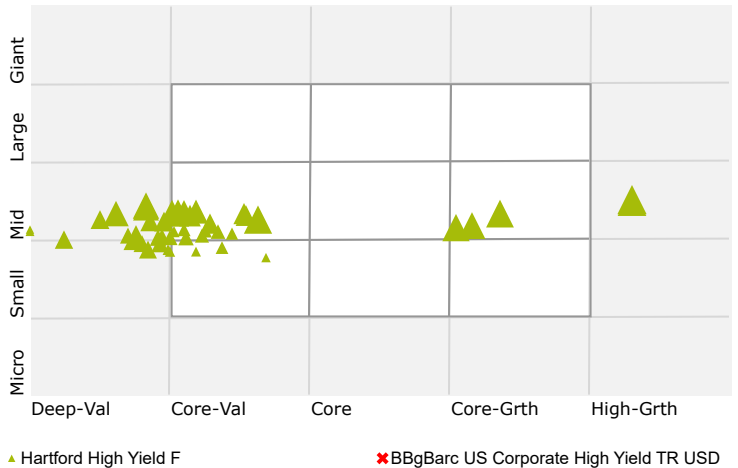
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



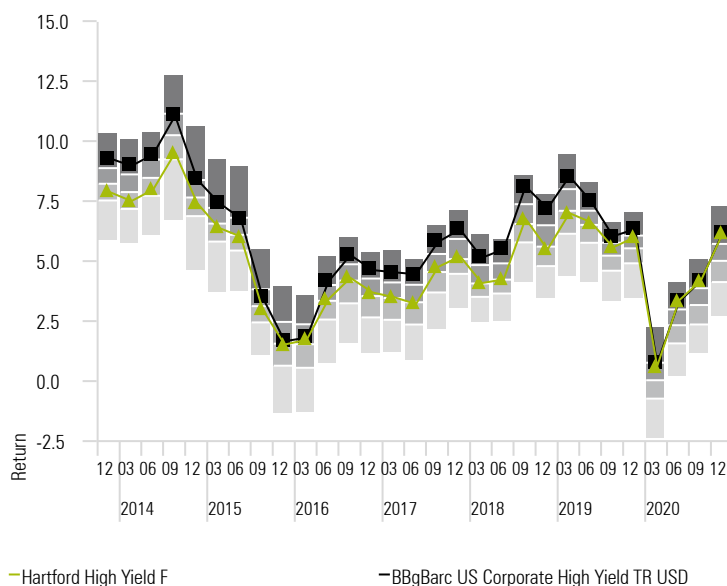
Holdings Based Style Trail (5 Years)

Time Period: 8/31/2016 to 12/31/2020



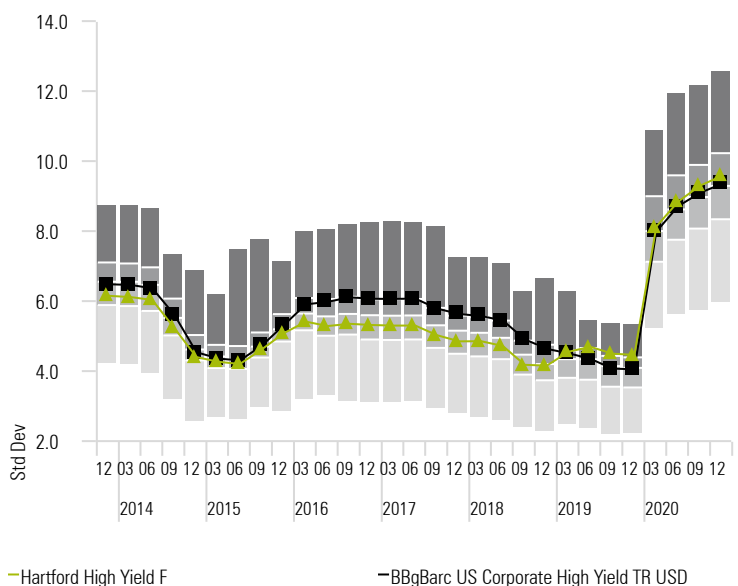
Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



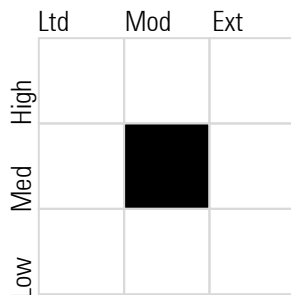
Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Hartford High Yield F	3.9	13.7	6.4	2.6	-4.0	13.4	7.1	-3.2	67	15.0
BBgBarc US Corporate High Yield TR USD	5.0	15.8	7.4	2.5	-4.5	17.1	7.5	-2.1	14.3	7.1

Fixed Income Statistics

Portfolio Date: 1/31/2021

Morningstar Fixed Income Style Box™

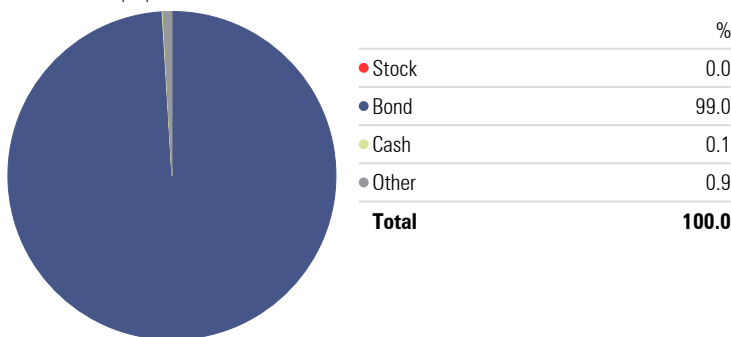


Fixed-Income Stats

Average Eff Duration	6.7
Average Eff Maturity	8.5
Average Coupon	2.7
Average Price	109.5

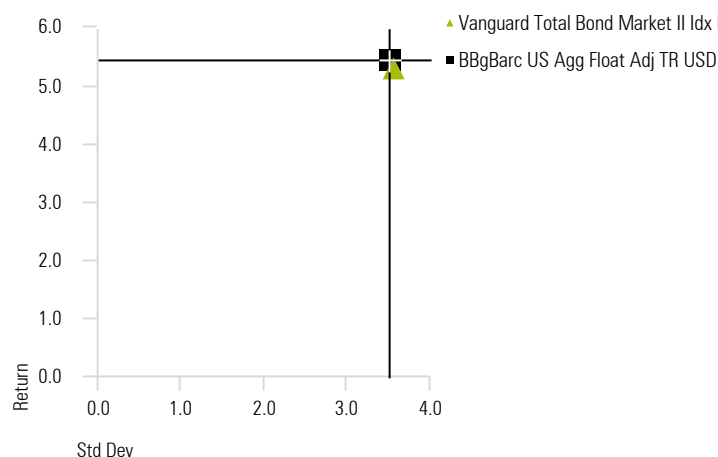
Asset Allocation

Portfolio Date: 1/31/2021



Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



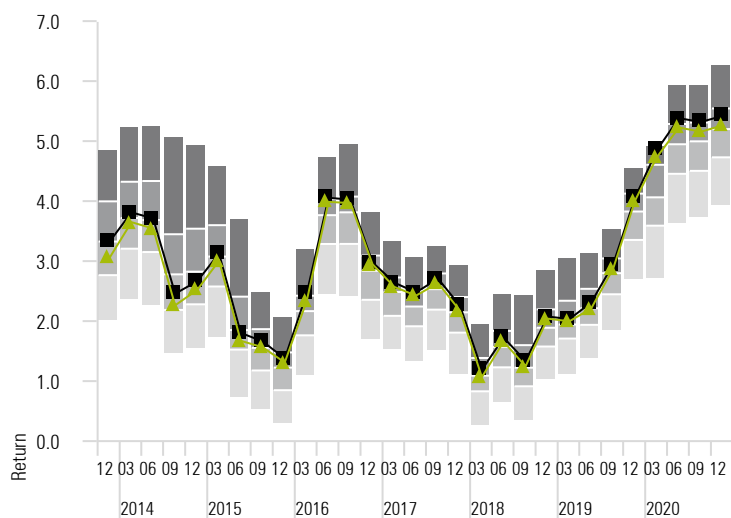
Credit Quality Breakdown

Portfolio Date: 9/30/2020

AAA %	63.2
AA %	3.68
A %	12.76
BBB %	20.41
BB %	0.00
B %	0.00
Below B %	0.00
Not Rated %	0.00
Yield to Maturity	1.15

Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

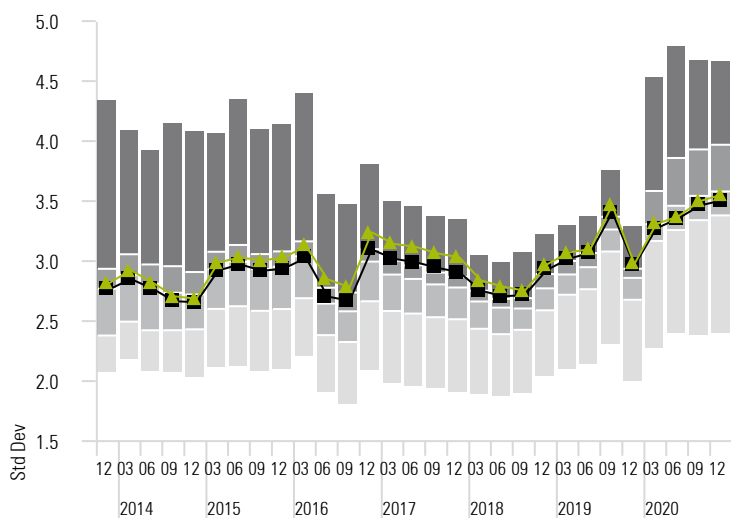


—Vanguard Total Bond Market II Idx I

—BbgBarc US Agg Float Adj TR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



—Vanguard Total Bond Market II Idx I

—BbgBarc US Agg Float Adj TR USD

Calendar Year Returns

	2010 Rank		2012 Rank		2013 Rank		2014 Rank		2015 Rank		2016 Rank		2017 Rank		2018 Rank		2019 Rank		2020 Rank	
Vanguard Total Bond Market II Idx I	7.7	12	4.0	84	-2.2	69	6.0	26	0.3	30	2.6	62	3.6	54	0.0	31	8.7	35	7.4	61
BBqBarc US Agg Float Adj TR USD	7.9		4.3		-2.0		5.9		0.4		2.8		3.6		-0.1		8.9		7.7	

Portfolio Statistics

	Fund	Index
# of Holdings	3,639	3,615
% Asset in Top 10 Holdings	22.8	22.6
Turnover Ratio %	4.0	
P/E Ratio	27.1	27.1
P/B Ratio	3.8	3.8
LT Earn Growth	11.0	11.0
Hist Earn Growth	10.1	10.1

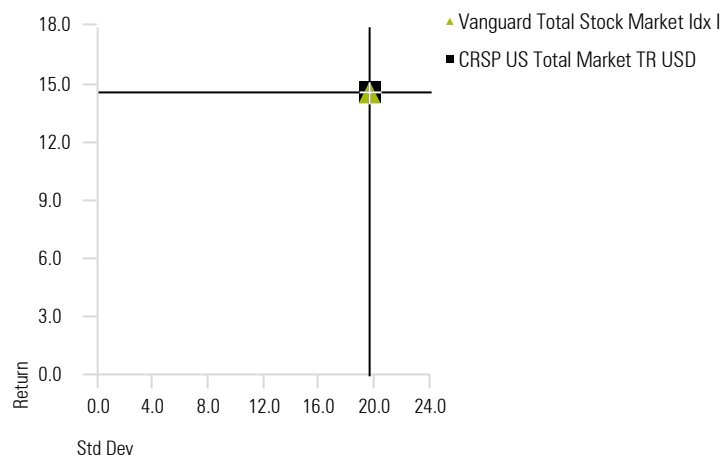
Market Capitalization Breakdown

Portfolio Date: 1/31/2021

	Fund	Index
Market Cap Giant %	41.2	41.2
Market Cap Large %	30.6	30.6
Market Cap Mid %	19.5	19.5
Market Cap Small %	6.5	6.5
Market Cap Micro %	2.2	2.2
Average Market Cap (mil)	98,726.1	98,753.5

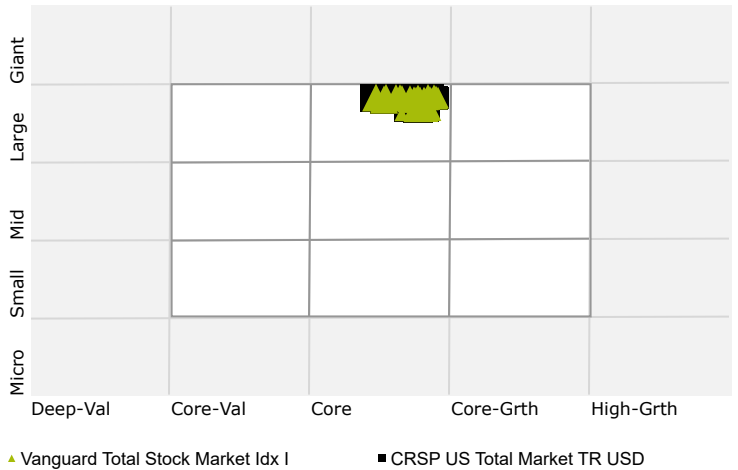
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



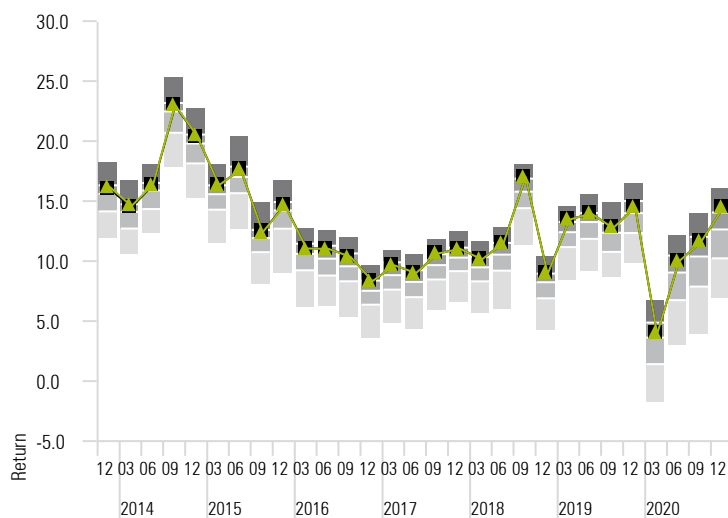
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

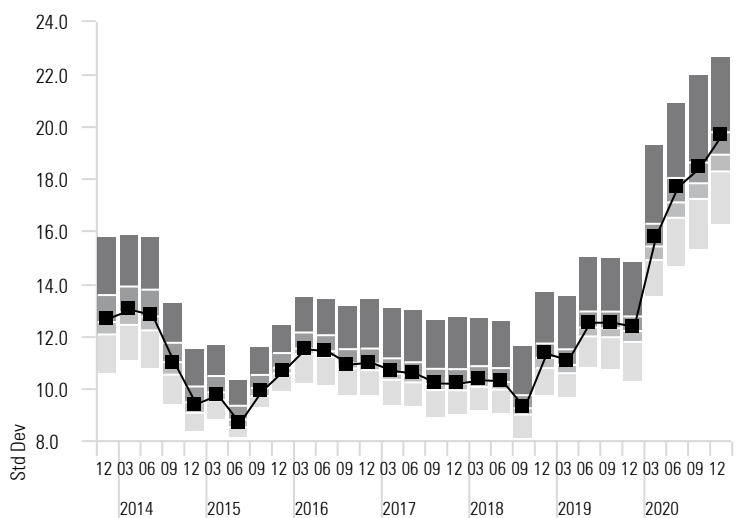


Vanguard Total Stock Market Idx I

CRSP US Total Market TR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Vanguard Total Stock Market Idx I

CRSP US Total Market TR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
Vanguard Total Stock Market Idx I	1.1	31	16.4	27	33.5	31	12.6	36	0.4	37
CRSP US Total Market TR USD	0.7	16.2	33.6	12.6	0.4	12.7	21.2	-5.2	30.8	21.0

Portfolio Statistics

	Fund	Index
# of Holdings	7,322	7,199
% Asset in Top 10 Holdings	10.8	10.7
Turnover Ratio %	7.0	
P/E Ratio	19.9	20.0
P/B Ratio	1.7	1.7
LT Earn Growth	9.7	9.7
Hist Earn Growth	-1.6	-1.6

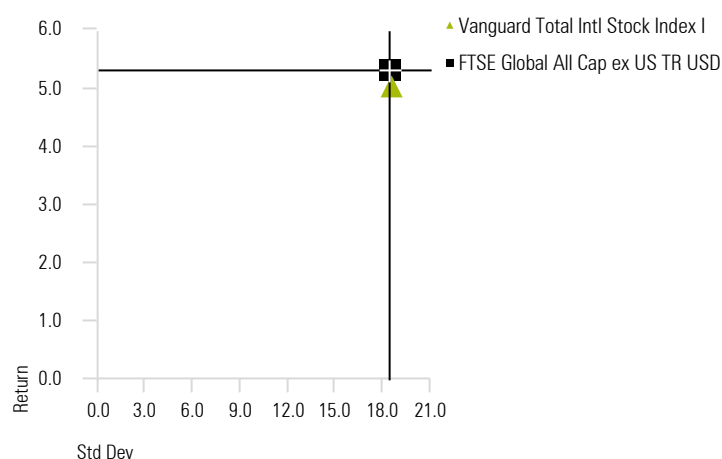
Market Capitalization Breakdown

Portfolio Date: 1/31/2021

	Fund	Index
Market Cap Giant %	44.7	45.0
Market Cap Large %	32.2	32.1
Market Cap Mid %	19.1	18.9
Market Cap Small %	3.7	3.8
Market Cap Micro %	0.2	0.3
Average Market Cap (mil)	29,811.8	29,898.5

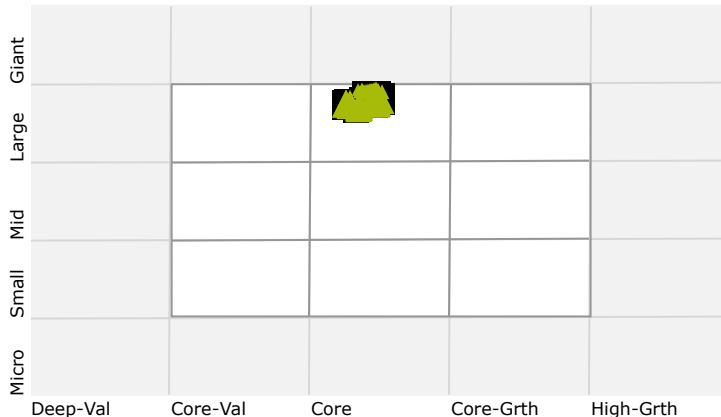
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



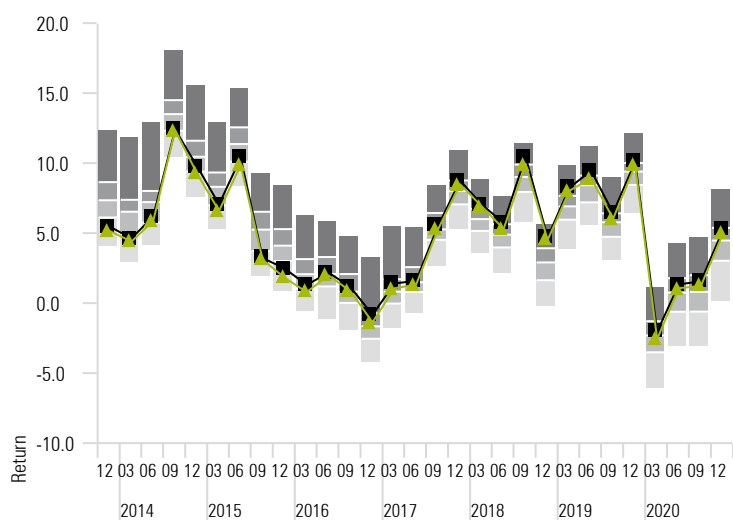
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

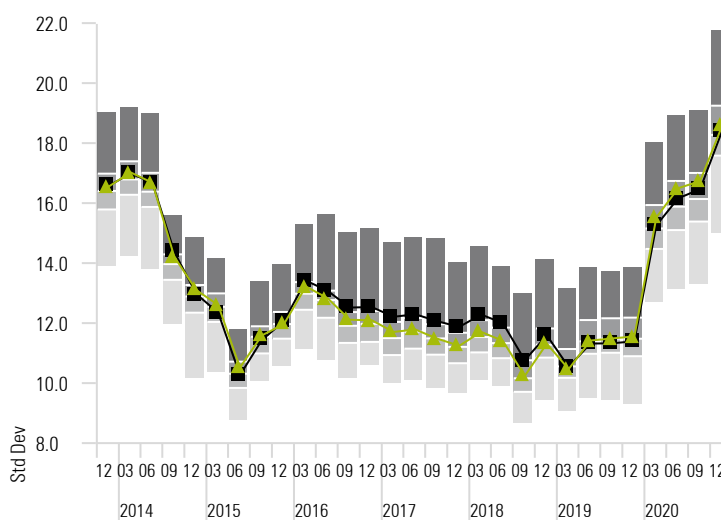


Vanguard Total Intl Stock Index I

FTSE Global All Cap ex US TR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



Vanguard Total Intl Stock Index I

FTSE Global All Cap ex US TR USD

Calendar Year Returns

	2010	Rank	2012	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank
Vanguard Total Intl Stock Index I	-14.5	60	18.3	48	15.2	83	-4.2	33	-4.2	79	4.7	12	27.6	23	-14.4	50	21.6	51	11.3	30
FTSE Global All Cap ex US TR USD	-14.0		17.9		15.9		-3.1		-4.0		5.0		27.8		-14.4		22.2		11.5	

Asset Allocation

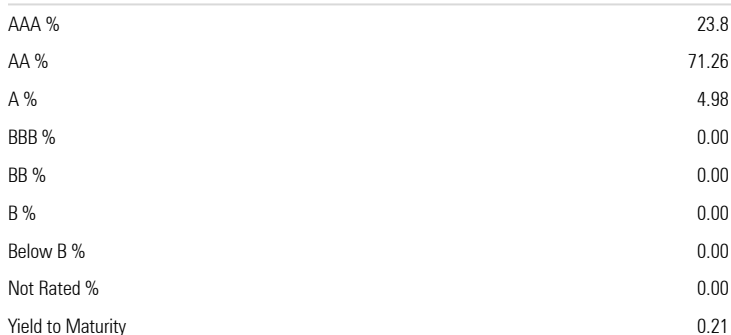
Portfolio Date: 12/31/2020

Fixed-Income Stats



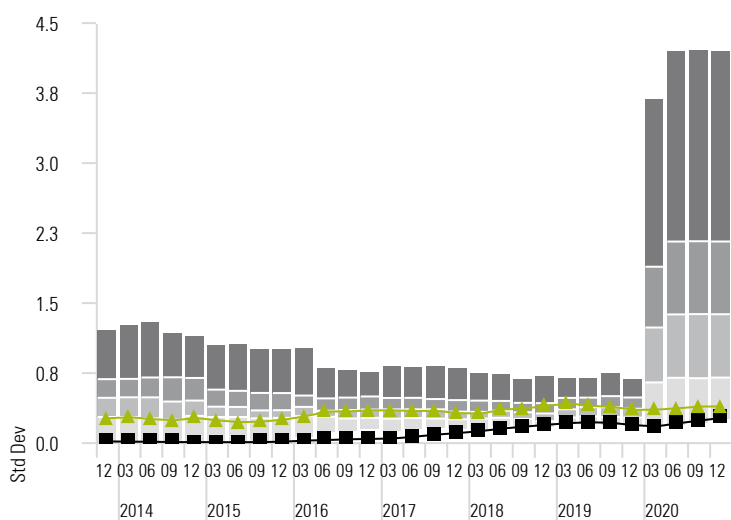
Credit Quality Breakdown

Portfolio Date: 9/30/2020



Rolling Risk (3 Years)

■ Top Quartile ■ 2nd Quartile ■ 3rd Quartile ■ Bottom Quartile



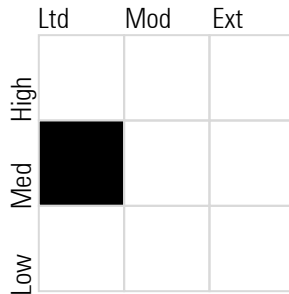
-ICE BofA US 3M Trsv Bill TR USD

	2010 Rank		2012 Rank		2013 Rank		2014 Rank		2015 Rank		2016 Rank		2017 Rank		2018 Rank		2019 Rank		2020 Rank	
DFA One-Year Fixed-Income I	0.6	27	0.9	72	0.3	59	0.3	63	0.3	39	0.8	78	0.9	81	1.9	28	2.4	82	0.6	85
ICE BofA US 3M Trsy Bill TR USD	0.1		0.1		0.1		0.0		0.1		0.3		0.9		1.9		2.3		0.7	

Fixed Income Statistics

Portfolio Date: 12/31/2020

Morningstar Fixed Income Style Box™

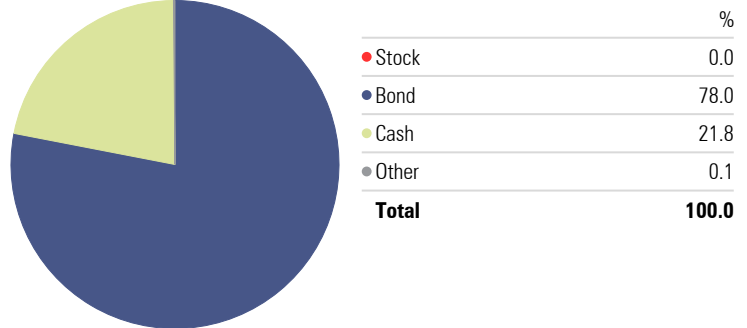


Fixed-Income Stats

Average Eff Duration	1.3
Average Eff Maturity	1.4
Average Coupon	1.5
Average Price	102.3

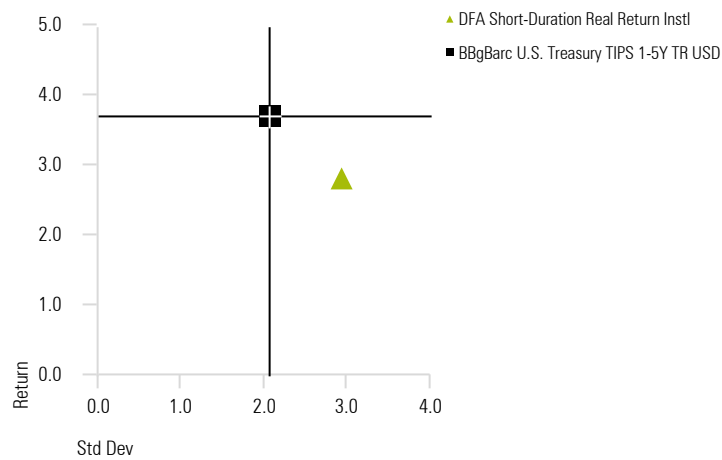
Asset Allocation

Portfolio Date: 12/31/2020



Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



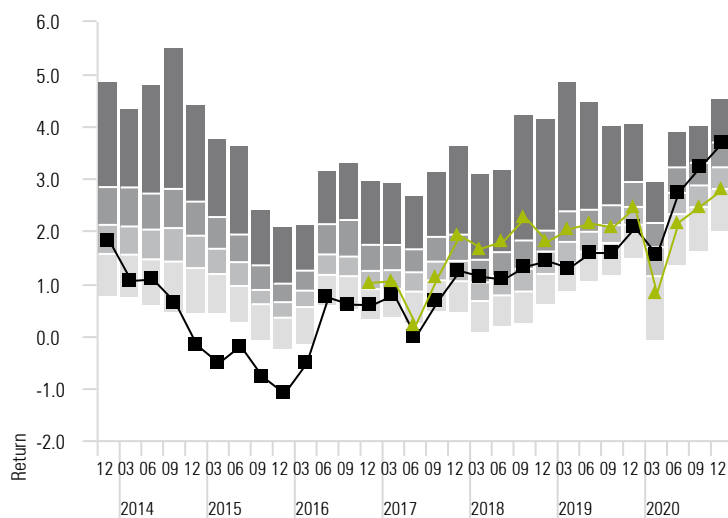
Credit Quality Breakdown

Portfolio Date: 9/30/2020

AAA %	17.2
AA %	25.74
A %	20.54
BBB %	36.48
BB %	0.00
B %	0.00
Below B %	0.00
Not Rated %	0.00
Yield to Maturity	-1.12

Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

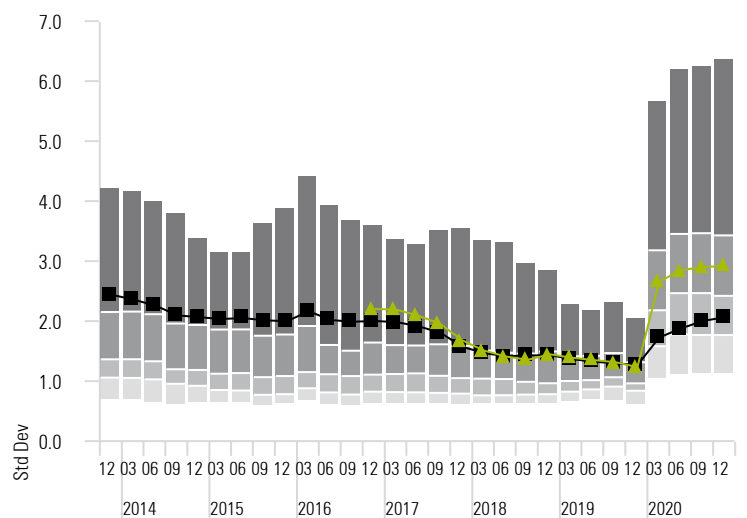


DFA Short-Duration Real Return Instl

BBgBarc U.S. Treasury TIPS 1-5Y TR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



DFA Short-Duration Real Return Instl

BBgBarc U.S. Treasury TIPS 1-5Y TR USD

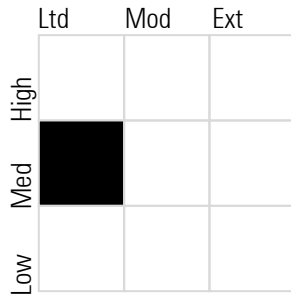
Calendar Year Returns

	2010	Rank	2012	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank
DFA Short-Duration Real Return Instl							-1.0	100	0.5	37	3.6	11	1.7	44	0.1	88	5.6	22	2.8	83
BBgBarc U.S. Treasury TIPS 1-5Y TR USD	4.9		2.7		-2.0		-1.1		-0.1		3.1		0.8		0.4		5.1		5.7	

Fixed Income Statistics

Portfolio Date: 12/31/2020

Morningstar Fixed Income Style Box™

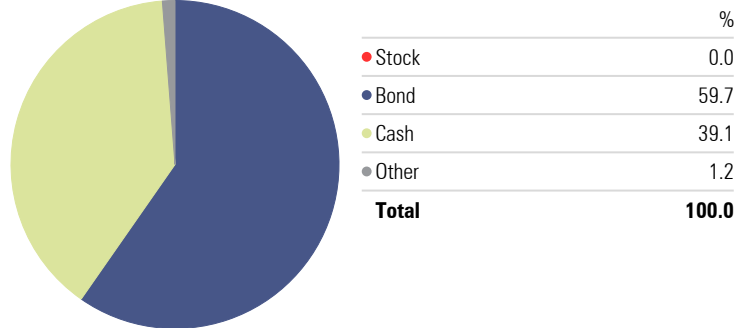


Fixed-Income Stats

Average Eff Duration	1.3
Average Eff Maturity	1.4
Average Coupon	1.9
Average Price	108.6

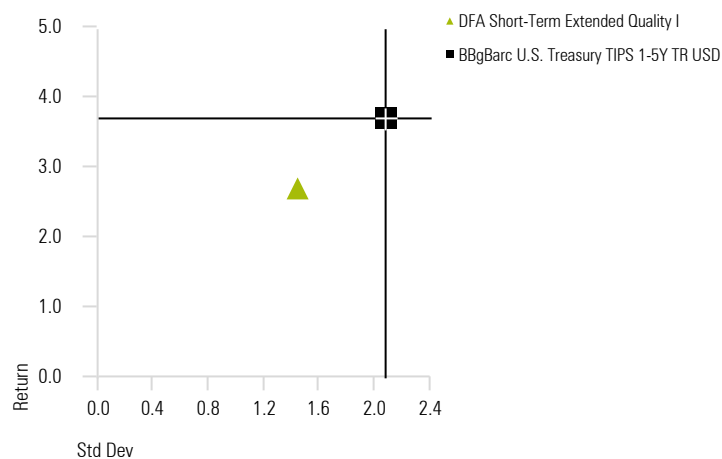
Asset Allocation

Portfolio Date: 12/31/2020



Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



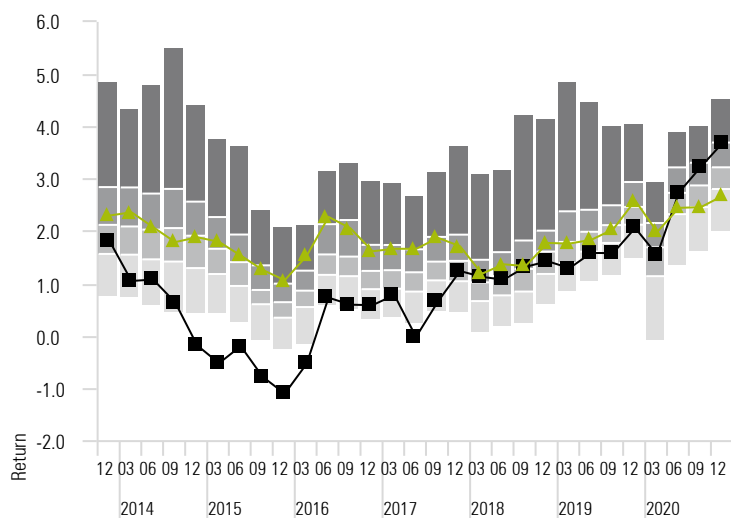
Credit Quality Breakdown

Portfolio Date: 9/30/2020

AAA %	22.8
AA %	19.83
A %	23.72
BBB %	33.40
BB %	0.23
B %	0.00
Below B %	0.00
Not Rated %	0.00
Yield to Maturity	0.85

Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

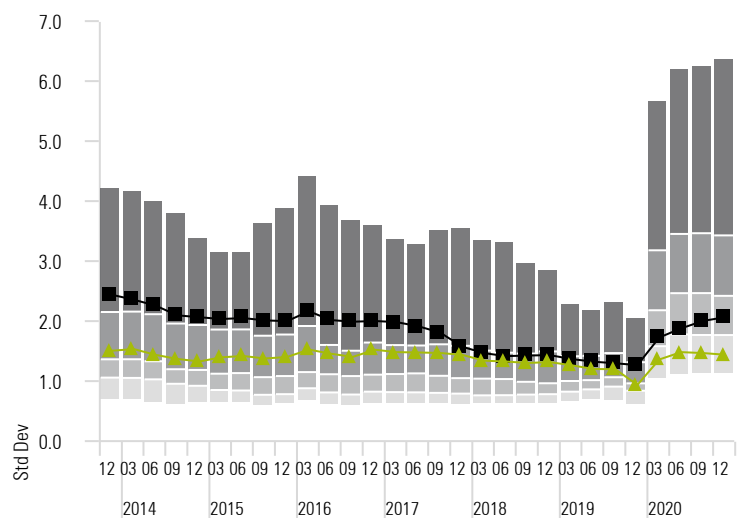


— DFA Short-Term Extended Quality I

— BBgBarc U.S. Treasury TIPS 1-5Y TR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



— DFA Short-Term Extended Quality I

— BBgBarc U.S. Treasury TIPS 1-5Y TR USD

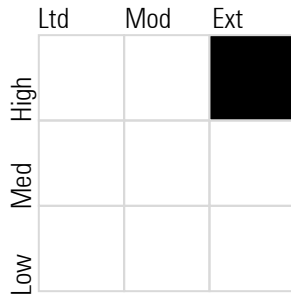
Calendar Year Returns

	2010	Rank	2012	Rank	2013	Rank	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank
DFA Short-Term Extended Quality I	2.9	14	3.6	49	0.4	49	1.7	19	1.2	4	2.1	39	2.0	32	1.3	30	4.5	52	2.2	89
BBgBarc U.S. Treasury TIPS 1-5Y TR USD	4.9		2.7		-2.0		-1.1		-0.1		3.1		0.8		0.4		5.1		5.7	

Fixed Income Statistics

Portfolio Date: 12/31/2020

Morningstar Fixed Income Style Box™

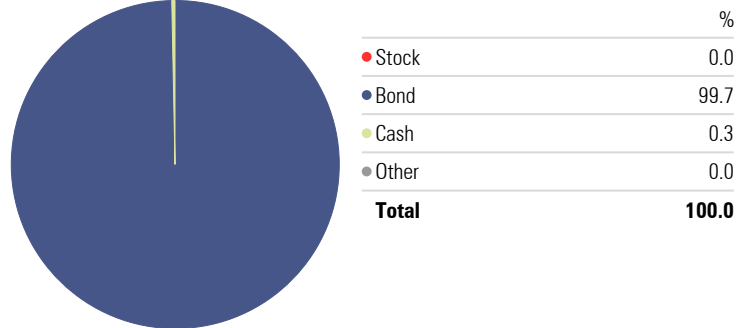


Fixed-Income Stats

Average Eff Duration	7.7
Average Eff Maturity	8.2
Average Coupon	1.7
Average Price	126.4

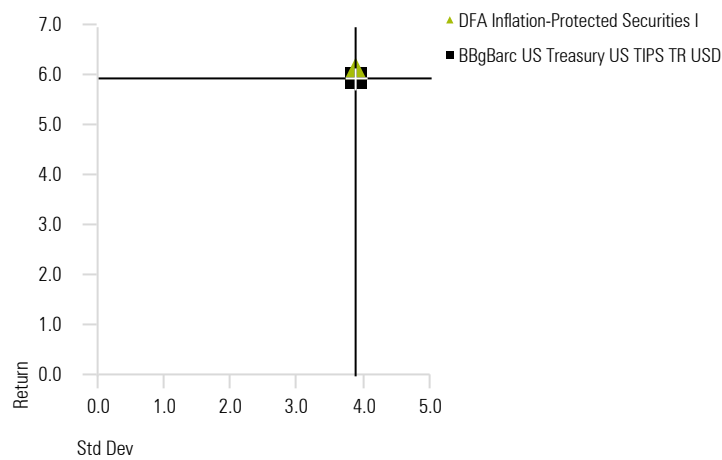
Asset Allocation

Portfolio Date: 12/31/2020



Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



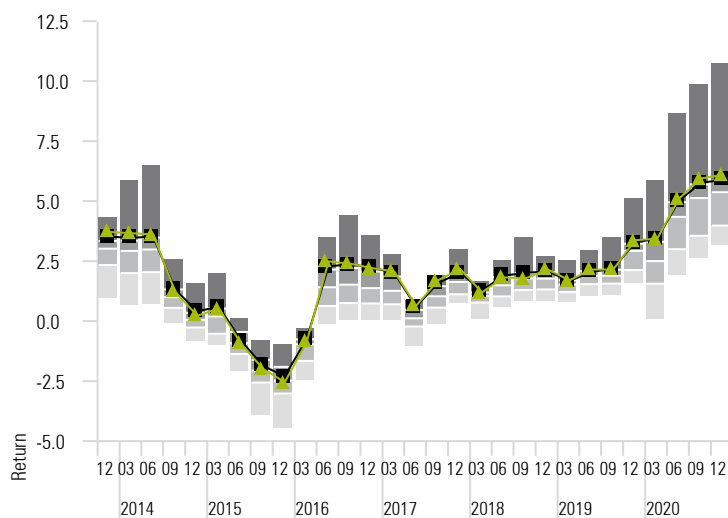
Credit Quality Breakdown

Portfolio Date: 9/30/2020

AAA %	100.0
AA %	0.00
A %	0.00
BBB %	0.00
BB %	0.00
B %	0.00
Below B %	0.00
Not Rated %	0.00
Yield to Maturity	-0.98

Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

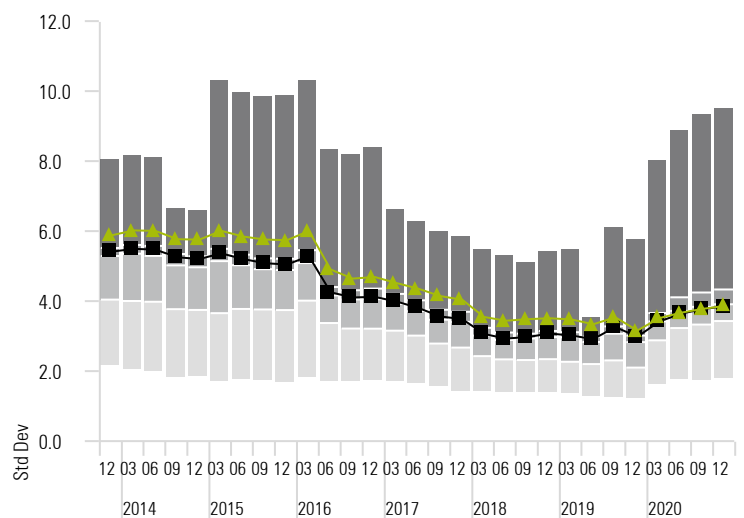


DFA Inflation-Protected Securities I

BBgBarc US Treasury US TIPS TR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



DFA Inflation-Protected Securities I

BBgBarc US Treasury US TIPS TR USD

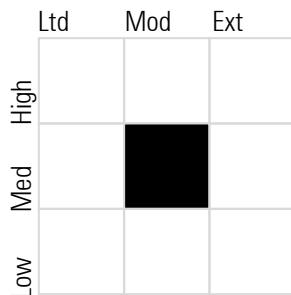
Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank										
DFA Inflation-Protected Securities I	14.5	3	7.5	19	-9.3	73	3.4	13	-1.2	19	4.7	38	3.3	24	-1.3	37	8.5	25	11.7	17
BBqBarc US Treasury US TIPS TR USD	13.6		7.0		-8.6		3.6		-1.4		4.7		3.0		-1.3		8.4		11.0	

Fixed Income Statistics

Portfolio Date: 12/31/2020

Morningstar Fixed Income Style Box™

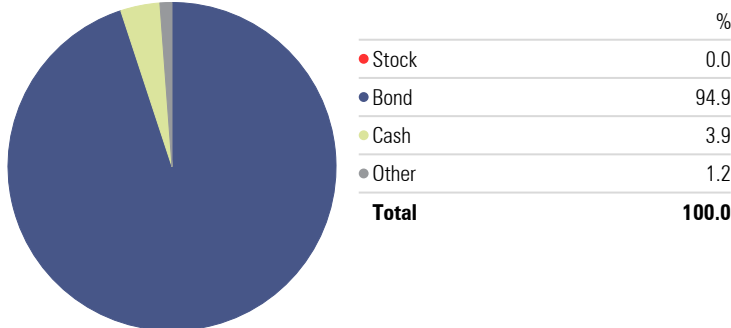


Fixed-Income Stats

Average Eff Duration	6.1
Average Eff Maturity	6.9
Average Coupon	3.4
Average Price	116.6

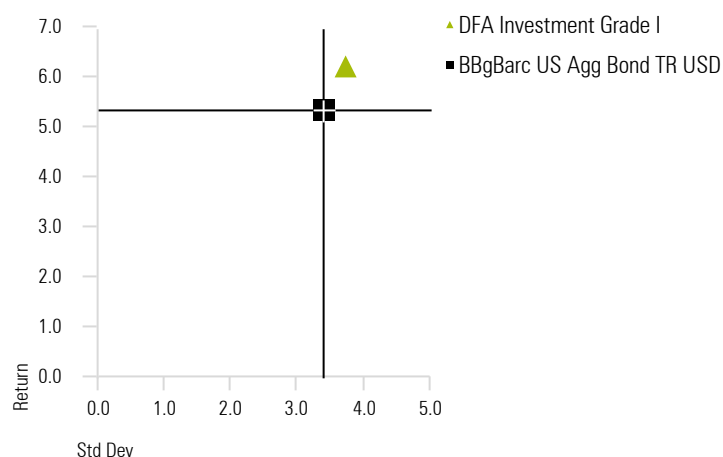
Asset Allocation

Portfolio Date: 12/31/2020



Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



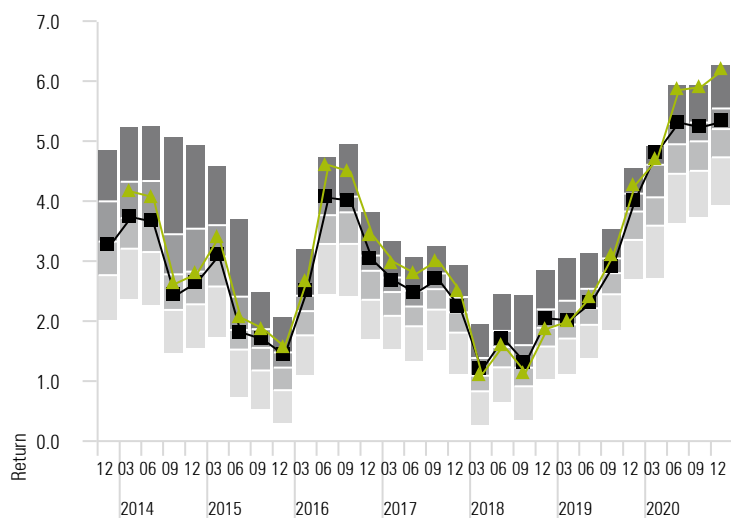
Credit Quality Breakdown

Portfolio Date: 9/30/2020

AAA %	41.3
AA %	7.95
A %	20.70
BBB %	29.91
BB %	0.16
B %	0.00
Below B %	0.00
Not Rated %	0.00
Yield to Maturity	1.19

Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

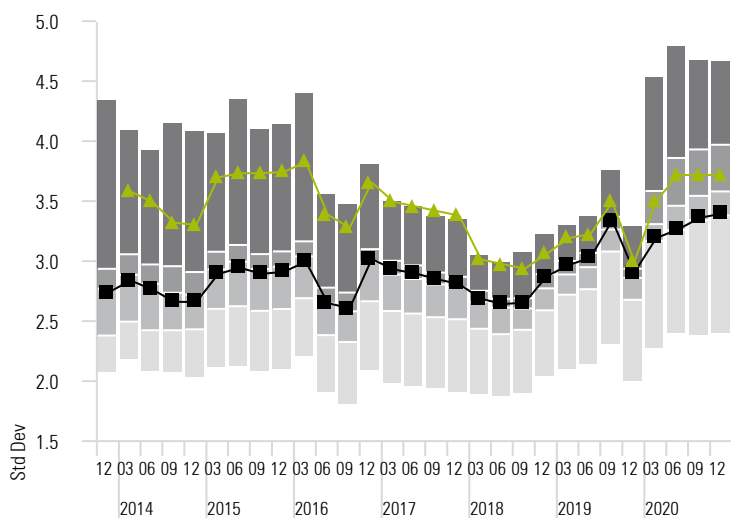


—DFA Investment Grade I

—BbgBarc US Agg Bond TR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



—DFA Investment Grade I

—BbgBarc US Agg Bond TR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank									
DFA Investment Grade I		5.3	71	-2.9	87	6.2	19	1.6	5	2.6	64	3.4	62	-0.2	38	10.0	3	9.2	13
BBqBarc US Agg Bond TR USD	7.8	4.2	-2.0	6.0	0.5	2.6	3.5	0.0	8.7	7.5									

DFA Five-Year Global Fixed-Income I

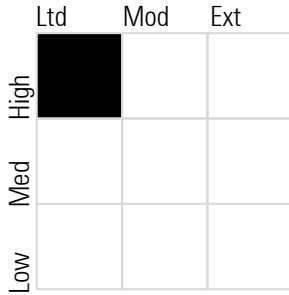
FTSE WGBI USD

US Fund World Bond-USD Hedged

Fixed Income Statistics

Portfolio Date: 12/31/2020

Morningstar Fixed Income Style Box™

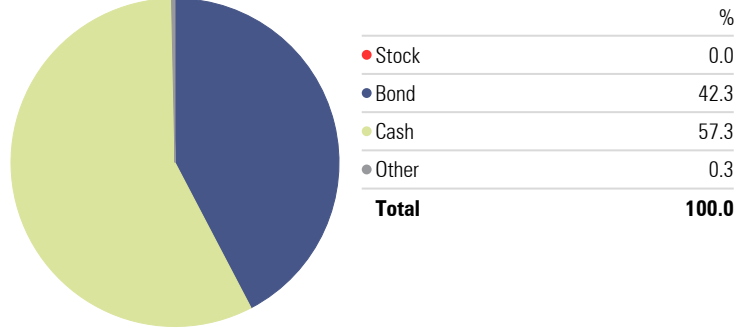


Fixed-Income Stats

Average Eff Duration	1.0
Average Eff Maturity	0.9
Average Coupon	0.9
Average Price	111.7

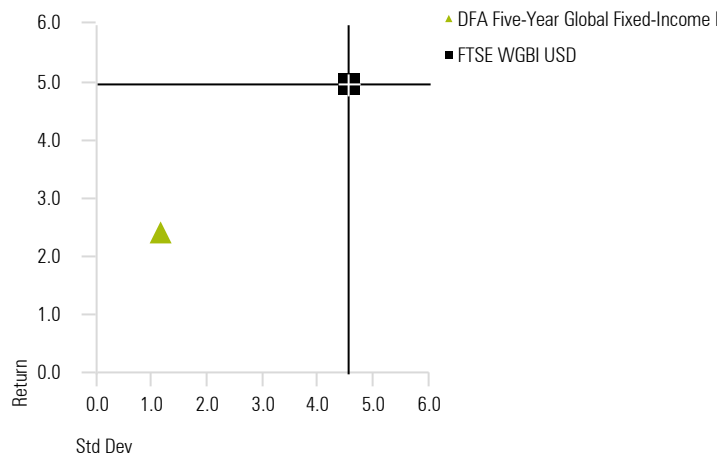
Asset Allocation

Portfolio Date: 12/31/2020



Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



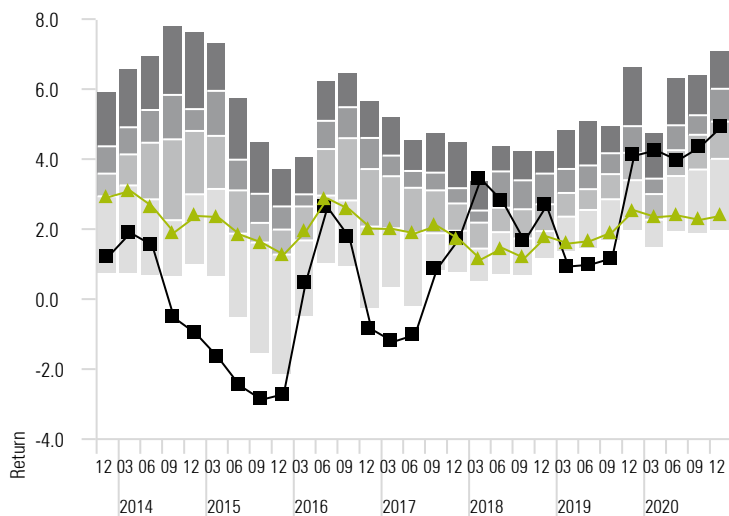
Credit Quality Breakdown

Portfolio Date: 9/30/2020

AAA %	36.2
AA %	50.59
A %	13.23
BBB %	0.00
BB %	0.00
B %	0.00
Below B %	0.00
Not Rated %	0.00
Yield to Maturity	0.45

Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

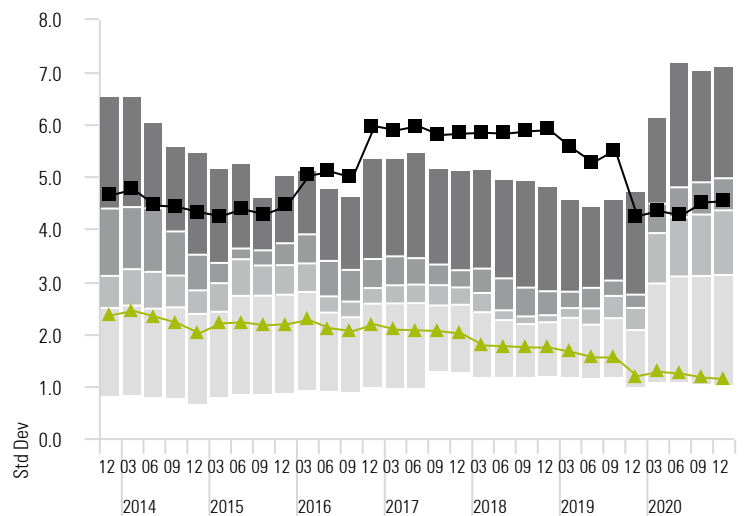


— DFA Five-Year Global Fixed-Income I

— FTSE WGBI USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



— DFA Five-Year Global Fixed-Income I

— FTSE WGBI USD

Calendar Year Returns

	2010 Rank		2012 Rank		2013 Rank		2014 Rank		2015 Rank		2016 Rank		2017 Rank		2018 Rank		2019 Rank		2020 Rank	
DFA Five-Year Global Fixed-Income I	4.5	30	4.8	87	-0.4	45	2.9	77	1.4	14	1.8	88	2.0	84	1.7	32	4.0	94	1.5	95
FTSE WGBI USD	6.4		1.6		-4.0		-0.5		-3.6		1.6		7.5		-0.8		5.9		10.1	

Portfolio Statistics

	Fund	Index
# of Holdings	2,614	3,047
% Asset in Top 10 Holdings	16.3	23.2
Turnover Ratio %	3.0	
P/E Ratio	24.0	27.1
P/B Ratio	3.1	3.8
LT Earn Growth	9.4	11.0
Hist Earn Growth	8.5	10.2

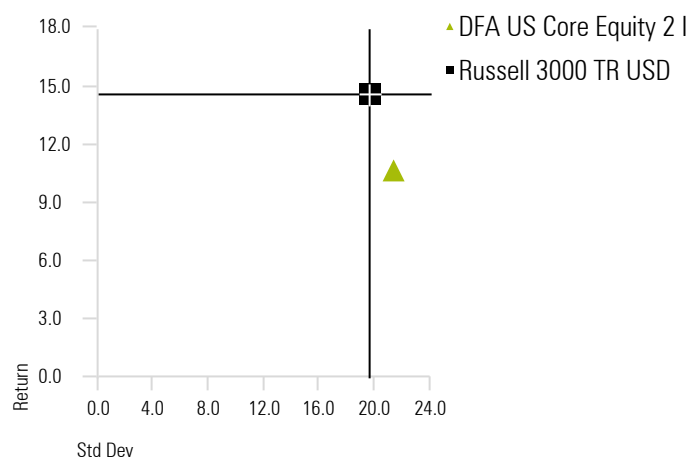
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	28.2	41.7
Market Cap Large %	22.0	30.2
Market Cap Mid %	27.5	19.6
Market Cap Small %	15.9	6.4
Market Cap Micro %	6.3	2.1
Average Market Cap (mil)	41,096.6	102,379.4

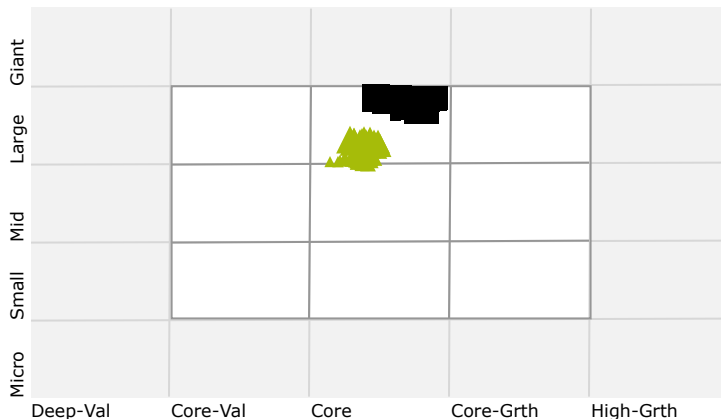
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



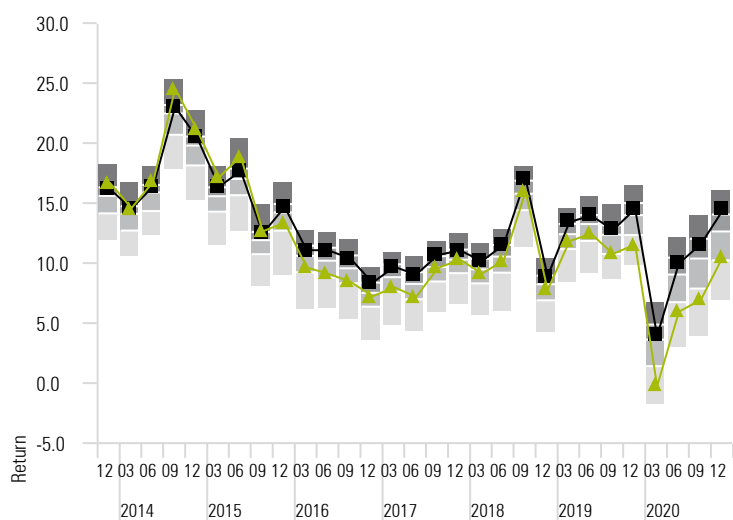
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

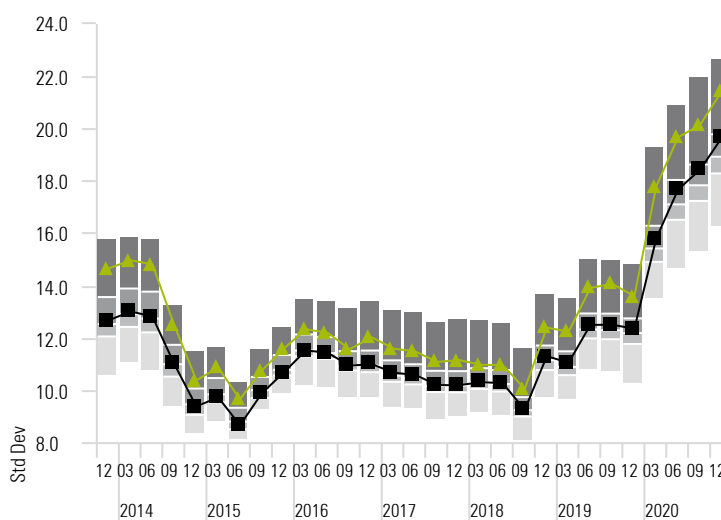


DFA US Core Equity 2 I

Russell 3000 TR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



DFA US Core Equity 2 I

Russell 3000 TR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank										
DFA US Core Equity 2 I	-2.1	34	18.1	29	37.8	21	9.3	37	-3.1	42	16.6	34	18.9	21	-9.6	36	29.4	56	15.7	56
Russell 3000 TR USD	1.0		16.4		33.6		12.6		0.5		12.7		21.1		-5.2		31.0		20.9	

Portfolio Statistics

	Fund	Index
# of Holdings	4,939	962
% Asset in Top 10 Holdings	6.0	10.9
Turnover Ratio %	4.0	
P/E Ratio	18.7	21.0
P/B Ratio	1.4	1.7
LT Earn Growth	9.2	8.8
Hist Earn Growth	-2.3	-1.9

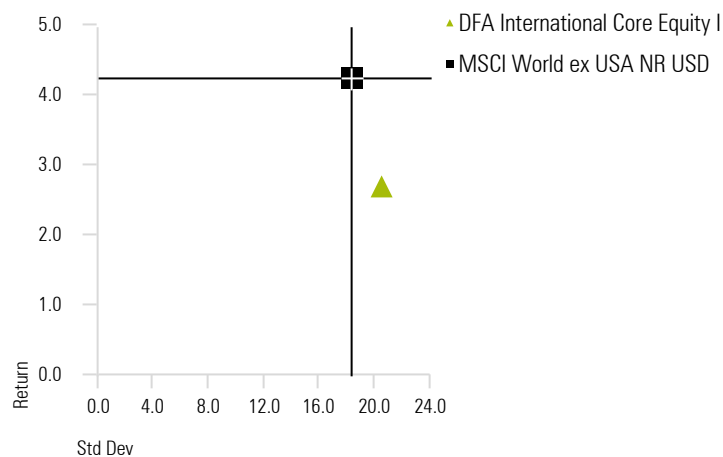
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	23.5	49.8
Market Cap Large %	26.6	39.3
Market Cap Mid %	35.8	10.9
Market Cap Small %	12.0	0.0
Market Cap Micro %	2.1	0.0
Average Market Cap (mil)	10,857.7	41,307.2

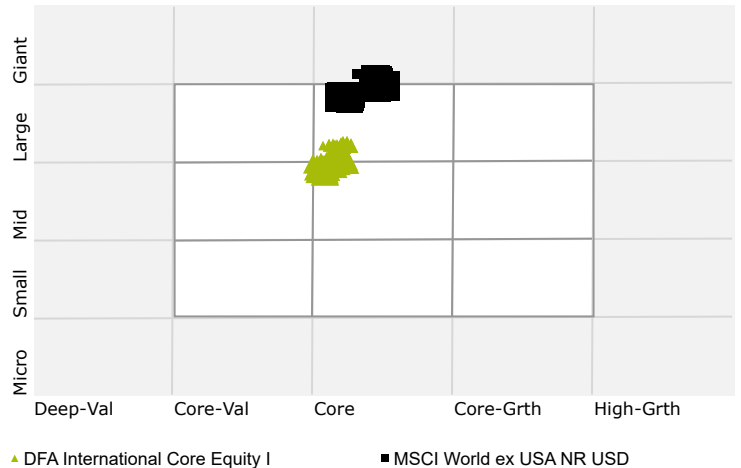
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



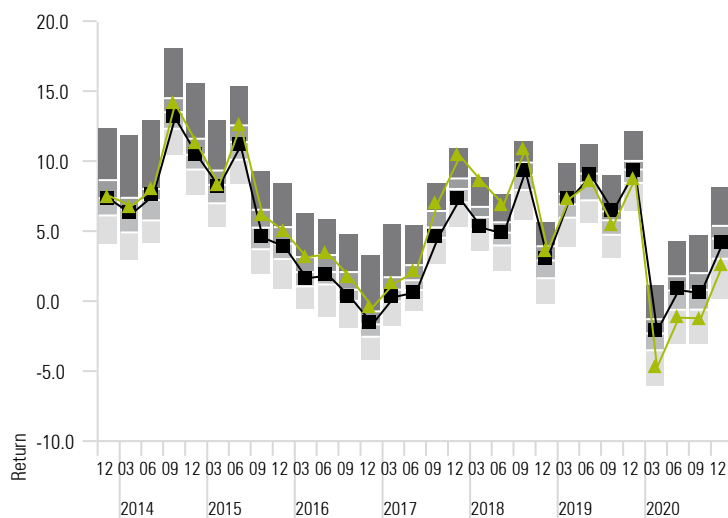
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

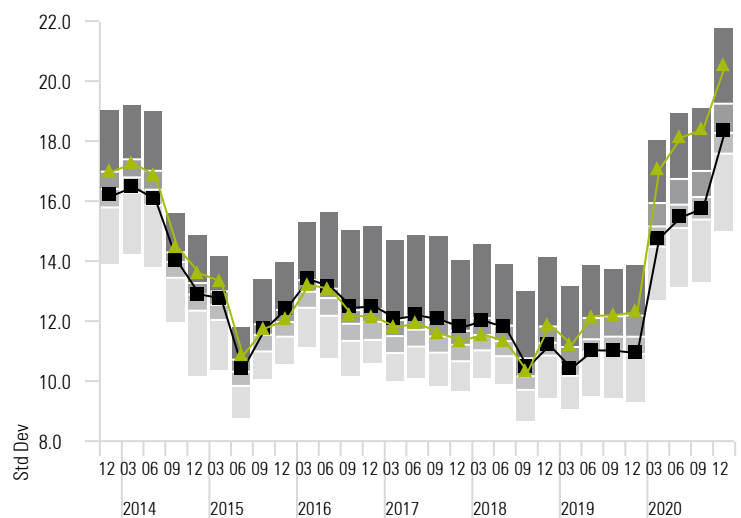


DFA International Core Equity I

MSCI World ex USA NR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



DFA International Core Equity I

MSCI World ex USA NR USD

Calendar Year Returns

	2010 Rank		2012 Rank		2013 Rank		2014 Rank		2015 Rank		2016 Rank		2017 Rank		2018 Rank		2019 Rank		2020 Rank	
DFA International Core Equity I	-15.1	76	18.7	26	23.4	29	-6.0	43	-0.2	32	5.3	26	28.1	19	-17.4	84	21.7	48	7.7	63
MSCI World ex USA NR USD	-12.2		16.4		21.0		-4.3		-3.0		2.7		24.2		-14.1		22.5		7.6	

Portfolio Statistics

	Fund	Index
# of Holdings	5,609	1,380
% Asset in Top 10 Holdings	20.3	30.1
Turnover Ratio %	15.0	
P/E Ratio	15.6	19.7
P/B Ratio	1.5	2.1
LT Earn Growth	10.8	10.6
Hist Earn Growth	-2.2	5.0

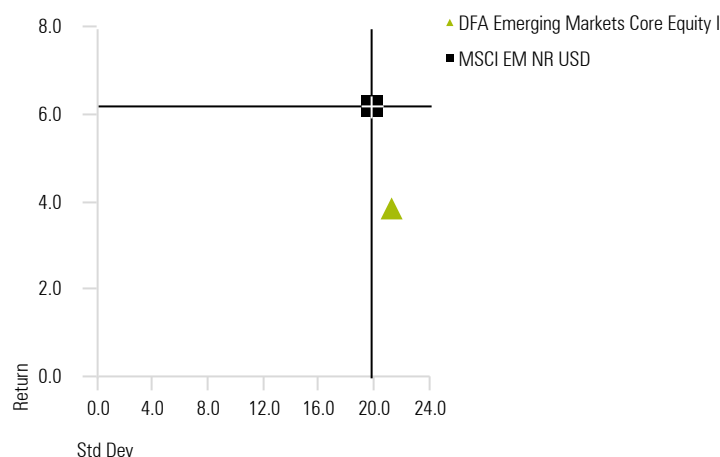
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	39.2	56.8
Market Cap Large %	25.3	31.2
Market Cap Mid %	23.6	11.7
Market Cap Small %	8.3	0.2
Market Cap Micro %	3.5	0.0
Average Market Cap (mil)	17,163.2	50,987.2

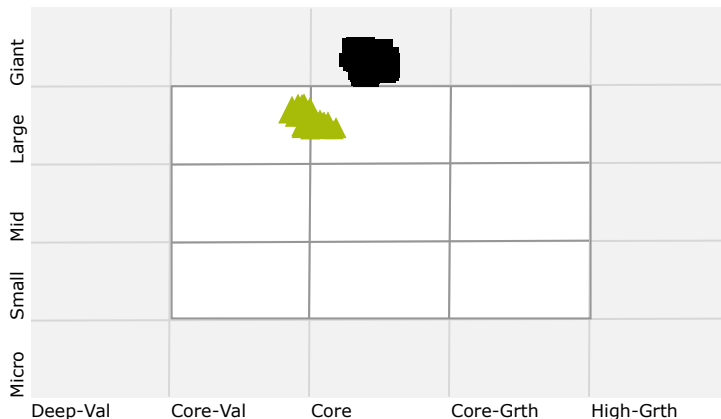
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



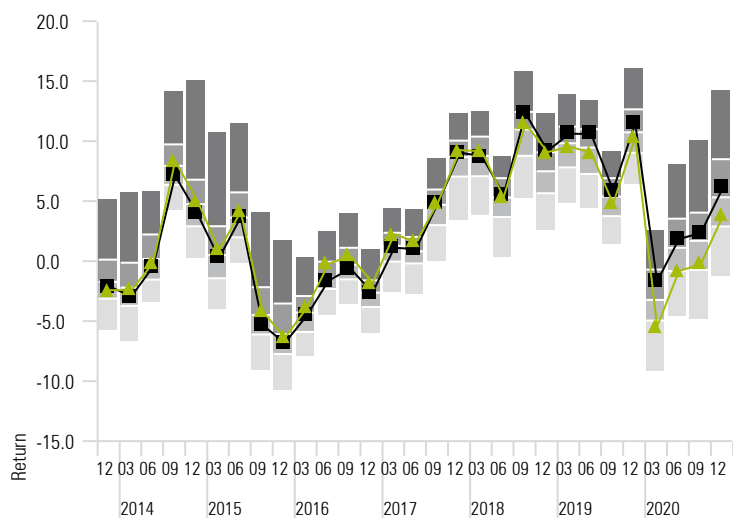
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

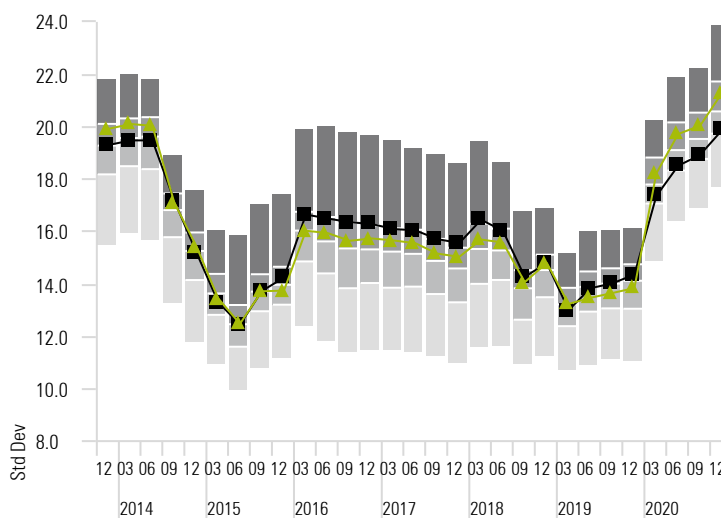


DFA Emerging Markets Core Equity I

MSCI EM NR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



DFA Emerging Markets Core Equity I

MSCI EM NR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank
DFA Emerging Markets Core Equity I	-20.6	56	20.5	26	-2.6	57	-0.9	29	-14.9	57
MSCI EM NR USD	-18.4	18.2	-2.6	-2.2	-14.9	11.2	37.3	-14.6	18.4	18.3

Portfolio Statistics

	Fund	Index
# of Holdings	161	428
% Asset in Top 10 Holdings	66.7	25.4
Turnover Ratio %	0.0	
P/E Ratio	26.5	25.8
P/B Ratio	1.6	1.6
LT Earn Growth	5.7	4.7
Hist Earn Growth	-5.8	-4.8

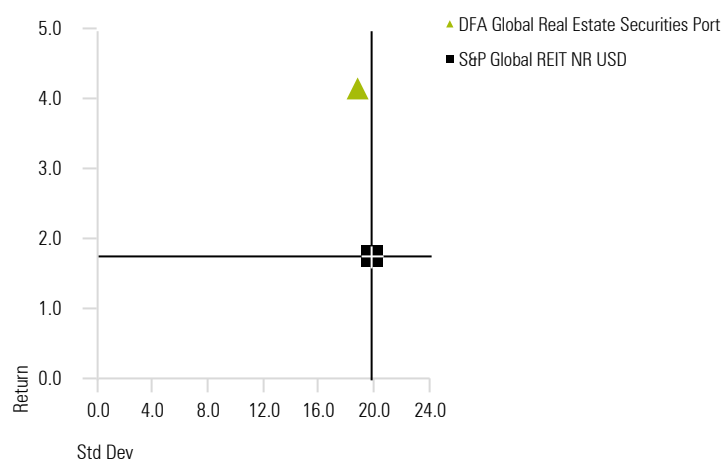
Market Capitalization Breakdown

Portfolio Date: 12/31/2020

	Fund	Index
Market Cap Giant %	0.0	0.0
Market Cap Large %	32.9	26.1
Market Cap Mid %	47.8	51.5
Market Cap Small %	15.7	18.2
Market Cap Micro %	3.6	4.2
Average Market Cap (mil)	10,877.7	9,007.5

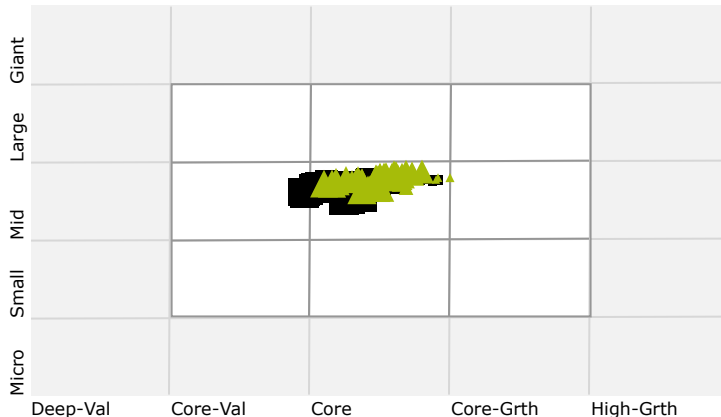
Risk & Return Illustration (3 Years)

Time Period: 1/1/2018 to 12/31/2020



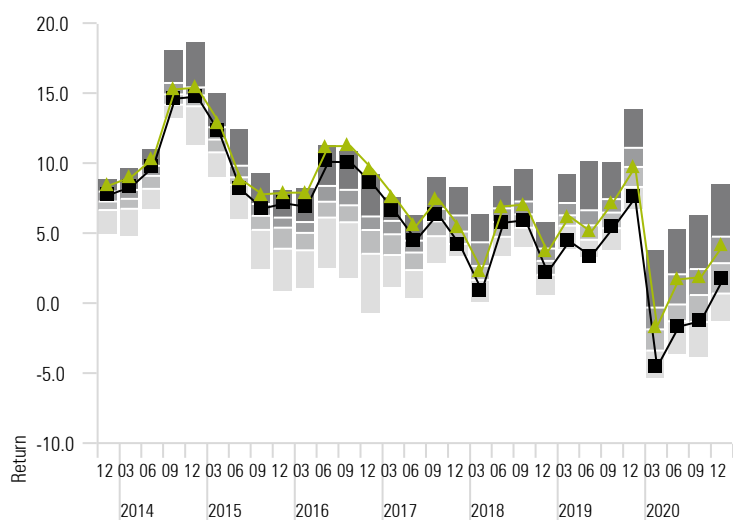
Holdings Based Style Trail (5 Years)

Time Period: 1/31/2016 to 12/31/2020



Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

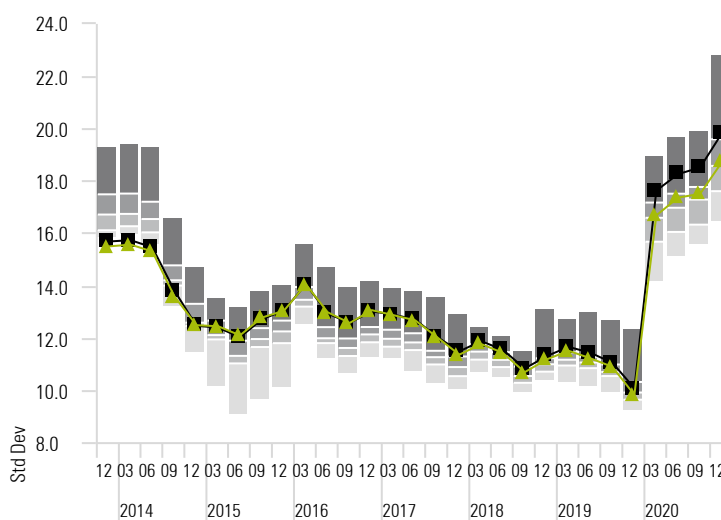


DFA Global Real Estate Securities Port

S&P Global REIT NR USD

Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



DFA Global Real Estate Securities Port

S&P Global REIT NR USD

Calendar Year Returns

	2010 Rank	2012 Rank	2013 Rank	2014 Rank	2015 Rank	2016 Rank	2017 Rank	2018 Rank	2019 Rank	2020 Rank										
DFA Global Real Estate Securities Port	1.8	4	23.2	94	1.8	78	22.7	1	0.7	24	6.6	6	9.2	90	-4.2	9	26.4	21	-6.7	62
S&P Global REIT NR USD	0.6		22.4		1.7		21.5		-0.4		5.8		7.4		-5.9		23.1		-9.1	

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NEPC, LLC

To: Susan Basile, Deputy Treasurer of SMART529

From: Tim Fitzgerald and John Krimmel

Date: January 11, 2021

Subject: West Virginia SMART529 Due Diligence Review

Background - Due diligence meetings with the Hartford were conducted virtually this year via Microsoft Teams video conferencing. Due diligence meetings occur annually with the Hartford to provide an opportunity to keep the State Treasurer's Office (STO) informed on various topics relating to the WV529 Plans. Topics may vary from year to year, but generally include updates on the Hartford organization, investments, administration, legal, etc. This memo is to provide an overview of each of the topics discussed this year.

Meetings were conducted on three different dates;

- Monday, November 16th, 2020
- Tuesday, November 17th, 2020
- Tuesday, December 8, 2020

In attendance;

- Susan Basile (STO)
- Honorable John Purdue (Treasurer)
- Gina Joynes (STO)
- Karl Shanholtzer (STO)
- Tim Fitzgerald (NEPC)
- John Krimmel (NEPC)

Hartford Firm Update –

In attendance for the Hartford;

- Jim Davey, President
- Jeff Cohan, Senior Vice President
- Chris Morvant, 529 Product Manager
- Jorn Otte, Strategic Marketing Specialist

Mr. Jim Davey, President provided an overview of the organization. He discussed the ability of the firm to successfully implement a work-from-home strategy during the pandemic. His view is that it was easier to leave the office than to return given the challenges of group settings and interactions. Mr. Davey indicated that the Hartford Funds remained profitable



during this time period and that there have been no pandemic-related staff departures or terminations.

Mr. Davey noted that performance of the firm-sponsored mutual funds remains strong, noting that 60% of the mutual funds they advise carry a 4- or 5-star rating by Morningstar. He indicated that the firm is committed to advisor-sold actively managed investment strategy. While noting these are more expensive funds, the partnership with Wellington and Schroders is working well, resulting in highly thought of investment options.

Mr. Davey expressed some disappointment in the 2020 SMART529 rating by Morningstar. He indicated that he does not believe that Morningstar fully appreciates the level of interaction between Hartford Funds and the two subadvisors. He believes this should be a focus in the 2021 rating discussion with Morningstar and thinks we should make a point to demonstrate that the Multi Asset Solutions team has access to Wellington and Schroders, making those organizations an extension of the team.

Portfolio Asset Allocation –

In attendance for the Hartford;

- Allison Mortensen, Portfolio Manager
- Jim Glendon, Assistant Portfolio Manager
- Brian Miller, Head of Trading & Capital Markets
- Chris Morvant, 529 Product Manager

Ms. Allison Mortensen provided an update on the Multi Asset Solutions Team noting that the team has been very stable over the past several years. She indicated that a trading function had been established in 2019, led by Brian Miller. The trading function was designed to support the 529 plans and other fund-of-funds within the organization. The team has purchased a trading system (Bloomberg AIM system) in order to enhance their trading operations. The team is reviewing the nuances around adding ETF's to the trading system to support the 529 Plans and fund-of-funds.

Ms. Mortensen discussed rebalancing during the early stages of the pandemic when the market sold off significantly in March/April with a strong rebound in May/June. She noted that her team was patient in reallocating capital and that none of the 529 funds breached any of their limits (equity v fixed) as identified in their prospectus materials. She reviewed her team's investment philosophy & approach as it related to the SMART529 Plan. She reiterated the Hartford's commitment to ongoing research relating to the glidepath and discussed how that research informed changes that have been made to the portfolios over the past several years. Ms. Mortensen noted that significant reductions in expenses had occurred over the 2017-2020 timeframe and that the team remains committed to further reducing expenses in the future.

Several of the topics briefly discussed in this session received additional attention and are covered in the ETF Capabilities and Glide Path discussion on Day 2 of the Due Diligence Session.



Compliance & Cybersecurity –

In attendance for the Hartford;

- Andy Decker, Chief Compliance Officer
- Oyin Adeleye, Head of Information Security
- Chris Morvant, 529 Product Manager

Mr. Decker presented an overview of Hartford Funds compliance program. He noted that the program has a dedicated legal counsel and staff supporting the firm's compliance efforts. Mr. Decker provided an overview of the compliance activities over the 529 Program's two major external vendors, Ascensus and Intuition. He noted that the firm's compliance program continued to operate normally during the pandemic and all routine and annual testing programs were completed in a thorough, timely and efficient manner.

Mr. Oyin Adeleye presented an overview of Hartford Funds cybersecurity program. The discussion also included the firm's business continuity and recovery plans, noting that both the Hartford and their key vendors were able to move to a fully remote work environment without any significant issues.

Legal –

In attendance for the Hartford;

- Michelle Lombardo, Senior Counsel
- Chris Morvant, 529 Product Manager

Ms. Lombardo discussed her role as legal counsel and that she was responsible for preparing updates to the prospectus and other regulatory filings related to the SMART529 Program. The discussion also covered upcoming filings during the remainder of 2020 and 2021.

Operations –

In attendance for the Hartford;

- Cinda Hottenstein, Head of Operations
- Bernadette Scurry, Senior TA Oversight Consultant

Ms. Scurry and Ms. Hottenstein provided an operational overview of the SMART529 program. They discussed the role of Ascensus as the Plan's recordkeeping partner. They also discussed Ascensus' service levels during the COVID pandemic, noting that SMART529 accountholders have continued to receive high levels of service. Additional discussions were held regarding the external partner's compliance and oversight program, along with controls in place to mitigate and fraud or disclosure of confidential accountholder information.



ETF Capabilities –

In attendance for the Hartford;

- Ted Lucas, Head of Investment Strategies and Solutions
- Vernon Meyer, Chief Investment Office
- Allison Mortensen, Portfolio Manager
- Chris Morvant, 529 Product Manager
- Jeff Cohan, Senior Vice President

Mr. Ted Lucas provided a detailed overview of Hartford's Multifactor Strategic Beta ETFs. As a part of his presentation, he discussed a historical overview of the strategies, the purchase of Lattice Strategies by the Hartford Funds in 2016, and the current status of their five Multifactor ETFs and two Multifactor Mutual Funds. Mr. Lucas noted that the strategies had accumulated more than \$3 billion in assets to date. He also discussed the breadth and depth of the team and supporting resources. He covered the investment philosophy and approach in the portfolios. He noted that portfolios were constructed using five factors including Value, Quality, Momentum, Size and Low Volatility metrics. The presentation included the firm's Developed Markets (ex-US) ETF (ticker RODM), the US Equity ETF (ticker ROUS), which the Hartford would like to be considered for use in the SMART529 portfolios.

Based on the portfolio construction discussion and a review of the historical results of the two equity-oriented ETFs noted above, NEPC noted that consideration for inclusion in the SMART529 portfolios would not be appropriate at this time.

Glide Path Discussion –

In attendance for the Hartford;

- Allison Mortensen, Portfolio Manager
- Jim Glendon, Assistant Portfolio Manager
- Chris Morvant, 529 Product Manager
- Jeff Cohan, Senior Vice President

Ms. Allison Mortensen led the discussion regarding the current stepped (age-band) glide paths contained in the Age-Based SMART529 portfolios. Ms. Mortensen discussed the recent (2020) review of the glide path philosophy and construction, which found that the approach remains appropriate for the program. Discussion ensued regarding the stepped glide path approach versus a progressive smoothed glide path approach mentioned by Morningstar. While Morningstar has historically viewed stepped glide paths as a best practice, recent literature suggests that they may be favoring the more progressive smooth glide path approach. As noted during the discussion, this changing approach is tempered by Morningstar's acknowledgement that the Hartford Funds method is sound and based on extensive research which had been refreshed recently. Discussion followed on larger-than-desired equity step downs in several of the age bands as accountholders age. Morningstar's current preference is that equity step downs should be 10% or less in a stepped glide path construction approach. Currently the SMART529 nine age band approach has four equity step downs that exceed the 10% preference level .



NEPC remains comfortable with the current nine age band progressive glide path approach as constructed and implemented by the Hartford Funds, but does, however, recommend that the Hartford review and adjust the equity step downs to 10% or less. Further, NEPC believes that the equity step down reduction should apply to both the Hartford SMART529 and the West Virginia Direct age-based portfolios.

Hartford Schroders International Multi-Cap Value Fund Review –

In attendance for the Hartford;

- William O'Connell, Senior Investment Analyst

Mr. William O'Connell reviewed the Hartford Schroders International Multi-Cap Value Fund. He noted that fund was being managed through their distribution arrangement with Schroders. The strategy is a highly diversified, quantitatively oriented approach to managing international equities. He noted that the fund uses a quantitative approach utilizing Schroder's QEP Investment Team led by Justin Abercrombie. Stocks presenting the desired value characteristics are determined by analyzing cash flows, dividends, and earnings estimates to create an investable universe of stocks to choose from. The team looks towards higher quality holdings that are attractively valued. Risk is evaluated across several different components including; political risk, currency risk, and prospect of growth. NEPC noted during the strategy review that the primary benchmark contained in the fund's prospectus and NEPC's performance report is a core benchmark. Ms. Mortensen indicated that the strategy, contained in the age-based strategies, was being used to capture the characteristics previously noted.

NEPC remains comfortable with the Hartford Schroders International Multi-Cap Value Fund remaining part of the SMART529 Program.

Hartford Midcap Value Fund Review –

In attendance for the Hartford;

- William O'Connell, Senior Investment Analyst

Mr. William O'Connell reviewed the Hartford Midcap Value Fund. He noted that fund was being managed through their distribution arrangement with Wellington. Mr. O'Connell noted that there was a portfolio manager change in January 2019. The portfolio manager change occurred due to the retirement of the previous portfolio manager. The new portfolio manager, Gregor Garabedian has made several changes to the strategy since assuming the lead portfolio manager role. Mr. Garabedian has reduced the number of holdings from 85-100 positions to 65-85 positions. Further, the benchmark for the portfolio was changed from the Russell 2500 Value Index to the Russell Midcap Value Index to be more in line with portfolio's underlying philosophy, approach and construction.

NEPC is comfortable with the recent changes to the Hartford Midcap Value Fund and recommends the strategy remain a part of the SMART529 Program.



Hartford Dividend & Growth Fund Review –

In attendance for the Hartford;

- Steve Wierbonics, Manager Research Consultant
- Megan Moore, Analyst

Mr. Steve Wierbonics reviewed the Hartford Dividend & Growth Fund. He noted that the fund was being managed through their arrangement with Wellington. Mr. Wierbonics noted that there was a portfolio manager change in June 2020, but there were no changes to the investment philosophy or process since the portfolio manager change. Co-manager, Mark Vincent retired from Wellington. Lead Portfolio Manager, Matthew Baker remains on the fund and is supported by co-PM Nataliya Kofman. The portfolio is managed to provide both growth and income, with the income being provided by higher quality companies with strong dividend paying histories. The portfolio has recently lagged its benchmark as the higher quality dividend paying stocks have underperformed growth stocks. NEPC noted that while the S&P 500 Index is the primary benchmark, the portfolio has a secondary benchmark of the Russell 1000 Value Index. The portfolio has performed well against the secondary benchmark, which is more reflective of the true style of the portfolio.

NEPC remains comfortable with the Hartford Dividend & Growth Fund and recommends the strategy remain a part of the SMART529 Program.

Hartford Balanced Income Fund Review –

In attendance for the Hartford;

- Steve Wierbonics, Manager Research Consultant

Mr. Steve Wierbonics reviewed the Hartford Balanced Income Fund. He noted that fund was being managed through their distribution arrangement with Wellington. There have been no changes to the investment philosophy or process over the past several years. The portfolio is managed to provide both income and growth, with the income being provided primarily by investment grade corporate bonds (80%), below investment grade corporate bonds (10%), and emerging market debt securities (10%). Through September 30, 2020, the portfolio has outperformed its blended (equity/fixed) income benchmark.

NEPC remains comfortable with the Hartford Balanced Income Fund and recommends the strategy remain a part of the SMART529 Program.

Tab 5

Actuarial Report

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WEST VIRGINIA COLLEGE PREPAID TUITION AND SAVINGS PROGRAM

12/31/2020 Interim Valuation

January 2021

January 20, 2021

WEST VIRGINIA STATE TREASURER'S OFFICE

Sherman Actuarial Services, LLC (SAS) was retained to report on the funding status and projected cash flows of the Trust as of December 31, 2020. Since this is an interim valuation, there is less detail provided than in the full valuation as of June 30, 2020. The Summary of Funding section on page 4 describes the current results and compares those results to the June 30, 2020 valuation.

Assumptions and Methods

1. Data and Assets

The valuation was performed using contract data supplied by the Plan Administrator as of December 31, 2020 and financial data reported to you as of December 31, 2020. SAS did not audit the data although they were reviewed for reasonableness and consistency with the audited June 30, 2020 information. The results of the analysis are dependent on the accuracy of the data.

The asset value as of December 31, 2020 was \$4,915,631.

2. Weighted Average Tuition (WAT)

The assumed WAT and credit hours were unchanged from the June 30, 2020 valuation as shown below.

<u>School Year</u>	<u>WAT per semester</u>	<u>CTV per semester</u>
2020-2021	\$3,795	\$4,124
2019-2020	\$3,767	\$4,093

3. Tuition Inflation

The assumed Tuition Inflation rates were unchanged from the June 30, 2020 valuation as shown below.

<u>Fiscal Year</u>	<u>Increase</u>
2021+	3.50%

4. Investment return

The investment return assumption was unchanged from the June 30, 2020 valuation as shown below.

<u>Fiscal Year</u>	<u>Assumptions</u>
2021	0.70%
2022	0.70%

5. Bias Load

A bias load of 8.5% was assumed to account for beneficiaries electing more expensive West Virginia Public schools. It is also assumed that the 75% of beneficiaries will attend a West Virginia Public school. The other 25% of beneficiaries are assumed to attend a Private or out-of-State school. The assumption is unchanged.

6. Other Assumptions

All other actuarial assumptions are unchanged from the June 30, 2020 valuation.

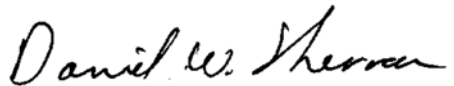
Purpose of This Report

This report is prepared for the State Treasurer's Office. It is expected that this report will be used to monitor the funding status of the plan. Use of this report for any other purpose may not be appropriate and may result in mistaken conclusions due to failure to understand applicable assumptions, methodologies, or inapplicability of the report for that purpose. No one may make any representations or warranties based on any statements or conclusions contained in this report without the written consent of SAS.

Qualifications

Daniel Sherman is an Associate of the Society of Actuaries, and a Member of the American Academy of Actuaries. He served as the actuary to the West Virginia plan for eleven years, the Alabama PACT plan for twenty years, and is the actuary for the Texas prepaid tuition program for sixteen years. He meets the Qualification Standards of the Academy to render the actuarial opinions contained herein. This report has been prepared in accordance with all applicable Actuarial Standards of Practice, and we are available to answer questions concerning it.

SHERMAN ACTUARIAL SERVICES, LLC



Daniel Sherman, ASA, MAAA
CEO and Consulting Actuary

Summary of Funding

The table below is a summary of the results showing the total costs to the State of West Virginia to maintain the program as of December 31, 2020.

	June 30, 2020 Valuation	December 31, 2020 Interim Valuation
Assets		
a. Market Value of Assets	8,472,672	4,915,631
b. Present Value of future contract purchaser payments	0	0
c. Subtotal (a + b)	8,472,672	4,915,631
Liabilities		
d. Present Value of tuition payments	14,146,699	9,468,334
Funded Status		
e. Reserve (c – d)	(5,674,027)	(4,552,703)
f. Funded Ratio (c / d)	59.9%	51.9%

An Escrow Account is available to the Fund to cover benefit costs should the Fund become depleted. As of December 31, 2020, the account balance was \$27,787,573. If combined with the Trust Fund Assets, the Fund would have a surplus of \$23,234,869 and have a Funded Ratio of 345.4%. The funded ratio on this basis as of June 30, 2020 was 246.7%.

Tab 6

Program Manager

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Program Manager's Report

March 10, 2021

Summary

- Assets of \$2.97B were up 8.6% compared to last year's levels (\$2.74B)
 - Assets increased within all three plans, with WV Direct experiencing the largest increase of 20.3%, while The Hartford SMART529 and SMART529 Select plans were up 6.5% and 8.6%, respectively
- Overall, 2020 Q4 sales of \$55.8m were down 4.9% compared to 2019 Q4 sales of \$58.7m, driven by a decrease in The Hartford SMART529
 - WV Direct sales of \$13.9m were up 2.2% to last year's Q4 sales of \$13.6m
 - SMART529 Select sales were 1.8% higher compared to last year (\$11.1m v \$10.9m)
 - The Hartford SMART529 sales were down 10.2% relative to last year (\$30.7m v \$34.2m)
- New account activity was up in total, as national new accounts were 1.4% higher for the quarter compared to Q4 2019 (1,842 v 1,817), while WV accounts were 10.8% lower (778 v 872)

Sales and Assets Overview

Assets by Plan (\$m)	12/31/2020	12/31/2019	% +/-
National Advisor	\$1,937.0	\$1,818.6	6.5%
National Direct	\$650.4	\$599.0	8.6%
In-State Direct	\$383.0	\$318.4	20.3%
Total	\$2,970.4	\$2,736.0	8.6%

Q4 Y-O-Y Sales Comparison (\$m)			
National Advisor	\$30.7	\$34.2	-10.2%
National Direct	\$11.1	\$10.9	1.8%
In-State Direct	\$13.9	\$13.6	2.2%
Total	\$55.8	\$58.7	-4.9%

New Accounts

Nationwide New Accounts Q4	12/31/2020	12/31/2019	% +/-
Broker	1,173	1,050	11.7%
Direct	669	767	-12.8%
Total	1,842	1,817	1.4%

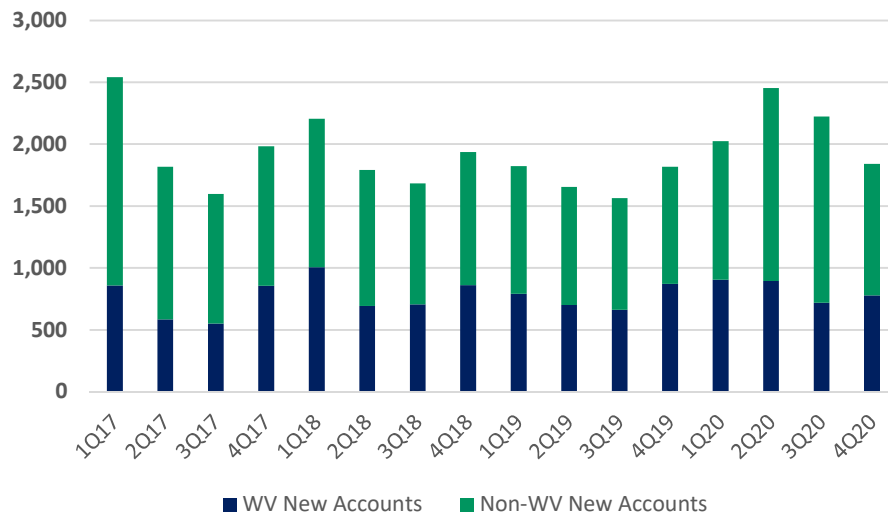
WV New Accounts Q4			
Broker	231	255	-9.4%
Direct	547	617	-11.3%
Total	778	872	-10.8%

Full Year Comparison and Quarterly History

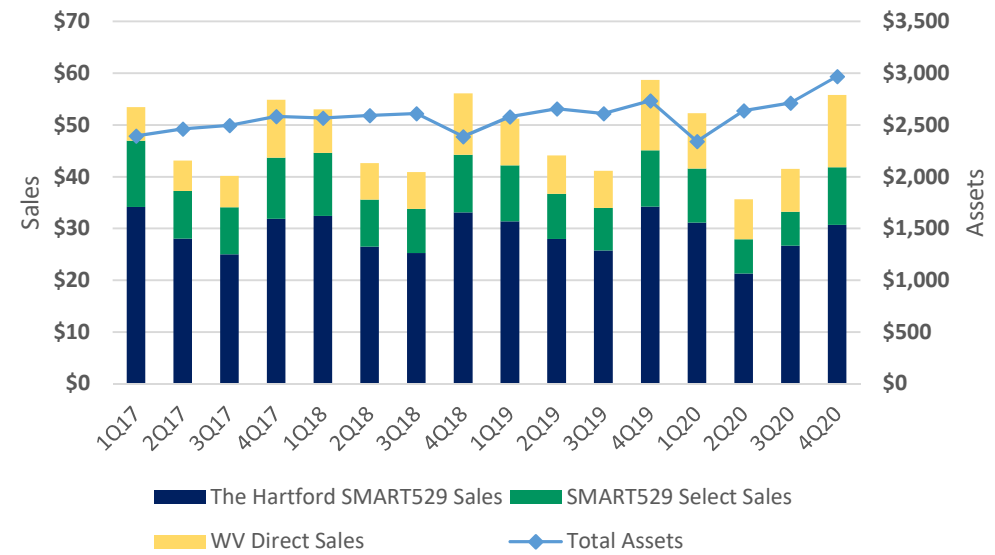
FY Y-O-Y New Accts Comparison	2020	2019	% +/-
Non-WV	5,246	3,834	36.8%
WV	3,298	3,026	9.0%
Total	8,544	6,860	24.5%

FY Y-O-Y Sales Comparison (\$m)	2020	2019	% +/-
National Advisor	\$109.8	\$119.3	-8.0%
National Direct	\$34.8	\$38.6	-9.9%
In-State Direct	\$40.6	\$37.2	9.0%
Total	\$185.2	\$195.2	-5.1%

SMART529 Quarterly New Accounts



Quarterly Sales and Assets by Plan (\$MM)



Client Servicing and Processing – Ascensus

- Call Center Service
 - Ascensus' call center representatives continue to operate in a fully remote work environment
 - Hartford Funds' Operations team provides oversight of Ascensus, and is engaged with Ascensus through daily interactions as well as standing calls with leadership of both firms
 - While the 3rd quarter is the busiest quarter in terms of call center activity, December is the busiest month, featuring inquiries about distributions (for the upcoming semester) as well as year-end contributions
 - There has been no drop-off in call center service levels
- Q4 Call Center Metrics
 - 9,680 calls were handled across all three plans in Q4
 - December represented 44% of these (4,283)
 - Call volumes continue to be slightly lower than last year (down 9% YoY in Q4)
 - Average time to answer across the three plans was 12 seconds, which continues to be strong and consistent with long-term averages
- From a processing perspective, 100% of distribution requests were processed on-time

Product Update

Item	Detail
Product Proposal: Reallocations within The Hartford SMART529 and WV Direct Plans	<ul style="list-style-type: none"> ▪ As a reminder, the Hartford Funds Multi-Asset Solutions (MAS) team is responsible for portfolio management of the Age-Based and Static portfolios within The Hartford SMART529 and WV Direct Plans <ul style="list-style-type: none"> – As discussed during the December 2020 Board meeting, over the past two years, we have expanded our team to include a trading function which has allowed us to incorporate ETFs into certain mutual funds managed by our MAS team and would also allow for these products to be made available within The Hartford SMART529 ▪ We have been assessing allocations within The Hartford SMART529 holistically—including the potential addition of ETFs—and as a result, we are recommending changes to the portfolios ▪ Our proposed revised allocations should allow the portfolios to improve risk-adjusted returns for plan participants while delivering cost reductions and adhering to the portfolios' objectives ▪ The reallocation proposal also considers and makes changes to the portfolios' equity step-downs as discussed at the December Board meeting, achieving a smoother glide path with a maximum 10% equity step-down ▪ This revised glide path featuring 10% maximum equity step-downs is also recommended for implementation within the WV Direct plan
Offering Statement Disclosure Updates	<ul style="list-style-type: none"> ▪ Hartford Funds worked with the West Virginia State Treasurer's Office and NEPC to make routine updates to SMART529 Offering Statements via Supplements including updating certain disclosures (e.g., risk disclosures, etc.) and fee waiver language

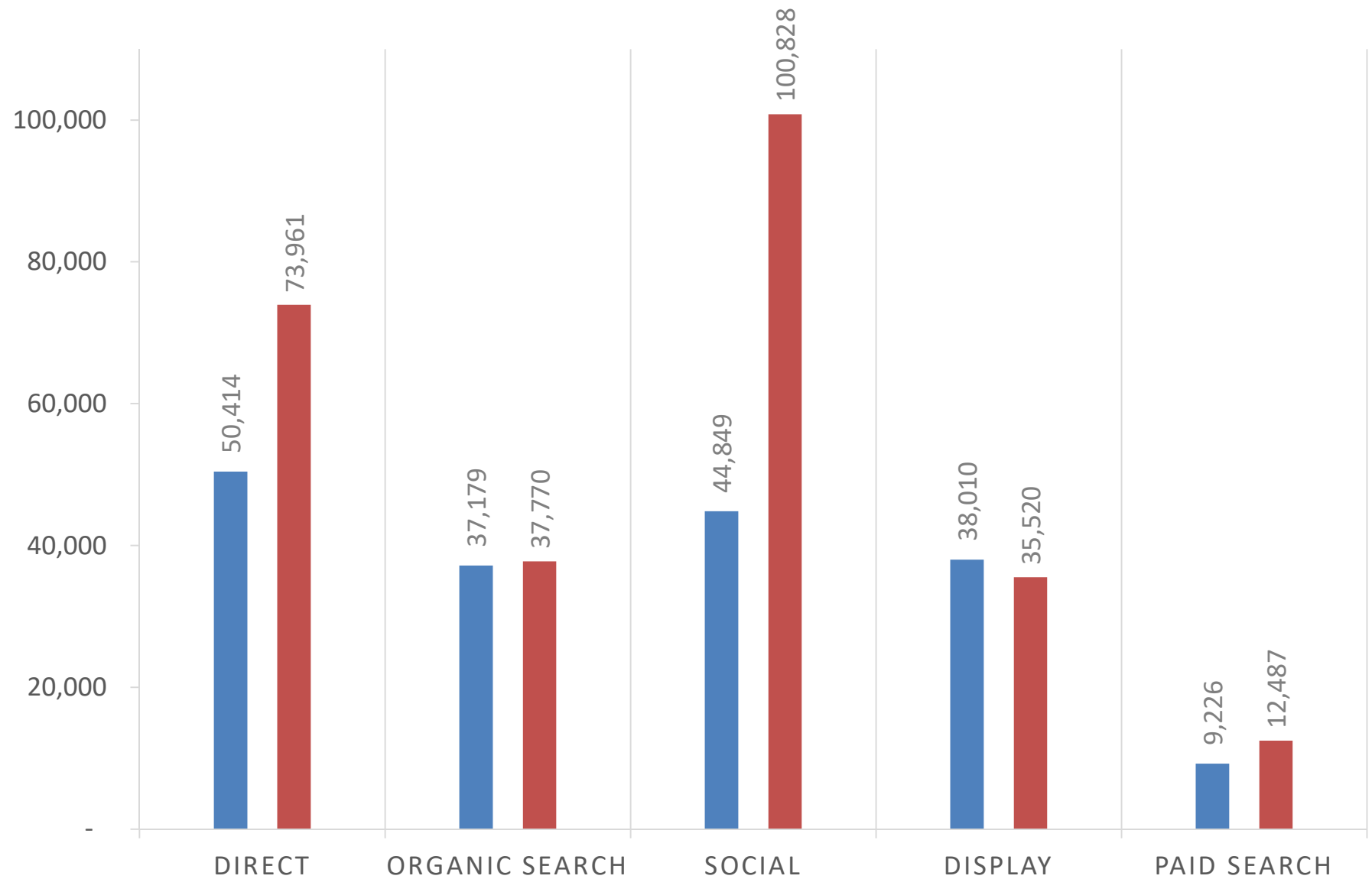
Users 194,564 43.9%	Sessions 313,145 39.0%	Page Views 459,265 28.4%	Page/Session 1.47 -6.3%	Avg. Time on Page 01:44 10.4%
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Traffic Highlights 2020 vs 2019

- **Overall:** 39% - Increase mainly due to social efforts and more targeted tactics
- **Social:** 125% - Increased budget to social with targeted campaigns and positive results
- **Paid Search:** 35% - creates the most engagement once people are on the website
- **Top Pages in 2020:**
 1. Home – 100,079 page views
 2. Gift of College – 63,172 page views
 3. Bright Babies – 58,580 page views

■ 2019 ■ 2020

TRAFFIC BY SOURCE



WVU Football Season Recap

Smart529 Play of the Game: 12 posts: 6 on Facebook, 6 on Twitter

- Impressions: 472,500
- Video View: 113,800
- Engagements: 3,900

Fan365 Banner Ads: Co-branded ad the WVU flyer

- Impressions: over 719,662
- Site visits: 2,604

Digital Program: full page ad

- Total Page Views: 63,730
- Impressions: 3,847
- Views: 2,024

Bonus Ad placement for Bowl Game

- Total Page Views: 120,384
- Impressions: 6,102
- Views: 3,900



Website Updates

- When I Grow Up – electronic entries now available for teachers and students
- Website is ADA compliant

The screenshot shows the SMART529 website homepage. At the top, the logo for SMART529 is displayed with the tagline "West Virginia's Education Savings Solution". Navigation links include "About Us", "FAQs", "Forms", "Contact Us", and "Log In to Account Access". A green "Open Account" button is prominent, along with a search bar labeled "Enter Keywords". Below the navigation bar, a blue banner contains a "COVID-19 Announcement from the State Treasurer: View Letter Here" and a link to "Receive a refund due to COVID-19? Click here for information on what to do." The main content area features a large image of a young woman with braids looking at a laptop, with an older man standing behind her. Overlaid on this image is the text "Keep College Prep Top of Mind" and "Navigate the New Norms with Educational Expert Jamie Dickenson". A yellow "LEARN MORE >" button is positioned below the text, with a tooltip that says "Learn More about navigating the new norms with Jamie Dickenson". At the bottom, a four-step process is outlined: 1. Learn About the Plan (Learn More>), 2. Calculate Projected Educational Costs (Learn More>), 3. Research Investments (Learn More >), and 4. Open an Account (Learn More>).

Year-end 2020 Budget

	Total Budget	Spend to Date	Budget Remaining	% of Budgeting Remaining
Manahan	\$ 233,000	\$ 228,102	\$ 4,898	2%
Agency fees	\$ 100,000	\$ 100,000	\$ -	0%
WVU/ Marshall	\$ 130,000	\$ 113,000	\$ 17,000	13%
WIGU Event	\$ 3,000	\$ 15,102	\$ (12,102)	-403%
Centro	\$ 134,271	\$ 160,799	\$ (26,528)	-20%
HF	\$ 298,000	\$ 288,488	\$ 9,512	3%
Field Representative	\$ 100,000	\$ 100,000	\$ -	0%
Bright Babies Scholarships	\$ 87,000	\$ 87,924	\$ (924)	-1%
Gift of College	\$ 12,500	\$ 8,500	\$ 4,000	32%
Fred Rogers	\$ 30,000	\$ 30,000	\$ -	0%
WVU logo items	\$ 5,000	\$ -	\$ 5,000	100%
Website	\$ 25,000	\$ 25,000	\$ -	0%
Print materials	\$ 8,000	\$ 6,000	\$ 2,000	25%
WIGU print & awards	\$ 30,500	\$ 31,064	\$ (564)	-2%
Total	\$ 665,271	\$ 677,389	\$ (12,118)	-2%

Moving into 2021

- Continued expansion and improvement of targeted digital advertising campaigns
- Optimize webpages to coincide with digital advertising efforts
- Expanded webinar strategy
- Video production and promotion strategy

2021 Total Marketing Budget : \$692,700



• Jørn Earl Otte's 2020 Q4 Activity

- ▶ **Businesses:** Virtually presented SMART529 to two Chambers of Commerce, two libraries, and one Rotary Club during Q4. Virtually presented SMART529 to the employees of various businesses, including Montani Mechanical, The YMCA of Southern West Virginia, MountainHeart, Access Health, New River Health Clinic, Raleigh County Commission on Aging, and more.
- ▶ **Brokers/Financial Advisors:** In coordination with Joe Pewdo of Hartford Funds, began expanding relationships with various brokers, to begin offering The Hartford SMART529 to their existing clients, beginning with such companies as Compliance PEO, Med-Surg Group, and River Valley Child Development Services.
- ▶ **Banking Institutions:** Worked with Capon Valley Bank to offer SMART259 to bank employees as well as banking customers. Began working with West Virginia Christian Educators Association to expand both their and our relationship with United Bank.
- ▶ **Website/Webinars:** Continued work with Justine Bartholomew on improving and updating the SMART529 website, and producing further content for both the site and webinars.
- ▶ **WVSTO:** Coordinated with Deputy Treasurer Gina Joynes in presenting the Inquire Within program at Cabell County Library.



SMART529

SMART529 is a program of the Board of Trustees of the West Virginia College Prepaid Tuition and Savings Program, State Treasurer Riley Moore, Chairman. The Board has selected Hartford Funds Management Company, LLC to provide management services for SMART529. Hartford Funds Distributors, LLC (“HFD”) is the principal underwriter and any structuring of municipal fund securities under the municipal securities laws are deemed to be performed by HFD. The SMART529 suite of college savings products includes The Hartford SMART529, SMART529 WV Direct and SMART529 Select.

Investments in SMART529 are not guaranteed or insured by the State of West Virginia, the Board of Trustees of the West Virginia College Prepaid Tuition and Savings Program, the West Virginia State Treasurer’s Office, Hartford Funds Management Company, LLC, The Hartford Financial Services Group, the investment sub-advisors for the Underlying Funds or any depository institution and are subject to investment risks, including the loss of the principal amount invested.

West Virginia offers special state tax incentives for West Virginia taxpayers that invest in SMART529. If you are a resident of a state other than West Virginia, before investing in SMART529, you should compare your own state’s qualified tuition program and any state tax or other advantages it may provide.

The Hartford SMART529: Reallocation Proposal

March 10, 2021

The Hartford SMART529 Proposed Allocation Change

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Introduction

- As a reminder, the Hartford Funds Multi-Asset Solutions (MAS) team is responsible for portfolio management of the Age-Based and Static portfolios within The Hartford SMART529
- The team continually monitors and assesses the asset allocations and underlying funds within these portfolios as market conditions change and our capabilities evolve
- Hartford Funds has a deep line-up of mutual fund and exchanged-traded fund (ETF) investment products; investment products within The Hartford SMART529 plan have traditionally been mutual funds and the stable value separate account

Trading Team

- Over the past two years, we have expanded our team to include a trading function which has allowed us to incorporate ETFs into certain mutual funds managed by our MAS team and would also allow for these products to be made available within The Hartford SMART529
 - Brian Miller, who leads Hartford Funds' Trading and Capital Markets team, shared additional background about this team with the Board at the December 2020 Board meeting during the ETF Overview presentation

Reallocation Proposal

- We have been assessing allocations within The Hartford SMART529 holistically—including the potential addition of ETFs—and as a result, we are recommending changes to the portfolios
- **Our proposed revised allocations should allow the portfolios to improve risk-adjusted returns for plan participants while delivering cost reductions and adhering to the portfolios' objectives**
- **The reallocation proposal also considers and makes changes to the portfolios' equity step-downs as discussed at the December Board meeting, achieving a smoother glide path with a maximum 10% equity step-down**

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Hartford Funds Multi-Asset Solutions, Research, and Trading Teams

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***We are risk managers,
first and foremost***

- Seventeen-member team with an average of 20 years of industry experience
- Flat structure facilitates strong collaboration, debate and shared insights

Allison Mortensen, CFA
Portfolio Manager
Head of Multi-Asset Solutions
Professional Experience since 1994
BSBA, University of Richmond

Vernon J. Meyer, CFA
Portfolio Manager
Chief Investment Officer
Professional Experience since 1987
BS, Trinity College
MBA, Rensselaer Polytechnic Institute

Ted Lucas
Head of Investment Strategies & Solutions
Professional Experience since 1991
BA, Gordon College

Fundamental and Quantitative Research

Jim Glendon, CFA
Assistant Portfolio Manager
Professional Experience since 2009
BA, Temple University
MS, Vanderbilt University

John Miller
Quantitative Investment Analyst
Professional Experience since 2015
BS, University of Pittsburgh
MA, Villanova University

Manager Research

Anita Baldwin
Head of Research
Professional Experience since 1990
BA, State University of New York
Binghamton
MPA, Baruch College

Ian Seaver
Head of Fixed Income Research
Professional Experience since 2007
BS, University of Massachusetts - Dartmouth

William O'Connell, CFA
Multi-Factor/Multi-Asset Research
Professional Experience since 1997
BA, University of Massachusetts - Amherst
MS, Boston College

Lianna Peto, CIMA
Head of Equity Research
Professional Experience since 2008
BS, University of Scranton

Stephen Wierbonics, CFA, CIMA, CAIA
Equity Research
Professional Experience since 2008
BS, University of Connecticut

Charles Yanoshik
Fixed Income Research
Professional Experience since 1984
BA, York College of PA
MBA, Saint Joseph's University

Jonathan Callahan
Fixed Income Research
Professional Experience since 2005
BA, Clark University

Osbert Bryan
Equity Research
Professional Experience since 2013
BA, University of Virginia

Megan Mooney
Equity Research
Professional Experience since 2004
BBA, Loyola University

Trading

Brian Miller, CFA
Head of Trading & Capital Markets
Professional Experience since 2000
BBA, Loyola University of Maryland
MBA, Temple University

Jackie Pasquarello
Trading Operations Specialist
Professional Experience since 1990
BA, Cabrini University

Kevin Fore
Investment Trader
Professional Experience since 2013
BS, Quinnipiac University

Multi-Asset Solutions Team Focus and Philosophy

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Our Experience

- The Multi-Asset Solutions team **has expertise in portfolio construction, investment risk, and in designing models** to meet specific goals with given constraints

Our Focus

- **529 savings plans are a primary focus of the Multi-Asset Solutions team**, as a significant amount of the assets overseen by the team are within 529 plans (\$2.2B / \$5.0B in AUM as of 12/31/2020)

Our Goal

- To **create durable portfolios** that can withstand market stress and participate when risk assets are in favor
- We strive to deliver a **cost-effective solution** for our clients

Our Philosophy

- We believe that there are many risks beyond equity market risk, and while the percent of equity is commonly used to illustrate portfolio risk, it is merely one of many lenses helpful to evaluate the variety of risks in any given glide path or portfolio.
- We believe that it is in the best interest of the participant to use the power of diversification across asset classes and return drivers. Allocations should be thoughtful, considering both expected risk and return, as well as correlations, among drivers of returns. We believe that during the final stage of the glide path, preservation of capital is of utmost importance.
- We believe that it is most appropriate to preserve capital while the account is being drawn down and that the allocation during enrollment should be more conservative and not vary throughout the decumulation period.

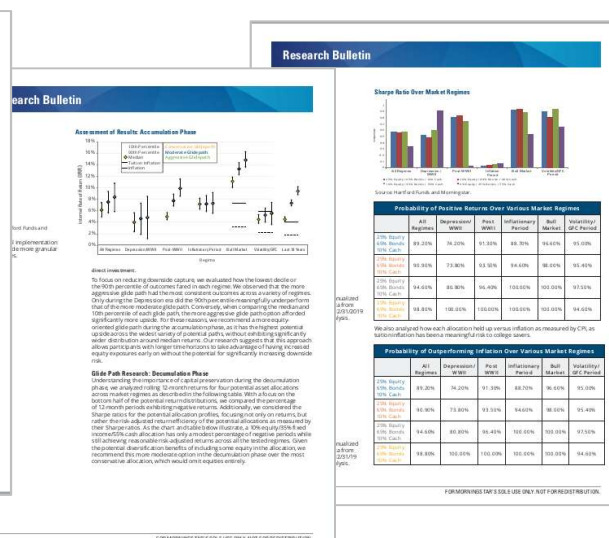
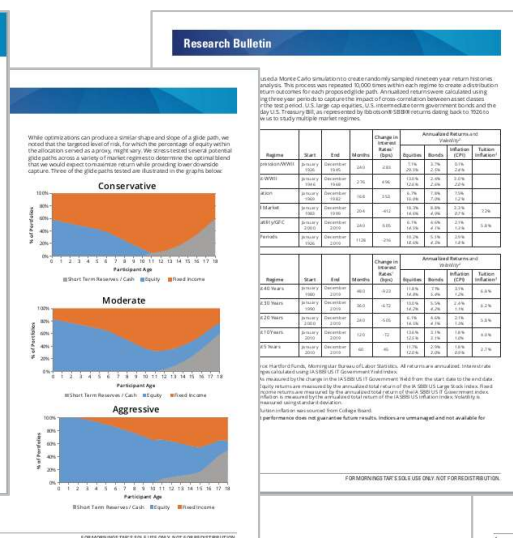
In proposing revised allocations, we employ a multi-faceted portfolio construction approach and philosophy that remains the same as we seek to build robust portfolios with the highest likelihood of success to meet the objective of funding education costs

- The 529 asset allocation framework and associated glide paths are based on our original research
- The allocations are assessed using a variety of lenses to ensure diversification within the risk budget
- The age-bands have been spaced to minimize changes in risk as well as minimize equity step-downs throughout the glide path to minimize market timing risk
- Portfolios are continually assessed to ensure allocations are optimal, which has manifested through a history of allocation adjustments and underlying fund changes to improve the plan
- Significant consideration is given to cost when designing portfolios

Updated 2020 Original Research Underpins Glide Path Design

In early 2020, we updated and reevaluated our long-term strategic glide path research¹ and concluded that our original results remain valid

- We conducted two distinct studies, separated by the accumulation and decumulation phase.
- In both, we analyzed several different glide path approaches under various historical market scenarios and assessed sensitivities and the range of participant outcomes.
- We also evaluated how varying numbers of age-bands affected participant experiences.
- We found a more equity-oriented glide path to be most appropriate for the bulk of savers over the majority of market regimes during the accumulation phase.
- However for the later years of the glide path, we adjusted our objectives to focus on risk-adjusted returns and on minimizing negative return periods. We found, not surprisingly, that a more conservative allocation was warranted.



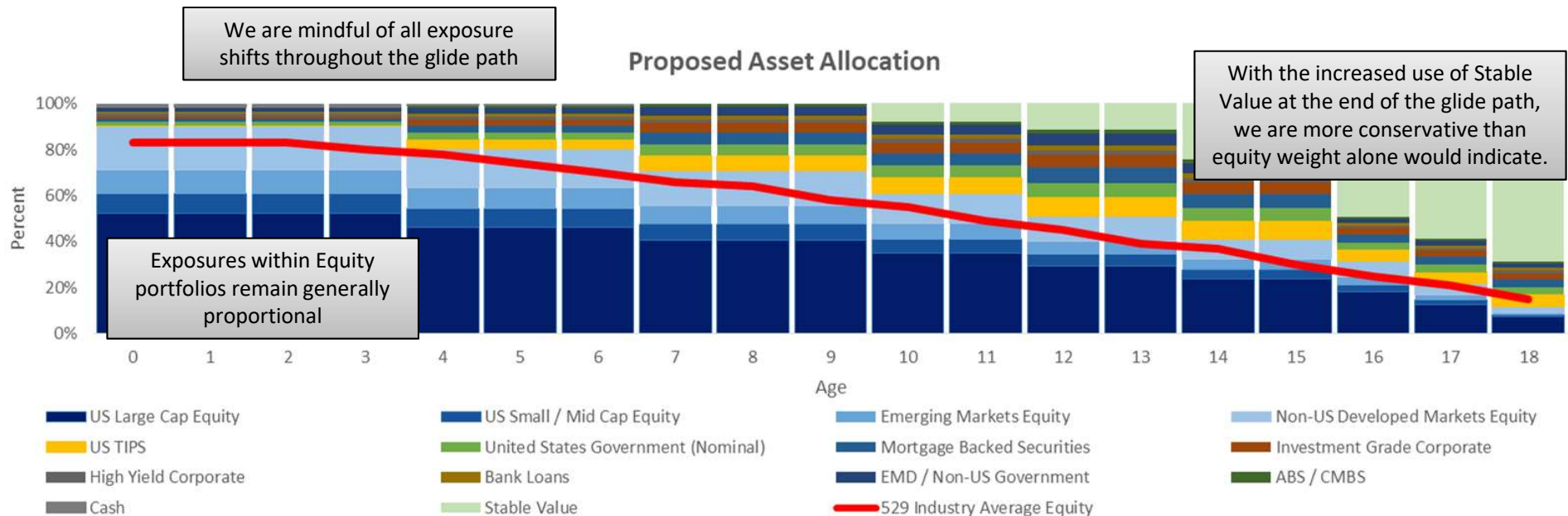
¹ Research updated through 2019

Portfolio Construction and Implementation

Using results from our glide path study as a strategic backbone to the allocations, we construct a diversified portfolio.

Our research has indicated that a more equity-oriented glide path is the most appropriate for the bulk of savers over the majority of market regimes during the accumulation phase of the glide path.

Preservation of capital is of the utmost importance during the final stages of the age-based glide path.



Proposed Target allocations by age as of 12/31/20. 529 Industry Average Equity sourced from Morningstar.

We employ a thoughtful portfolio construction process that combines active funds in a complementary manner to create diversified, all-weather portfolios that can perform well in a variety of environments

In selecting and sizing each exposure, we take into account our assessment of long-term asset class returns, volatility and correlation, our conviction in the individual strategies and their ability to add value, and—as important as the diversification benefits—overlapping exposures and historical drawdowns and ability to diversify the portfolio, and the relative cost

- We use a look-through, risk-based approach that allows us to better evaluate the interplay among funds
- We remain mindful of each underlying managers' positioning and bias, and ability to add alpha
- We use a variety of metrics to assess the risk and return profile of each portfolio including contribution to risk (which incorporates correlations), realized risk alongside standard portfolio characteristics such as growth and value, duration and credit quality
- Significant consideration is given to cost when designing allocations

Reallocation Considerations

- The following factors were taken into consideration when determining the proposed reallocation:
 - Maintain asset class allocation in line with original research
 - Adhere to high-level glide path
 - Maintain the risk profile of portfolio allocations
 - Be cognizant of portfolio objectives and risk levels
 - Minimize risk changes between age-based portfolios
- This proposal maximizes the expected risk-adjusted return of the portfolios while adhering to these considerations

Summary of Changes – The Hartford SMART529 Plan

- 1) In assessing Hartford Funds' ETF line-up, we recommend adding two fixed income ETFs to the plan
- 2) We are seeking to achieve a better balance between value and growth within the portfolios by introducing more explicit growth exposure within domestic equity
- 3) We are proposing some additional changes to improve risk-adjusted returns, including the removal of the Hartford Global Real Asset Fund. Given this fund's historic higher volatility, we believe we can achieve more efficient returns with similar exposures and lower costs through other funds while maintaining some inflation defense throughout the portfolio.
- 4) We are making relatively small changes to the glide path to decrease the maximum equity step-down to 10%

Primary Benefits of Proposed Allocation Changes

- A. Expected improvement in risk-adjusted returns
- B. Reduction in portfolio expenses

Current Portfolio Allocations

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The existing portfolios feature diversified exposure across a strong underlying fund line-up

				The Hartford SMART529: Current Allocations									
	Name	Ticker	Net Exp. Ratio	0-3 / Agg Growth	4-6 / Growth	7-9	10-11 / Balanced	12-13	14-15	16 / Cons. Balanced	17	18+	Checks & Balances
Domestic Equity	iShares Russell 1000 Large-Cap Index Fund	BRGNX	0.13	5.00	4.00	3.00	2.00	1.00	-	-	-	-	-
	iShares Russell Mid-Cap Index Fund	BRMIX	0.10	6.00	5.00	4.50	3.50	3.00	2.50	2.00	1.00	-	-
	Hartford Core Equity	HGIFX	0.39	17.00	14.00	11.50	10.50	9.00	8.00	7.00	6.00	3.00	-
	Hartford Equity Income	HQIFX	0.66	14.00	12.00	9.50	8.50	7.00	6.50	4.00	4.00	4.00	-
	Hartford Dividend and Growth	HDGFX	0.65	18.00	17.00	14.00	11.00	8.00	7.00	5.00	-	-	33.33
	Hartford Small Cap Growth	HSLFX	0.77	5.00	4.00	3.00	2.00	2.00	-	-	-	-	-
	Hartford Capital Appreciation	HCAFX	0.71	-	-	-	-	-	-	-	-	-	33.33
	Hartford Growth Opportunities	HGOFX	0.76	-	-	-	-	-	-	-	-	-	-
Intl Eq.	Hartford International Opportunities	IHOFX	0.71	18.00	14.00	12.00	11.00	9.00	8.00	8.00	5.00	2.00	-
	Hartford Schroders Int'l Multi-Cap Value	HFYFX	0.77	6.00	5.50	4.50	4.50	4.00	2.00	-	-	-	-
	Hartford Schroders Emerging Markets Equity	HHHFX	1.06	4.00	3.50	3.00	2.50	2.00	1.50	-	-	-	-
Fixed Income	Hartford Total Return Bond	ITBFX	0.35	-	-	3.25	4.25	9.00	6.50	-	-	-	33.33
	Hartford Total Return Bond ETF	HTRB	0.29	-	-	-	-	-	-	-	-	-	-
	Hartford Core Bond ETF	HCRB	0.29	-	-	-	-	-	-	-	-	-	-
	Hartford Inflation Plus	HIPFX	0.45	-	3.00	9.00	9.00	10.50	12.00	8.00	8.00	6.00	-
	Hartford Strategic Income	HSNFX	0.60	2.00	5.00	6.75	6.75	8.00	14.50	4.00	4.00	5.00	-
	Hartford World Bond	HWDFX	0.65	-	6.00	7.50	8.50	9.50	11.50	1.00	1.00	1.00	-
GRA	Hartford Global Real Asset	HRLFX	0.92	5.00	7.00	8.50	8.00	8.00	8.00	6.00	6.00	4.00	-
SV	SMART529 Stable Value (Invesco)	n/a	0.13	-	-	-	8.00	10.00	12.00	55.00	65.00	75.00	-
Total				100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Exp. Ratio				0.60	0.61	0.60	0.56	0.54	0.54	0.34	0.29	0.25	0.57
Asset Allocation													
Equity				96	84	71	61	50	41	30	20	12	67
Fixed Income				4	16	29	31	40	47	15	15	13	33
Stable Value				0	0	0	8	10	12	55	65	75	0
Total				100	100	100	100	100	100	100	100	100	100
Equity Step Down				n/a	13	13	10	11	10	11	10	8	n/a

The Age-Based glide path was constructed based on original research produced by the Multi-Asset Solutions team and was updated and reevaluated in early 2020

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FOR THE BOARD OF TRUSTEES OF THE WEST VIRGINIA COLLEGE PREPAID TUITION AND SAVINGS PROGRAM. NOT FOR USE WITH THE GENERAL PUBLIC.

Proposed Portfolio Allocations

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- The portfolio construction process remains unchanged within our proposal
- The proposed portfolios incorporate several new funds while removing exposure to other funds in seeking improved risk-adjusted returns

				The Hartford SMART529: Proposed Allocations									
	Name	Ticker	Net Exp. Ratio	0-3 / Agg Growth	4-6 / Growth	7-9	10-11 / Balanced	12-13	14-15	16 / Cons. Balanced	17	18+	Checks & Balances
Domestic Equity	iShares Russell 1000 Large-Cap Index Fund	BRGNX	0.13	9.00	7.75	6.50	5.50	4.50	3.75	2.75	1.75	1.25	-
	iShares Russell Mid-Cap Index Fund	BRMIX	0.10	-	-	-	-	-	-	-	-	-	-
	Hartford Core Equity	HGIFX	0.39	20.00	18.50	16.25	14.25	12.00	9.50	7.25	5.50	3.00	-
	Hartford Equity Income	HQIFX	0.66	16.50	14.25	12.75	11.00	9.25	7.50	5.75	3.75	2.25	-
	Hartford Dividend and Growth	HDGFX	0.65	-	-	-	-	-	-	-	-	-	33.33
	Hartford Small Cap Growth	HSLFX	0.77	5.25	4.75	4.25	3.50	3.00	2.25	1.75	1.25	-	-
	Hartford Capital Appreciation	HCAFX	0.71	-	-	-	-	-	-	-	-	-	33.33
	Hartford Growth Opportunities	HGOFX	0.76	12.00	10.75	9.25	8.00	6.75	5.50	4.25	2.75	1.75	-
Intl Eq.	Hartford International Opportunities	IHOFX	0.71	17.50	15.50	13.75	11.75	10.00	8.00	6.25	4.25	2.50	-
	Hartford Schroders Int'l Multi-Cap Value	HFYFX	0.77	8.00	7.00	6.25	5.50	4.50	3.75	2.75	2.00	1.25	-
	Hartford Schroders Emerging Markets Equity	HHHFX	1.06	3.75	3.50	3.00	2.50	2.00	1.75	1.25	0.75	-	-
Fixed Income	Hartford Total Return Bond	ITBFX	0.35	-	-	-	-	-	-	-	-	-	-
	Hartford Total Return Bond ETF	HTRB	0.29	-	-	-	-	-	-	-	-	-	33.33
	Hartford Core Bond ETF	HCRB	0.29	3.00	6.00	10.50	11.25	13.25	12.25	7.00	7.00	7.00	-
	Hartford Inflation Plus	HIPFX	0.45	-	5.50	9.00	9.50	11.50	10.50	7.00	7.00	7.00	-
	Hartford Strategic Income	HSNFX	0.60	5.00	5.25	5.75	6.00	7.25	6.50	4.00	4.00	4.00	-
	Hartford World Bond	HWDFX	0.65	-	1.25	2.75	3.25	4.00	3.75	-	-	-	-
GRA	Hartford Global Real Asset	HRLFX	0.92	-	-	-	-	-	-	-	-	-	-
SV	SMART529 Stable Value (Invesco)	n/a	0.13	-	-	-	8.00	12.00	25.00	50.00	60.00	70.00	-
Total				100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Exp. Ratio				0.59	0.58	0.56	0.52	0.49	0.43	0.34	0.29	0.24	0.55
Asset Allocation													
Equity				92	82	72	62	52	42	32	22	12	67
Fixed Income				8	18	28	30	36	33	18	18	18	33
Stable Value				0	0	0	8	12	25	50	60	70	0
Total				100	100	100	100	100	100	100	100	100	100
Equity Step Down				n/a	10	10	10	10	10	10	10	10	n/a

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FOR THE BOARD OF TRUSTEES OF THE WEST VIRGINIA COLLEGE PREPAID TUITION AND SAVINGS PROGRAM. NOT FOR USE WITH THE GENERAL PUBLIC.

Proposed Portfolio Changes

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- In addition to proposing several new funds and removing other funds, the proposed allocations also result in weighting changes among several existing underlying funds as we holistically review allocations when changes are being made

				Change: Current vs. Proposed									
	Name	Ticker	Net Exp. Ratio	0-3 / Agg Growth	4-6 / Growth	7-9	10-11 / Balanced	12-13	14-15	16 / Cons. Balanced	17	18+	Checks & Balances
Domestic Equity	iShares Russell 1000 Large-Cap Index Fund	BRGNX	0.13	4.00	3.75	3.50	3.50	3.50	3.75	2.75	1.75	1.25	-
	iShares Russell Mid-Cap Index Fund	BRMIX	0.10	(6.00)	(5.00)	(4.50)	(3.50)	(3.00)	(2.50)	(2.00)	(1.00)	-	-
	Hartford Core Equity	HGIFX	0.39	3.00	4.50	4.75	3.75	3.00	1.50	0.25	(0.50)	-	-
	Hartford Equity Income	HQIFX	0.66	2.50	2.25	3.25	2.50	2.25	1.00	1.75	(0.25)	(1.75)	-
	Hartford Dividend and Growth	HDGFX	0.65	(18.00)	(17.00)	(14.00)	(11.00)	(8.00)	(7.00)	(5.00)	-	-	-
	Hartford Small Cap Growth	HSLFX	0.77	0.25	0.75	1.25	1.50	1.00	2.25	1.75	1.25	-	-
	Hartford Capital Appreciation	HCAFX	0.71	-	-	-	-	-	-	-	-	-	-
	Hartford Growth Opportunities	HGOFX	0.76	12.00	10.75	9.25	8.00	6.75	5.50	4.25	2.75	1.75	-
Intl Eq.	Hartford International Opportunities	IHOFX	0.71	(0.50)	1.50	1.75	0.75	1.00	-	(1.75)	(0.75)	0.50	-
	Hartford Schroders Int'l Multi-Cap Value	HFYFX	0.77	2.00	1.50	1.75	1.00	0.50	1.75	2.75	2.00	1.25	-
	Hartford Schroders Emerging Markets Equity	HHHFX	1.06	(0.25)	-	-	-	-	0.25	1.25	0.75	-	-
Fixed Income	Hartford Total Return Bond	ITBFX	0.35	-	-	(3.25)	(4.25)	(9.00)	(6.50)	-	-	-	(33.33)
	Hartford Total Return Bond ETF	HTRB	0.29	-	-	-	-	-	-	-	-	-	33.33
	Hartford Core Bond ETF	HCRB	0.29	3.00	6.00	10.50	11.25	13.25	12.25	7.00	7.00	7.00	-
	Hartford Inflation Plus	HIPFX	0.45	-	2.50	-	0.50	1.00	(1.50)	(1.00)	(1.00)	1.00	-
	Hartford Strategic Income	HSNFX	0.60	3.00	0.25	(1.00)	(0.75)	(0.75)	(8.00)	-	-	(1.00)	-
	Hartford World Bond	HWDFX	0.65	-	(4.75)	(4.75)	(5.25)	(5.50)	(7.75)	(1.00)	(1.00)	(1.00)	-
GRA	Hartford Global Real Asset	HRLFX	0.92	(5.00)	(7.00)	(8.50)	(8.00)	(8.00)	(8.00)	(6.00)	(6.00)	(4.00)	-
SV	SMART529 Stable Value (Invesco)	n/a	0.13	-	-	-	-	2.00	13.00	(5.00)	(5.00)	(5.00)	-
Total				-	-	-	-	-	-	-	-	-	-
Exp. Ratio				(0.01)	(0.03)	(0.04)	(0.05)	(0.05)	(0.10)	(0.00)	(0.01)	(0.01)	(0.02)
Asset Allocation													
Equity				(4)	(2)	1	1	2	1	2	2	0	0
Fixed Income				4	2	(1)	(1)	(4)	(14)	3	3	5	0
Stable Value				0	0	0	0	2	13	(5)	(5)	(5)	0
Total				(0)	0	0	(0)	(0)	0	0	0	0	
Equity Step Down				n/a	(3)	(3)	0	(1)	0	(1)	0	2	n/a

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Underlying Fund Proposed Additions

- The Hartford Growth Opportunities fund is already offered within the plan as an Individual Portfolio Option and has resonated strongly with financial professionals / plan participants(~\$80MM in assets)
- Hartford Total Return Bond ETF is an ETF version of the Hartford Total Return Bond mutual fund, which is currently offered within the plan within several portfolios including as an Individual Portfolio option (~\$34MM in assets)

Asset Class	Fund Name	Morningstar Category	Fund Assets (1/31)	Morningstar Rating (1/31) ¹	Net Expense Ratio	Overview	Addition Rationale
Domestic Equity	Hartford Growth Opportunities Fund (HGOFX)	Large Cap Growth	\$7.3B	***** Silver ^Q	0.76%	An opportunistic, multi-cap growth fund that looks for early signs of accelerating fundamentals	The Fund provides exposure to names and factors not found elsewhere in the portfolio. With its heavy exposure to growth, momentum and volatility, we believe it is a natural complement to the more defensive Hartford Equity Income Fund.
Fixed Income	Hartford Core Bond ETF (HCRB)	Intermediate Core Bond	\$158MM	N/A ² Neutral ^Q	0.29%	A core bond fund that invests primarily in investment grade fixed income, including US Treasuries, corporate bonds, and MBS	As implied by its name, this fund is designed to be the “core” option in a fixed income portfolio with its high-quality investment ideas managed in a risk-controlled framework. We are very familiar with and have confidence in the management team, and like the low-credit, longer-duration exposure of this strategy as a way of hedging equity market risk in a diversified, multi-asset portfolio.
	Hartford Total Return Bond ETF (HTRB)	Intermediate Core Plus Bond	\$904MM	**** Bronze	0.29%	A diversified bond fund that invests in investment grade debt with tactical investments in high yield and non-US dollar bonds	Within the Checks and Balances Portfolio, replace Total Return Bond mutual fund with the lower cost ETF

¹ See Appendix for Morningstar Analyst Rating Methodology information

² The ETF version of this strategy was inception in February 2020 and therefore is not yet eligible for a Morningstar star rating but the underlying investment strategy has a long-term track record

Underlying Fund Proposed Removals

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Asset Class	Fund Name	Morningstar Category	Removal Rationale
Domestic Equity	Hartford Dividend and Growth Fund¹	Large Cap Value	<ul style="list-style-type: none"> Value exposure is similar to the Hartford Equity Income fund which is being maintained in the portfolios, and removal of the Hartford Dividend and Growth fund will help to achieve more balance between growth and value.
	iShares Russell MidCap Index Fund	US Mid-Cap Blend	<ul style="list-style-type: none"> We expect the mid-cap exposure within the Hartford Growth Opportunities fund to provide enhanced risk-adjusted returns with the ability to add alpha over pure passive exposure under a variety of market environments within the midcap space.
Fixed Income	Hartford Total Return Bond Fund	Intermediate Core-Plus Bond	<ul style="list-style-type: none"> Hartford Core Bond ETF provides much of the same exposure as the Hartford Total Return Bond (TRB) fund, as it is managed by the same team. The plus sector fixed income exposures that had been provided by TRB are replicated in other fixed income exposures.
Multi-Asset	Hartford Global Real Asset Fund	World Allocation	<ul style="list-style-type: none"> Given this fund's historic higher volatility, we believe we can achieve more efficient returns with similar exposures and lower costs through other funds while maintaining some inflation exposures throughout the portfolio. The Hartford Inflation Plus fund provides exposure to other dimensions of inflation. This fund is the 2nd highest cost fund in the lineup, so its removal has a positive effect from an expenses perspective.

¹ Hartford Dividend and Growth Fund would remain within the Checks and Balances Portfolio

The Hartford SMART529 Characteristics Comparison

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The proposed portfolios have a very similar portfolio characteristics profile as the current portfolios

	The Hartford SMART529: Current Allocations								
	0-3	4-6	7-9	10-11	12-13	14-15	16	17	18+
Effective Duration	5.3	3.7	4.4	4.3	4.6	4.5	4.9	4.9	4.9
Yield to Maturity	3.5	2.0	1.9	1.8	1.9	2.0	2.0	2.0	2.2
Price/Book	2.8	2.8	2.8	2.7	2.7	2.8	3.1	3.3	3.1
Price To Earnings (Ex Neg.)	23.4	23.1	23.2	23.0	22.9	23.4	25.4	26.0	24.5
Price/Sales	2.2	2.2	2.2	2.2	2.1	2.3	2.6	2.7	2.7
Price/Cash Flow	13.0	12.9	12.9	12.7	12.7	13.0	14.3	15.0	14.7
EPS Growth (3-Y Historical)	15.8	15.6	15.6	15.5	15.5	15.3	15.6	16.8	16.5
Return on Equity	18.2	18.3	18.3	18.4	18.1	19.1	19.4	19.7	20.2
Dividend Yield	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.6	1.9

	The Hartford SMART529: Proposed Allocations								
	0-3	4-6	7-9	10-11	12-13	14-15	16	17	18+
Effective Duration	5.4	5.2	5.2	5.1	5.1	5.1	5.5	5.5	5.5
Yield to Maturity	2.7	2.0	1.8	1.8	1.8	1.8	1.9	1.9	1.9
Price/Book	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9
Price To Earnings (Ex Neg.)	25.0	25.1	25.0	24.9	25.0	24.9	25.0	25.0	24.9
Price/Sales	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Price/Cash Flow	14.0	14.0	14.0	13.9	14.0	13.9	14.0	13.9	13.9
EPS Growth (3-Y Historical)	19.8	19.9	19.8	19.8	19.8	19.8	19.8	19.7	19.9
Return on Equity	19.2	19.2	19.1	19.2	19.2	19.2	19.2	19.2	20.4
Dividend Yield	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6

	Change: Proposed vs. Current								
	0-3	4-6	7-9	10-11	12-13	14-15	16	17	18+
Effective Duration	0.2	1.5	0.8	0.8	0.5	0.6	0.6	0.6	0.6
Yield to Maturity	-0.8	0.0	-0.1	-0.1	-0.1	-0.3	-0.1	-0.1	-0.4
Price/Book	0.2	0.2	0.2	0.3	0.3	0.2	-0.1	-0.3	-0.2
Price To Earnings (Ex Neg.)	1.6	1.9	1.8	1.9	2.1	1.5	-0.3	-1.0	0.4
Price/Sales	0.1	0.1	0.1	0.1	0.2	0.0	-0.3	-0.4	-0.4
Price/Cash Flow	0.9	1.1	1.1	1.2	1.3	0.9	-0.3	-1.1	-0.8
EPS Growth (3-Y Historical)	4.1	4.3	4.2	4.3	4.3	4.5	4.2	2.9	3.4
Return on Equity	0.9	0.9	0.8	0.8	1.1	0.2	-0.2	-0.4	0.2
Dividend Yield	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.1	-0.2

Proposed Target allocations by age as of 12/31/20

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Glide Path Impact: The Hartford SMART529

- The reallocation proposal also considers and makes changes to the portfolios' equity step-downs as discussed at the December Board meeting, achieving a smoother glide path
- These changes should resonate positively with Morningstar, which is an input / consideration into our approach
- Within their 2020 529 Landscape paper, Morningstar states that they favor plans which “have steps that limit asset-allocation changes to about 10 percentage points or less at a time,” which is consistent with their past research

Current Age-Based Glide Path									
	0-3	4-6	7-9	10-11	12-13	14-15	16	17	18+
Equity % Weight	96%	84%	71%	61%	50%	41%	30%	20%	12%
Equity Step-down %	n/a	12%	13%	10%	11%	9%	11%	10%	8%

Proposed Age-Based Glide Path									
	0-3	4-6	7-9	10-11	12-13	14-15	16	17	18+
Equity % Weight	92%	82%	72%	62%	52%	42%	32%	22%	12%
Equity Step-down %	n/a	10%	10%	10%	10%	10%	10%	10%	10%

- As a result of the changes, equity step-downs have been smoothed so that each step-down does not exceed 10%
- These glide path changes also adhere to the conclusions of our research that a more equity-oriented glide path is most appropriate for the bulk of savers over the majority of market regimes during the accumulation phase

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Underlying Fund Expenses Impact: The Hartford SMART529¹

- From an expenses perspective, the proposed reallocations will result in fee reductions across most Age-Based and Static Portfolios; no portfolios will experience a fee increase
- The average expense reduction within these portfolios is 0.03%, or 5.1%

Estimated Underlying Fund Expenses by Portfolio ¹										
	0-3 / Agg. Growth	4-6 / Growth	7-9	10-11 / Balanced	12-13	14-15	16 / Cons Bal.	17	18+	Checks & Bal
Current Weighted Average Expenses ¹	0.60%	0.61%	0.60%	0.56%	0.54%	0.54%	0.34%	0.29%	0.25%	0.57%
Proposed Weighted Averaged Expenses ¹	0.59%	0.58%	0.56%	0.52%	0.49%	0.43%	0.34%	0.29%	0.24%	0.55%
Net Expense Impact of Proposed Reallocation ¹	(0.01%)	(0.03%)	(0.04%)	(0.04%)	(0.05%)	(0.11%)	0.00%	0.00%	(0.01%)	(0.02%)
% Change	(1.7%)	(4.9%)	(6.7%)	(7.1%)	(9.3%)	(20.4%)	0.00%	0.00%	(4.0%)	(3.5%)

¹ Expense data is rounded to the nearest basis point

Underlying Fund Expense Reduction History: The Hartford SMART529

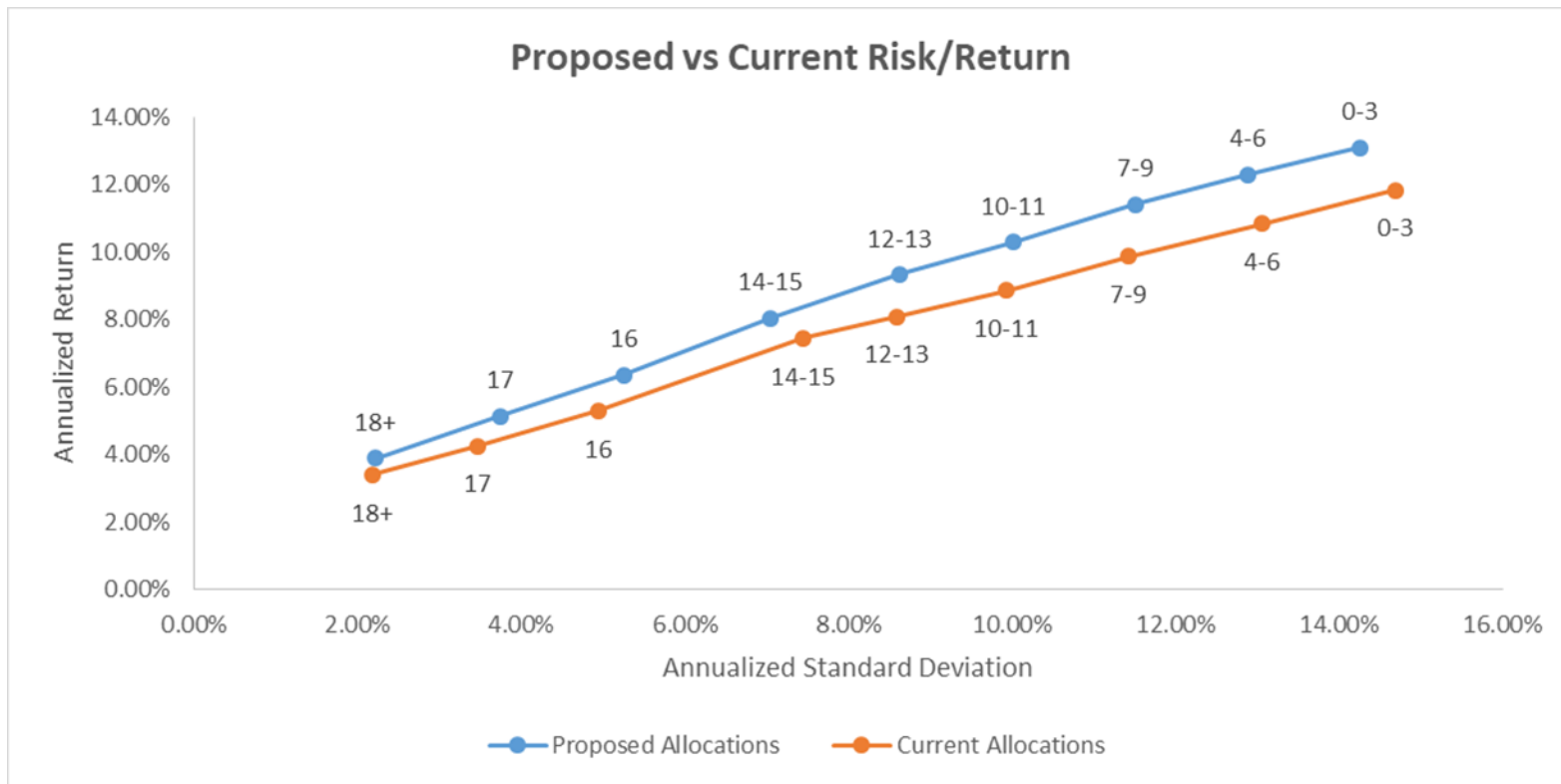
- These changes build upon our practice of continually seeking to lower expenses for plan participants
- Expenses have continued to be meaningfully reduced within The Hartford SMART529 Age-Based and Static Portfolios since the glide path enhancements in September 2017

Estimated Underlying Fund Expenses by Portfolio ¹										
	0-3 / Agg. Growth	4-6 / Growth	7-9	10-11 / Balance d	12-13	14-15	16 / Cons Bal.	17	18+	Checks & Bal
Expenses after Glide Path enhancements (Sept 2017)	0.71%	0.73%	0.72%	0.69%	0.68%	0.66%	0.50%	0.47%	0.43%	0.60%
Expenses w/ Stable Value Fee Reduction (May 2018)	0.70%	0.72%	0.71%	0.66%	0.64%	0.62%	0.39%	0.34%	0.28%	0.60%
Expenses w/ BlackRock and w/o Real Total Return (October 2018)	0.63%	0.63%	0.63%	0.60%	0.58%	0.57%	0.36%	0.31%	0.27%	0.61%
Expenses w/ Intl Small Company Fund Removal (Oct 2019)	0.60%	0.62%	0.62%	0.58%	0.57%	0.56%	0.35%	0.30%	0.26%	0.60%
Expenses w/ Quality Bond Fund Removal (April 2020)	0.60%	0.61%	0.60%	0.57%	0.54%	0.54%	0.34%	0.29%	0.25%	0.57%
Proposed Expenses with Reallocation Proposal	0.59%	0.58%	0.56%	0.52%	0.49%	0.43%	0.34%	0.29%	0.24%	0.55%
Total Net Impact	(0.12%)	(0.15%)	(0.16%)	(0.17%)	(0.19%)	(0.23%)	(0.16%)	(0.18%)	(0.19%)	(0.05%)
% Reduction Since Sept 2017	(16.9%)	(20.5%)	(22.2%)	(24.6%)	(27.9%)	(34.8%)	(32.0%)	(38.3%)	(44.2%)	(8.3%)

¹ Expense data is rounded to the nearest basis point

Potential for Improved Risk Adjusted Returns

Based on historical returns



Using five years of historic monthly returns from 12/31/15 – 12/31/20. Institutional track record used for Hartford Core Bond ETF.

- Timing and Implementation
 - This proposal seeks the Board's approval for these changes at the next Board meeting in June, allowing time for follow-up questions and for NEPC to fully evaluate the proposal
 - If approved, we would target implementation in early Q3 after providing notice to plan participants via a Supplement to the Offering Statement

SMART529 WV Direct: Reallocation Proposal

March 10, 2021

Overview

- In line with The Hartford SMART529, the WV Direct plan also uses a 9 age-band structure for its age-based portfolios
- In light of the proposed changes to the glide path of The Hartford SMART529, which are deemed best practices from our perspective, we have also reviewed allocations of the WV Direct Plan
- We are proposing allocation shifts to align the glide path and asset class exposures of the WV Direct and The Hartford SMART529 plans
- There are no underlying fund additions or removals as part of the proposal

SMART529 WV Direct Plan: Proposed Portfolio Changes

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- The portfolio construction process remains unchanged within our proposal
- The proposed allocations result in weighting changes among the existing underlying funds

WV Direct Reallocation Proposal												
Fund	Ticker	Net Expense Ratio	Asset Class	0-3 / Agg Growth	4-6 / Growth	7-9	10-11 / Balanced	12-13	14-15	16 / Cons. Balanced	17	18+
WV Direct: Current Allocations												
Vanguard Total Stock Market	VSMPX	0.02	US Equity	68.00	57.00	47.00	39.00	31.00	25.00	19.00	12.00	7.00
Vanguard Int'l Stock Market	VTSNX	0.08	International Equity	32.00	26.00	23.00	21.00	18.00	15.00	11.00	8.00	5.00
Vanguard Total Bond Market	VTBNX	0.02	Fixed Income	-	17.00	23.00	25.00	32.00	38.00	8.00	8.00	8.00
Vanguard TIPS	VIPIX	0.07	Fixed Income	-	-	7.00	7.00	9.00	10.00	7.00	7.00	5.00
Stable Value	n/a	0.13	Stable Value	-	-	-	8.00	10.00	12.00	55.00	65.00	75.00
Total				100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
WV Direct: Proposed Allocations												
Vanguard Total Stock Market	VSMPX	0.02	US Equity	62.75	56.00	49.00	42.25	35.50	28.50	21.75	15.00	8.25
Vanguard Int'l Stock Market	VTSNX	0.08	International Equity	29.25	26.00	23.00	19.75	16.50	13.50	10.25	7.00	3.75
Vanguard Total Bond Market	VTBNX	0.02	Fixed Income	8.00	12.50	19.00	20.50	24.50	22.50	11.00	11.00	11.00
Vanguard TIPS	VIPIX	0.07	Fixed Income	-	5.50	9.00	9.50	11.50	10.50	7.00	7.00	7.00
Stable Value	n/a	0.13	Stable Value	-	-	-	8.00	12.00	25.00	50.00	60.00	70.00
Total				100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Change: Current vs. Proposed												
Vanguard Total Stock Market	VSMPX	0.02	US Equity	(5.25)	(1.00)	2.00	3.25	4.50	3.50	2.75	3.00	1.25
Vanguard Int'l Stock Market	VTSNX	0.08	International Equity	(2.75)	-	-	(1.25)	(1.50)	(1.50)	(0.75)	(1.00)	(1.25)
Vanguard Total Bond Market	VTBNX	0.02	Fixed Income	8.00	(4.50)	(4.00)	(4.50)	(7.50)	(15.50)	3.00	3.00	3.00
Vanguard TIPS	VIPIX	0.07	Fixed Income	-	5.50	2.00	2.50	2.50	0.50	-	-	2.00
Stable Value	n/a	0.13	Stable Value	-	-	-	-	2.00	13.00	(5.00)	(5.00)	(5.00)
Total				-	-	-	-	-	-	-	-	-
Current Underlying Fund Expenses				0.04	0.04	0.04	0.04	0.05	0.05	0.09	0.10	0.11
Proposed Underlying Fund Expenses				0.04	0.04	0.04	0.05	0.05	0.06	0.08	0.09	0.10
% Change				0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	-0.01

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Glide Path Impact: WV Direct

- While Morningstar has not historically rated the WV Direct plan due to its size (limited by being available only to WV residents), we are seeking to apply a consistent glide path and asset allocation approach across the two plans
- Similar to The Hartford SMART529 glide path changes, this reallocation proposal achieves a smoother glide path

Current Age-Based Glide Path									
	0-3	4-6	7-9	10-11	12-13	14-15	16	17	18+
Equity % Weight	100%	83%	70%	60%	49%	40%	30%	20%	12%
Equity Step-down %	n/a	17%	13%	10%	11%	9%	10%	10%	8%

Proposed Age-Based Glide Path									
	0-3	4-6	7-9	10-11	12-13	14-15	16	17	18+
Equity % Weight	92%	82%	72%	62%	52%	42%	32%	22%	12%
Equity Step-down %	n/a	10%	10%	10%	10%	10%	10%	10%	10%

- As a result of the changes, the maximum equity step-down has been reduced to 10% for each age-band
- These glide path changes also adhere to the conclusions of our research that a more equity-oriented glide path is most appropriate for the bulk of savers over the majority of market regimes during the accumulation phase

Underlying Fund Expenses Impact: WV Direct

- From an expenses perspective, the proposed allocation changes will result in minor expense changes of 0.01% in several portfolios due to weighting adjustments among the fund line-up

Estimated Underlying Fund Expenses by Portfolio ¹									
	0-3 / Agg. Growth	4-6 / Growth	7-9	10-11 / Balanced	12-13	14-15	16 / Cons Bal.	17	18+
Current Weighted Average Expenses ¹	0.04%	0.04%	0.04%	0.04%	0.05%	0.05%	0.09%	0.10%	0.11%
Proposed Weighted Averaged Expenses ¹	0.04%	0.04%	0.04%	0.05%	0.05%	0.06%	0.08%	0.09%	0.10%
Net Expense Impact of Proposed Reallocation ¹	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	(0.01%)	(0.01%)	(0.01%)

¹ Expense data is rounded to the nearest basis point

- Timing and Implementation
 - Timing and implementation would follow the same proposed timing as the reallocation proposal within The Hartford SMART529: seek approval at the June Board meeting to allow time for any follow-up questions and evaluation
 - If approved, we would target implementation in early Q3 after providing notice to plan participants via a Supplement to the Offering Statement

Appendix

Summary / Recap of ETF Overview (presented at the December 2020 Board Meeting)

- Like mutual funds, ETFs are registered with the SEC under the Investment Company Act of 1940 and offer investors a way to pool their money in a fund
- ETFs are considered a different type of investment vehicle, or “wrapper;” asset managers can offer the same investment strategy in a mutual fund form or in an ETF form
- Since ETFs debuted in 1993, they have grown and continued to proliferate, with over 7,000 ETFs today representing ~\$6T in assets¹
- ETFs offer several features which differ from mutual funds, including intra-day liquidity and certain tax advantages, but these specific features are typically less relevant in a 529 plan (for example, 529 plan participants do not need intra-day liquidity for underlying investments because participants do not make frequent portfolio changes)
- As many ETFs represent strong investment strategies however, 529 plans include ETFs within their investment line-ups
- Examples of 529 plans which use ETFs include but are not limited to²: Arkansas’ iShares 529 plan (exclusively uses ETFs), Ohio’s CollegeAdvantage Advisor 529 Plan, Rhode Island’s CollegeBound 529 Plan, and South Carolina’s Future Scholar 529 College Savings Plan

Trading Considerations

- To accommodate ETF trading, a small (~20bps) cash position will be maintained in those portfolios that allocate to ETFs
- Hartford Funds’ Trading and Capital Markets team are focused on best trading practices. Examples include:
 - Trading with critical mass
 - Using the most cost effective trading quote (RFQ vs NAV trades)
 - Leveraging nBalance smart reallocations, but processing ETF trades manually
 - Tolerance bands for each fund that are scaled to maintain targets while being sensible about trading costs
 - Understanding the cadence of 529 plan cash flows

¹ Source: ETFGI; globally listed ETFs as of 12/31/2019

² Source: Plan websites and SavingForCollege.com (accessed January 2021)

▪ **Morningstar Analyst Rating Information:**

- Morningstar assigns medalist ratings “based on an analyst’s conviction in a fund’s ability to outperform its peer group and/or relevant benchmark on a risk-adjusted basis through a full market cycle of at least five years.”
- As “the number of funds that receive an Analyst rating is limited by the size of the Morningstar analyst team,” Morningstar has “developed a machine-learning model that uses the decision-making process of our analysts, their past ratings decisions, and the data used to support those decisions...to create the Morningstar Quantitative Rating for funds.”
- Quantitative Ratings are “analogous to the rating a Morningstar analyst might assign to the fund if an analyst covered the fund.”



Allison Mortensen, CFA
Hartford Funds
Head of Multi-Asset Solutions

Allison Mortensen is a multi-asset portfolio manager for Hartford Funds. She is responsible for the investment strategy and portfolio construction of the firm's asset allocation products including the College Savings 529 plans as well as Hartford Funds' series of Target Risk mutual funds.

Allison joined the company in 2015. She has nearly 25 years of institutional asset management experience, most recently as a senior portfolio manager for Aberdeen Asset Management, Inc. Before that, Allison served as vice president, director of quantitative research at Morgan Stanley Investment Management (formerly Miller, Anderson & Sherrerd). She has extensive experience in quantitative research, investment risk and manager due diligence.

Allison is a Chartered Financial Analyst (CFA) charterholder. She graduated magna cum laude from the University of Richmond where she received a bachelor of science degree in finance with a minor in computer science.



Jim Glendon, CFA
Hartford Funds
Assistant Portfolio Manager

Jim Glendon, CFA, is an Assistant Portfolio Manager for Hartford Funds. Jim is responsible for the investment management and portfolio construction of the firm's asset allocation products including the College Savings 529 plans as well as Hartford Funds' series of Target Risk mutual funds.

Jim joined the company in 2016. He has 10 years of investment experience, most recently as a Senior Analyst for FedEx Corporation's employee pension plan. In this role, Jim was responsible for asset allocation, manager oversight, and portfolio construction. His previously experience includes loan trading at Vining Sparks and institutional client relations at SouthernSun Asset Management, an equity investment management firm. In addition, Jim served on active duty in the United States Army.

Jim is a Chartered Financial Analyst (CFA) Charterholder. He graduated summa cum laude with a Bachelor's degree in Business Administration from Temple University and a Master of Science in Finance from Vanderbilt University.

SMART529

SMART529 is a program of the Board of Trustees of the West Virginia College Prepaid Tuition and Savings Program, State Treasurer Riley Moore, Chairman. The Board has selected Hartford Funds Management Company, LLC to provide management services for SMART529. Hartford Funds Distributors, LLC (“HFD”) is the principal underwriter and any structuring of municipal fund securities under the municipal securities laws are deemed to be performed by HFD. The SMART529 suite of college savings products includes The Hartford SMART529, SMART529 WV Direct and SMART529 Select.

Investments in SMART529 are not guaranteed or insured by the State of West Virginia, the Board of Trustees of the West Virginia College Prepaid Tuition and Savings Program, the West Virginia State Treasurer’s Office, Hartford Funds Management Company, LLC, The Hartford Financial Services Group, the investment sub-advisors for the Underlying Funds or any depository institution and are subject to investment risks, including the loss of the principal amount invested.

West Virginia offers special state tax incentives for West Virginia taxpayers that invest in SMART529. If you are a resident of a state other than West Virginia, before investing in SMART529, you should compare your own state’s qualified tuition program and any state tax or other advantages it may provide.

NEPC - John Krimmel will present an Oral Report on Hartford's
reallocation proposal.

Tab 7

Other Business