



# City of Santa Clara

## Meeting Agenda

### Deferred Compensation Committee

Monday, May 17, 2021

10:00 AM

Virtual Meeting  
1500 Warburton Avenue  
Santa Clara, CA 95050

Pursuant to the provisions of California Governor's Executive Order N-29-20, issued on March 17, 2020, to prevent the spread of COVID-19, Committee members will be attending the meeting remotely. The City of Santa Clara has implemented methods for the public to participate remotely via Zoom link or phone call in.

To join Zoom Meeting please use this URL to join.

<https://santaclaraca.zoom.us/j/93181205656?pwd=andiT1VGZDZXd0dDb1dJcVpY2dKZz09>

Meeting ID: 931 8120 5656

Passcode: 048012

#### **CALL TO ORDER AND ROLL CALL**

#### **CONSENT CALENDAR**

- 1a 21-538 [Action to Approve the Deferred Compensation Committee Meeting Minutes of February 16, 2021](#)

***Recommendation:*** Approve the Meeting Minutes of February 16, 2021.

#### **PUBLIC PRESENTATIONS**

#### **GENERAL BUSINESS**

- 2a 21-650 [Informational Report on First Quarter 2021 Performance](#)
- 2b 21-651 [Informational Report On First Quarter 2021 Performance and Quarterly Plan Review](#)
- 2c 21-652 [Action to Terminate the MFS International Intrinsic Value Fund and Replace with the Vanguard International Value Fund.](#)

***Recommendation:*** Approve the Replacement of the MFS International Intrinsic Value Fund with the Vanguard International Value Fund.

2d 21-703 [Annual Fiduciary Training](#)

**STAFF REPORT**

**COMMISSIONERS REPORT**

**ADJOURNMENT**

The time limit within which to commence any lawsuit or legal challenge to any quasi-adjudicative decision made by the City is governed by Section 1094.6 of the Code of Civil Procedure, unless a shorter limitation period is specified by any other provision. Under Section 1094.6, any lawsuit or legal challenge to any quasi-adjudicative decision made by the City must be filed no later than the 90th day following the date on which such decision becomes final. Any lawsuit or legal challenge, which is not filed within that 90-day period, will be barred. If a person wishes to challenge the nature of the above section in court, they may be limited to raising only those issues they or someone else raised at the meeting described in this notice, or in written correspondence delivered to the City of Santa Clara, at or prior to the meeting. In addition, judicial challenge may be limited or barred where the interested party has not sought and exhausted all available administrative remedies.

If a member of the public submits a speaker card for any agenda items, their name will appear in the Minutes. If no speaker card is submitted, the Minutes will reflect "Public Speaker."

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 ("ADA"), the City of Santa Clara will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs, or activities, and will ensure that all existing facilities will be made accessible to the maximum extent feasible. The City of Santa Clara will generally, upon request, provide appropriate aids and services leading to effective communication for qualified persons with disabilities including those with speech, hearing, or vision impairments so they can participate equally in the City's programs, services, and activities. The City of Santa Clara will make all reasonable modifications to policies and programs to ensure that people with disabilities have an equal opportunity to enjoy all of its programs, services, and activities.

Agendas and other written materials distributed during a public meeting that are public record will be made available by the City in an appropriate alternative format. Contact the City Clerk's Office at 1 408-615-2220 with your request for an alternative format copy of the agenda or other written materials.

Individuals who require an auxiliary aid or service for effective communication, or any other disability-related modification of policies or procedures, or other accommodation, in order to participate in a program, service, or activity of the City of Santa Clara, should contact the City's ADA Coordinator at 408-615-3000 as soon as possible but no later than 48 hours before the scheduled event.



# City of Santa Clara

1500 Warburton Avenue  
Santa Clara, CA 95050  
santaclaraca.gov  
@SantaClaraCity

## Agenda Report

---

21-538

Agenda Date: 5/17/2021

---

### REPORT TO DEFERRED COMPENSATION COMMITTEE

#### SUBJECT

Action to Approve the Deferred Compensation Committee Meeting Minutes of February 16, 2021

#### RECOMMENDATION

Approve the Meeting Minutes of February 16, 2021.



# City of Santa Clara

## Meeting Minutes

### Deferred Compensation Committee

02/16/2021

10:00 AM

Virtual Meeting  
1500 Warburton Avenue  
Santa Clara, CA 95050

Pursuant to the provisions of California Governor's Executive Order N-29-20, issued on March 17, 2020, to prevent the spread of COVID-19, Committee members will be attending the meeting remotely. The City of Santa Clara has implemented methods for the public to participate remotely via Zoom link or phone call in.

To join Zoom Meeting please use this URL to join.

<https://santaclaraca.zoom.us/j/97581598262?pwd=ekdTbzE0YkQxS2paRGJ2blhyNzRtUT09>

Meeting ID: 975 8159 8262

Passcode: 281323

#### **CALL TO ORDER AND ROLL CALL**

**Chair Lee called the Deferred Compensation Committee meeting to order at 10:09 AM**

**Present** 5 - Chair Kenn Lee, Member David Battagin, Member Cory Morgan, Member Steve Hance, and Member Kathy Bunce

#### **CONSENT CALENDAR**

- 1      [20-1232](#)      Action to Approve the Deferred Compensation Committee Meeting Minutes of November 19, 2020
- A motion was made by Committee Member Battigan, seconded by Committee Member Morgan, to move this item to later in the meeting so there are enough members for a quorum.**

Committee Member Hance joined the meeting at 10:13 AM.

**An amendment was made by Committee Member Hance, seconded by Committee Member Morgan, to approve the November 19, 2020 Deferred Compensation Committee Meeting Minutes.**

**Aye:** 3 - Chair Lee, Member Morgan, and Member Hance

**Abstained:** 2 - Member Battagin, and Member Bunce

### **PUBLIC PRESENTATIONS**

Greg Bych introduced Kathy Bunce as the new Deferred Compensation Committee Member.

### **GENERAL BUSINESS**

**2a**     [21-181](#)     Informational Report on Fourth Quarter 2020 Performance

An Informational Report on Fourth Quarter 2020 Performance was presented by Nationwide.

**2b**     [21-180](#)     Informational Report Regarding Fourth Quarter 2020 Performance and Quarterly Plan Review

An Informational Report Regarding Fourth Quarter 2020 Performance and Quarterly Plan Review was presented by the Hyas Group.

**2c**     [21-182](#)     Informational Report Regarding Mid-Cap Growth Fund Search Results

An Informational Report regarding Mid-Cap Growth Fund Search Results was presented by the Hyas Group.

**2d**     [21-205](#)     Action to Approve Change to Lower Cost Vanguard Institutional Share Class Target Date Funds

**A Motion was made by Committee Member Battigan, seconded by Committee Member Hance, to approve change to lower Cost Vanguard Institutional Share Class Target Date Funds.**

**Aye:** 5 - Chair Lee, Member Battagin, Member Morgan, Member Hance, and Member Bunce

### **STAFF REPORT**

**3**       [21-183](#)     Informational Report on Conflict of Interest (Form 700)

An Informational Report on Conflict of Interest (Form 700) was presented by City Attorney Sujata Reuter.

### **COMMITTEE MEMBERS REPORT**

None

**ADJOURNMENT**

The meeting was adjourned at 11:55 AM.

**A motion was made by Committee Member Hance, seconded by Committee Member Bunce, to adjourn the Deferred Compensation Committee Meeting.**

**Present** 5 - Chair Kenn Lee, Member David Battagin, Member Cory Morgan, Member Steve Hance, and Member Kathy Bunce

The time limit within which to commence any lawsuit or legal challenge to any quasi-adjudicative decision made by the City is governed by Section 1094.6 of the Code of Civil Procedure, unless a shorter limitation period is specified by any other provision. Under Section 1094.6, any lawsuit or legal challenge to any quasi-adjudicative decision made by the City must be filed no later than the 90th day following the date on which such decision becomes final. Any lawsuit or legal challenge, which is not filed within that 90-day period, will be barred. If a person wishes to challenge the nature of the above section in court, they may be limited to raising only those issues they or someone else raised at the meeting described in this notice, or in written correspondence delivered to the City of Santa Clara, at or prior to the meeting. In addition, judicial challenge may be limited or barred where the interested party has not sought and exhausted all available administrative remedies.

If a member of the public submits a speaker card for any agenda items, their name will appear in the Minutes. If no speaker card is submitted, the Minutes will reflect "Public Speaker."

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 ("ADA"), the City of Santa Clara will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs, or activities, and will ensure that all existing facilities will be made accessible to the maximum extent feasible. The City of Santa Clara will generally, upon request, provide appropriate aids and services leading to effective communication for qualified persons with disabilities including those with speech, hearing, or vision impairments so they can participate equally in the City's programs, services, and activities. The City of Santa Clara will make all reasonable modifications to policies and programs to ensure that people with disabilities have an equal opportunity to enjoy all of its programs, services, and activities.

Agendas and other written materials distributed during a public meeting that are public record will be made available by the City in an appropriate alternative format. Contact the City Clerk's Office at 1 408-615-2220 with your request for an alternative format copy of the agenda or other written materials.

Individuals who require an auxiliary aid or service for effective communication, or any other disability-related modification of policies or procedures, or other accommodation, in order to participate in a program, service, or activity of the City of Santa Clara, should contact the City's ADA Coordinator at 408-615-3000 as soon as possible but no later than 48 hours before the scheduled event.





# City of Santa Clara

1500 Warburton Avenue  
Santa Clara, CA 95050  
santaclaraca.gov  
@SantaClaraCity

## Agenda Report

---

21-650

Agenda Date: 5/17/2021

---

### REPORT TO DEFERRED COMPENSATION COMMITTEE

#### SUBJECT

Informational Report on First Quarter 2021 Performance

#### DISCUSSION

This is an informational report from the Plan recordkeeper, Nationwide, to the Committee on the City's plan review. This report will be presented by Nationwide and will cover the following topics: a) Quarterly Informational Report, b) Digital Website Updates, and c) Virtual Webinars.

This is an informational report, no action is to be taken by the Committee.

1. Nationwide - City of Santa Clara Plan Health Report 03-31-21
2. Nationwide - Digital Website Updates
3. Nationwide - List of First Quarter Virtual Webinars

# PLAN HEALTH REPORT

CITY OF SANTA CLARA

as of 03/31/2021



# WELCOME

We value your partnership and the opportunity to offer a competitive, effective retirement plan to your participants. Through diligent work and thought leadership, we'll help you grow your plan and help your participants prepare for and live in retirement. This report includes balance information, participant demographics, contribution highlights and retirement readiness numbers. Together, we can use this information to help your participants achieve greater financial wellness.

Our goal is to help you objectively evaluate your Plan's performance and how it performs against other plans like yours. Since Nationwide Retirement Solutions is one of the largest retirement plan providers in the industry, we are uniquely positioned to compare your Plan to many others of similar asset size. By comparing the current year information to previous years, you can see how your Plan is performing, where your educational efforts are working and what areas offer opportunities for improvement. The "Peer Group" comparisons used in this report are based on cases with assets of: \$100 million - \$1 billion.

Thank you for your valued business. We look forward to helping improve retirement readiness for your participants.

## TABLE OF CONTENTS

Welcome		2
Executive summary		3
Participant demographics		5
Contributions & investments		7
Retirement readiness		9
Assets & fund details		10
Balance details		13
Opportunities		17

Retirement Specialists are registered representatives of Nationwide Investment Services Corporation, member FINRA. The information they provide is for educational purposes only and is not legal, tax or investment advice.

Nationwide, the Nationwide N and Eagle, and Nationwide is on your side are service marks of Nationwide Mutual Insurance Company.

Nationwide Retirement Solutions, Inc. and Nationwide Life Insurance Company (collectively "Nationwide") have endorsement relationships with the National Association of Counties, the International Association of Fire Fighters-Financial Corporation and the National Association of Police Organizations. More information about the endorsement relationships may be found online at [www.nrsforu.com](http://www.nrsforu.com).



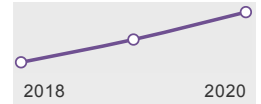
## Quick plan facts

(as of 03/31/2021)

Metric	Current value	%Change from last quarter	%Change from last year
Participant Core Assets	\$209,320,874	3.00%	36.00%
Total Participant Count	1,309	-0.23%	0.93%
Total New Enrollments YTD Count	13	-77.59%	-58.06%
Total Deferrals YTD	\$3,279,545	-69.00%	8.00%
Total Rollovers-In YTD	\$651,272	-87.00%	-58.00%
ProAccount Participant Count	159	0.63%	16.06%
ProAccount Assets	\$18,418,804	8.00%	115.00%

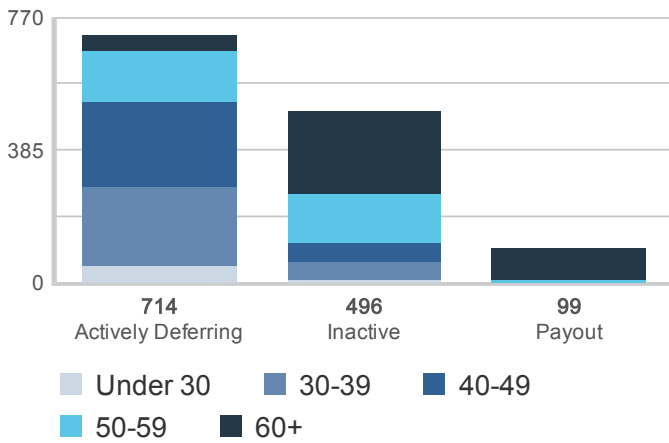
## 457 Plan Summary

**\$ TOTAL PARTICIPANT ACCOUNT BALANCE**  
(as of 03/31/2021)  
**\$220,542,028**



### How many are participating?

**ENROLLED PARTICIPANTS**  
(as of 03/31/2021)  
**1,309**

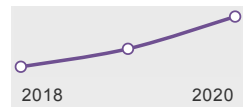


**NEW ENROLLMENTS**  
(Calendar year to date)  
**13**

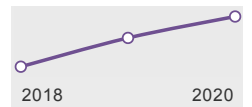
### How are they saving & investing?

**WHAT YOUR PARTICIPANTS ARE CONTRIBUTING**  
(as of 03/31/2021)

**AVERAGE ACCOUNT BALANCE**  
**\$159,888**



**AVERAGE CONTRIBUTION**  
**\$384**



### How many participants are prepared for retirement

**Online engagement**  
(as of 03/31/2021)

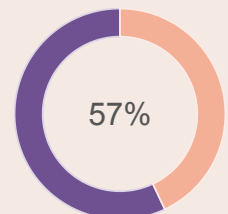
TOTAL ENROLLED PARTICIPANTS  
**1,309**

ENROLLED PARTICIPANTS WITH AN ONLINE ACCOUNT  
**912**

**Retirement readiness**  
(as of 03/31/2021)

PARTICIPANTS WITH A RETIREMENT GOAL  
**432**

PARTICIPANTS 'ON TRACK' FOR RETIREMENT



# PARTICIPANT DEMOGRAPHICS

## How participants are engaged in the plan



ENROLLED PARTICIPANTS <sup>1</sup>  
(as of 03/31/2021)

1,309



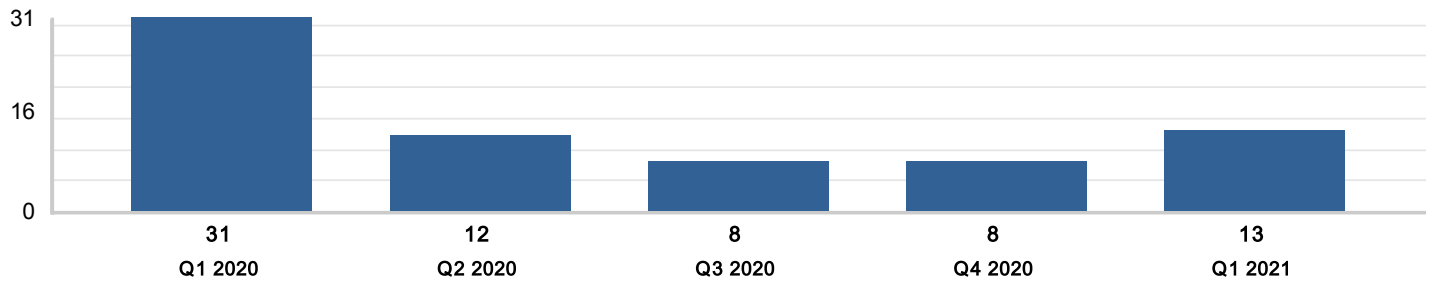
NEW ENROLLMENTS <sup>2</sup>  
(Calendar year to date)

13

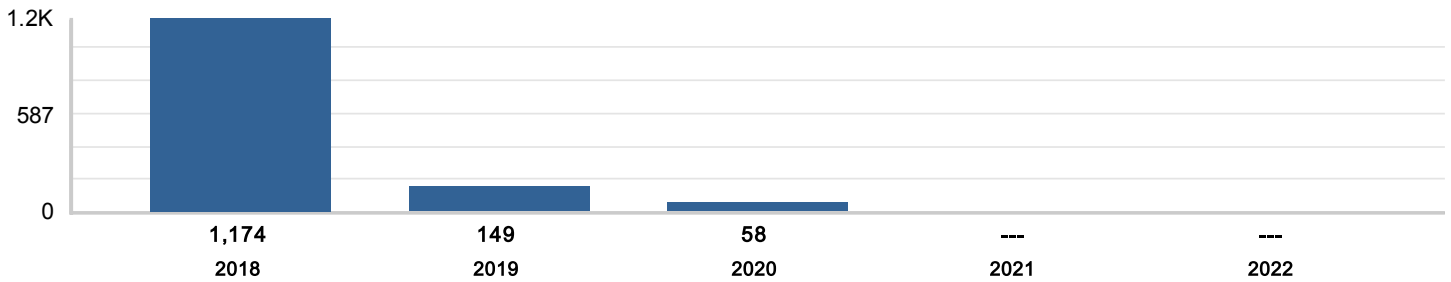
ONLINE ENROLLMENTS <sup>3</sup>  
(Calendar year to date)

13 out of 13

### ENROLLMENT TRENDS (BY QUARTER) <sup>4</sup>



### ENROLLMENT TRENDS (BY YEAR) <sup>4</sup>



<sup>1</sup> Total number of enrolled participants in this plan.

<sup>2</sup> Participants who open and close their account within the calendar year, will not be counted in year-to-date enrollment numbers.

<sup>3</sup> The number of online enrollments out of new enrollments.

<sup>4</sup> Total number of participants enrolled by quarter or by year.

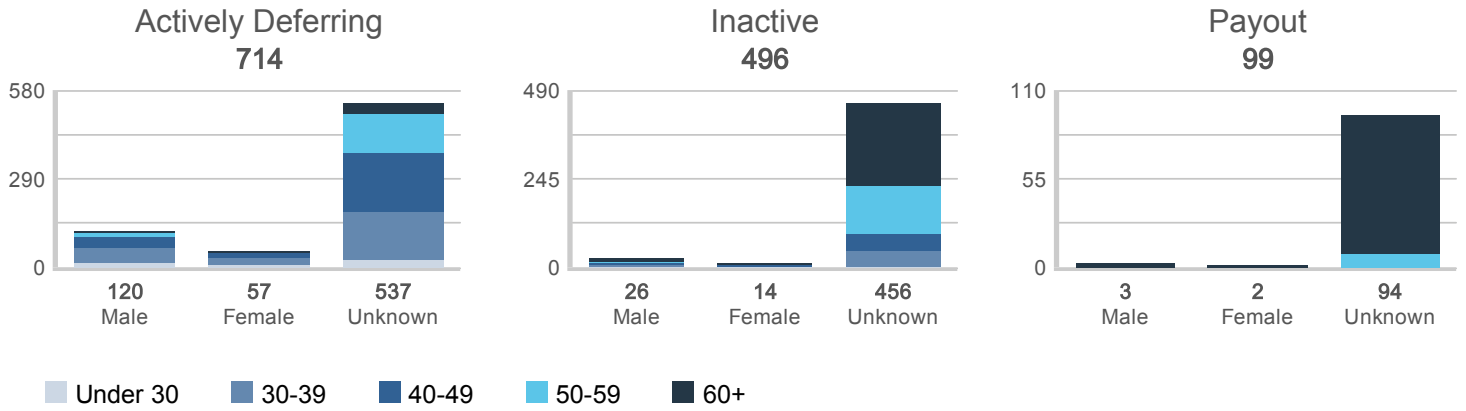
# PARTICIPANT DEMOGRAPHICS

## How participants are engaged in the plan



### Enrolled participant data<sup>5</sup>

(as of 03/31/2021)



### Actively Deferring 714

### Inactive 496

### Payout 99

	Actively Deferring (714)			Inactive (496)			Payout (99)		
	Male	Female	Unknown	Male	Female	Unknown	Male	Female	Unknown
Under 30	15	9	25	3	1	4	0	0	0
30 - 39	51	20	157	6	4	40	0	0	0
40 - 49	32	20	192	3	3	53	0	0	0
50 - 59	18	7	127	3	4	131	0	0	8
60+	4	1	36	11	2	228	3	2	86

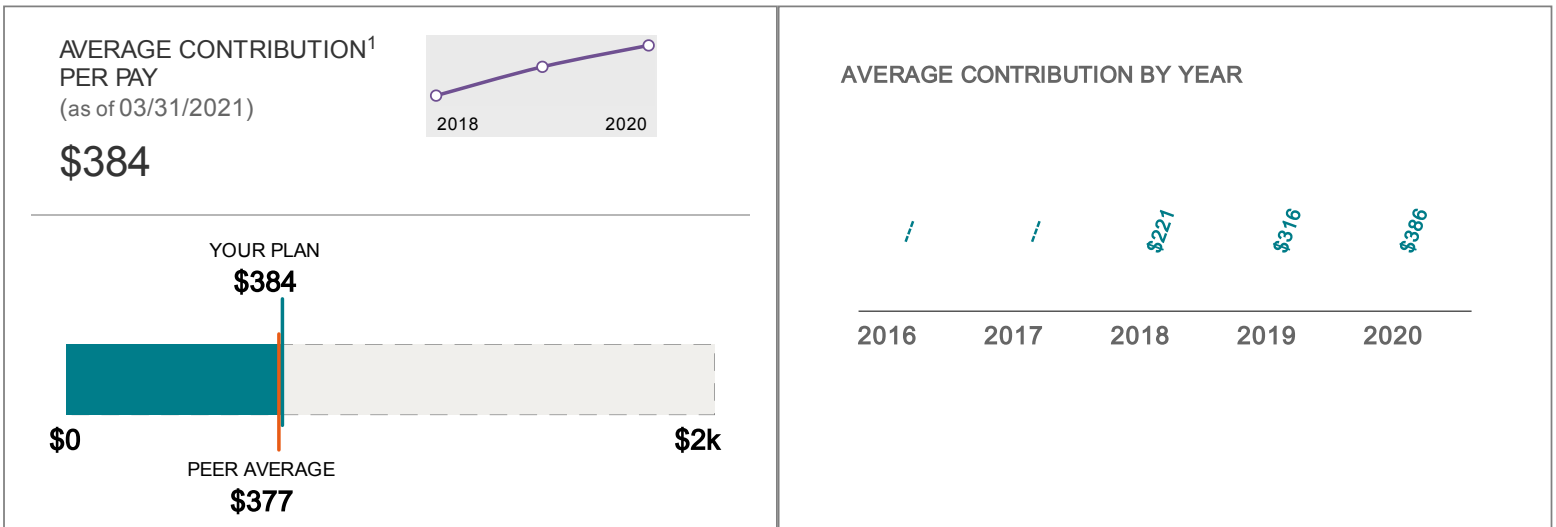
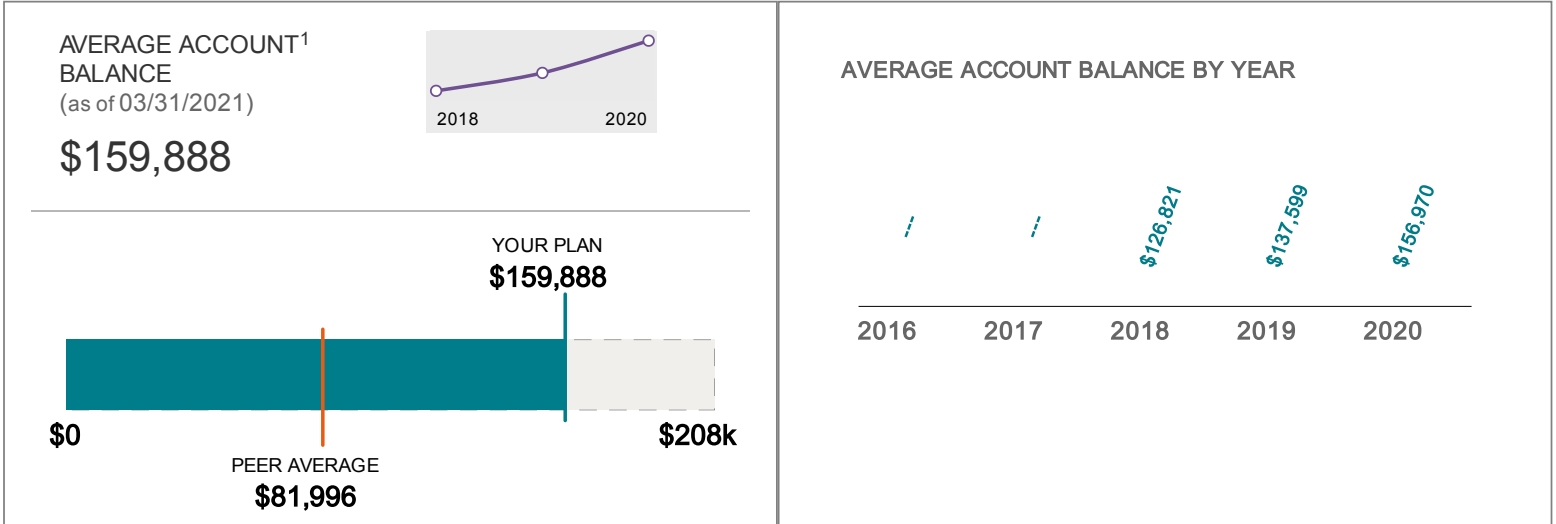
<sup>5</sup> Actively deferring - Participants with a balance, a contribution in the past 30 days and a status of employed.

Inactive - Participants with a balance, no contribution in the past 30 days and no status of payout.

Payout - Participants with a balance and a status of payout.

# CONTRIBUTIONS & INVESTMENTS

## What your participants are contributing



## Balances & contributions by age & gender

(as of 03/31/2021)

	Average account balance			Average annualized contributions		
	Male	Female	Unknown	Male	Female	Unknown
Under 30	\$18,933	\$25,621	\$37,374	\$8,862	\$10,639	\$10,442
30 - 39	\$26,863	\$39,154	\$92,780	\$10,652	\$8,105	\$12,009
40 - 49	\$52,198	\$41,335	\$148,879	\$14,745	\$8,841	\$10,695
50 - 59	\$140,235	\$177,408	\$228,313	\$14,355	\$38,793	\$14,826
60+	\$157,912	\$196,816	\$223,486	\$8,788	\$217	\$3,404

<sup>1</sup>A peer group consists of NRS plans with similar assets. This peer group comparison includes cases with \$100 million - \$1 billion.



# CONTRIBUTION & INVESTMENTS

## What your participants are contributing

**7%** PARTICIPANTS WITH INCREASED CONTRIBUTIONS  
(Calendar year to date)

**4%** PARTICIPANTS WITH AUTOMATIC CONTRIBUTION INCREASE  
(Calendar year to date)

### 2021 IRS limits

Regular Limit \$19,500

50+ Catch Up \$6,500

3-Year Catch Up \$19,500

## How your participants are invested

### ASSET ALLOCATION <sup>1</sup> (as of 03/31/2021)

#### NUMBER OF ASSET CLASSES

1	21.2%
2	6.0%
3	5.0%
4	6.3%
5+	61.3%



### ASSET DIVERSIFICATION <sup>2</sup> (as of 03/31/2021)

#### AVG. # ASSET CLASSES

4.5

#### PEER GROUP

4.5

#### RECOMMENDED

5



### ProAccount

(as of 03/31/2021)

#### TOTAL PROACCOUNT BALANCE

**\$18,418,804**

#### PARTICIPANTS WITH PROACCOUNT

**159**

*out of 1,309 total enrolled participants*

#### AVG ACCOUNT BALANCE WITH PROACCOUNT

**\$115,842**



### Schwab Personal Choice Retirement Account

(as of 03/31/2021)

#### Number of accounts

43

#### Balance

\$9,119,991

<sup>1</sup> Percentage of participants by number of investment classes.

<sup>2</sup> Average number of asset classes - Average number of asset classes in which participants are invested.

Peer group - Average number of asset classes in which this peer group (cases with \$100 million - \$1 billion) is invested.

Recommended number of asset classes - The number of asset classes in which a participant should be invested for ideal diversification.

## How many participants are prepared for retirement



### Online engagement

(as of 03/31/2021)

TOTAL ENROLLED PARTICIPANTS

1,309

ENROLLED PARTICIPANTS WITH AN ONLINE ACCOUNT

912



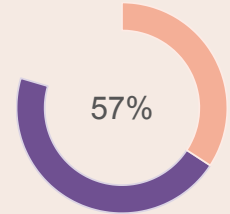
### Retirement readiness

(as of 03/31/2021)

PARTICIPANTS WITH A RETIREMENT GOAL <sup>1</sup>

432

PARTICIPANTS 'ON TRACK' FOR RETIREMENT <sup>2</sup>

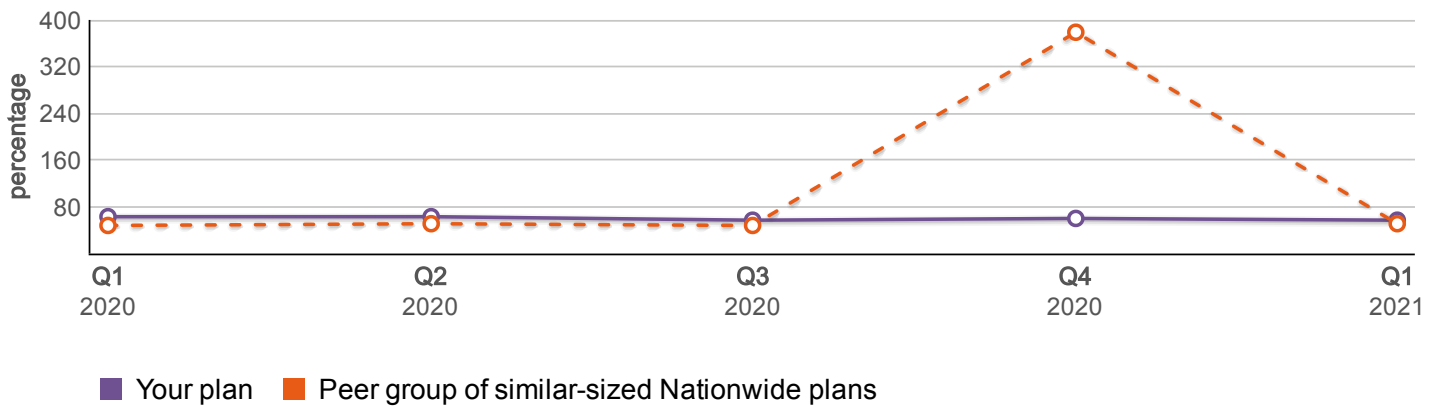


Participants who actively review their online account and use their retirement outlook tools are 4 times more likely to take action and save more for retirement.



## Peer comparison

### Retirement readiness peer comparison



NRM-17390AO

<sup>1</sup> Participants with a retirement goal from My Interactive Retirement Planner®.

<sup>2</sup> Participants with a retirement goal from My Interactive Retirement Planner® and a retirement readiness score of "on track" (.915 or higher).

## \$ Asset class totals

Asset class	2019	2020	2021 YTD	% of total
Mid cap	\$13,890,427.63	\$13,797,622.93	\$14,898,933.44	6.8%
Large cap	\$47,604,650.58	\$57,744,853.25	\$61,307,889.30	27.8%
Bonds	\$5,850,344.41	\$8,239,252.04	\$7,680,237.95	3.5%
SDO	\$5,115,994.48	\$8,348,193.81	\$9,119,990.63	4.1%
Loan	\$1,300,959.43	\$2,075,410.76	\$2,101,163.48	1.0%
Asset allocation	\$30,008,815.39	\$34,917,001.85	\$35,981,226.41	16.3%
International	\$11,694,002.69	\$17,376,816.67	\$18,060,095.79	8.2%
Small cap	\$6,991,788.61	\$8,317,744.11	\$9,865,374.21	4.5%
Fixed assets and cash	\$58,372,921.39	\$63,318,411.32	\$61,527,116.61	27.9%
<b>Total</b>	<b>\$180,829,904.61</b>	<b>\$214,135,306.74</b>	<b>\$220,542,027.82</b>	<b>100%</b>

 Total contributions by asset class

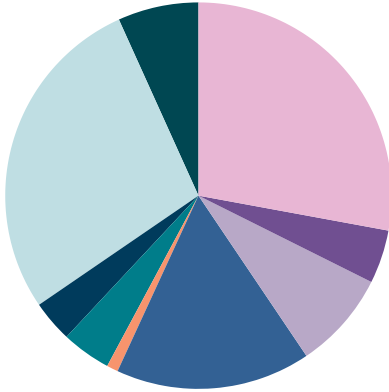
Asset class	2019	2020	2021 YTD	% of total
Mid cap	\$919,299.85	\$966,928.67	\$166,147.30	4.5%
Large cap	\$2,774,174.27	\$2,954,615.23	\$744,994.71	20.2%
Bonds	\$451,277.82	\$625,691.28	\$119,739.18	3.2%
Asset allocation	\$3,894,044.79	\$5,696,615.26	\$901,344.82	24.4%
International	\$893,203.89	\$1,040,851.35	\$291,949.07	7.9%
Small cap	\$697,826.81	\$549,936.19	\$178,482.72	4.8%
Fixed assets and cash	\$2,472,137.00	\$2,603,343.75	\$1,286,794.79	34.9%
<b>Total</b>	<b>\$12,101,964.43</b>	<b>\$14,437,981.73</b>	<b>\$3,689,452.59</b>	<b>100%</b>

2021



## Asset allocation

(as of 03/31/2021)



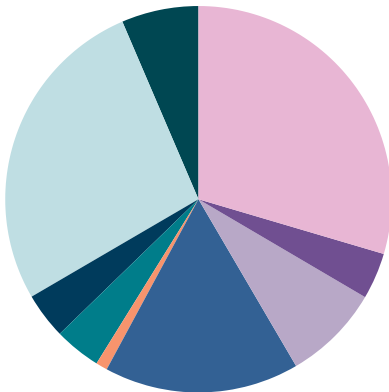
ASSET CLASS	YOUR PLAN	PEER GROUP	DIFFERENCE
Mid cap	6.8%	5.8%	0.9% ●
Large cap	27.8%	19.6%	8.2% ●
Balanced	0.0%	1.6%	0.0%
Bonds	3.5%	4.0%	-0.5% ●
Short term	0.0%	2.1%	0.0%
SDO	4.1%	0.1%	4.1% ●
Specialty	0.0%	0.6%	0.0%
Loan	1.0%	0.0%	0.9% ●
Asset allocation	16.3%	11.5%	4.8% ●
International	8.2%	5.6%	2.6% ●
Small cap	4.5%	3.2%	1.2% ●
Fixed assets and cash	27.9%	45.8%	-17.9% ●

2020



## Asset allocation

(as of 12/31/2020)



ASSET CLASS	YOUR PLAN	PEER GROUP	DIFFERENCE
Mid cap	6.4%	5.5%	1.0% ●
Large cap	27.0%	19.7%	7.3% ●
Balanced	0.0%	1.6%	0.0%
Bonds	3.8%	4.2%	-0.4% ●
Short term	0.0%	2.1%	0.0%
SDO	3.9%	0.1%	3.8% ●
Specialty	0.0%	0.6%	0.0%
Loan	1.0%	0.0%	0.9% ●
Asset allocation	16.3%	12.9%	3.4% ●
International	8.1%	5.6%	2.5% ●
Small cap	3.9%	3.2%	0.7% ●
Fixed assets and cash	29.6%	44.6%	-15.0% ●

# BALANCE DETAILS



## Total account balance

(as of 03/31/2021)

Money source	Current value
<b>Participant assets</b>	<b>\$220,542,027.82</b>
Rollover Repayment Event Related	\$29,455.89
Salary Reduction	\$192,343,649.41
Rollover (Pre-Tax)	\$9,444,148.17
Rollover 457	\$4,666,076.16
Roth Contribution	\$1,767,376.11
Roth Rollover	\$51,230.41
Roth Rollover 457	\$14,941.33
Salary Reduction IRR	\$292,080.28
Employer Discretionary Account	\$711,915.95
Loan balance	\$2,101,163.48
SDO balance	\$9,119,990.63
<b>Total plan assets</b>	<b>\$220,542,027.82</b>

# BALANCE DETAILS



## Loan Details

(as of 03/31/2021)

Loan type	Number of loans	Principal value
<b>Active loans</b>		
General purpose loan	79	\$1,842,144.80
Primary residence loan	8	\$235,655.39
<b>Defaulted loans*</b>		
General purpose loan	2	\$23,363.29
<b>Total</b>	<b>89</b>	<b>\$2,101,163.48</b>

\* Default amounts are included in Beginning and Ending Balance



## Contributions and transfers/rollovers-in

(as of 03/31/2021)

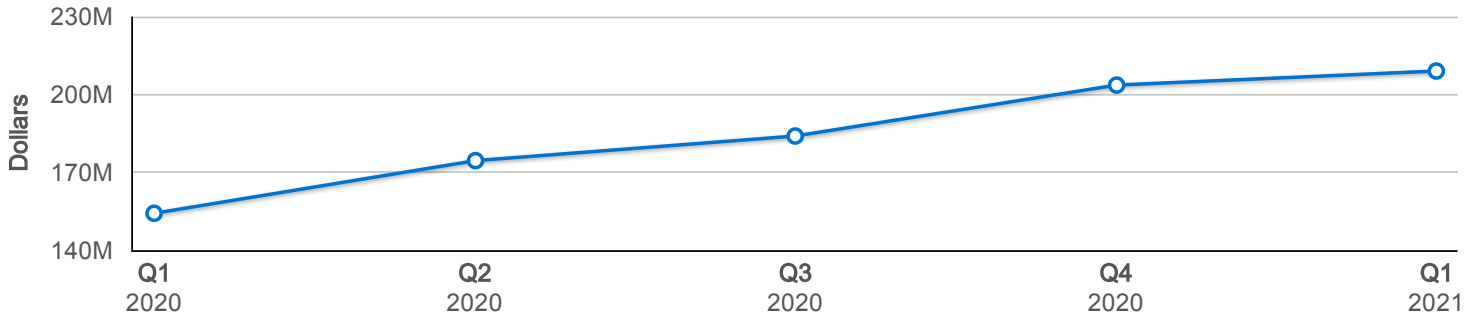
Type	Year to date
Contributions	\$3,279,544.58
Transfers/Rollovers-In	\$409,908.01
<b>Total</b>	<b>\$3,689,452.59</b>



## Balance activity by quarter

Change in balance from last quarter

▲ 2.8%  
FROM LAST QUARTER



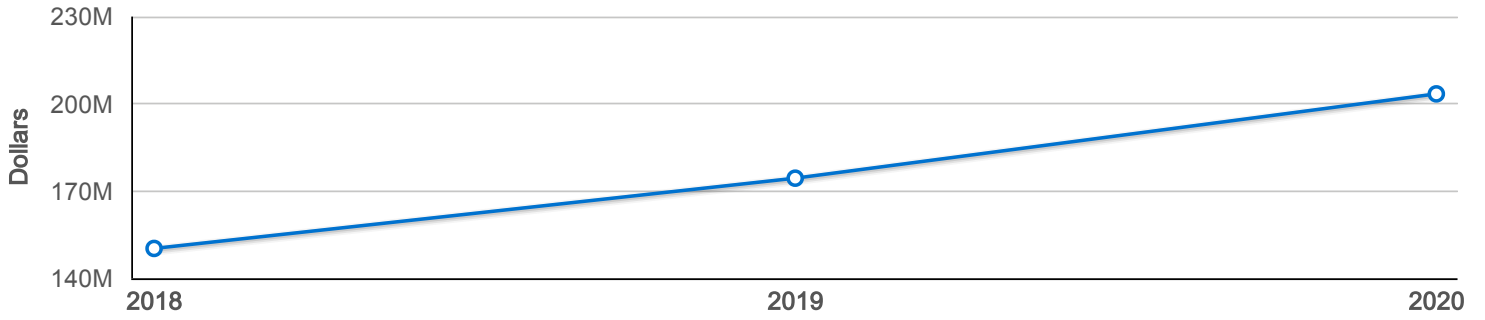




## Balance activity by year

Change in balance from last year

▲ 16.8%  
FROM LAST YEAR



	2016	2017	2018	2019	2020
Total balance	---	---	\$150,093,202.91	\$174,412,950.70	\$203,711,702.17

## Top opportunities to improve plan health

- ✓ **Encourage enrollment**  
Are you happy with your participation rate? Schedule an enrollment workshop today
- ✓ **Suggest online account usage**  
Those who engage in their online account are 4x more likely to save more for retirement
- ✓ **Propose contribution increases**  
Anything can help. Talk with your participants about the benefits of saving now for a better tomorrow
- ✓ **Discuss the benefits of Nationwide ProAccount**  
How participants are invested can play a big role in their retirement health

## Additional opportunities

### How participants are engaged in the plan

- ✓ **Are your participants in the correct status based on their age?**  
Check in with participants who may not be in the correct status.

### What your participants are contributing

- ✓ **Starting to save early is one of the best ways to prepare for retirement.**  
Contact your Nationwide representative to schedule a workshop with your participants under the age of 30 to help them understand the benefits of saving more now.
- ✓ **Are your female participants actively contributing?**  
Host a workshop for women eligible and enrolled in your plan. Nationwide's Women & Investing tools can help.
- ✓ **Incremental increases can go a long way.**  
Let your participants know how having an automatic annual contribution increase can help them reach their retirement goal.
- ✓ **Work with your Nationwide Retirement Specialist to help manage your loans.**
- ✓ **Are those closer to retirement aware of catch-up contributions?**  
Let your participants know that catch-up contributions may help them reach their goal.

### How your participants are invested

- ✓ **Are participants diversified enough?**  
Call your Nationwide retirement specialist and discuss your participants' asset diversification.

### How many participants are prepared for retirement

- ✓ **How many participants are getting close to retirement?**  
Talk with your participants about which payout strategies may benefit them the most.

# Nationwide Digital Transformation

April 2021



**Nationwide<sup>®</sup>**  
is on your side



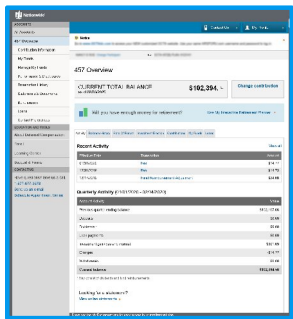


# Digital Transformation & Self-Service

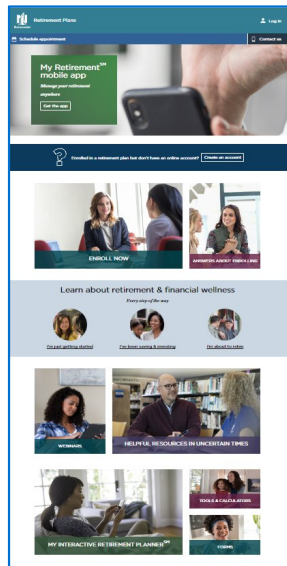
## Web Experience

# Participant Website Redesign & Self-Service Enhancements 2020-2021

## Current

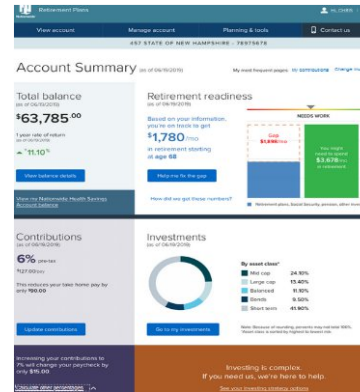


## Pre-Login

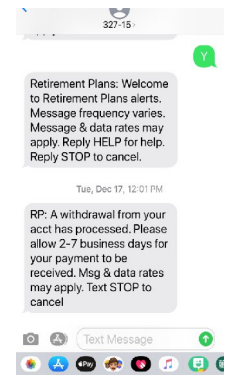
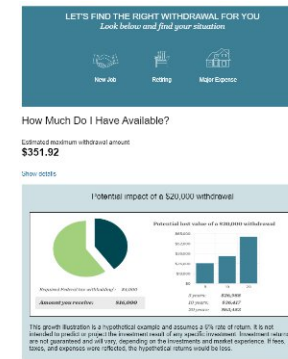


## Post-Login >>

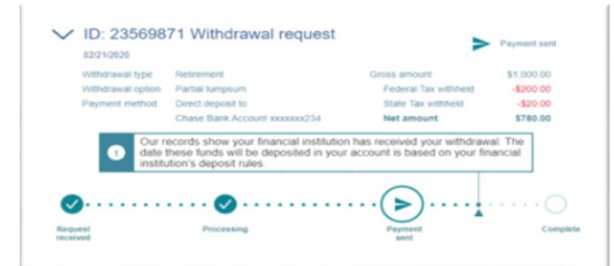
### Acct Summary



## Online Withdrawals & Alerts

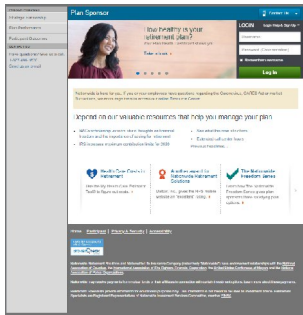


## Withdrawal Status Tracker

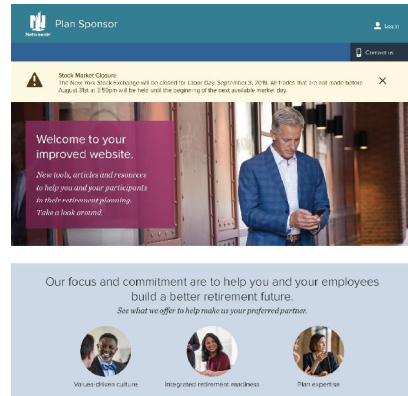


# Plan Sponsor Website Redesign & Self-Service Enhancements 2020-2021

## Current

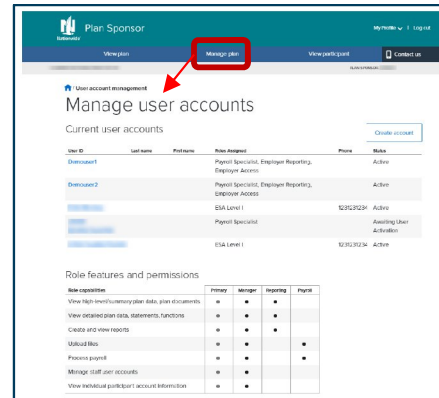


## Pre-Login

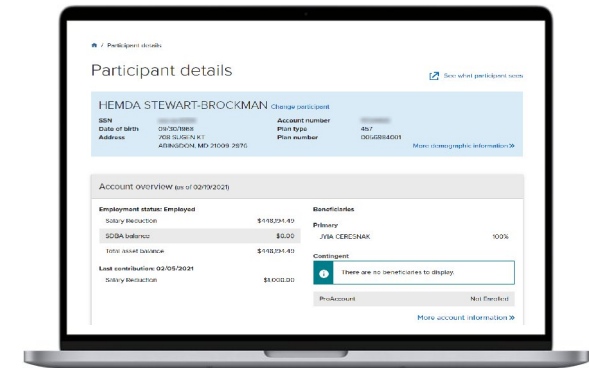


## Post-Login >>

### User Account Management



### Participant List & Details Enhanced Search



Live on 4/26!



# Advancing Participant and Plan Sponsor Experiences – What's Next in 2021?

## PARTICIPANT Experience Enhancements

- Website redesign continued enabling new self-service options
  - Additional Participant Alerts (slide 5)
  - Online Withdrawals initiation of Unforeseeable Emergencies, Financial Hardships & Rollovers
  - On-Demand Statements
- My Retirement Mobile App enhancements
- Statement Redesign (slide 6)

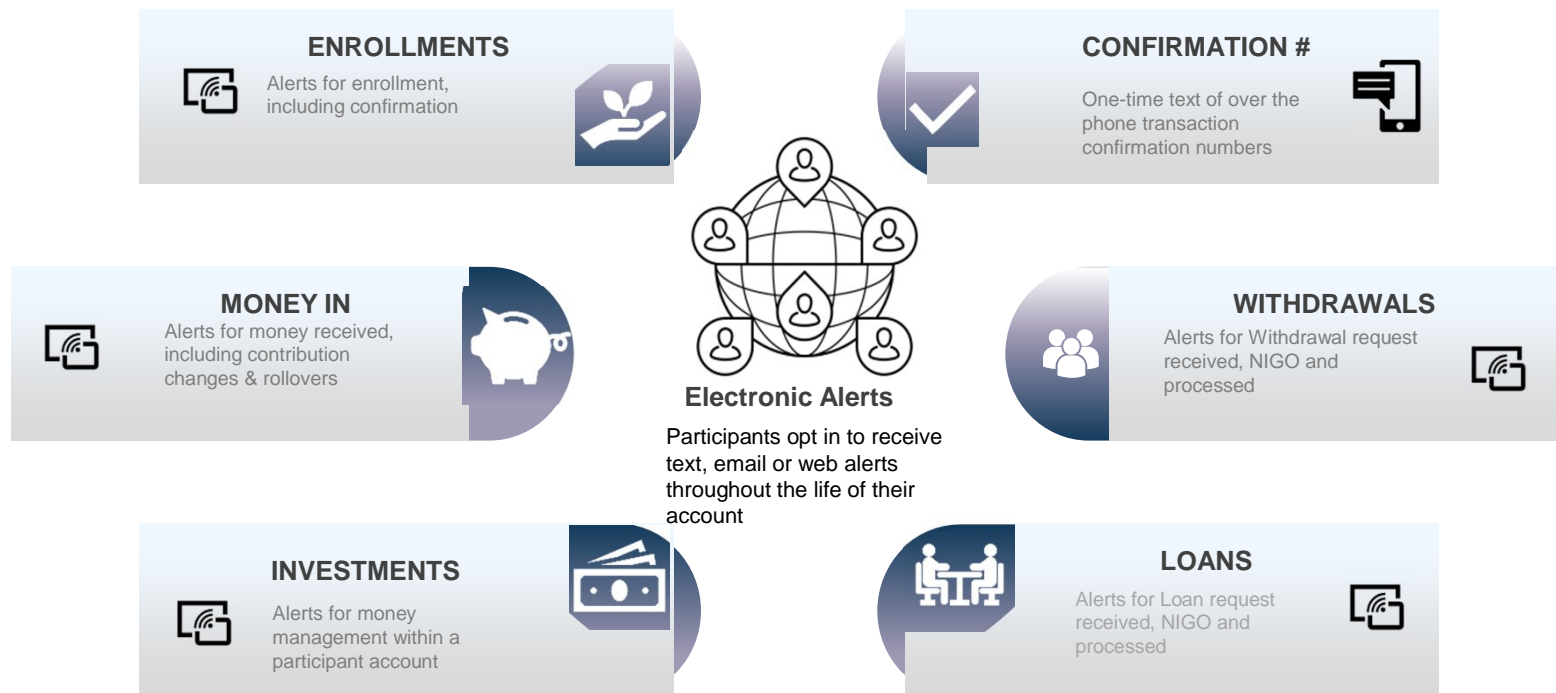
## PLAN SPONSOR Experience Enhancements

- Plan sponsor website redesign enabling more self-service options
  - Participant List & Details Search (slide 7)
  - Task Center
  - Resource Center



*\*2021 targets only*

# Participant Alerts Roadmap



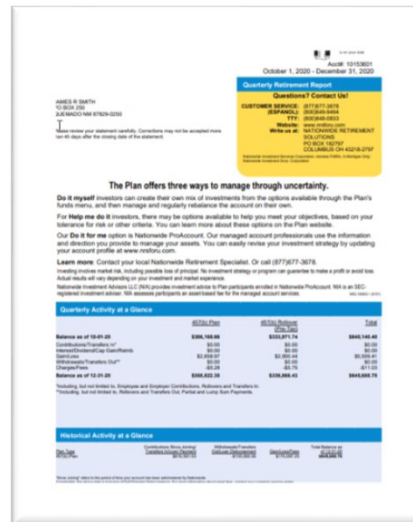
*\*targets only*



# Participant Statement Redesign

## Summary of Changes

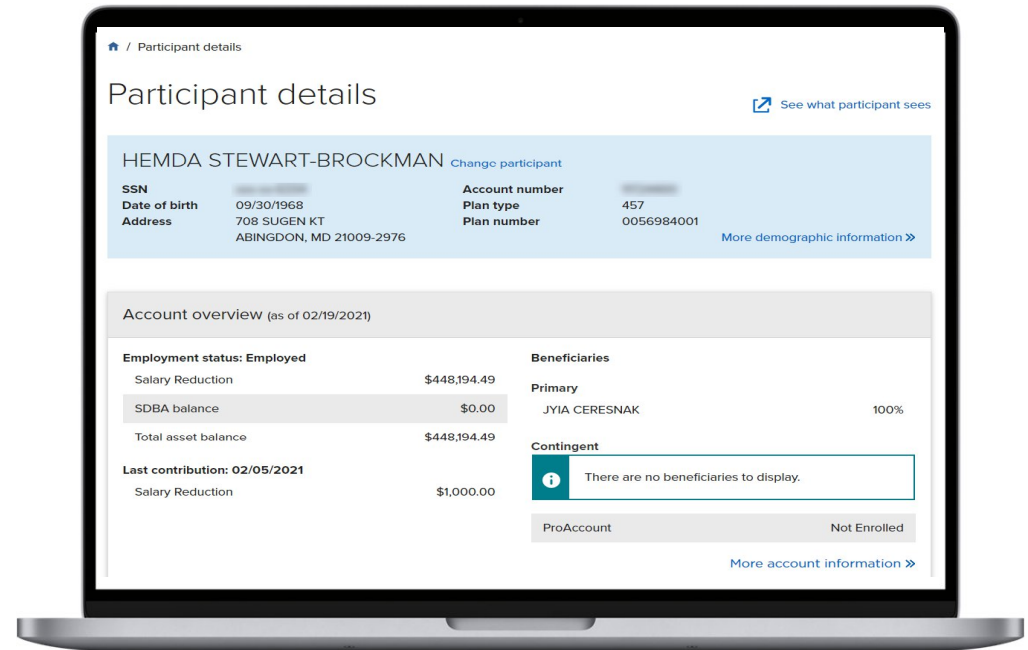
- A redesigned participant statement that quickly and easily answers the questions:
  - How is my account performing?
  - Am I on track for retirement?
- New data visualizations utilizing full color graphics
- Plan customization that provides the ability to turn sections on and off and utilize custom labeling
- Greater self-service for the participant that allows for on-demand statements on the website



# Plan Sponsor Participant List & Detail Search – Live on 4/26!

## Quick access to help you manage important participant account details

- A full participant list with employment status filter
- Provides an enhanced search feature and additional view to see and edit in depth details on participants
- Can be restricted for secondary users
- Users can continue to “see what participant sees”



# Thank you!



**Nationwide<sup>®</sup>**  
is on your side

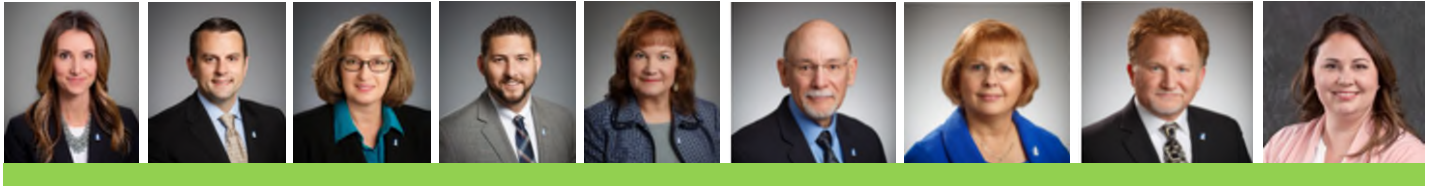


# New Retirement Workshops!

February 18<sup>th</sup> – March 25<sup>th</sup>

Nationwide's local online workshops are back! Register for the following 30 minute online workshops to learn more about managing your money and planning for retirement. 30 minute Q&A Session provided immediately following presentation.

Hosted by the Northern California Nationwide Retirement Specialist Team



## Just Getting Started?

Register

THURSDAY FEBRUARY 18<sup>TH</sup>  
12:00PM

Learn about the 457 Deferred Compensation Plan, how it works & why it is important to start saving now.

## Budgeting Your Money

Register

THURSDAY FEBRUARY 25<sup>TH</sup>  
12:00PM

After bills & groceries, it can feel impossible to save part of your paycheck, but thinking about the big picture can help make a big difference.

## Getting To Know Your Investment Style

Register

THURSDAY MARCH 4<sup>TH</sup>  
12:00PM

There's no such thing as a 'one-size-fits-all' retirement plan. Knowing your investment style can help you feel confident saving for the retirement you imagine.

## Let's Get Real

Register

THURSDAY MARCH 11<sup>TH</sup>  
12:00PM

Reviews the myths and realities in retirement planning while helping determine where you may need to focus your efforts.

## Get The Facts Before You Retire

Register

THURSDAY MARCH 18<sup>TH</sup>  
12:00PM

Planning to retire within the next five years? Learn important things to do before you declare your retirement date & get the facts on 457 (b) distributions.

## Social Security

Register

THURSDAY MARCH 25<sup>TH</sup>  
11:30AM

Understand your options and how they impact your household.



**Space is Limited... Reserve Your Spot Today!**

***Just click "Register" or use the provided QR Code.***

After registering, you will receive an email confirmation with instructions on how to join the workshop. You'll have the option to join online or by phone.



# City of Santa Clara

1500 Warburton Avenue  
Santa Clara, CA 95050  
santaclaraca.gov  
@SantaClaraCity

## Agenda Report

---

21-651

Agenda Date: 5/17/2021

---

### REPORT TO DEFERRED COMPENSATION COMMITTEE

#### SUBJECT

Informational Report On First Quarter 2021 Performance and Quarterly Plan Review

#### DISCUSSION

This is an informational report to the Committee on the City's first quarter 2021 performance. This report will be presented by the Hyas Group and will cover the following topics: a) market commentary, b) fund review, and c) fee and revenue analysis.

As this is an informational report only, no action is taken by the Committee.

1. Hyas - City of Santa Clara 3-31-21 Performance Report
2. Hyas - City of Santa Clara 1Q2021 Executive Summary



## **CITY OF SANTA CLARA**

### **457 Deferred Compensation Plan**

March 31, 2021 Performance Report

# TABLE OF CONTENTS

<b>Section 1</b>	Market Overview
<b>Section 2</b>	Account Review
<b>Section 3</b>	Investment Performance Review
<b>Section 4</b>	Plan Fee/Revenue Review
<b>Section 5</b>	Fund Attribution

# Section 1



**INFLATION MIRAGE??**

Broadening vaccination availability, easing business restrictions, and a \$1.9 trillion federal stimulus package set the stage for reports of robust economic activity coming out of the first quarter of 2021. The US added 916,000 jobs in March, well ahead of the projected increase of 675,000. Job growth was widespread in March, led by gains in leisure & hospitality, education, and construction. The increase in jobs brought the unemployment rate down from 6.2% to 6.0%. Other broad economic indicators are approaching or setting new highs. The widely followed ISM manufacturing index jumped to 64.7%, a 38-year high. Consumer confidence surged in March to a new post-pandemic high of 109.7 compared to 90.4 just a month earlier, and is closing in on the 20-year highs set in February of 2020 shortly before the onset of the coronavirus pandemic in the US. The PPI (Producer Price Index) data is forecasted to climb 0.5% in March which would push this popular gauge of wholesale inflation to 3.8% on a trailing 12-month basis – a 10-year high.

These rapidly improving economic indicators and unprecedented fiscal and monetary stimulus have investors looking to the horizon for early signs of growth's loathed economic shadow: inflation. The Federal Reserve has repeatedly stated it expects consumer price increases (higher inflation) over the summer as pent-up demand shakes loose but that these price jumps will be temporary, a mirage of sorts, that will not pose a threat to the central bank's ultra-low interest rate policy any time soon. The broad bond market is not convinced. While the Fed has anchored short-term rates, yields further out on the curve rose significantly during the quarter. Intermediate-term yields (10-Year US Treasury) rose from 0.93% to 1.74% during the period, resulting in a price decline of 7.02%. Long-term yields (30-Year US Treasury) rose from 1.65% to 2.41% during the quarter, resulting in a price decline of 15.84%. Based on these interest rate moves, the bond market is projecting higher inflation on the horizon.

So which is it? The Fed seems to be referring to the same playbook that was used coming out of the Great Recession of 2008-09. According to this playbook, well-documented sources of secular disinflation such as demographics, globalization, and technology will continue to offset inflationary pressures from unprecedented growth in stimulus and money supply. Investors are focusing on their own playbook in which the laws of printing money and large increases in the money supply have a long history of creating higher inflation and/or devaluing currency. The US dollar has been around for over 200 years, but nearly a quarter of all US dollars in circulation were printed in 2020. It should follow as no surprise then that the US money supply for February of this year rose 39% year-over-year, an unprecedented pace in modern history.

There is strong consensus building in the financial markets that the US economy will produce unprecedented upside numbers as the economy reopens in unison with the circulation of massive recent economic stimulus. Year-over-year comparisons are likely to reflect extreme short-term data points making it difficult to discern short-term noise from longer-term structural trends. This inability to distinguish between short-term and longer-term economic data will make it very difficult to get a good read on inflation for some time. In the absence of clarity, the speed of the labor market recovery would appear to be front and center. Faster than expected recovery in pandemic job losses coupled with sudden wage growth reflects monetary policy that is too loose and likely to result in higher inflation. The pace of job recovery transitioned from baseline to exceedingly quick during the fourth quarter. If this pace continues, the Fed may be forced to skip ahead a few chapters in their playbook to tighten policy sooner than expected to reign in inflation. This despite their hardline rhetoric of "keeping rates lower for longer."

## GLOBAL ECONOMIC LANDSCAPE

- 2020 was an exceptionally difficult year for global growth given the broad geographic impact of the COVID-19 virus. Global growth declined by roughly 4.5%. The Eurozone proved to be one of the hardest hit, declining nearly 7.5%, while the US declined by 3.5%. China was the notable outlier, with positive GDP growth of 2.3% but significantly lagging pre-COVID levels. However, the broad distribution of vaccines coupled with largely unprecedented global stimulus has brought about rapidly accelerating growth in the first quarter.
- The IMF is expecting a short-term growth divergence between the US and the rest of the world as the US economy is currently recovering faster than initially expected. The faster pace of recovery is due to a much larger fiscal expansion (stimulus spending) relative to its output gap in addition to its leading pace of vaccination. While the US is currently undergoing a faster pace of growth, this appears to be already reflected in market prices. The IMF expects global growth rates to slow sharply from 6.0% in 2021 to 3.3% by 2026. This slowdown is largely the result of a normalization from the recent bounce off a low base.
- A survey from the Federal Reserve of New York suggested that 42% of US households saved their recent stimulus checks compared to 36% in June 2020. The higher savings rate reflects the number of families using the checks to pay debt has declined to 34% from 36%, while the number of families spending checks for consumption has declined to 25% from 29%. The increase in savings and decline in consumption is likely to weaken the initial impact of stimulus policy.

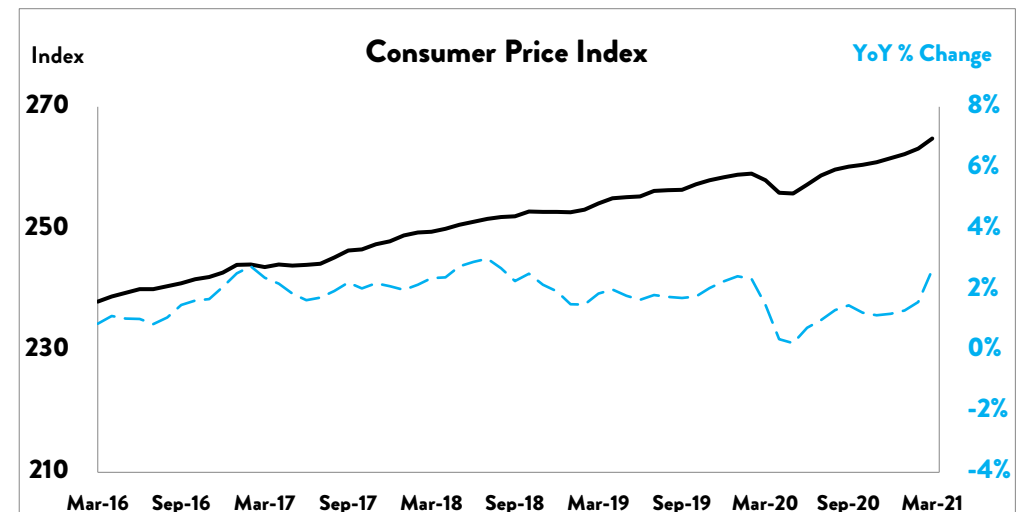
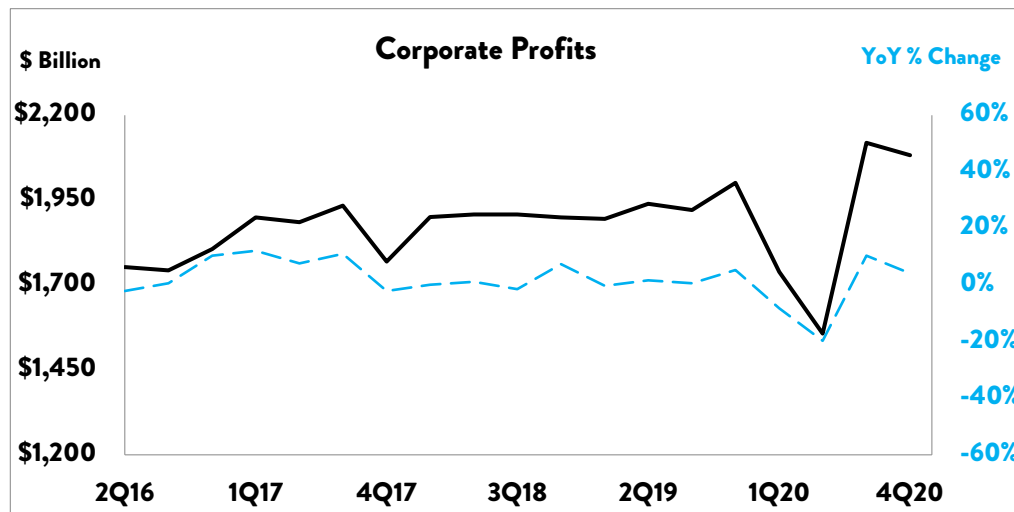
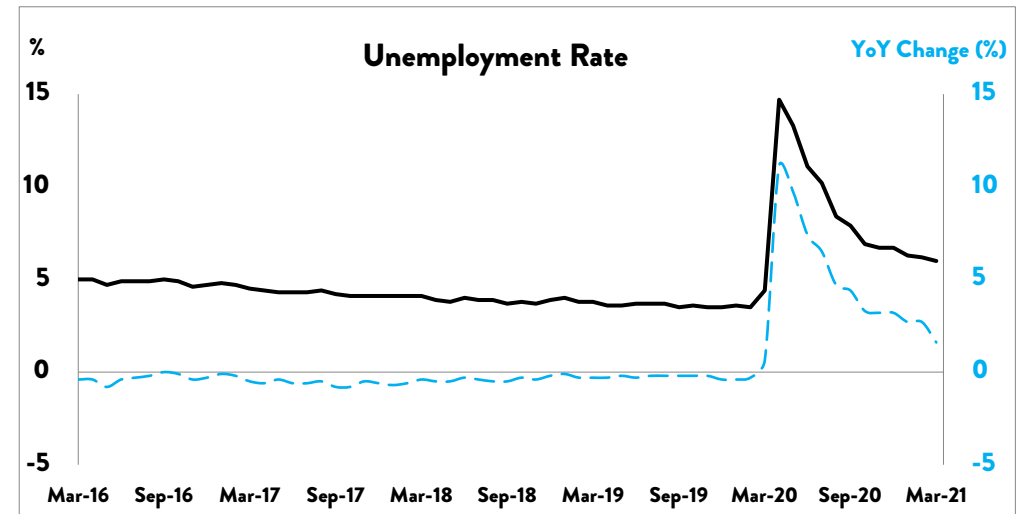
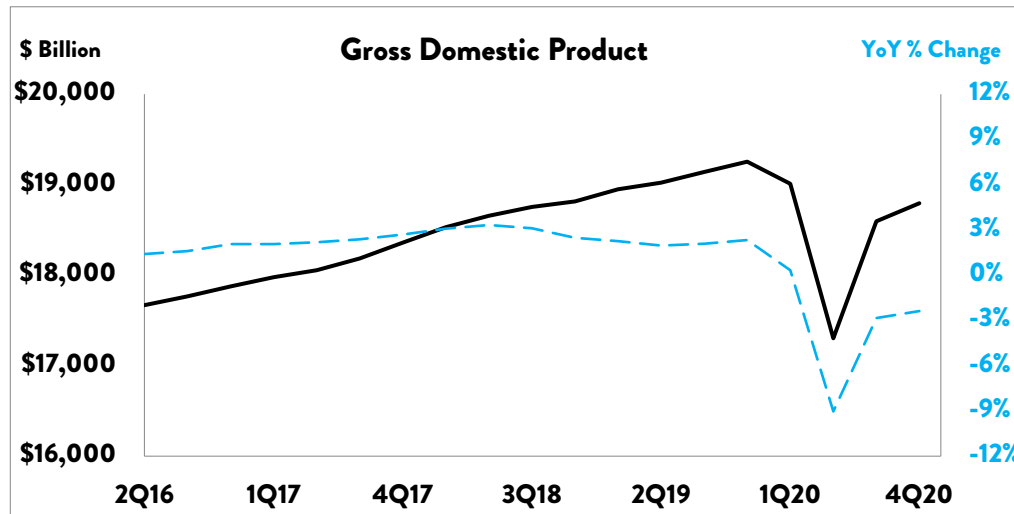
## GLOBAL FINANCIAL MARKETS

- A sharp increase in domestic economic growth rates coupled with the passage of a \$1.9 trillion coronavirus stimulus package sparked concerns over higher inflation. This prompted a sharp selloff across investment grade credit markets during the quarter. The current five-year embedded breakeven inflation rate for Treasury Inflation-Protected Securities (TIPS) is at 2.6%, the highest rate since 2008.
- Last quarter we highlighted a regime change in which value stocks, and more specifically cyclical value stocks, outperformed growth stocks reversing an extended period of underperformance. That momentum not only persisted, but accelerated during the first quarter. Since the beginning of this regime change in 4Q20, shares of domestic Energy stocks have climbed nearly 80% with Airlines and Banks up 65% and 60%, respectively. This regime change led to strong outperformance by “deep value” active managers over this period.
- The outperformance by cyclical sectors is largely a global phenomenon as global economies continue to open up post COVID-19 shutdowns. As a result, those countries with more exposure to cyclical stocks are expected to outperform should economic growth continue to accelerate. Cyclical sectors in the US represent a sizable 34% of the equity market, however, this compares to over 50% for the ACWI ex-US (international markets). In contrast, the Technology sector (less cyclical) represents 27% of the US market and only 13% of the international market. An extended cyclical rotation would seem to support strong relative international stock returns.
- The top ten stocks in the S&P 500 Index represent 27.4% of total market capitalization and 26.7% of total earnings, both of which are near all-time highs. These same top ten stocks trade at a P/E ratio of 30.1, which compares to 19.6 for the remaining stocks and a historical average of 16.2 for the index. While the top ten stocks have historically traded at a premium, they are currently trading at 154% of the historical average P/E for the top-ten stocks.

This report is being provided for informational purposes only. The information and opinions presented in this report do not constitute investment advice and have been obtained from sources believed by Hyas Group to be reliable. Hyas Group makes no representation as to their accuracy or completeness. All opinions expressed herein are subject to change.

©Hyas Group, 2021

# 1Q2021 Economic Data



Key: — Economic Series    - - - Year-Over-Year Change

Labor Market Statistics (Monthly)					
Category	Recent	5-Yr High	5-Yr Low	5-Yr Avg.	Date
Jobs Added/Lost Monthly	916,000	4,846,000	-20,679,000	7,767	Mar-21
Unemployment Rate	6.0%	14.7%	3.5%	5.0%	Mar-21
Median Unemployment Length (Weeks)	21.6	21.6	4.0	10.7	Mar-21
Average Hourly Earnings	\$29.96	\$30.07	\$25.53	\$27.51	Mar-21

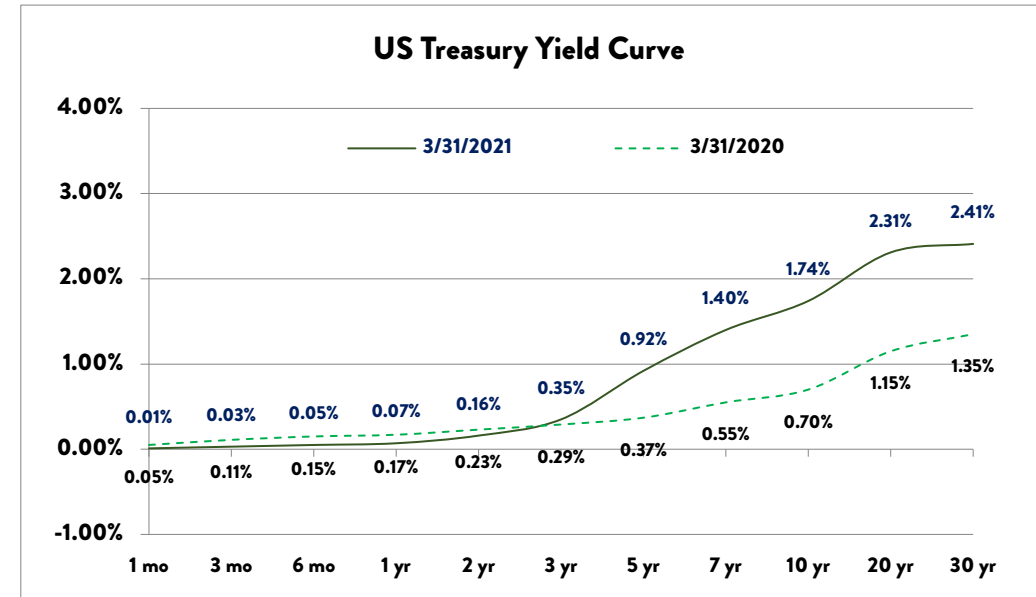
Source: Federal Reserve Bank of St. Louis and Bureau of Labor Statistics

Other Prices and Indexes (Monthly)					
Category	Recent	5-Yr High	5-Yr Low	% Off Peak	Date
Gas: Price per Gallon	\$2.79	\$2.88	\$1.80	-3.1%	Mar-21
Spot Oil	\$62.33	\$70.98	\$16.55	-12.2%	Mar-21
Case-Shiller Home Price Index	245.1	245.1	185.4	32.2%*	Jan-21
Medical Care CPI	523.7	523.8	459.3	14%*	Mar-21

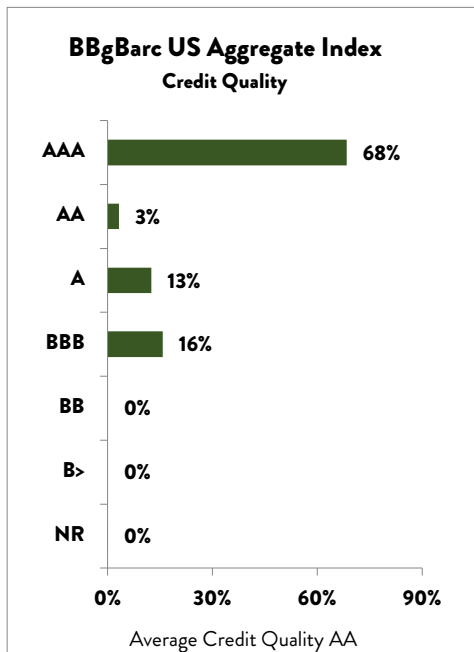
\*% Off Low

# 1Q2021 Bond Market Data

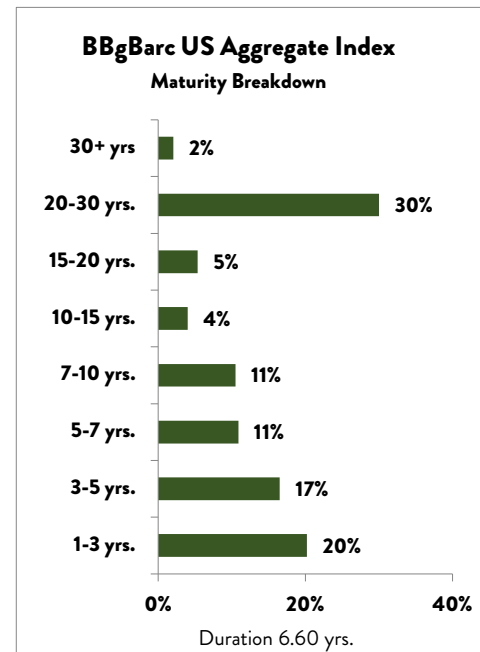
Index	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
90-Day T-Bill	0.01%	0.01%	0.10%	1.36%	1.13%	0.60%
BBgBarc US Aggregate	-3.37%	-3.37%	0.71%	4.65%	3.10%	3.44%
BBgBarc Short US Treasury	0.04%	0.04%	0.15%	1.66%	1.29%	0.73%
BBgBarc Int. US Treasury	-1.76%	-1.76%	-1.27%	3.76%	2.06%	2.33%
BBgBarc Long US Treasury	-13.51%	-13.51%	-15.80%	5.87%	3.13%	6.35%
BBgBarc US TIPS	-1.47%	-1.47%	7.54%	5.68%	3.86%	3.44%
BBgBarc US Credit	-4.45%	-4.45%	7.88%	5.95%	4.67%	4.83%
BBgBarc US Mortgage-Backed	-1.10%	-1.10%	-0.09%	3.75%	2.43%	2.83%
BBgBarc US Asset-Backed	-0.16%	-0.16%	4.57%	3.68%	2.56%	2.51%
BBgBarc US 20-Yr Municipal	-0.30%	-0.30%	6.40%	5.90%	4.38%	5.82%
BBgBarc US High Yield	0.85%	0.85%	23.72%	6.84%	8.06%	6.48%
BBgBarc Global	-4.46%	-4.46%	4.67%	2.80%	2.66%	2.23%
BBgBarc International	-5.29%	-5.29%	7.15%	1.15%	2.13%	1.26%
BBgBarc Emerging Market	-3.48%	-3.48%	13.58%	4.81%	5.22%	5.47%



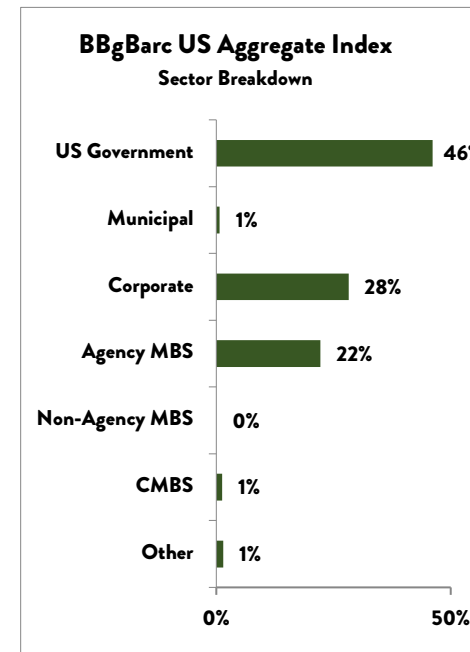
Source: Department of US Treasury



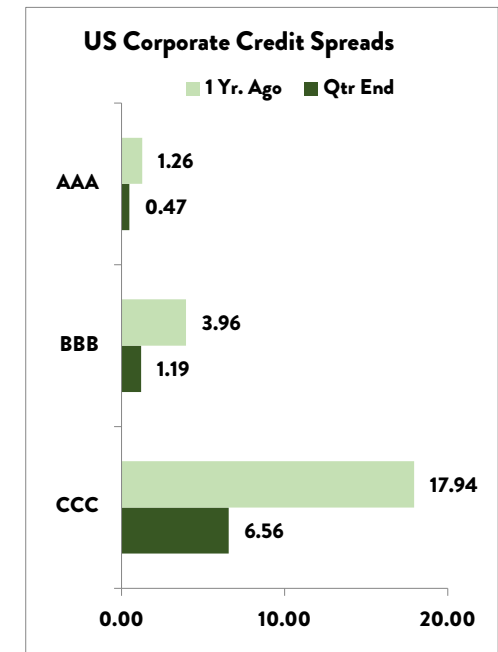
Source: Morningstar



Source: Morningstar



Source: Morningstar



Source: Federal Reserve / Bank of America

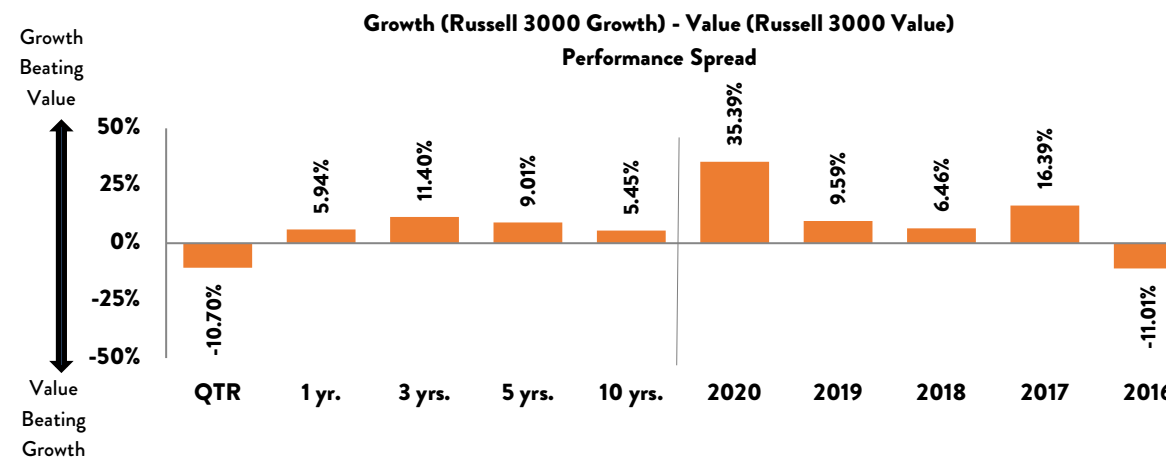
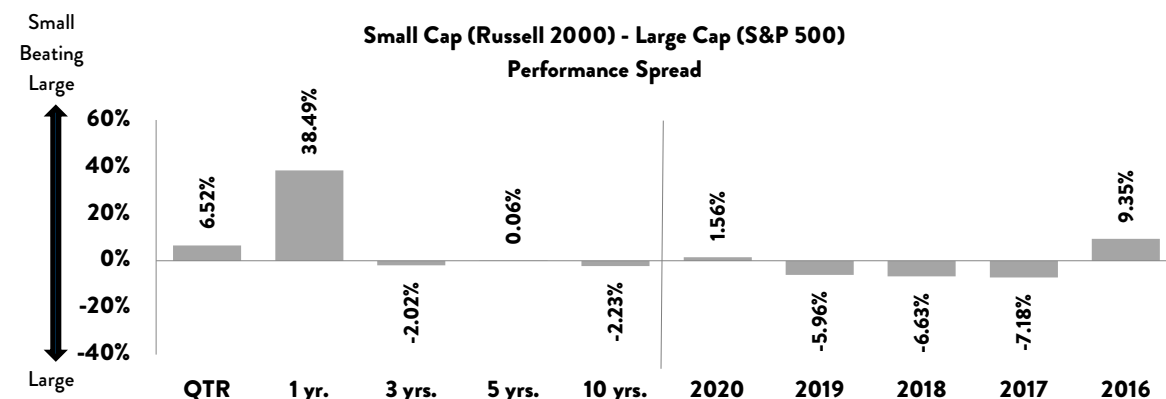
# 1Q2021 US Equity Market Data

## Sectors Weights/Returns (ranked by quarter performance)

	Wgt.	Sector	QTR	YTD	1 yr.
S&P 500 Index	3%	Energy	30.85%	30.85%	75.16%
	11%	Financials	15.99%	15.99%	67.50%
	9%	Industrials	11.41%	11.41%	69.61%
	3%	Materials	9.08%	9.08%	78.29%
	2%	Real Estate	9.02%	9.02%	32.03%
	11%	Communication Services	8.08%	8.08%	60.88%
	13%	Health Care	3.18%	3.18%	34.04%
	12%	Consumer Discretionary	3.11%	3.11%	70.29%
	3%	Utilities	2.80%	2.80%	19.42%
	27%	Information Technology	1.97%	1.97%	66.61%
6%	Consumer Staples	1.15%	1.15%	28.38%	
S&P Midcap 400 Index	1%	Energy	34.73%	34.73%	174.75%
	15%	Consumer Discretionary	21.35%	21.35%	156.70%
	6%	Materials	21.05%	21.05%	96.19%
	16%	Financials	18.69%	18.69%	74.55%
	4%	Consumer Staples	15.40%	15.40%	72.33%
	18%	Industrials	13.63%	13.63%	87.57%
	3%	Utilities	9.80%	9.80%	19.18%
	9%	Real Estate	8.15%	8.15%	42.47%
	2%	Communication Services	6.63%	6.63%	55.36%
	14%	Information Technology	6.37%	6.37%	93.61%
	11%	Health Care	4.58%	4.58%	59.06%
	S&P Smallcap 600 Index	4%	Energy	43.26%	43.26%
16%		Consumer Discretionary	37.88%	37.88%	214.32%
17%		Financials	18.89%	18.89%	67.18%
2%		Communication Services	17.49%	17.49%	53.11%
18%		Industrials	17.40%	17.40%	95.35%
4%		Consumer Staples	15.68%	15.68%	62.89%
13%		Information Technology	11.50%	11.50%	92.68%
7%		Real Estate	10.18%	10.18%	50.22%
5%		Materials	9.99%	9.99%	108.96%
11%		Health Care	8.43%	8.43%	78.03%
1%		Utilities	7.87%	7.87%	6.47%

## Index Performance Data

Index	QTR	YTD	1 yr.	Annualized		
				3 yrs.	5 yrs.	10 yrs.
S&P 500	6.17%	6.17%	56.35%	16.78%	16.29%	13.91%
Russell 1000 Value	11.26%	11.26%	56.09%	10.96%	11.74%	10.99%
Russell 1000 Growth	0.94%	0.94%	62.74%	22.80%	21.05%	16.63%
Russell Mid Cap	8.14%	8.14%	73.64%	14.73%	14.67%	12.47%
Russell Mid Cap Value	13.05%	13.05%	73.76%	10.70%	11.60%	11.05%
Russell Mid Cap Growth	-0.57%	-0.57%	68.61%	19.41%	18.39%	14.11%
Russell 2000	12.70%	12.70%	94.85%	14.76%	16.35%	11.68%
Russell 2000 Value	21.17%	21.17%	97.05%	11.57%	13.56%	10.06%
Russell 2000 Growth	4.88%	4.88%	90.20%	17.16%	18.61%	13.02%
Russell 3000	6.35%	6.35%	62.53%	17.12%	16.64%	13.79%
DJ US Select REIT	10.00%	10.00%	36.66%	7.55%	3.94%	7.89%



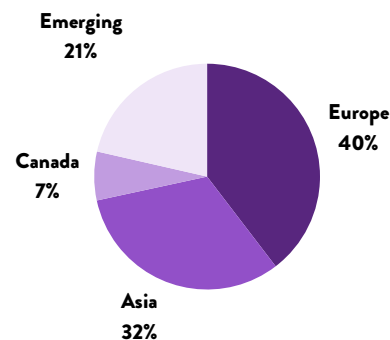
# 1Q2021 International Market Data

## Index Performance Data (net)

Index (US\$)	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
<b>MSCI ACWI ex-US</b>	<b>3.49%</b>	<b>3.49%</b>	<b>49.41%</b>	<b>6.51%</b>	<b>9.76%</b>	<b>4.93%</b>
<b>MSCI EAFE</b>	<b>3.48%</b>	<b>3.48%</b>	<b>44.57%</b>	<b>6.02%</b>	<b>8.85%</b>	<b>5.52%</b>
<b>Europe</b>	<b>4.08%</b>	<b>4.08%</b>	<b>44.95%</b>	<b>5.65%</b>	<b>8.18%</b>	<b>5.08%</b>
United Kingdom	6.19%	6.19%	33.54%	0.92%	4.33%	3.26%
Germany	4.23%	4.23%	59.28%	4.26%	8.02%	5.15%
France	4.42%	4.42%	50.01%	5.91%	9.96%	5.25%
<b>Pacific</b>	<b>2.53%</b>	<b>2.53%</b>	<b>43.99%</b>	<b>6.63%</b>	<b>10.20%</b>	<b>6.44%</b>
Japan	1.57%	1.57%	39.73%	6.32%	10.47%	7.20%
Hong Kong	7.26%	7.26%	37.29%	5.38%	10.08%	7.28%
Australia	3.41%	3.41%	68.44%	9.03%	9.75%	4.36%
<b>Canada</b>	<b>9.59%</b>	<b>9.59%</b>	<b>59.27%</b>	<b>9.56%</b>	<b>9.62%</b>	<b>2.39%</b>
<b>MSCI EM</b>	<b>2.29%</b>	<b>2.29%</b>	<b>58.39%</b>	<b>6.48%</b>	<b>12.07%</b>	<b>3.65%</b>
<b>MSCI EM Latin America</b>	<b>-5.32%</b>	<b>-5.32%</b>	<b>50.07%</b>	<b>-6.05%</b>	<b>4.04%</b>	<b>-4.05%</b>
<b>MSCI EM Asia</b>	<b>2.16%</b>	<b>2.16%</b>	<b>60.13%</b>	<b>9.45%</b>	<b>14.48%</b>	<b>6.63%</b>
<b>MSCI EM Eur/Mid East</b>	<b>6.54%</b>	<b>6.54%</b>	<b>42.69%</b>	<b>1.98%</b>	<b>6.31%</b>	<b>-2.85%</b>
<b>MSCI ACWI Value ex-US</b>	<b>7.06%</b>	<b>7.06%</b>	<b>48.68%</b>	<b>2.40%</b>	<b>7.25%</b>	<b>3.02%</b>
<b>MSCI ACWI Growth ex-US</b>	<b>-0.08%</b>	<b>-0.08%</b>	<b>49.36%</b>	<b>10.31%</b>	<b>12.03%</b>	<b>6.69%</b>
<b>MSCI ACWI Sm Cap ex-US</b>	<b>5.53%</b>	<b>5.53%</b>	<b>69.82%</b>	<b>6.61%</b>	<b>10.40%</b>	<b>6.32%</b>

## Regional Exposure

MSCI ACWI ex-USA

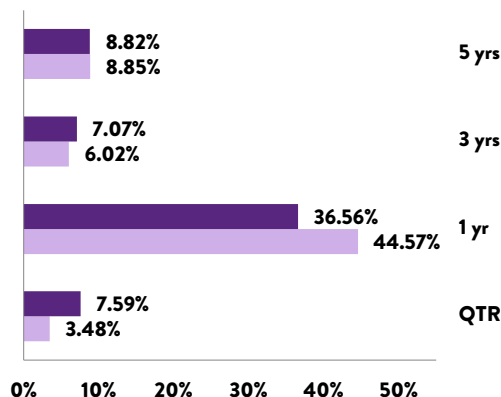


## Top 10 Countries (MSCI AC World ex-USA)

Japan	16%
China	11%
UK	9%
France	7%
Canada	7%
Germany	6%
Switzerland	6%
Australia	4%
Taiwan	4%
South Korea	4%

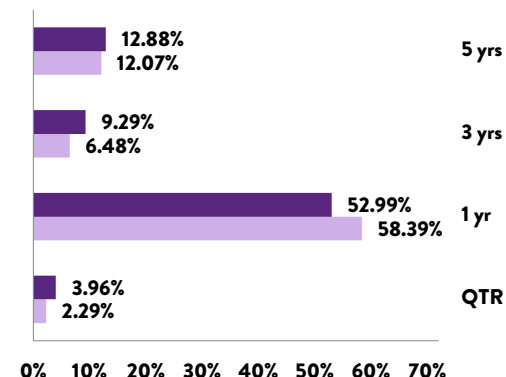
## MSCI EAFE Index Return

Local (Dark Purple) vs US\$ (Light Purple)



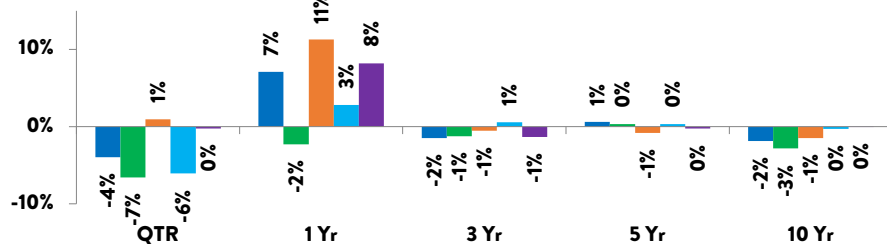
## MSCI Emerging Index Return

Local (Dark Purple) vs US\$ (Light Purple)



## Foreign Currency v. US\$ Returns

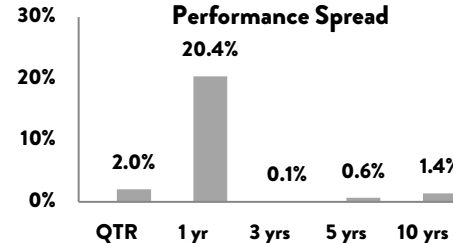
Euro (Blue), Japanese Yen (Green), Pound Sterling (Orange), Swiss Franc (Cyan), Chinese Yuan (Purple)



Exchange Rates	QTR	4Q20	3Q20	2Q20	1Q20	4Q19
<b>Japanese Yen</b>	110.67	103.19	105.58	107.77	107.53	108.67
<b>Euro</b>	0.85	0.82	0.85	0.89	0.91	0.89
<b>British Pound</b>	0.72	0.73	0.77	0.81	0.80	0.75
<b>Swiss Franc</b>	0.94	0.88	0.92	0.95	0.96	0.97
<b>Chinese Yuan</b>	6.55	6.53	6.79	7.07	7.08	6.96

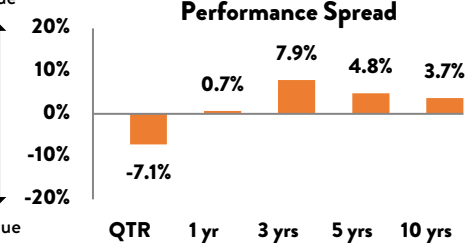
## MSCI ACWI Ex US Large v. Small Cap Performance Spread

Small Beating Large (Upward Arrow) vs Large Beating Small (Downward Arrow)



## MSCI ACWI Ex US Value v. Growth Performance Spread

Growth Beating Value (Upward Arrow) vs Value Beating Growth (Downward Arrow)





# Historical Market Returns

Ranked by Performance

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1Q21
Emerging Markets 34.00%	Emerging Markets 32.14%	Emerging Markets 39.42%	US Bonds 5.24%	Emerging Markets 78.51%	Small Cap 26.85%	Core Real Estate 14.96%	Emerging Markets 18.22%	Small Cap 38.82%	Large Cap 13.68%	Core Real Estate 13.95%	Small Cap 21.30%	Emerging Markets 37.28%	Core Real Estate 7.36%	Large Cap 31.49%	Small Cap 19.96%	Small Cap 12.70%
Commod. 21.36%	Intl 26.65%	Intl 16.65%	Global Bonds 4.79%	High Yield 58.21%	Mid Cap 25.48%	TIPS 13.56%	Mid Cap 17.28%	Mid Cap 34.76%	Mid Cap 13.21%	Large Cap 1.38%	High Yield 17.12%	Intl 27.19%	Cash 1.69%	Mid Cap 30.54%	Large Cap 18.40%	Mid Cap 8.14%
Core Real Estate 20.15%	Small Cap 18.37%	Commod. 16.23%	Cash 1.39%	Intl 41.45%	Emerging Markets 18.88%	US Bonds 7.84%	Intl 16.83%	Large Cap 32.39%	Core Real Estate 11.44%	US Bonds 0.55%	Mid Cap 13.79%	Large Cap 21.83%	US Bonds 0.01%	Small Cap 25.52%	Emerging Markets 18.31%	Commod. 6.92%
Intl 16.62%	Large Cap 15.79%	Core Real Estate 14.84%	TIPS -2.35%	Mid Cap 40.48%	Commod. 16.83%	Global Bonds 5.64%	Small Cap 16.35%	Intl 15.29%	US Bonds 5.97%	Cash 0.03%	Large Cap 11.95%	Mid Cap 18.52%	Global Bonds -1.20%	Intl 21.51%	Mid Cap 17.10%	Large Cap 6.17%
Mid Cap 12.65%	Core Real Estate 15.27%	TIPS 11.64%	Core Real Estate -10.70%	Small Cap 27.17%	Core Real Estate 15.26%	High Yield 4.98%	Large Cap 16.00%	Global Balanced 14.46%	Small Cap 4.89%	TIPS -1.43%	Commod. 11.76	Global Balanced 15.87%	TIPS -1.26%	Global Balanced 18.86%	Global Balanced 13.93%	Intl 3.49%
Large Cap 4.91%	Mid Cap 15.26%	Global Bonds 9.48%	Global Balanced -24.51%	Large Cap 26.46%	High Yield 15.12%	Large Cap 2.11%	High Yield 15.81%	Core Real Estate 12.95%	TIPS 3.64%	Global Balanced -1.45%	Emerging Markets 11.18%	Small Cap 14.65%	High Yield -2.08%	Emerging Markets 18.42%	TIPS 10.99%	Emerging Markets 2.29%
Small Cap 4.55%	Global Balanced 14.53%	Global Balanced 9.07%	High Yield -26.16%	Global Balanced 20.49%	Large Cap 15.06%	Cash 0.06%	Global Balanced 11.06%	High Yield 7.44%	Global Balanced 3.17%	Mid Cap -2.43%	Core Real Estate 7.76%	High Yield 7.50%	Large Cap -4.38%	High Yield 14.32%	Intl 10.65%	Core Real Estate 1.91%
Global Balanced 4.16%	High Yield 11.85%	US Bonds 6.97%	Small Cap -33.79%	Commod. 18.91%	Intl 11.15%	Global Balanced -0.97%	Core Real Estate 9.76%	Cash 0.07%	High Yield 2.45%	Global Bonds -3.15%	Global Balanced 5.38%	Global Bonds 7.39%	Global Balanced -5.30%	US Bonds 8.72%	Global Bonds 9.20%	Global Balanced 1.39%
Cash 3.25%	Global Bonds 6.64%	Mid Cap 5.60%	Commod. -35.65%	TIPS 11.41%	Global Balanced 9.40%	Mid Cap -1.55%	TIPS 6.98%	US Bonds -2.02%	Global Bonds 0.59%	Small Cap -4.41%	TIPS 4.68%	Core Real Estate 6.66%	Mid Cap -9.06%	TIPS 8.43%	US Bonds 7.51%	High Yield 0.85%
TIPS 2.84%	Cash 4.85%	Large Cap 5.49%	Large Cap -37.00%	Global Bonds 6.93%	US Bonds 6.54%	Small Cap -4.18%	Global Bonds 4.32%	Global Bonds -2.60%	Cash 0.04%	High Yield -4.46%	Intl 4.50%	US Bonds 3.54%	Small Cap -11.01%	Commod. 7.69%	High Yield 7.11%	Cash 0.01%
High Yield 2.74%	US Bonds 4.33%	Cash 4.44%	Mid Cap -41.46%	US Bonds 5.93%	TIPS 6.31%	Commod. -13.32%	US Bonds 4.21%	Emerging Markets -2.60%	Emerging Markets -2.18%	Intl -5.66%	US Bonds 2.65%	TIPS 3.01%	Commod. -11.25%	Global Bonds 6.84%	Cash 0.37%	TIPS -1.47%
US Bonds 2.43%	Commod. 2.07%	High Yield 1.87%	Intl -45.53%	Cash 0.16%	Global Bonds 5.54%	Intl -13.71%	Cash 0.08%	TIPS -8.61%	Intl -3.86%	Emerging Markets -14.90%	Global Bonds 2.09%	Commod. 1.70%	Intl -14.20%	Core Real Estate 4.41%	Core Real Estate 0.35%	US Bonds -3.37%
Global Bonds -4.49%	TIPS 0.41%	Small Cap -1.57%	Emerging Markets -53.33%	Core Real Estate -30.40%	Cash 0.15%	Emerging Markets -18.42%	Commod. -1.06%	Commod. -9.52%	Commod. -17.00%	Commod. -24.60%	Cash 0.25%	Cash 0.71%	Emerging Markets -14.58%	Cash 2.30%	Commod. -3.12%	Global Bonds -4.46%

Global Balanced is composed of 60% MSCI World Stock Index, 35% BBgBarc Global Aggregate Bond Index, and 5% US 90-Day T-Bills.

This page left blank intentionally.



# Section 2

# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PLAN ASSET ALLOCATION

First Quarter 2021

Fixed Income	Ticker	Assets	%
Nationwide Fixed Fund	-	\$61,527,117	27.9%
Fidelity US Bond Index	FXNAX	\$2,281,579	1.0%
Sterling Capital Total Return Bond R6	STRDX	\$4,107,904	1.9%
Hotchkis & Wiley High Yield Z	HWHZX	\$1,290,755	0.6%
<b>Total</b>		<b>\$69,207,355</b>	<b>31.3%</b>

Large Cap	Ticker	Assets	%
DFA US Large Cap Value I	DFLVX	\$7,718,231	3.5%
Fidelity 500 Index	FXAIX	\$32,341,284	14.6%
T. Rowe Price Large Cap Growth I	TRLGX	\$21,248,375	9.6%
<b>Total</b>		<b>\$61,307,889</b>	<b>27.8%</b>

Mid Cap	Ticker	Assets	%
MFS Mid Cap Value R6	MVCKX	\$1,589,398	0.7%
Fidelity Mid Cap Index	FSMDX	\$2,498,506	1.1%
WTC-CIF II Mid Cap Opportunities (Series 3)	-	\$10,811,029	4.9%
<b>Total</b>		<b>\$14,898,933</b>	<b>6.7%</b>

Small Cap	Ticker	Assets	%
DFA US Targeted Value I	DFVFX	\$2,930,891	1.3%
Fidelity Small Cap Index	FSSNX	\$1,678,781	0.8%
Vanguard Small Growth Index Adm	VSGAX	\$5,255,702	2.4%
<b>Total</b>		<b>\$9,865,374</b>	<b>4.5%</b>

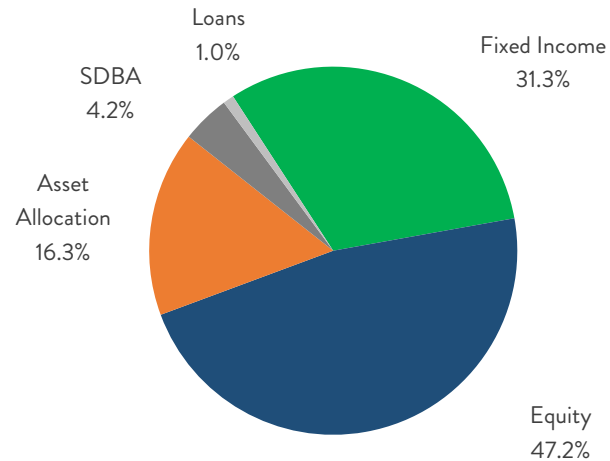
International	Ticker	Assets	%
MFS International Intrinsic Value Equity R6	MINJX	\$4,603,264	2.1%
Fidelity Total International Index	FTIHX	\$4,316,003	2.0%
Vanguard International Growth Adm	VWILX	\$9,140,829	4.1%
<b>Total</b>		<b>\$18,060,096</b>	<b>8.2%</b>

Asset Allocation	Ticker	Assets	%
Vanguard Target Retirement Income Inv	VTINX	\$1,099,455	0.5%
Vanguard Target Retirement 2020 Inv	VTWNX	\$1,031,211	0.5%
Vanguard Target Retirement 2025 Inv	VTTVX	\$15,029,361	6.8%
Vanguard Target Retirement 2030 Inv	VTHRX	\$803,085	0.4%
Vanguard Target Retirement 2035 Inv	VTTX	\$7,677,850	3.5%
Vanguard Target Retirement 2040 Inv	VFORX	\$582,730	0.3%
Vanguard Target Retirement 2045 Inv	VTIVX	\$7,430,763	3.4%
Vanguard Target Retirement 2050 Inv	VFIFX	\$607,793	0.3%
Vanguard Target Retirement 2055 Inv	VFFVX	\$1,464,554	0.7%
Vanguard Target Retirement 2060 Inv	VTTX	\$254,426	0.1%
<b>Total</b>		<b>\$35,981,226</b>	<b>16.3%</b>

Miscellaneous	Ticker	Assets	%
Self Directed Option	-	\$9,374,159	4.2%
Loans	-	\$2,101,163	1.0%
<b>Total</b>		<b>\$11,475,323</b>	<b>5.2%</b>

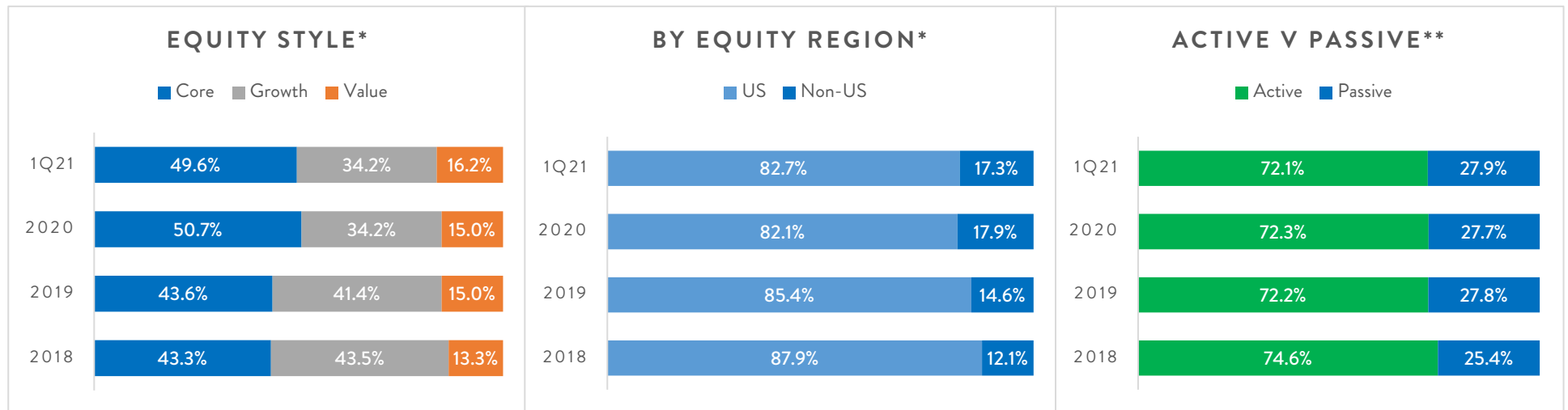
**TOTAL PLAN ASSETS**

**\$220,796,197**



**HISTORICAL PLAN ALLOCATION**

Asset Class	1Q21	2020	2019	2018	2017	2016	2015	2014
<b>Fixed Income</b>	31.3%	33.4%	35.5%	38.7%	N/A	N/A	N/A	N/A
<b>Large Cap</b>	27.8%	27.0%	26.3%	26.1%	N/A	N/A	N/A	N/A
<b>Mid Cap</b>	6.7%	6.4%	7.7%	6.7%	N/A	N/A	N/A	N/A
<b>Small Cap</b>	4.5%	3.9%	3.9%	4.1%	N/A	N/A	N/A	N/A
<b>International</b>	8.2%	8.1%	6.5%	5.1%	N/A	N/A	N/A	N/A
<b>Asset Allocation</b>	16.3%	16.3%	16.6%	16.3%	N/A	N/A	N/A	N/A
<b>SDBA</b>	4.2%	3.9%	2.8%	2.6%	N/A	N/A	N/A	N/A
<b>Loans</b>	1.0%	1.0%	0.7%	0.5%	N/A	N/A	N/A	N/A



\*Excludes Fixed Income, Asset Allocation, Brokerage, and Loan assets

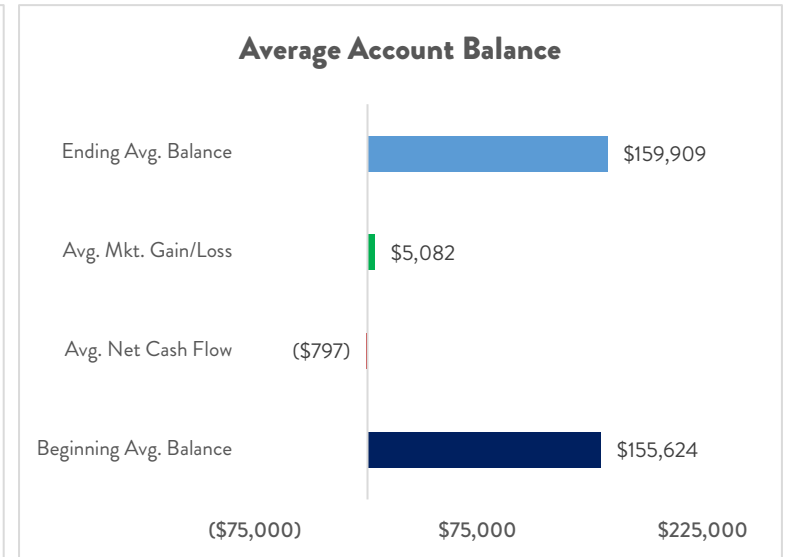
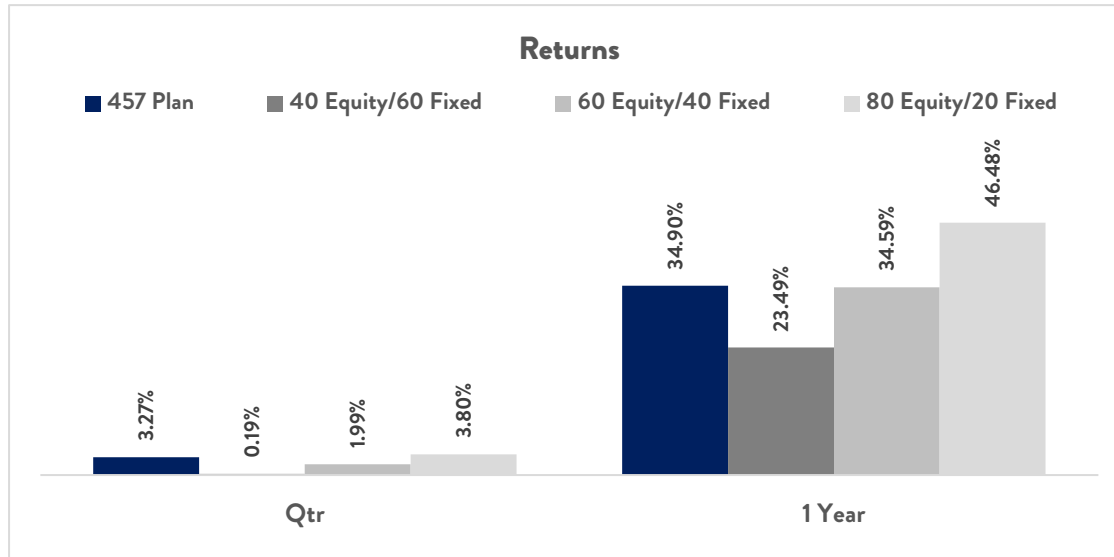
\*\*Excludes Asset Allocation, Brokerage, and Loan assets

**PLAN LEVEL CASH FLOWS**

	Beginning Value	Cash Flow (+)	Cash Flow (-)	Transfer	Market Gain/Loss	Ending Value
<b>Fixed Income</b>	\$71,557,663	\$1,659,640	(\$2,909,578)	(\$1,417,194)	\$316,823	\$69,207,355
<b>Large Cap</b>	\$57,744,853	\$856,458	(\$818,657)	(\$93,162)	\$3,618,397	\$61,307,889
<b>Mid Cap</b>	\$13,797,623	\$222,958	(\$119,911)	\$101,963	\$896,300	\$14,898,933
<b>Small Cap</b>	\$8,317,744	\$183,680	(\$162,010)	\$653,541	\$872,419	\$9,865,374
<b>International</b>	\$17,376,817	\$305,088	(\$345,999)	\$736,331	(\$12,141)	\$18,060,096
<b>Asset Allocation</b>	\$34,917,002	\$945,775	(\$860,214)	\$18,521	\$960,143	\$35,981,226
<b>Total</b>	\$203,711,702	\$4,173,599	(\$5,216,368)	\$0	\$6,651,941	\$209,320,874

**HISTORICAL PLAN CASH FLOWS**

	Beginning Value	Net Cash Flow	Market Gain/Loss	Ending Value
<b>1Q21</b>	\$203,711,702	(\$1,042,769)	\$6,651,941	\$209,320,874
<b>YTD</b>	\$203,711,702	(\$1,042,769)	\$6,651,941	\$209,320,874
<b>2020</b>	\$174,412,951	\$3,320,382	\$25,978,370	\$203,711,702
<b>2019</b>	\$150,093,203	(\$2,185,094)	\$26,504,842	\$174,412,951
<b>2018</b>	N/A	N/A	N/A	\$150,093,203
<b>2017</b>	N/A	N/A	N/A	N/A



Equity Indices: Russell 3000, MSCI ACWI ex USA; Fixed Indices: US Treasury 3 Mo T-Bill, BBgBarc Global Aggregate Bond (rebalanced quarterly)

This page left blank intentionally.

# Section 3

Key: Ⓟ Pass / ● Fail

Investment Policy Status

	Performance Factors	Qualitative Factors	On-Watch Date Initiated	Notes
Nationwide Fixed Fund	Ⓟ	Ⓟ	-	
Fidelity US Bond Index	●	Ⓟ	-	Sharpe Ratio trailing median for five-year period.
Sterling Capital Total Return Bond R6	Ⓟ	Ⓟ	-	
Hotchkis & Wiley High Yield Z	●	Ⓟ	4Q2019	Two consecutive quarters trailing benchmark and median on rolling three-year basis. Sharpe Ratio trailing median for five-year period.
DFA US Large Cap Value I	●	Ⓟ	4Q2019	Two consecutive quarters trailing benchmark and median on rolling three-year basis. Sharpe Ratio trailing median for five-year period.
Fidelity 500 Index	Ⓟ	Ⓟ	-	
T. Rowe Price Large Cap Growth I	Ⓟ	Ⓟ	-	
MFS Mid Cap Value R6	Ⓟ	Ⓟ	-	
Fidelity Mid Cap Index	Ⓟ	Ⓟ	-	
WTC-CIF II Mid Cap Opportunities (Series 3)	●	Ⓟ	4Q2019	Two consecutive quarters trailing benchmark and median on rolling three-year basis. Sharpe Ratio trailing median for five-year period.
DFA US Targeted Value I	●	Ⓟ	2Q2020	Two consecutive quarters trailing benchmark on rolling three-year basis. Sharpe Ratio trailing median for five-year period.
Fidelity Small Cap Index	Ⓟ	Ⓟ	-	
Vanguard Small Growth Index Adm	●	Ⓟ	-	Sharpe Ratio trailing median for five-year period.
MFS International Intrinsic Value Equity R6	Ⓟ	●	3Q2020	Significant style drift.
Fidelity Total International Index	Ⓟ	Ⓟ	-	
Vanguard International Growth Adm	Ⓟ	Ⓟ	-	
Vanguard Target Retirement Income Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2020 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2025 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2030 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2035 Inv	Ⓟ	Ⓟ	-	Target date series to move to Institutional share class.
Vanguard Target Retirement 2040 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2045 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2050 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2055 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2060 Inv	Ⓟ	Ⓟ	-	

# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PERFORMANCE REVIEW

First Quarter 2021

	QTR	YTD	1Yr	Annualized			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>Nationwide Fixed Fund</b>	<b>0.83</b>	<b>0.83</b>	<b>3.47</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3.50</b>	<b>3.50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
5 Yr Constant Maturity US Treasury Yield	0.15	0.15	0.40	1.58	1.68	1.48	0.54	1.96	2.75	1.91	1.44	1.53
+/- Index	0.68	0.68	3.07	-	-	-	2.96	1.54	-	-	-	-
<b>Fidelity US Bond Index</b>	<b>-3.48</b>	<b>-3.48</b>	<b>0.37</b>	<b>4.65</b>	<b>3.05</b>	<b>3.42</b>	<b>7.80</b>	<b>8.48</b>	<b>0.01</b>	<b>3.50</b>	<b>2.52</b>	<b>0.63</b>
BBgBarc Capital US Aggregate Bond Index	-3.37	-3.37	0.71	4.65	3.10	3.44	7.51	8.72	0.01	3.54	2.65	0.55
+/- Index	(0.11)	(0.11)	(0.34)	0.00	(0.05)	(0.02)	0.29	(0.23)	0.00	(0.04)	(0.13)	0.08
US Fund Intermediate Core Bond	71	71	84	42	57	47	41	49	29	57	66	18
<b>Sterling Capital Total Return Bond R6</b>	<b>-3.00</b>	<b>-3.00</b>	<b>5.30</b>	<b>5.47</b>	<b>4.05</b>	<b>4.02</b>	<b>9.35</b>	<b>9.37</b>	<b>-0.27</b>	<b>4.33</b>	<b>3.75</b>	<b>0.54</b>
BBgBarc Capital US Aggregate Bond Index	-3.37	-3.37	0.71	4.65	3.10	3.44	7.51	8.72	0.01	3.54	2.65	0.55
+/- Index	0.37	0.37	4.59	0.82	0.95	0.58	1.84	0.65	(0.28)	0.79	1.10	(0.01)
US Fund Intermediate Core Bond	38	38	14	7	5	11	10	17	42	7	7	28
<b>Hotchkis &amp; Wiley High Yield Z</b>	<b>2.04</b>	<b>2.04</b>	<b>27.87</b>	<b>4.19</b>	<b>6.76</b>	<b>5.64</b>	<b>3.83</b>	<b>9.77</b>	<b>-3.34</b>	<b>8.24</b>	<b>16.02</b>	<b>-4.30</b>
BBgBarc Capital US Corp High Yield Index	0.85	0.85	23.72	6.84	8.06	6.48	7.11	14.32	-2.08	7.50	17.13	-4.47
+/- Index	1.19	1.19	4.15	(2.65)	(1.30)	(0.84)	(3.29)	(4.54)	(1.26)	0.73	(1.11)	0.17
US Fund High Yield Bond	17	17	13	85	48	37	71	82	63	11	16	58
<b>DFA US Large Cap Value I</b>	<b>14.72</b>	<b>14.72</b>	<b>66.52</b>	<b>8.98</b>	<b>12.29</b>	<b>11.17</b>	<b>-0.61</b>	<b>25.45</b>	<b>-11.65</b>	<b>18.97</b>	<b>18.89</b>	<b>-3.49</b>
Russell 1000 Value Index	11.26	11.26	56.09	10.96	11.74	10.99	2.80	26.54	-8.27	13.66	17.34	-3.83
+/- Index	3.46	3.46	10.43	(1.98)	0.55	0.18	(3.40)	(1.09)	(3.38)	5.30	1.55	0.33
US Fund Large Value	18	18	22	73	34	30	76	49	83	20	14	46



# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PERFORMANCE REVIEW

First Quarter 2021

	QTR	YTD	1Yr	Annualized			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>Fidelity 500 Index</b>	<b>6.18</b>	<b>6.18</b>	<b>56.34</b>	<b>16.77</b>	<b>16.28</b>	<b>13.90</b>	<b>18.40</b>	<b>31.47</b>	<b>-4.40</b>	<b>21.81</b>	<b>11.97</b>	<b>1.38</b>
S&P 500 Index	6.17	6.17	56.35	16.78	16.29	13.91	18.40	31.49	-4.38	21.83	11.96	1.38
+/- Index	0.01	0.01	(0.01)	(0.01)	(0.01)	(0.01)	0.00	(0.01)	(0.02)	(0.02)	0.01	0.00
US Fund Large Blend	53	53	52	23	20	10	37	23	25	28	26	20
<b>T. Rowe Price Large Cap Growth I</b>	<b>3.66</b>	<b>3.66</b>	<b>67.97</b>	<b>22.71</b>	<b>24.05</b>	<b>17.88</b>	<b>39.56</b>	<b>28.49</b>	<b>4.32</b>	<b>37.82</b>	<b>2.85</b>	<b>10.08</b>
Russell 1000 Growth Index	0.94	0.94	62.74	22.80	21.05	16.63	38.49	36.39	-1.51	30.21	7.08	5.67
+/- Index	2.72	2.72	5.23	(0.09)	3.00	1.25	1.07	(7.90)	5.83	7.61	(4.22)	4.41
US Fund Large Growth	27	27	26	26	9	9	29	80	7	3	52	7
<b>MFS Mid Cap Value R6</b>	<b>13.45</b>	<b>13.45</b>	<b>71.23</b>	<b>11.96</b>	<b>11.83</b>	<b>11.21</b>	<b>4.40</b>	<b>31.08</b>	<b>-11.31</b>	<b>13.84</b>	<b>15.86</b>	<b>-2.14</b>
Russell Mid Cap Value Index	13.05	13.05	73.76	10.70	11.60	11.05	4.96	27.06	-12.29	13.34	20.00	-4.78
+/- Index	0.40	0.40	(2.53)	1.26	0.23	0.16	(0.57)	4.02	0.98	0.50	(4.14)	2.64
US Fund Mid-Cap Value	74	74	67	24	38	19	40	7	32	44	66	18
<b>Fidelity Mid Cap Index</b>	<b>8.15</b>	<b>8.15</b>	<b>73.59</b>	<b>14.74</b>	<b>14.67</b>	<b>-</b>	<b>17.11</b>	<b>30.51</b>	<b>-9.05</b>	<b>18.47</b>	<b>13.86</b>	<b>-2.44</b>
Russell Mid Cap Index	8.14	8.14	73.64	14.73	14.67	12.47	17.10	30.54	-9.06	18.52	13.80	-2.44
+/- Index	0.01	0.01	(0.05)	0.01	0.00	-	0.01	(0.03)	0.01	(0.05)	0.07	0.00
US Fund Mid-Cap Blend	79	79	52	20	22	-	21	18	29	24	59	27
<b>WTC-CIF II Mid Cap Opportunities (Series 3)</b>	<b>5.19</b>	<b>5.19</b>	<b>74.06</b>	<b>16.31</b>	<b>18.00</b>	<b>13.99</b>	<b>25.16</b>	<b>33.06</b>	<b>-7.03</b>	<b>24.54</b>	<b>12.14</b>	<b>2.20</b>
Russell Mid Cap Growth Index	-0.57	-0.57	68.61	19.41	18.39	14.11	35.59	35.47	-4.75	25.27	7.33	-0.20
+/- Index	5.76	5.76	5.45	(3.10)	(0.39)	(0.12)	(10.43)	(2.41)	(2.28)	(0.73)	4.81	2.40
US Fund Mid-Cap Growth	18	18	44	83	61	42	79	55	64	51	8	24

# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PERFORMANCE REVIEW

First Quarter 2021

	QTR	YTD	1Yr	Annualized			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>DFA US Targeted Value I</b>	<b>25.10</b>	<b>25.10</b>	<b>113.47</b>	<b>10.73</b>	<b>12.48</b>	<b>10.20</b>	<b>3.77</b>	<b>21.47</b>	<b>-15.78</b>	<b>9.59</b>	<b>26.86</b>	<b>-5.72</b>
Russell 2000 Value Index	21.17	21.17	97.05	11.57	13.56	10.06	4.63	22.39	-12.86	7.84	31.74	-7.47
+/- Index	3.93	3.93	16.42	(0.84)	(1.08)	0.14	(0.87)	(0.92)	(2.92)	1.75	(4.88)	1.75
US Fund Small Value	18	18	23	34	32	24	45	52	55	40	40	46
<b>Fidelity Small Cap Index</b>	<b>12.73</b>	<b>12.73</b>	<b>94.97</b>	<b>14.88</b>	<b>16.51</b>	<b>-</b>	<b>19.99</b>	<b>25.71</b>	<b>-10.88</b>	<b>14.85</b>	<b>21.63</b>	<b>-4.24</b>
Russell 2000 Index	12.70	12.70	94.85	14.76	16.35	11.68	19.96	25.52	-11.01	14.65	21.31	-4.41
+/- Index	0.03	0.03	0.12	0.12	0.16	-	0.03	0.18	0.14	0.20	0.32	0.17
US Fund Small Blend	73	73	34	16	7	-	14	30	33	22	40	44
<b>Vanguard Small Growth Index Adm</b>	<b>2.56</b>	<b>2.56</b>	<b>83.09</b>	<b>19.39</b>	<b>19.05</b>	<b>13.16</b>	<b>35.28</b>	<b>32.76</b>	<b>-5.68</b>	<b>21.92</b>	<b>10.73</b>	<b>-2.52</b>
Vanguard US Small Cap Growth Index	2.55	2.55	83.12	19.40	19.04	13.10	35.35	32.75	-5.68	21.90	10.62	-2.60
+/- Index	0.01	0.01	(0.03)	(0.01)	0.01	0.06	(0.07)	0.01	0.00	0.02	0.11	0.09
US Fund Small Growth	75	75	73	50	58	58	52	27	50	46	48	54
<b>MFS International Intrinsic Value Equity R6</b>	<b>-1.79</b>	<b>-1.79</b>	<b>36.80</b>	<b>11.02</b>	<b>11.94</b>	<b>10.81</b>	<b>20.56</b>	<b>25.99</b>	<b>-8.89</b>	<b>27.25</b>	<b>4.31</b>	<b>6.85</b>
MSCI EAFE Value (Net) Index	7.44	7.44	45.71	1.85	6.57	3.65	-2.63	16.09	-14.78	21.44	5.02	-5.68
+/- Index	(9.23)	(9.23)	(8.91)	9.17	5.37	7.16	23.19	9.90	5.89	5.81	(0.72)	12.54
US Fund Foreign Large Value	100	100	91	1	1	1	1	1	2	12	21	2
<b>Fidelity Total International Index</b>	<b>3.91</b>	<b>3.91</b>	<b>52.17</b>	<b>6.42</b>	<b>-</b>	<b>-</b>	<b>11.07</b>	<b>21.48</b>	<b>-14.38</b>	<b>27.63</b>	<b>-</b>	<b>-</b>
MSCI ACWI Ex-USA IMI (Net) Index	3.77	3.77	51.94	6.51	9.84	5.11	11.12	21.63	-14.76	27.81	4.41	-4.60
+/- Index	0.14	0.14	0.23	(0.09)	-	-	(0.04)	(0.16)	0.37	(0.18)	-	-
US Fund Foreign Large Blend	41	41	33	41	-	-	32	53	49	22	-	-

# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PERFORMANCE REVIEW

First Quarter 2021

	QTR	YTD	1Yr	Annualized			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>Vanguard International Growth Adm</b>	<b>-1.03</b>	<b>-1.03</b>	<b>87.14</b>	<b>20.68</b>	<b>22.01</b>	<b>11.92</b>	<b>59.74</b>	<b>31.48</b>	<b>-12.58</b>	<b>43.16</b>	<b>1.84</b>	<b>-0.54</b>
<b>MSCI ACWI Ex-USA Growth (Net) Index</b>	-0.08	-0.08	49.36	10.31	12.03	6.69	22.20	27.34	-14.43	32.01	0.12	-1.25
<b>+/- Index</b>	(0.95)	(0.95)	37.78	10.37	9.98	5.23	37.54	4.14	1.84	11.15	1.72	0.71
<b>US Fund Foreign Large Growth</b>	<b>74</b>	<b>74</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>22</b>	<b>31</b>	<b>6</b>	<b>12</b>	<b>67</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement Income Inv</b>	<b>0.08</b>	<b>0.08</b>	<b>17.02</b>	<b>7.06</b>	<b>6.38</b>	<b>5.66</b>	<b>10.02</b>	<b>13.16</b>	<b>-1.99</b>	<b>8.47</b>	<b>5.25</b>	<b>-0.17</b>
<b>Vanguard Retirement Income Index</b>	0.11	0.11	17.35	7.39	6.64	5.87	10.70	13.40	-1.98	8.67	5.35	0.12
<b>+/- Index</b>	(0.03)	(0.03)	(0.33)	(0.33)	(0.26)	(0.21)	(0.68)	(0.24)	(0.01)	(0.19)	(0.10)	(0.30)
<b>US Fund Target-Date Retirement</b>	<b>62</b>	<b>62</b>	<b>57</b>	<b>32</b>	<b>46</b>	<b>16</b>	<b>36</b>	<b>49</b>	<b>21</b>	<b>62</b>	<b>41</b>	<b>7</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2020 Inv</b>	<b>1.28</b>	<b>1.28</b>	<b>27.16</b>	<b>8.73</b>	<b>8.92</b>	<b>7.68</b>	<b>12.04</b>	<b>17.63</b>	<b>-4.24</b>	<b>14.08</b>	<b>6.95</b>	<b>-0.68</b>
<b>Vanguard Retirement 2020 Index</b>	1.33	1.33	27.45	9.15	9.23	7.96	12.86	17.87	-4.14	14.22	7.17	-0.40
<b>+/- Index</b>	(0.05)	(0.05)	(0.29)	(0.42)	(0.31)	(0.28)	(0.82)	(0.24)	(0.10)	(0.14)	(0.22)	(0.28)
<b>US Fund Target-Date 2020</b>	<b>62</b>	<b>62</b>	<b>47</b>	<b>37</b>	<b>36</b>	<b>19</b>	<b>46</b>	<b>28</b>	<b>42</b>	<b>17</b>	<b>29</b>	<b>23</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2025 Inv</b>	<b>1.86</b>	<b>1.86</b>	<b>32.57</b>	<b>9.62</b>	<b>9.95</b>	<b>8.31</b>	<b>13.30</b>	<b>19.63</b>	<b>-5.15</b>	<b>15.94</b>	<b>7.48</b>	<b>-0.85</b>
<b>Vanguard Retirement 2025 Index</b>	1.91	1.91	32.92	10.10	10.29	8.62	14.19	19.93	-5.01	16.08	7.66	-0.58
<b>+/- Index</b>	(0.05)	(0.05)	(0.35)	(0.48)	(0.34)	(0.31)	(0.89)	(0.30)	(0.14)	(0.14)	(0.18)	(0.27)
<b>US Fund Target-Date 2025</b>	<b>48</b>	<b>48</b>	<b>37</b>	<b>30</b>	<b>29</b>	<b>17</b>	<b>40</b>	<b>22</b>	<b>42</b>	<b>21</b>	<b>23</b>	<b>24</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2030 Inv</b>	<b>2.49</b>	<b>2.49</b>	<b>37.19</b>	<b>10.26</b>	<b>10.77</b>	<b>8.84</b>	<b>14.10</b>	<b>21.07</b>	<b>-5.86</b>	<b>17.52</b>	<b>7.85</b>	<b>-1.03</b>
<b>Vanguard Retirement 2030 Index</b>	2.54	2.54	37.46	10.73	11.10	9.13	14.96	21.33	-5.74	17.65	8.11	-0.80
<b>+/- Index</b>	(0.05)	(0.05)	(0.27)	(0.47)	(0.33)	(0.29)	(0.86)	(0.26)	(0.12)	(0.13)	(0.26)	(0.23)
<b>US Fund Target-Date 2030</b>	<b>68</b>	<b>68</b>	<b>48</b>	<b>41</b>	<b>36</b>	<b>23</b>	<b>38</b>	<b>32</b>	<b>37</b>	<b>34</b>	<b>32</b>	<b>31</b>

# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PERFORMANCE REVIEW

First Quarter 2021

	QTR	YTD	1Yr	Annualized			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>Vanguard Target Retirement 2035 Inv</b>	<b>3.17</b>	<b>3.17</b>	<b>41.87</b>	<b>10.86</b>	<b>11.57</b>	<b>9.33</b>	<b>14.79</b>	<b>22.44</b>	<b>-6.58</b>	<b>19.12</b>	<b>8.26</b>	<b>-1.26</b>
Vanguard Retirement 2035 Index	3.19	3.19	42.14	11.32	11.90	9.64	15.67	22.76	-6.48	19.24	8.55	-1.02
+/- Index	(0.02)	(0.02)	(0.27)	(0.46)	(0.33)	(0.31)	(0.87)	(0.33)	(0.10)	(0.12)	(0.29)	(0.24)
<b>US Fund Target-Date 2035</b>	<b>73</b>	<b>73</b>	<b>60</b>	<b>48</b>	<b>42</b>	<b>29</b>	<b>43</b>	<b>42</b>	<b>32</b>	<b>35</b>	<b>32</b>	<b>37</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2040 Inv</b>	<b>3.82</b>	<b>3.82</b>	<b>46.64</b>	<b>11.43</b>	<b>12.36</b>	<b>9.79</b>	<b>15.47</b>	<b>23.86</b>	<b>-7.32</b>	<b>20.71</b>	<b>8.73</b>	<b>-1.59</b>
Vanguard Retirement 2040 Index	3.84	3.84	46.92	11.90	12.69	10.11	16.31	24.19	-7.22	20.87	8.98	-1.25
+/- Index	(0.02)	(0.02)	(0.28)	(0.47)	(0.33)	(0.32)	(0.83)	(0.33)	(0.11)	(0.16)	(0.25)	(0.34)
<b>US Fund Target-Date 2040</b>	<b>77</b>	<b>77</b>	<b>59</b>	<b>46</b>	<b>39</b>	<b>26</b>	<b>40</b>	<b>43</b>	<b>37</b>	<b>25</b>	<b>27</b>	<b>43</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2045 Inv</b>	<b>4.47</b>	<b>4.47</b>	<b>51.64</b>	<b>12.03</b>	<b>12.89</b>	<b>10.04</b>	<b>16.30</b>	<b>24.94</b>	<b>-7.90</b>	<b>21.42</b>	<b>8.87</b>	<b>-1.57</b>
Vanguard Retirement 2045 Index	4.49	4.49	51.85	12.50	13.21	10.36	17.03	25.36	-7.77	21.54	9.13	-1.25
+/- Index	(0.02)	(0.02)	(0.21)	(0.47)	(0.32)	(0.32)	(0.73)	(0.42)	(0.13)	(0.11)	(0.26)	(0.32)
<b>US Fund Target-Date 2045</b>	<b>73</b>	<b>73</b>	<b>47</b>	<b>37</b>	<b>32</b>	<b>22</b>	<b>36</b>	<b>43</b>	<b>43</b>	<b>26</b>	<b>28</b>	<b>42</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2050 Inv</b>	<b>4.53</b>	<b>4.53</b>	<b>51.82</b>	<b>12.09</b>	<b>12.93</b>	<b>10.06</b>	<b>16.39</b>	<b>24.98</b>	<b>-7.90</b>	<b>21.39</b>	<b>8.85</b>	<b>-1.58</b>
Vanguard Retirement 2050 Index	4.59	4.59	52.18	12.58	13.26	10.39	17.18	25.36	-7.77	21.54	9.13	-1.25
+/- Index	(0.06)	(0.06)	(0.36)	(0.49)	(0.33)	(0.33)	(0.79)	(0.38)	(0.13)	(0.14)	(0.28)	(0.32)
<b>US Fund Target-Date 2050</b>	<b>80</b>	<b>80</b>	<b>59</b>	<b>43</b>	<b>40</b>	<b>24</b>	<b>37</b>	<b>47</b>	<b>37</b>	<b>38</b>	<b>29</b>	<b>45</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2055 Inv</b>	<b>4.54</b>	<b>4.54</b>	<b>51.79</b>	<b>12.07</b>	<b>12.92</b>	<b>10.06</b>	<b>16.32</b>	<b>24.98</b>	<b>-7.89</b>	<b>21.38</b>	<b>8.88</b>	<b>-1.72</b>
Vanguard Retirement 2055 Index	4.59	4.59	52.18	12.58	13.26	10.39	17.18	25.36	-7.77	21.54	9.13	-1.25
+/- Index	(0.05)	(0.05)	(0.39)	(0.51)	(0.34)	(0.33)	(0.86)	(0.38)	(0.12)	(0.16)	(0.25)	(0.46)
<b>US Fund Target-Date 2055</b>	<b>85</b>	<b>85</b>	<b>66</b>	<b>45</b>	<b>45</b>	<b>30</b>	<b>41</b>	<b>51</b>	<b>37</b>	<b>48</b>	<b>27</b>	<b>53</b>

**CITY OF SANTA CLARA**

457 Deferred Compensation Plan

**PERFORMANCE REVIEW**

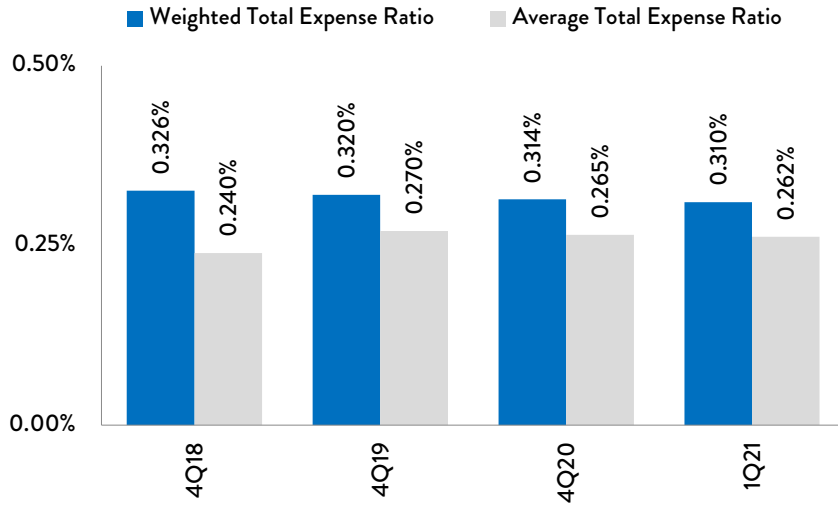
First Quarter 2021

	QTR	YTD	1Yr	<i>Annualized</i>			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>Vanguard Target Retirement 2060 Inv</b>	4.54	4.54	51.75	12.06	12.91	-	16.32	24.96	-7.87	21.36	8.84	-1.68
Vanguard Retirement 2060 Index	4.59	4.59	52.18	12.58	13.26	-	17.18	25.36	-7.77	21.54	9.13	-1.25
+/- Index	(0.05)	(0.05)	(0.43)	(0.52)	(0.35)	-	(0.85)	(0.40)	(0.10)	(0.18)	(0.28)	(0.43)
<b>US Fund Target-Date 2060+</b>	85	85	71	52	57	-	42	66	34	53	21	46

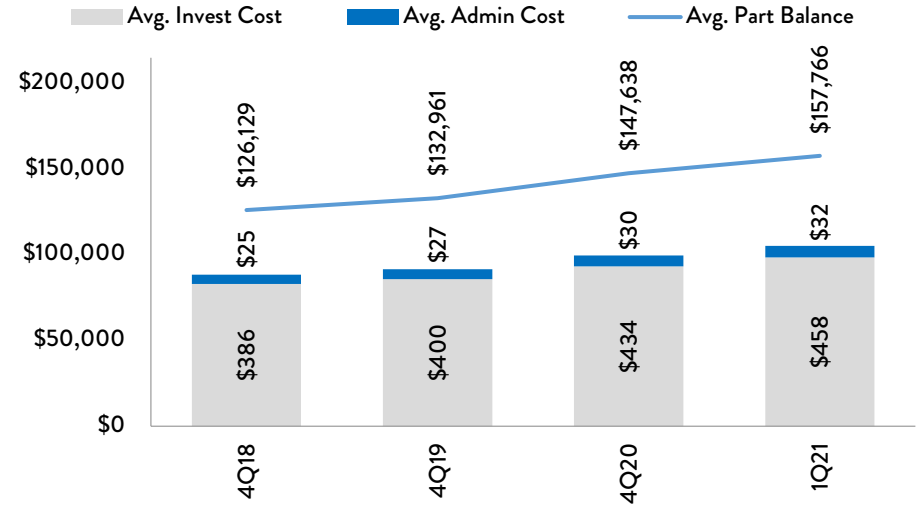
**This page left blank intentionally.**

# Section 4

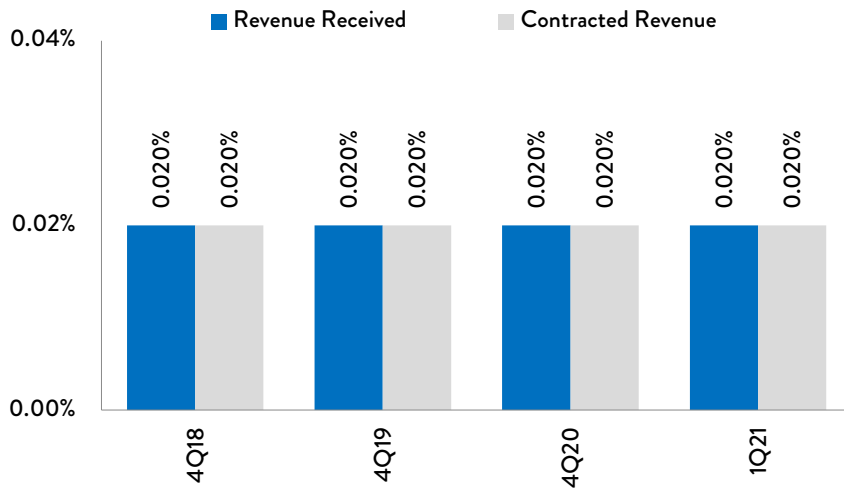
**Annualized Plan Cost (%)**



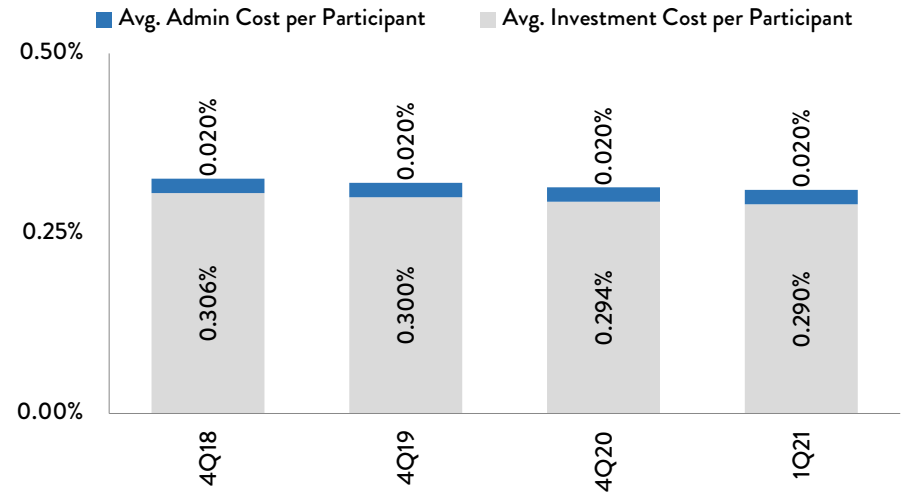
**Average Participant Balance and Cost (\$)**



**Annualized Contracted Revenue v. Revenue Received (as a % of total assets)**



**Annualized Investment Cost Summary (as a % of total assets)**





**CITY OF SANTA CLARA**  
457 Deferred Compensation Plan

**PLAN FEE ANALYSIS**  
First Quarter 2021

*Annualized*

Fund	Ticker	Quarter Average			Est. Total Invest.	Est. Total Admin.
		Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Nationwide Fixed Fund*	-	\$62,422,764	0.40%	0.02%	\$249,691	\$12,485
Fidelity US Bond Index	FXNAX	\$2,658,480	0.03%	0.02%	\$665	\$532
Sterling Capital Total Return Bond R6	STRDX	\$3,990,036	0.35%	0.02%	\$13,965	\$798
Hotchkis & Wiley High Yield Z	HWHZX	\$1,311,228	0.60%	0.02%	\$7,867	\$262
DFA US Large Cap Value I	DFLVX	\$7,217,760	0.22%	0.02%	\$15,879	\$1,444
Fidelity 500 Index	FXAIX	\$31,768,334	0.02%	0.02%	\$4,765	\$6,354
T. Rowe Price Large Cap Growth I	TRLGX	\$20,540,277	0.56%	0.02%	\$115,026	\$4,108
MFS Mid Cap Value R6	MVCKX	\$1,457,304	0.68%	0.02%	\$9,910	\$291
Fidelity Mid Cap Index	FSMDX	\$2,369,744	0.03%	0.02%	\$592	\$474
WTC-CIF II Mid Cap Opportunities (Series 3)	-	\$10,521,230	0.57%	0.02%	\$59,971	\$2,104
DFA US Targeted Value I	DFFVX	\$2,603,617	0.33%	0.02%	\$8,592	\$521
Fidelity Small Cap Index	FSSNX	\$1,565,804	0.03%	0.02%	\$391	\$313
Vanguard Small Growth Index Adm	VSGAX	\$4,922,138	0.07%	0.02%	\$3,445	\$984
MFS International Intrinsic Value Equity R6	MINJX	\$4,441,569	0.63%	0.02%	\$27,982	\$888
Fidelity Total International Index	FTIHX	\$4,270,062	0.06%	0.02%	\$2,562	\$854
Vanguard International Growth Adm	VWILX	\$9,006,825	0.33%	0.02%	\$29,723	\$1,801
Vanguard Target Retirement Income Inv	VTINX	\$1,297,032	0.12%	0.02%	\$1,556	\$259
Vanguard Target Retirement 2020 Inv	VTWNX	\$1,014,329	0.13%	0.02%	\$1,319	\$203
Vanguard Target Retirement 2025 Inv	VTTVX	\$14,978,175	0.13%	0.02%	\$19,472	\$2,996
Vanguard Target Retirement 2030 Inv	VTHRX	\$725,621	0.14%	0.02%	\$1,016	\$145
Vanguard Target Retirement 2035 Inv	VTTHX	\$7,490,910	0.14%	0.02%	\$10,487	\$1,498
Vanguard Target Retirement 2040 Inv	VFORX	\$558,681	0.14%	0.02%	\$782	\$112
Vanguard Target Retirement 2045 Inv	VTIVX	\$7,146,821	0.15%	0.02%	\$10,720	\$1,429
Vanguard Target Retirement 2050 Inv	VFIFX	\$564,902	0.15%	0.02%	\$847	\$113
Vanguard Target Retirement 2055 Inv	VFFVX	\$1,422,628	0.15%	0.02%	\$2,134	\$285
Vanguard Target Retirement 2060 Inv	VTTSX	\$250,015	0.15%	0.02%	\$375	\$50
<b>TOTAL</b>		<b>\$206,516,288</b>			<b>\$599,735</b>	<b>\$41,303</b>

Plan Administration Cost	Quarter	Annualized
Plan Generated Revenue (est):	\$10,326	\$41,303

\*No explicit expense ratio stated for the fund. For reporting purposes, an expense of 0.40% is assumed.

# Section 5

# DFA US Large Cap Value I (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat  
**Silver** **★★★★** S&P 500 TR USD Russell 1000 Value US Fund Large Value  
 12-14-2020 1,138 US Fund Large Value TR USD

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	10.79	3.09	0.71	9.06	25.45
2020	-31.52	16.42	5.20	18.52	-0.61
2021	14.72	—	—	—	14.72
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	66.52	8.98	12.29	11.17	10.19
Std 03-31-2021	66.52	—	12.29	11.17	10.19
Total Return	66.52	8.98	12.29	11.17	10.19
+/- Std Index	10.16	-7.90	-4.00	-2.75	—
+/- Cat Index	10.43	-1.99	0.55	0.17	—
% Rank Cat	22	73	34	30	—
No. in Cat	1209	1138	1007	729	—

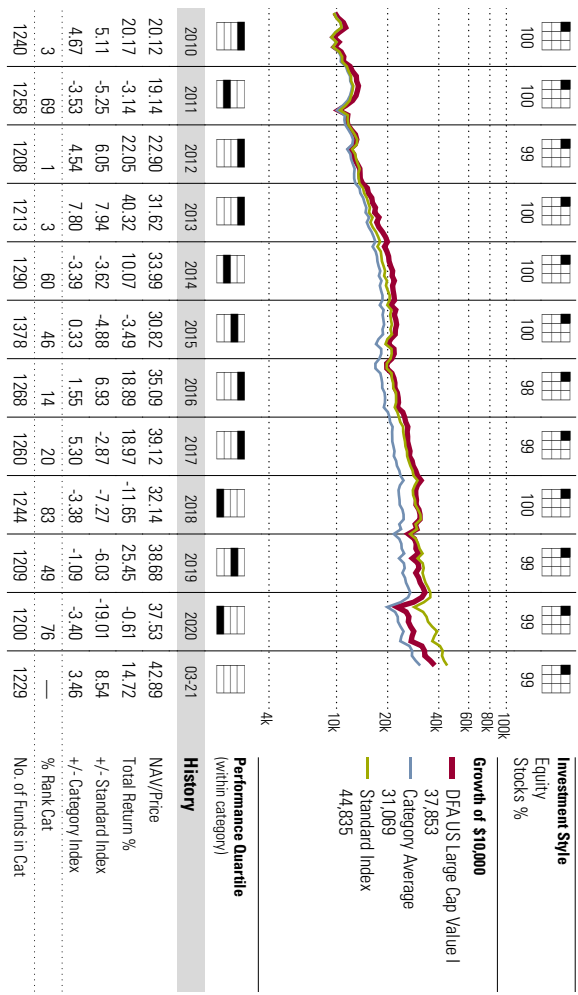
7-day Yield Subsidized Unsubsidized  
 30-day SEC Yield — —

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 888-576-1187 or visit [www.dimensional.com](http://www.dimensional.com).

Fees and Expenses	
Sales Charges	NA
Front-End Load %	NA
Deferred Load %	NA
Fund Expenses	0.29
Management Fees %	NA
12bt Expense %	NA
Net Expense Ratio %	0.22
Gross Expense Ratio %	0.32
<b>Risk and Return Profile</b>	
Morningstar Rating™	3 Yr: 3★ 5 Yr: 3★ 10 Yr: 3★
Morningstar Risk	+Avg +Avg High
Morningstar Return	-Avg +Avg +Avg
Standard Deviation	23.08 18.67 16.86
Mean	8.98 12.29 11.17
Sharpe Ratio	0.43 0.66 0.88
MPI Statistics	Standard Index Best Fit Index Russell 3000 Value TR USD
Alpha	-9.02
Beta	1.19
R-Squared	90.36
12-Month Yield	—
Potential Cap Gains Exp	16.65%



Portfolio Analysis 02-28-2021			
Asset Allocation %	Net %	Long %	Short %
Cash	0.54	0.54	0.00
US Stocks	97.72	97.72	0.00
Non-US Stocks	1.75	1.75	0.00
Bonds	0.00	0.00	0.00
Other/Not Cstfd	0.00	0.00	0.00
Total	100.00	100.00	0.00
Equity Style			
Value	Brand	Growth	Rel
Large	Med	Ext	Cat
High	Med	Low	Rel
Portfolio Statistics			
P/E Ratio TTM	19.3	0.67	0.84
P/C Ratio TTM	9.7	0.57	0.74
P/B Ratio TTM	1.9	0.47	0.73
Geo Avg Mkt Cap	58852	0.33	0.50
Share Clng	Amount	Share	Holdings
01-2021	15%	Turnover Ratio	338 Total Stocks: 0 Total Fixed-Income, 15% Turnover Ratio
6 mil	JPMorgan Chase & Co	3.57	
11 mil	Intel Corp	2.88	
12 mil	Comcast Corp Class A	2.80	
20 mil	AT&T Inc	2.38	
15 mil	Pfizer Inc	2.25	
730,155	Charter Communications Inc A	1.96	
2 mil	Berkshire Hathaway Inc Class B	1.90	
2 mil	The Walt Disney Co	1.59	
4 mil	Micron Technology Inc	1.52	
6 mil	Exxon Mobil Corp	1.52	
5 mil	Citigroup Inc	1.35	
4 mil	CVS Health Corp	1.29	
925,099	Goldman Sachs Group Inc	1.29	
4 mil	Morgan Stanley	1.27	
640,453	Thermo Fisher Scientific Inc	1.26	

Fixed-Income Style			
Lat	Med	Ext	Bond %
High	Med	Low	—
Credit Quality Breakdown —			
AAA	AA	A	—
AAA	BBB	BB	—
BB	B	Below B	—
NR	NR	NR	—
Regional Exposure			
Americas	98.2	Rel Std Index	0.99
Greater Europe	1.5		1.74
Greater Asia	0.3		1.38

Sector Weightings			
Cyclical	Stocks %	Rel Std Index	
Basic Materials	36.3	1.16	
Consumer Cyclical	6.2	2.63	
Consumer Services	7.8	0.64	
Financial Services	22.0	1.55	
Real Estate	0.4	0.14	
Sensitive	Stocks %	Rel Std Index	
Communication Services	42.9	1.05	
Energy	7.1	2.52	
Industrials	12.9	1.40	
Technology	11.4	0.49	
Defensive	Stocks %	Rel Std Index	
Consumer Defensive	20.9	4.9	0.74
Healthcare	4.9	15.8	1.20
Utilities	0.2	0.09	

Operations	
Family:	Dimensional Fund Advisors
Manager:	Multiple
Tenure:	9.2 Years
Objective:	Growth and Income
Base Currency:	USD
Ticker:	DLVX
SIN:	US2332038270
Minimum Initial Purchase:	\$0
Purchase Constraints:	A
Incept:	02-19-1993
Type:	MIF
Total Assets:	\$24,526.26 mil

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# DFA US Targeted Value I (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat  
**Silver** **★★★★** 402 US Fund Small Value S&P 500 TR USD Russell 2000 Value US Fund Small Value  
 05-14-2020 TR USD

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	12.14	0.95	-1.19	8.59	21.47
2020	-39.19	23.56	4.02	32.77	3.77
2021	25.10	—	—	—	25.10
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	113.47	10.73	12.48	10.20	11.43
Std 03-31-2021	113.47	—	12.48	10.20	11.43
Total Return	113.47	10.73	12.48	10.20	11.43
+/- Std Index	57.12	-6.05	-3.81	-3.72	—
+/- Cat Index	16.41	-0.94	-1.08	0.14	—
% Rank Cat	23	34	33	24	—
No. in Cat	428	402	372	269	—

7-day Yield — Subsidized Unsubsidized  
 30-day SEC Yield — —

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 888-576-1167 or visit [www.dimensional.com](http://www.dimensional.com).

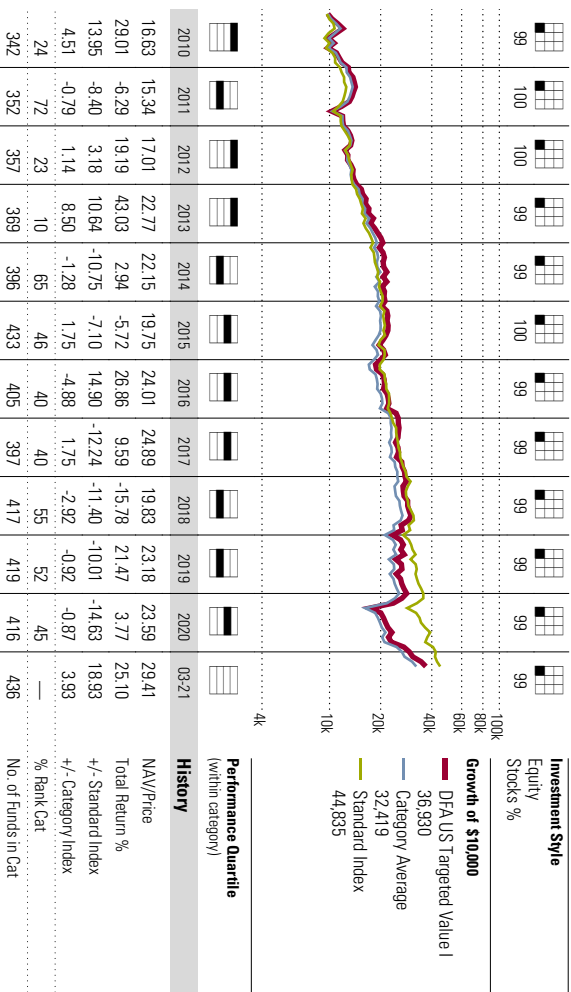
Fees and Expenses			
<b>Sales Charges</b>			
<b>Front-End Load %</b>	NA		
<b>Deferred Load %</b>	NA		
<b>Fund Expenses</b>			
Management Fees %	0.30		
12B1 Expense %	NA		
<b>Net Expense Ratio %</b>	0.33		
<b>Gross Expense Ratio %</b>	0.33		
Risk and Return Profile			
	3 Yr	5 Yr	10 Yr
Morningstar Rating™	402 funds	372 funds	269 funds
	3★	3★	3★
Morningstar Risk	+Avg	+Avg	+Avg
Morningstar Return	Avg	+Avg	+Avg

MPT Statistics					
	Standard Index	Best Fit Index	Russell 2000 Value	TR USD	TR USD
Alpha	-9.94	-1.23	-1.23	-1.23	-1.23
Beta	1.47	1.10	1.10	1.10	1.10
R-Squared	82.14	98.79	98.79	98.79	98.79
12-Month Yield	—	—	—	—	—
Potential Cap Gains Exp	-3.67%	—	—	—	—

**Operations**  
 Family: Dimensional Fund Advisors  
 Manager: Multiple  
 Tenure: 9.2 Years  
 Objective: Growth and Income

Base Currency: USD  
 Ticker: DFFX  
 SIN: US2323035953  
 Minimum Initial Purchase: \$0

Purchase Constraints: A  
 Incept: 02-23-2000  
 Type: MF  
 Total Assets: \$12,669.94 mil



Portfolio Analysis 02-28-2021					
Asset Allocation %			Net %	Long %	Short %
Cash	29.01	-6.29	19.19	43.03	2.94
US Stocks	13.95	-8.40	3.18	10.64	-10.75
Non-US Stocks	4.51	-0.79	1.14	8.50	-1.28
Bonds	24	72	23	10	65
Other/Not Cstfd	342	352	357	369	396
Total	100.00	100.00	100.00	100.00	100.00

Equity Style					
Value	Brand	Geom	Port	Rel	Rel
Avg	Index	Cat	Avg	Index	Cat
P/E Ratio TTM	16.2	0.56	0.80	0.80	0.80
P/C Ratio TTM	7.2	0.42	0.80	0.80	0.80
P/B Ratio TTM	1.5	0.36	0.86	0.86	0.86
Geo Avg Mkt Cap	3019	0.02	0.83	0.83	0.83

Fixed-Income Style					
Ltd	Med	Ext	High	Med	Low

Credit Quality Breakdown					
	Avg Eff Maturity	Avg Eff Duration	Avg Wtd Coupon	Avg Wtd Price	Bond %
AAA	—	—	—	—	—
AA	—	—	—	—	—
A	—	—	—	—	—
BBB	—	—	—	—	—
BB	—	—	—	—	—
B	—	—	—	—	—
Below B	—	—	—	—	—

Regional Exposure					
	Stocks %	Rel Std Index			
Americas	98.6	1.00			
Greater Europe	0.7	0.87			
Greater Asia	0.6	3.06			

Sector Weightings					
	Stocks %	Rel Std Index			
<b>Cyclical</b>	<b>50.1</b>	<b>1.61</b>			
Basic Materials	7.9	3.38			
Consumer Cyclical	15.0	1.23			
Financial Services	26.5	1.87			
Real Estate	0.7	0.27			
<b>Sensitive</b>	<b>39.8</b>	<b>0.86</b>			
Communication Services	3.0	0.27			
Energy	5.9	2.12			
Industrials	21.2	2.30			
Technology	9.8	0.42			
<b>Defensive</b>	<b>10.0</b>	<b>0.45</b>			
Consumer Defensive	5.2	0.79			
Healthcare	4.6	0.35			
Utilities	0.2	0.09			

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc., including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. This report is supplemental sales literature. If applicable it must be predated.



# Fidelity® 500 Index (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat  
**Gold** **★★★★** S&P 500 TR USD Russell 1000 TR US Fund Large Blend  
 02-23-2021 1,225 US Fund Large Blend USD

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	13.65	4.30	1.69	9.06	31.47
2020	-19.59	20.53	8.94	12.14	18.40
2021	6.18	—	—	—	6.18
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	56.34	16.77	16.28	—	13.84
Std 03-31-2021	56.34	—	16.28	—	13.84
Total Return	56.34	16.77	16.28	13.90	13.84
+/- Std Index	-0.01	-0.01	-0.01	-0.01	—
+/- Cat Index	-4.24	-0.54	-0.38	-0.07	—
% Rank Cat	52	25	22	11	—
No. in Cat	1351	1225	1068	809	—

7-day Yield Subsidized Unsubsidized  
 30-day SEC Yield — —

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-335-5092 or visit [www.institutional.fidelity.com](http://www.institutional.fidelity.com).

Fees and Expenses			
<b>Sales Charges</b>			
<b>Front-End Load %</b>		<b>NA</b>	<b>NA</b>
<b>Deferred Load %</b>		<b>NA</b>	<b>NA</b>
<b>Fund Expenses</b>			
Management Fees %		0.02	0.02
12bt Expense %		NA	NA
<b>Net Expense Ratio %</b>		<b>0.02</b>	<b>0.02</b>
<b>Gross Expense Ratio %</b>		<b>0.02</b>	<b>0.02</b>
<b>Risk and Return Profile</b>			

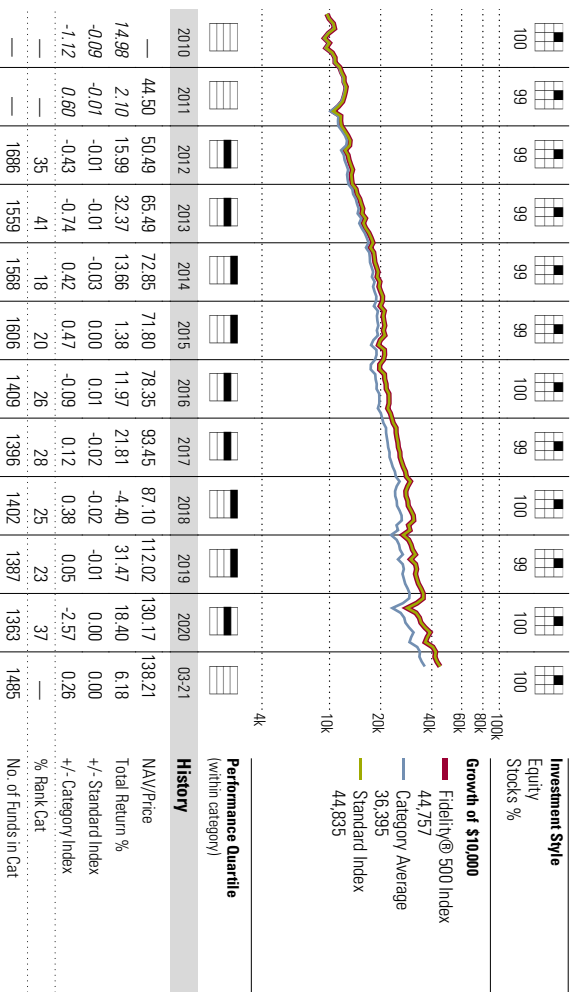
	3 Yr	5 Yr	10 Yr
Morningstar Rating™	1225 funds	1068 funds	809 funds
Morningstar Rating	4★	4★	5★
Morningstar Risk	Avg	Avg	5★
Morningstar Return	+Avg	+Avg	+Avg
Standard Deviation	3 Yr	5 Yr	10 Yr
Mean	18.40	14.89	13.59
Beta	16.77	16.28	13.90
Sharpe Ratio	0.86	1.01	0.99

MPI Statistics	Standard Index	Best Fit Index
Alpha	-0.01	-0.01
Beta	1.00	1.00
R-Squared	100.00	100.00
12-Month Yield	—	—
Potential Cap Gains Exp	—	35.69%

**Operations**  
 Family: Fidelity Investments  
 Manager: Multiple  
 Tenure: 12.3 Years  
 Objective: Growth and Income

Base Currency: USD  
 Ticker: FXAIX  
 ISIN: US3159117502  
 Minimum Initial Purchase: \$0

Purchase Constraints: A  
 Incept: 05-04-2011  
 Type: MF  
 Total Assets: \$308,434,17 mil



Portfolio Analysis 02-28-2021			
Asset Allocation %	Net %	Long %	Short %
Cash	0.18	0.18	0.00
US Stocks	98.94	98.94	0.00
Non-US Stocks	0.88	0.88	0.00
Bonds	0.00	0.00	0.00
Other/Not Cstfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

Equity Style			
Value	Brand	Growth	Rel
Large	Med	Ext	High
Med	Med	Med	Med
Small	Small	Low	Low

Fixed-Income Style			
Value	Brand	Growth	Rel
Large	Med	Ext	High
Med	Med	Med	Med
Small	Small	Low	Low

Credit Quality Breakdown			
AAA	AA	A	Bond %
AAA	AA	A	—
BBB	BB	B	—
BB	B	B	—
Below B	Below B	Below B	—
NR	NR	NR	—

Regional Exposure			
Stocks %	Rel Std Index	Stocks %	Rel Std Index
Americas	99.1	1.00	1.00
Greater Europe	0.8	0.98	0.98
Greater Asia	0.1	0.24	0.24

Share Cng	Share	Holdings	Net Assets
since	Amount	505 Total Stocks: 0 Total Fixed-Income, 4% Turnover Ratio	%
01-2021	145 mil	Apple Inc	6.00
—	68 mil	Microsoft Corp	5.44
—	4 mil	Amazon.com Inc	4.08
—	22 mil	Facebook Inc A	1.92
—	3 mil	Alphabet Inc A	1.88
—	3 mil	Alphabet Inc Class C	1.83
—	7 mil	Tesla Inc	1.59
—	18 mil	Berkshire Hathaway Inc Class B	1.45
—	28 mil	JPMorgan Chase & Co	1.39
—	24 mil	Johnson & Johnson	1.29
—	15 mil	Visa Inc Class A	1.11
—	16 mil	The Walt Disney Co	1.06
—	6 mil	NVIDIA Corp	1.05
—	9 mil	UnitedHealth Group Inc	0.98
—	8 mil	Mastercard Inc A	0.96

Sector Weightings			
Stocks %	Rel Std Index	Stocks %	Rel Std Index
<b>Cyclical</b>	<b>31.2</b>	<b>1.00</b>	<b>1.00</b>
Basic Materials	2.3	0.97	0.97
Consumer Cyclical	12.2	1.00	1.00
Financial Services	14.3	1.01	1.01
Real Estate	2.4	0.99	0.99
<b>Sensitive</b>	<b>46.7</b>	<b>1.01</b>	<b>1.01</b>
Communication Services	11.1	1.01	1.01
Energy	2.8	1.01	1.01
Industrials	8.8	0.96	0.96
Technology	24.0	1.02	1.02
<b>Defensive</b>	<b>22.1</b>	<b>0.99</b>	<b>0.99</b>
Consumer Defensive	6.4	0.97	0.97
Healthcare	13.2	1.01	1.01
Utilities	2.5	0.94	0.94

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.





# Fidelity® Mid Cap Index (USD)

**Morningstar Quantitative** **Rating™** **Gold**<sup>o</sup> **Overall Morningstar Rating™** **Standard Index** **Category Index** **Morningstar Cat**  
**★★★★★** **376 US Fund Mid-Cap Blend** **SGP 500 TR USD** **Russell Mid Cap TR** **US Fund Mid-Cap Blend**  
 02-28-2021

Performance 03-31-2021	03-31-2021				Total %
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	
Quarterly Returns	16.53	4.14	0.44	7.06	30.51
2019	-27.04	24.55	7.49	19.89	17.11
2020	8.15	—	—	—	8.15
2021	—	—	—	—	—
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	73.59	14.74	14.67	—	14.64
Std 03-31-2021	73.59	—	14.67	—	14.64
Total Return	73.59	14.74	14.67	—	14.64
+/- Std Index	17.24	-2.04	-1.62	—	—
+/- Cat Index	-0.04	0.01	0.00	—	—
% Rank Cat	52	19	22	—	—
No. in Cat	406	376	309	—	—

7-day Yield — Subsidized  
 30-day SEC Yield — Unsubsidized

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit [www.institutional.fidelity.com](http://www.institutional.fidelity.com).

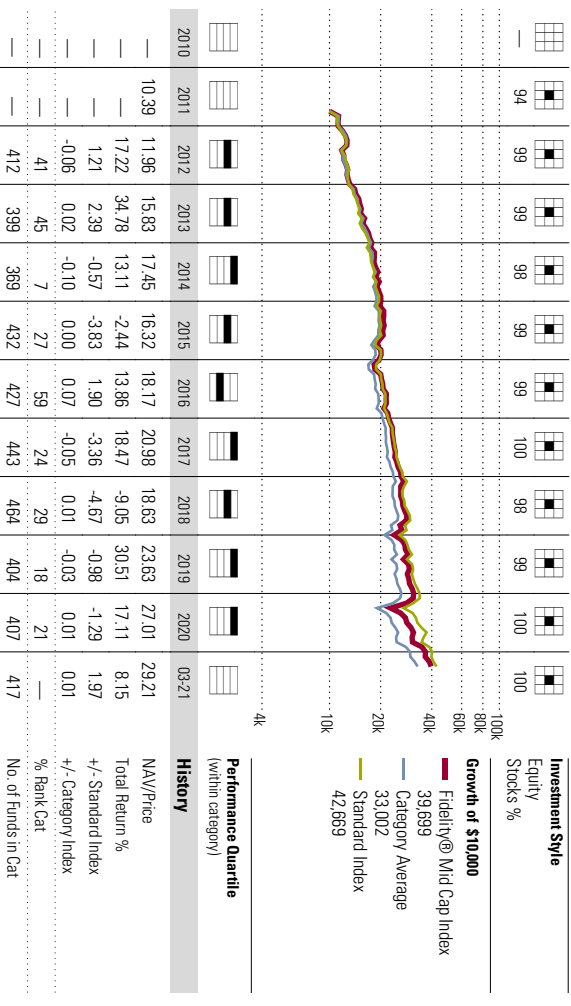
Category	Value	Brand	Growth
<b>Front-End Load %</b>	NA		
<b>Deferred Load %</b>	NA		
<b>Fund Expenses</b>	0.03		
Management Fees %	0.03		
12bt Expense %	NA		
<b>Net Expense Ratio %</b>	0.03		
<b>Gross Expense Ratio %</b>	0.03		
<b>Risk and Return Profile</b>			

Morningstar Rating™	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3/5 funds	309 funds	215 funds
Morningstar Risk	4★	4★	—
Morningstar Return	Avg	Avg	—
	+Avg	+Avg	—
Standard Deviation	3 Yr	5 Yr	10 Yr
	22.01	17.57	—
Mean	14.74	14.67	—
Sharpe Ratio	0.67	0.81	—
MPI Statistics	Standard Index	Best Fit Index	Morningstar US Mid Cap TR USD
Alpha	-3.41	-0.70	—
Beta	1.15	1.01	—
R-Squared	92.64	99.85	—
12-Month Yield	—	—	-2.48%
Potential Cap Gains Exp	—	—	—

**Operations**  
 Family: Fidelity Investments  
 Manager: Multiple  
 Tenure: 9.6 Years  
 Objective: Growth

Base Currency: USD  
 Ticker: FSMDX  
 SIN: US3161462656  
 Minimum Initial Purchase: \$0

Purchase Constraints: A  
 Incept: 09-08-2011  
 Type: MF  
 Total Assets: \$20,643,83 mil



**Portfolio Analysis 02-28-2021**

Asset Allocation %	Net %	Long %	Short %
Cash	0.29	0.29	0.00
US Stocks	98.08	98.08	0.00
Non-US Stocks	1.63	1.63	0.00
Bonds	0.00	0.00	0.00
Other/Not Cstfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

**Equity Style**

Value	Brand	Growth	Port	Avg	Index	Rel	Rel
Large	Mid	Small	Index	Index	Index	Index	Index
High	Med	Low					
High	Med	Low					

**Fixed-Income Style**

Value	Brand	Growth	Port	Avg	Index	Rel	Rel
Large	Mid	Small	Index	Index	Index	Index	Index
High	Med	Low					
High	Med	Low					

**Credit Quality Breakdown** —

AAA	AA	A	BBB	BB	B	Below B	NR
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

**Regional Exposure**

Stocks %	Rel Std Index
Americas	98.6
Greater Europe	0.8
Greater Asia	0.6
	3.04

**Share Cng**

Share since 01-2021	Amount	Holdings: 819 Total Stocks, 0 Total Fixed-Income, 14% Turnover Ratio	Net Assets %
2 mil	Twitter Inc	0.61	
286,365	Twilio Inc A	0.57	
3 mil	Freepor-t+McMoran Inc	0.50	
309,245	KLA Corp	0.49	
8 mil	Ford Motor Co	0.46	
155,492	Align Technology Inc	0.45	
588,673	Moderna Inc	0.45	
167,578	IDEXX Laboratories Inc	0.44	
216,959	Roku Inc Class A	0.43	
1 mil	Johnson Controls International PLC	0.41	
355,149	DocuSign Inc	0.41	
260,774	Spotify Technology SA	0.41	
55,477	Chipotle Mexican Grill Inc	0.41	
533,548	Aptiv PLC	0.40	
3 mil	HP Inc	0.40	

**Sector Weightings**

Cyclical	Stocks %	Rel Std Index
Basic Materials	36.1	1.16
Consumer Cyclical	4.3	1.85
Financial Services	12.7	1.04
Real Estate	11.5	0.81
	7.6	3.10
<b>Sensitive</b>	<b>43.0</b>	<b>0.93</b>
Communication Services	6.1	0.56
Energy	3.1	1.09
Industrials	14.1	1.53
Technology	19.8	0.84
<b>Defensive</b>	<b>20.8</b>	<b>0.93</b>
Consumer Defensive	4.1	0.62
Healthcare	12.4	0.94
Utilities	4.4	1.64

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclose statement. Please see important disclosures at the end of this report.



# Fidelity® Small Cap Index (USD)

Morningstar Quantitative Rating™ **Bronze** Overall Morningstar Rating™ **★★★★★** S&P 500 TR USD Category Index Morningstar Cat  
 609 US Fund Small Blend Russell 2000 TR US Fund Small Blend USD

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	14.56	2.13	-2.34	10.01	25.71
2020	-30.62	25.49	4.98	31.28	19.99
2021	12.73	—	—	—	12.73
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	94.97	14.88	16.51	—	14.64
Std 03-31-2021	94.97	—	16.51	—	14.64
Total Return	94.97	14.88	16.51	—	14.64
+/- Std Index	38.62	-1.90	0.22	—	—
+/- Cat Index	0.12	0.12	0.16	—	—
% Rank Cat	34	17	7	—	—
No. in Cat	656	609	512	—	—

7-day Yield **Subsidized**  
 30-day SEC Yield **Unsubsidized**

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit [www.institutional.fidelity.com](http://www.institutional.fidelity.com).

## Fees and Expenses

**Sales Charges**  
**Front-End Load %** **NA**  
**Deferred Load %** **NA**

## Fund Expenses

Management Fees % 0.03  
 12b1 Expense % NA  
**Net Expense Ratio %** **0.03**  
**Gross Expense Ratio %** **0.03**  
**Risk and Return Profile**

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	609 funds	512 funds	367 funds
Morningstar Risk	4★	5★	—
Morningstar Return	Avg	Avg	High
	+Avg	High	—

	3 Yr	5 Yr	10 Yr
Standard Deviation	25.68	21.00	—
Mean	14.88	16.51	—
Sharpe Ratio	0.62	0.78	—

## MPI Statistics

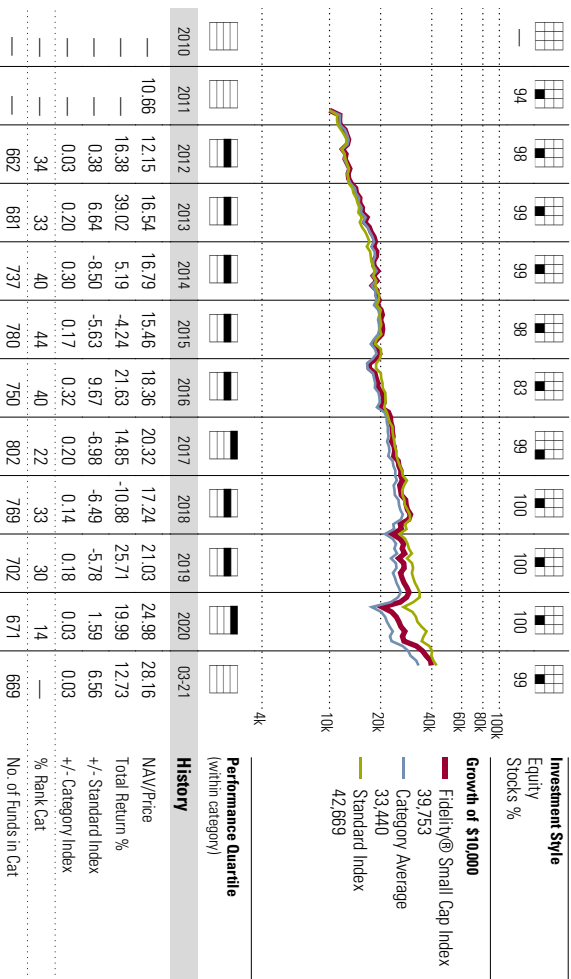
	Standard Index	Best Fit Index
Alpha	-4.57	0.11
Beta	1.29	1.00
R-Squared	84.96	100.00
12-Month Yield	—	—
Potential Cap Gains Exp	—	-14.47%

## Operations

Family: Fidelity Investments  
 Manager: Multiple  
 Tenure: 9.6 Years  
 Objective: Small Company

Base Currency: USD  
 Ticker: FSSNX  
 ISIN: US3161461823  
 Minimum Initial Purchase: \$0

Purchase Constraints: A  
 Incept: 09-08-2011  
 Type: MF  
 Total Assets: \$20,252.59 mil



**Portfolio Analysis 01-31-2021**

Asset Allocation %	Net %	Long %	Short %
Cash	0.90	0.90	0.00
US Stocks	98.31	98.31	0.00
Non-US Stocks	0.77	0.77	0.00
Bonds	0.03	0.03	0.00
Other/Not Cstfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

**Equity Style**

Value	Brand	Geom	Port	Rel	Rel
Avg	Index	Cat	Avg	Index	Cat
P/E Ratio TTM	20.4	0.71	0.80		
P/C Ratio TTM	10.1	0.59	0.87		
P/B Ratio TTM	2.5	0.59	0.87		
Geo Avg Mkt Cap	2625	0.01	0.56		

**Fixed-Income Style**

Value	Brand	Geom	Avg Eff	Avg Eff	Avg Wtd
Large	Med	Ext	Maturity	Duration	Coupon
High	Med	Low			
High	Med	Low			
High	Med	Low			

## Credit Quality Breakdown

	AAA	AA	A	BBB	BB	B	Below B	NR
AAA	—	—	—	—	—	—	—	—
AA	—	—	—	—	—	—	—	—
A	—	—	—	—	—	—	—	—
BBB	—	—	—	—	—	—	—	—
BB	—	—	—	—	—	—	—	—
B	—	—	—	—	—	—	—	—
Below B	—	—	—	—	—	—	—	—
NR	—	—	—	—	—	—	—	—

**Regional Exposure**

	Stocks %	Rel Std Index
Americas	99.7	1.01
Greater Europe	0.1	0.15
Greater Asia	0.2	0.93

**Investment Style**

Equity	Stocks %
Fidelity@Small Cap Index	39,753
Category Average	33,440
Standard Index	42,659

**Performance Quartile** (within category)

Year	NAV/Price	Total Return %	+/- Standard Index	+/- Category Index	% Rank Cat	No. of Funds in Cat
2010	10.66	16.54	16.79	15.46	18.36	20.32
2011	16.38	39.02	5.19	-4.24	21.63	14.85
2012	0.38	6.64	-8.50	-5.63	9.67	-6.49
2013	0.03	0.20	0.30	0.17	0.32	0.14
2014	34	33	40	44	40	22
2015	662	81	737	780	750	802
2016	12.15	16.54	16.79	15.46	18.36	20.32
2017	15.46	18.36	20.32	17.24	21.03	24.98
2018	-4.24	21.63	14.85	-10.88	25.71	19.99
2019	-5.63	9.67	-6.49	-5.78	1.59	6.56
2020	0.17	0.32	0.14	0.18	0.03	0.03
2021	0.30	0.17	0.18	0.18	0.03	0.03

**Share Cng**

Share Cng	Share Holdings	Net Assets
Amount	2,035 Total Stocks - 1 Total Fixed-Income, 17% Turnover Ratio	%
1,683	E-mini Russell 2000 Index Future M	0.98
160 mil	Fidelity Reverse Str Tr	0.90
3 mil	Plug Power Inc	0.89
385,304	Gamestop Corp Class A	0.70
1 mil	Penn National Gaming Inc	0.61
414,883	Novavax Inc	0.51
1 mil	Caesars Entertainment Inc	0.48
1 mil	Surren Inc	0.39
1 mil	Darling Ingredients Inc	0.38
288,125	Mirati Therapeutics Inc	0.33
421,949	Ultragenyx Pharmaceutical Inc	0.33
691,373	Il-VI Inc	0.33
175,136	Lithia Motors Inc Class A	0.31
188,310	Deckers Outdoor Corp	0.31
509,357	Natera Inc	0.30

**Sector Weightings**

Sector	Stocks %	Rel Std Index
<b>Cyclical</b>	<b>36.9</b>	<b>1.18</b>
Basic Materials	3.6	1.51
Consumer Cyclical	13.3	1.09
Financial Services	13.1	0.92
Real Estate	7.0	2.84
<b>Sensitive</b>	<b>35.4</b>	<b>0.76</b>
Communication Services	2.7	0.24
Energy	2.3	0.81
Industrials	15.8	1.72
Technology	14.6	0.62
<b>Defensive</b>	<b>27.7</b>	<b>1.24</b>
Consumer Defensive	3.7	0.56
Healthcare	21.3	1.63
Utilities	2.7	1.02

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted as correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



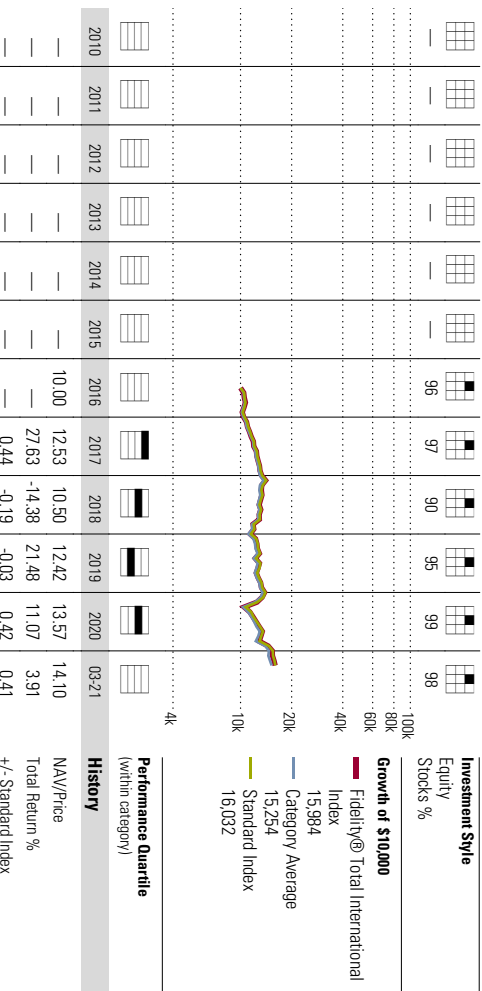
# Fidelity® Total International Index (USD)

Morningstar Quantitative Rating™  
**Gold**<sup>o</sup>  
 02-28-2021

Overall Morningstar Rating™ Standard Index  
**★★★★**  
 654 US Fund Foreign Large Blend

MSCI ACWI EX USA NR USD  
 MSCI ACWI EX USA NR USD  
 US Fund Foreign Large Blend

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	10.19	2.85	-1.68	9.02	21.48
2020	-24.15	17.41	6.78	16.81	11.07
2021	3.91	—	—	—	3.91
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	52.17	6.42	—	—	9.37
Std 03-31-2021	52.17	—	—	—	9.37
Total Return	52.17	6.42	—	—	9.37
+/- Std Index	2.76	-0.09	—	—	—
+/- Cat Index	2.76	-0.09	—	—	—
% Rank Cat	31	42	—	—	—
No. in Cat	751	654	—	—	—



**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-335-5092 or visit [www.investor.fidelity.com](http://www.investor.fidelity.com).

## Fees and Expenses

Sales Charges	NA
Front-End Load %	NA
Deferred Load %	NA

## Fund Expenses

Management Fees %	0.06
12bt Expense %	NA
Net Expense Ratio %	0.06
Gross Expense Ratio %	0.06

## Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	654 funds	563 funds	370 funds
Morningstar Risk	3★	—	—
Morningstar Return	Avg	—	—

	3 Yr	5 Yr	10 Yr
Standard Deviation	17.94	—	—
Mean	6.42	—	—
Sharpe Ratio	0.36	—	—

MPI Statistics	Standard Index	Best Fit Index
	Morningstar Gbl	Morningstar Gbl
	Mkts xUS GR USD	Mkts xUS GR USD

	Alpha	Beta	R-Squared	12-Month Yield	Potential Cap Gains Exp
	-0.10	1.01	99.20	—	1.03%
	-0.73	1.00	99.39	—	—

## Operations

Family:	Fidelity Investments
Manager:	Multiple
Tenure:	4.8 Years
Objective:	Foreign Stock

## Portfolio Analysis 02-28-2021

Asset Allocation %	Net %	Long %	Short %
Cash	1.48	1.48	0.00
US Stocks	0.63	0.63	0.00
Non-US Stocks	97.78	97.78	0.00
Bonds	0.00	0.00	0.00
Other/Not Cstfd	0.10	0.10	0.00
Total	100.00	100.00	0.00

Equity Style	Value	Share	Gain/Loss
	Large	Mid	Small
	High	Med	Low
	High	Med	Low
	High	Med	Low

## Fixed-Income Style

	Ltd	Med	Ext
	High	Med	Low
	High	Med	Low
	High	Med	Low

## Credit Quality Breakdown

	AAA	AA	A	BBB	BB	B	Below B	NR
AAA	—	—	—	—	—	—	—	—
AA	—	—	—	—	—	—	—	—
A	—	—	—	—	—	—	—	—
BBB	—	—	—	—	—	—	—	—
BB	—	—	—	—	—	—	—	—
B	—	—	—	—	—	—	—	—
Below B	—	—	—	—	—	—	—	—
NR	—	—	—	—	—	—	—	—

Regional Exposure	Stocks %	Rel Std Index
Americas	9.3	0.97
Greater Europe	42.2	0.98
Greater Asia	48.6	1.02

Base Currency:	USD
Ticker:	FTIHX
SIN:	US31635V6386
Minimum Initial Purchase:	\$0

## Share Cng

Share Cng since 01-2021	Share Amount	Holdings: 4,748 Total Stocks, 1 Total Fixed-Income, 4% Turnover Ratio	Net Assets %
⊕	5 mil	Taiwan Semiconductor Manufacturing	1.74
⊕	1 mil	Tencent Holdings Ltd	1.62
⊕	399,476	Alibaba Group Holding Ltd ADR	1.46
⊕	89 mil	Fidelity Revue Str Tr	1.37
⊕	983,796	Samsung Electronics Co Ltd	1.11
⊕	630	MSCI EAFE Index Future Mar 21	1.05
⊕	604,129	Nestle SA	0.97
⊕	89,552	ASML Holding NV	0.78
⊕	147,798	Roche Holding AG	0.75
⊕	466,062	Novartis AG	0.62
⊕	58,365	LVMH Moet Hennessy Louis Vuitton SE	0.57
⊕	520	MSCI Emerging Markets Index Future	0.54
⊕	759,400	Meituan	0.51
⊕	445,592	Toyota Motor Corp	0.51
⊕	3 mil	AlA Group Ltd	0.49

## Sector Weightings

Sector	Weighting	Stocks %	Rel Std Index
<b>Cyclical</b>		<b>41.9</b>	<b>1.00</b>
Basic Materials		8.4	1.03
Consumer Cyclical		12.4	1.03
Financial Services		17.5	0.93
Real Estate		3.6	1.34
<b>Sensitive</b>		<b>38.0</b>	<b>1.02</b>
Communication Services		7.7	0.97
Energy		4.3	0.93
Industrials		12.6	1.09
Technology		13.3	1.01
<b>Defensive</b>		<b>20.1</b>	<b>0.96</b>
Consumer Defensive		8.1	0.94
Healthcare		9.0	0.98
Utilities		3.1	0.97

Purchase Constraints:	—
Incept:	06-07-2016
Type:	MF
Total Assets:	\$6,728.51 mil

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analysis and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted as correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for informational purposes, damages or other losses resulting from, or related to, this information, data, analysis or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.





# Fidelity® US Bond Index (USD)

**Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat**  
**Gold** **★★★★** **385 US Fund Intermediate** **BbgBarc US Agg** **BbgBarc US Agg** **US Fund Intermediate**  
 03-31-2021 **Core Bond** **Bond TR USD** **Bond TR USD** **Core Bond**

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	2.96	2.97	2.27	0.06	8.48
2020	3.66	2.77	0.43	0.75	7.60
2021	-3.48	—	—	—	-3.48
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	0.37	4.65	3.05	—	3.28
Std 03-31-2021	0.37	—	3.05	—	3.28
Total Return	0.37	4.65	3.05	3.42	3.28
+/- Std Index	-0.34	0.00	-0.06	-0.02	—
+/- Cat Index	-0.34	0.00	-0.06	-0.02	—
% Rank Cat	84	43	58	46	—
No. in Cat	421	385	337	255	—

7-day Yield	Subsidized	Unsubsidized
30-day SEC Yield	—	—

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit [www.institutional.fidelity.com](http://www.institutional.fidelity.com).

## Fees and Expenses

<b>Sales Charges</b>	<b>NA</b>
<b>Front-End Load %</b>	<b>NA</b>
<b>Deferred Load %</b>	<b>NA</b>

## Fund Expenses

Management Fees %	0.03
12b1 Expense %	NA
<b>Net Expense Ratio %</b>	<b>0.03</b>
<b>Gross Expense Ratio %</b>	<b>0.03</b>
<b>Risk and Return Profile</b>	

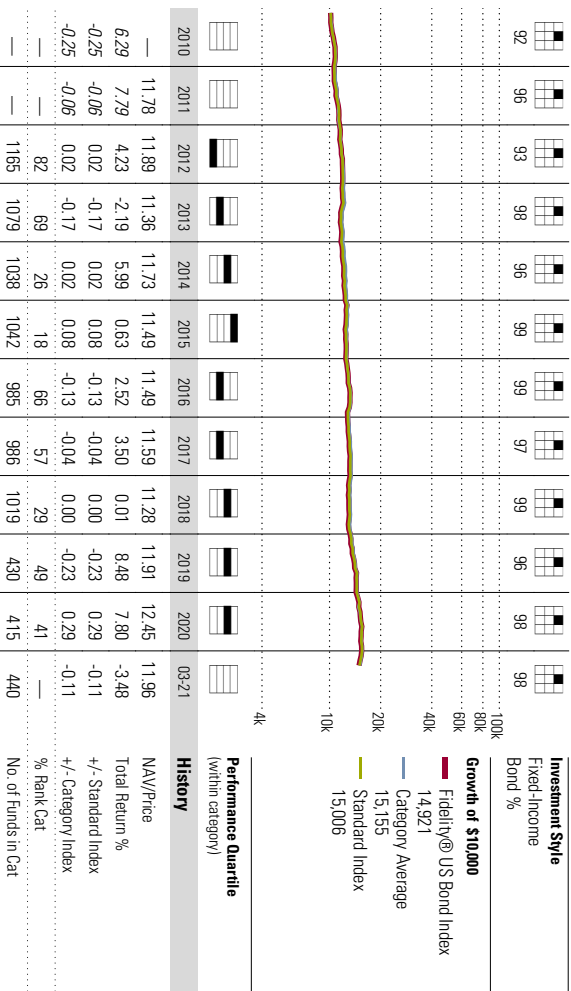
	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3★	3★	3★
Morningstar Risk	Avg	Avg	3★
Morningstar Return	Avg	Avg	Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	3.60	3.38	3.14
Mean	4.65	3.05	3.42
Sharpe Ratio	0.92	0.57	0.90

MPI Statistics	Standard Index	Best Fit Index
Alpha	-0.03	-0.03
Beta	1.01	1.01
R-Squared	99.03	99.03
12-Month Yield	—	—
Potential Cap Gains Exp	—	0.01%

## Operations

Family:	Fidelity Investments
Manager:	Multiple
Tenure:	6.9 Years
Objective:	Multisector Bond



Portfolio Allocation %		Net %	Long %	Short %	Share Cng	Share Holdings:	Net Assets %
Cash	1.33	1.33	0.00	0.00	since 01-2021	0 Total Stocks, 2.266 Total Fixed-Income.	%
US Stocks	0.00	0.00	0.00	0.00	Amount	59% Turnover Ratio	
Non-US Stocks	0.00	0.00	0.00	0.00	1,325 mil	Fannie Mae 3% 30 Year	2.44
Bonds	97.89	97.91	0.02	0.02	1,140 mil	Freddie Mac 2% 30 Year	2.00
Other/Not Cstfd	0.78	0.78	0.00	0.00	1,038 mil	Freddie Mac 2.5% 30 Year	1.87
Total	100.00	100.02	0.02	0.02	974 mil	Fannie Mae 3.5% 30 Year	1.81
					946 mil	Ginnie Mae 3% 30 Year	1.73
					846 mil	Fannie Mae 4% 30 Year	1.59
					845 mil	Ginnie Mae 3.5% 30 Year	1.57
					755 mil	Fannie Mae 2% 30 Year	1.32
					749 mil	United States Treasury Notes 1.5%	1.32
					676 mil	Freddie Mac 3.5% 30 Year	1.26
					694 mil	United States Treasury Notes 0.12%	1.20
					681 mil	Fidelity Reverse Str Tr	1.18
					628 mil	Freddie Mac 3% 30 Year	1.15
					611 mil	United States Treasury Notes 2.25%	1.14
					602 mil	Ginnie Mae 2.5% 30 Year	1.09

Value	Brand	Grwth	Port	Rel	Rel
Large	Med	Ext	Avg	Index	Cat
High	Med	Low	Avg Eff Maturity	—	—
High	Med	Low	Avg Eff Duration	—	—
High	Med	Low	Avg Wtd Coupon	—	—
High	Med	Low	Avg Wtd Price	—	—
High	Med	Low	Geo Avg Mkt Cap	—	—
High	Med	Low	Geo Avg Mkt Cap	—	—

Fixed-Income Style		Avg Eff Maturity	6.05
		Avg Eff Duration	—
		Avg Wtd Coupon	—
		Avg Wtd Price	106.74

Credit Quality Breakdown	02-28-2021	Bond %
AAA	—	72.62
AA	—	4.42
AA	—	12.35
A	—	10.42
BBB	—	0.16
BB	—	0.00
Below B	—	0.00
NR	—	0.03

Regional Exposure	Stocks %	Rel Std Index
Americas	—	—
Greater Europe	—	—
Greater Asia	—	—

Base Currency:	USD	Purchase Constraints:	A
Ticker:	FXNAX	Incept:	05-04-2011
Tenure:	6.9 Years	Type:	MIF
Minimum Initial Purchase:	\$0	Total Assets:	\$56,444.79 mil

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# Hotchkis & Wiley High Yield Z (USD)

**Morningstar Analyst Rating™**  
 Silver  
 02-18-2021

**Overall Morningstar Rating™**  
 ★★  
 630 US Fund High Yield Bond  
 02-18-2021

**Standard Index** BBBarc US Agg Bond TR USD  
**Category Index** ICE BofA US High Yield TR USD  
**Morningstar Cat** US Fund High Yield Bond

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	6.13	1.74	-0.62	2.31	9.77
2020	-17.15	10.12	5.22	8.15	3.83
2021	2.04	—	—	—	2.04
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly Std 03-31-2021	27.87	—	—	—	4.18
	27.87	—	—	—	4.18
Total Return	27.87	4.19	6.76	5.64	4.18
+/- Std Index	27.16	-0.47	3.66	2.20	—
+/- Cat Index	4.56	-2.34	-1.18	-0.67	—
% Rank Cat	13	85	47	36	—
No. in Cat	678	630	556	358	—

7-day Yield 04-21-21 4.13 1  
 30-day SEC Yield 03-31-21 4.35 1  
 1. Contractual waiver. Expires 08-29-2020

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 866-493-8637 or visit www.hwm.com.

## Fees and Expenses

<b>Sales Charges</b>	
<b>Front-End Load %</b>	NA
<b>Deferred Load %</b>	NA

## Fund Expenses

Management Fees %	0.55
12bt Expense %	NA
<b>Net Expense Ratio %</b>	<b>0.60</b>
<b>Gross Expense Ratio %</b>	<b>0.63</b>

## Risk and Return Profile

Morningstar Rating™	3 Yr	5 Yr	10 Yr
	630 funds	556 funds	358 funds
Morningstar Risk	2★	3★	3★
Morningstar Return	High	High	+Avg
	-Avg	Avg	Avg

Standard Deviation	11.32	9.07	7.99
Mean	4.19	6.76	5.64
Shape Ratio	0.30	0.64	0.65

MPI Statistics	Standard Index	Best Fit Index
	ICE BofA US High Yield TR USD	Yield TR USD

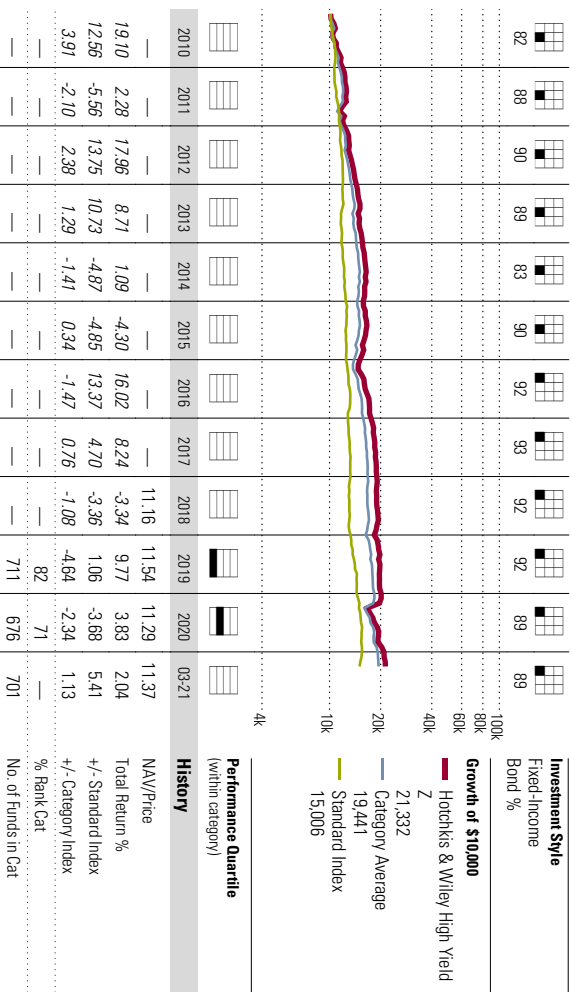
Alpha	1.87	-2.96
Beta	0.47	1.17
R-Squared	2.08	96.12
12-Month Yield Potential Cap Gains Exp	5.44%	-33.80%

## Operations

Family: Hotchkis & Wiley  
 Manager: Multiple  
 Tenure: 12.1 years  
 Objective: Corporate Bond - High Yield  
 Base Currency: USD

Ticker: HWHZX  
 SIN: US44134B5292  
 Minimum Initial Purchase: \$1 mil  
 Min Auto Investment Plan: \$1 mil  
 Purchase Constraints: —

Incept: 03-29-2018  
 Type: MF  
 Total Assets: \$1,080.83 mil



Portfolio Analysis 02-28-2021				Net %	Long %	Short %	Share Cng since 01-2021	Share Holdings: 10 Total Stocks - 2,458 Total Fixed-Income, 67% Turnover Ratio	Net Assets %
<b>Asset Allocation %</b>				0.60	0.64	0.05			
Cash				3.75	3.75	0.00			
US Stocks				0.01	0.01	0.00			
Non-US Stocks				88.93	88.93	0.00	★	1 mi Xtrackers USD High Yield Corp Bd E	4.06
Bonds				6.72	6.72	0.00		116,127 Horsehead Equity	2.85
Other/Not Cstfd				100.00	100.00	0.05		20 mil CCO Holdings, LLC/ CCO Holdings Ca	1.76
Total				100.00	100.05	0.05		20 mil General Electric Company	1.54

Equity Style		Portfolio Statistics		Port Avg	Rel Index	Rel Cat
Value	Brand Growth	P/E Ratio TTM	—	—	—	—
Large	—	P/C Ratio TTM	—	—	—	—
Mid	—	P/B Ratio TTM	—	—	—	—
Small	—	Geo Avg Mkt Cap	—	—	—	—

Fixed-Income Style		Avg Eff Maturity		Avg Eff Duration		Avg Wtd Coupon		Avg Wtd Price	
Lat	Med	Ext	High	High	Med	Low	—	—	—
AAA	—	—	—	—	—	—	6.67	6.19	102.98
AA	—	—	—	—	—	—	3.48	6.19	—
AAA	—	—	—	—	—	—	0.00	6.19	—
AAA	—	—	—	—	—	—	0.00	6.19	—
A	—	—	—	—	—	—	0.00	6.19	—
BBB	—	—	—	—	—	—	6.51	33.84	33.82
BB	—	—	—	—	—	—	33.84	33.84	33.82
B	—	—	—	—	—	—	33.84	33.84	33.82
Below B	—	—	—	—	—	—	7.13	18.90	—
NR	—	—	—	—	—	—	18.90	—	—

Credit Quality Breakdown 02-28-2021		Sector Weightings	
AAA	0.00	Basic Materials	—
AA	0.00	Consumer Cyclical	—
AAA	0.00	Consumer Services	—
AAA	0.00	Financial Services	—
A	0.00	Real Estate	—
BBB	6.51	Real Estate	—
BB	33.84	Communication Services	—
B	33.82	Energy	—
Below B	7.13	Industrials	—
NR	18.90	Technology	—
		Utilities	—
		Healthcare	—
		Consumer Defensive	—
		Healthcare	—
		Utilities	—

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# MFS International Intrinsic Value R6 (USD)

**Morningstar Analyst Rating™** Overall Morningstar Rating™ **Standard Index** **Category Index** **Morningstar Cat**  
**Silver** **★★★★** MSCI ACWI EX MSCI ACWI EX US Fund Foreign Large  
 01-27-2021 383 US Fund Foreign Large USA NR USD USA Growth NR USA Growth NR Growth

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	12.18	4.35	0.14	7.48	25.99
2020	-13.45	16.88	8.55	9.97	20.56
2021	-1.72	—	—	—	-1.72
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	36.90	11.05	11.95	10.82	7.94
Std 03-31-2021	36.90	—	11.95	10.82	7.94
Total Return	36.90	11.05	11.95	10.82	7.94
+/- Std Index	-12.51	4.54	2.19	5.89	—
+/- Cat Index	-12.46	0.74	-0.08	4.13	—
% Rank Cat	96	42	49	6	—
No. in Cat	442	383	320	224	—

7-day Yield Subsidized Unsubsidized  
 30-day SEC Yield — —

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-225-2806 or visit <http://www.mfs.com>.

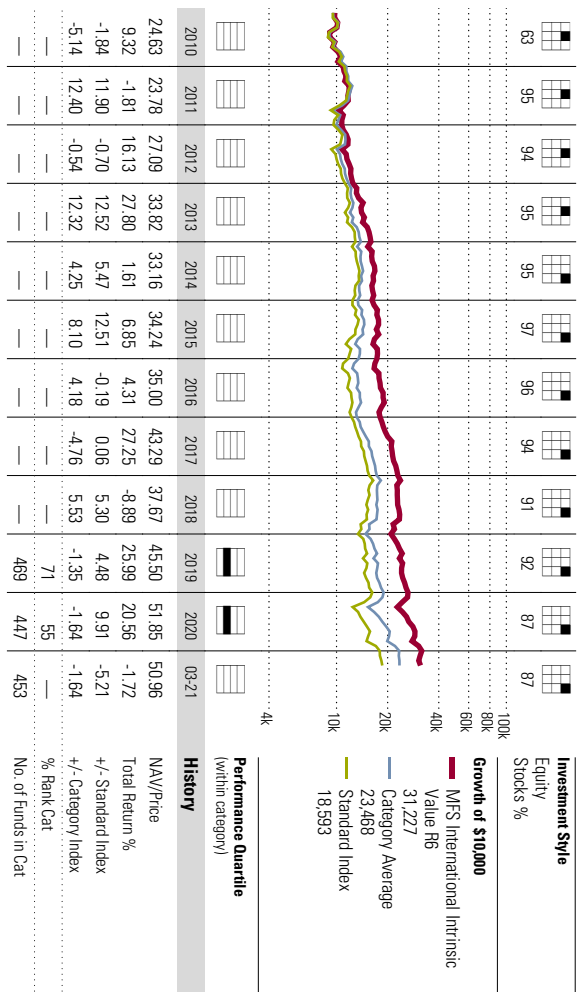
Fees and Expenses	
<b>Sales Charges</b>	<b>NA</b>
<b>Front-End Load %</b>	<b>NA</b>
<b>Deferred Load %</b>	<b>NA</b>
<b>Fund Expenses</b>	0.61
Management Fees %	0.61
12bt Expense %	NA
<b>Net Expense Ratio %</b>	<b>0.63</b>
<b>Gross Expense Ratio %</b>	<b>0.63</b>
<b>Risk and Return Profile</b>	

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	393 funds	320 funds	224 funds
	<b>4★</b>	<b>3★</b>	<b>5★</b>
Morningstar Risk	Low	Low	Low
Morningstar Return	Avg	Avg	High

	3 Yr	5 Yr	10 Yr
Standard Deviation	13.60	11.72	11.73
Mean	11.05	11.95	10.82
Sharpe Ratio	0.74	0.92	0.88

MPI Statistics	Standard Index	Best Fit Index
Alpha	5.57	2.31
Beta	0.69	0.84
R-Squared	80.76	94.22
12-Month Yield	—	—
Potential Cap Gains Exp	—	35.46%

**Operations**  
 Family: MFS  
 Manager: Multiple  
 Tenure: 12.4 Years  
 Objective: Foreign Stock



Portfolio Analysis 03-31-2021	
Asset Allocation % 02-28-2021	Net %
Cash	5.55
US Stocks	14.13
Non-US Stocks	80.32
Bonds	0.00
Other/Not Cstfd	0.00
Total	100.00

Equity Style		Portfolio Statistics	
Value	Brand Growth	Avg	Rel
Large	Mid	Index	Cat
High	High	31.7	1.53
Med	Med	20.2	1.89
Low	Low	3.6	1.91
		Geo Avg Mkt Cap	33489
			0.74
			0.61

Fixed-Income Style		Credit Quality Breakdown	
Ltd	Med	Ext	Bond %
High	Med	Low	
AAA	AAA	AAA	—
AA	AA	AA	—
A	A	A	—
BBB	BBB	BBB	—
BB	BB	BB	—
Below B	Below B	Below B	—
NR	NR	NR	—

Regional Exposure		Stocks %	Rel Std Index
Americas	17.8	1.86	
Greater Europe	56.3	1.31	
Greater Asia	25.9	0.55	

Base Currency: USD  
 Ticker: MINJX  
 ISIN: US5527463492  
 Minimum Initial Purchase: \$0

Top Holdings 02-28-2021		Share Cng	Share Holdings	Net Assets
since	Amount	92 Total Stocks	0 Total Fixed-Income	%
02-2021	11 mil	7%	Turnover Ratio	5.11
⊖	11 mil		Cadence Design Systems Inc	4.01
⊕	11 mil		Nestle SA	4.00
⊖	9 mil		Taiwan Semiconductor Manufacturing	3.20
	6 mil		Schneider Electric SE	2.87
	226,086		Gvaudan SA	2.48
	2 mil		Ansys Inc	2.42
	4 mil		Permot Ricard SA	2.36
	2 mil		L'Oréal SA	2.13
	6 mil		Henkel AG & Co KGaA Participating	1.99
	8 mil		Samsung Electronics Co Ltd	1.97
	4 mil		Analog Devices Inc	1.95
	7 mil		Reckitt Benckiser Group PLC	1.83
	14 mil		Legrand SA	1.89
	14 mil		Diageo PLC	1.81
	8 mil		Amadeus IT Group SA A	1.81

Sector Weightings		Stocks %	Rel Std Index
🔄 <b>Cyclical</b>	<b>19.0</b>	<b>0.45</b>	
🏠 Basic Materials	10.3	1.25	
🏪 Consumer Cyclical	2.8	0.23	
🏢 Financial Services	2.8	0.15	
🏡 Real Estate	3.1	1.16	
👔 <b>Sensitive</b>	<b>48.5</b>	<b>1.30</b>	
📞 Communication Services	0.1	0.01	
⚡ Energy	0.2	0.05	
🏭 Industrials	21.0	1.82	
🖥️ Technology	27.3	2.07	
🛒 <b>Defensive</b>	<b>32.5</b>	<b>1.56</b>	
🛒 Consumer Defensive	29.1	3.41	
🏥 Healthcare	3.3	0.37	
🏠 Utilities	0.0	0.00	

Purchase Constraints: A/C  
 Incept: 05-01-2006  
 Type: MF  
 Total Assets: \$31,527.84 mil

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. This report is supplemental sales literature. If applicable it must be predated.



# MFS Mid Cap Value R6 (USD)

Morningstar Quantitative Rating™  
★★★★ Gold<sup>®</sup>  
 02-28-2021

Overall Morningstar Rating™  
★★★★  
 395 US Fund Mid-Cap Value

Standard Index  
 S&P 500 TR USD

Category Index  
 Russell Mid Cap Value TR USD

Morningstar Cat  
 US Fund Mid-Cap Value

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	14.60	4.66	2.06	7.08	31.08
2020	-30.83	19.78	5.36	19.59	4.40
2021	13.45	—	—	—	13.45
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	71.23	11.96	11.83	—	11.85
Std 03-31-2021	71.23	—	11.83	—	11.85
Total Return	71.23	11.96	11.83	11.21	11.85
+/- Std Index	14.87	-4.82	-4.47	-2.70	—
+/- Cat Index	-2.53	1.26	0.23	0.16	—
% Rank Cat	68	24	38	19	—
No. in Cat	415	395	350	250	—

7-day Yield — Subsidized  
 30-day SEC Yield — Unsubsidized

**Performance Disclosure**  
 The overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate, thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-225-2806 or visit <http://www.mfs.com>.

## Fees and Expenses

Sales Charges  
**Front-End Load %** NA  
**Deferred Load %** NA

## Fund Expenses

Management Fees % 0.65  
 12b1 Expense % NA  
**Net Expense Ratio %** 0.68  
**Gross Expense Ratio %** 0.68  
**Risk and Return Profile**

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	395 funds	350 funds	290 funds
Morningstar Risk	4★	4★	4★
Morningstar Return	-Avg	-Avg	-Avg
	+Avg	+Avg	+Avg

Standard Deviation 22.61 18.07 15.93  
 Mean 11.96 11.83 11.21  
 Sharpe Ratio 0.56 0.65 0.71

MPI Statistics  
 Standard Index Best Fit Index  
 Russell 3000 Value TR USD

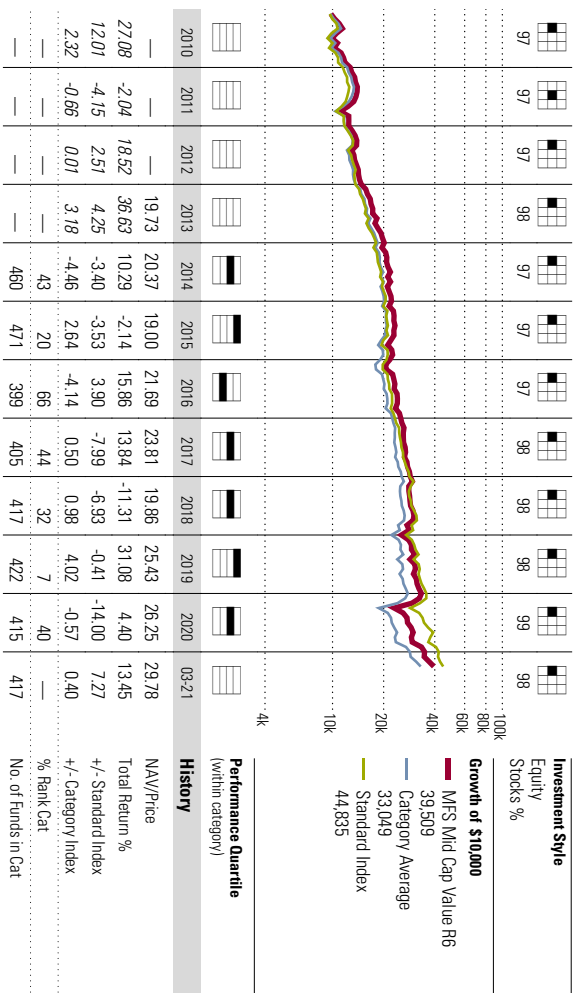
Alpha	-5.87	0.32	1.10
Beta	1.16	1.10	1.10
R-Squared	89.25	97.55	—
12-Month Yield	—	—	—
Potential Cap Gains Exp	—	8.76%	—

## Operations

Family: MFS  
 Manager: Multiple  
 Tenure: 12.4 Years  
 Objective: Growth

Base Currency: USD  
 Ticker: MVOXX  
 ISIN: US55273WW4758  
 Minimum Initial Purchase: \$0

Purchase Constraints: A  
 Incept: 02-01-2013  
 Type: MF  
 Total Assets: \$14,114.62 mil



## Portfolio Analysis 02-28-2021

Asset Allocation %	Net %	Long %	Short %
Cash	2.19	2.19	0.00
US Stocks	93.66	93.66	0.00
Non-US Stocks	4.15	4.15	0.00
Bonds	0.00	0.00	0.00
Other/Not Cstfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

Equity Style	Value	Brand	Geom	Port	Rel	Rel
				Avg	Index	Cat
P/E Ratio TTM	21.9	0.76	1.02			
P/C Ratio TTM	10.5	0.62	0.99			
P/B Ratio TTM	2.0	0.48	0.99			
Geo Avg Mkt Cap \$mil	13957	0.08	1.12			

Fixed-Income Style	Value	Brand	Geom	Avg Eff	Maturity	Avg Eff	Duration	Geo Avg	Mkt Cap
High									
Med									
Low									

Credit Quality Breakdown — Bond %

Credit Quality Breakdown	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
Below B	—
NR	—

Regional Exposure	Stocks %	Rel Std Index
Americas	96.2	0.97
Greater Europe	1.9	2.26
Greater Asia	1.9	8.87

Sector Weightings	Stocks %	Rel Std Index
<b>Cyclical</b>	<b>46.0</b>	<b>1.48</b>
Basic Materials	6.7	2.86
Consumer Cyclical	11.5	0.94
Financial Services	20.6	1.45
Real Estate	7.3	2.95
<b>Sensitive</b>	<b>31.1</b>	<b>0.67</b>
Communication Services	1.3	0.12
Energy	4.8	1.71
Industrials	15.4	1.67
Technology	9.6	0.41
<b>Defensive</b>	<b>22.8</b>	<b>1.02</b>
Consumer Defensive	6.5	0.98
Healthcare	8.2	0.63
Utilities	8.2	3.06

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and there are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# Nationwide Fixed Account

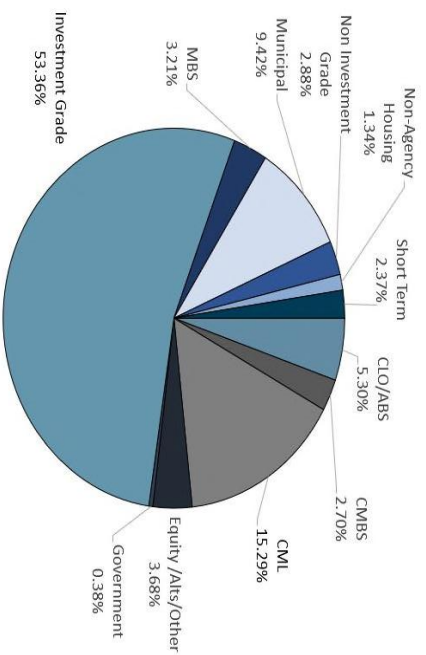
Q3 2020  
As of 09/30

*(Group annuity contract issued by Nationwide Life Insurance Company<sup>1</sup>)*

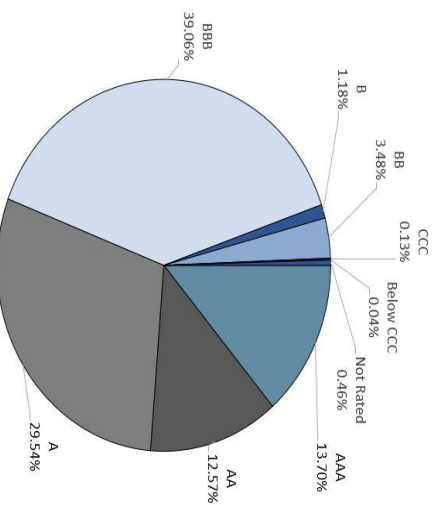
## Product Profile

The Nationwide Fixed Account is a General Account Product that seeks to provide a low-risk, stable investment option offering consistently competitive returns for retirement plan investors.

## Investment Allocation



## Credit Quality



## Top 10 General Account Credit Exposures

Company	% of Assets
Truist Financial Corp	0.46%
Bank of America Corp	0.40%
Bristol-Myers Squibb Co	0.38%
Verizon Communications Inc	0.34%
AbbVie Inc	0.33%
MICROSOFTE CORP	0.32%
AT&T Inc	0.32%
Wells Fargo & Co	0.32%
Kraft Heinz Company	0.31%
Apple Inc	0.31%

## General Account Profile

Inception Date:	1/10/1931
Total Market Value	\$51.19 billion
Total Number of Unique Holdings	4,355
Average Quality of Bond Portfolio	A-
Weighted Average Maturity:	11.2 years
Weighted Average Life	8.5 years
Effective Duration:	6.34 years
Market to Book Ratio <sup>2</sup> :	109%

## Nationwide Life Insurance Co. Rating<sup>3</sup>

A.M. Best	A+	Affirmed 12/17/19
Moody's	A1	Affirmed 05/27/20
Standard & Poor's	A+	Affirmed 09/16/19

## Investment Management

The General Account is managed by a team of investment professionals with deep market knowledge, multi-asset class capabilities, and broad market cycle experience. The team uses a disciplined, research-driven approach, supported by a robust risk management framework, to provide diversification and strong risk-adjusted returns.

**Crediting Rate:** The rate currently being credited to your account can be found on your statement, on the web at NRSFORU.com or by contacting our solutions center at 1-877-677-3678.

<sup>1</sup> The Nationwide Fixed Account is backed by the General Account of Nationwide Life Insurance Company and is backed solely by the claims paying ability of Nationwide Life Insurance Company. Information about the securities held in the General Account does not imply ownership by plan participants or by plan sponsors as the owners of the group annuity contract. This account is not a mutual fund.

<sup>2</sup> The market to book ratio is specific to the Nationwide Life Insurance Company and represents assets on an aggregate basis. However, each product contract experiences its own ratio that differs from the aggregate. The market to book ratio may fluctuate from time to time in accordance with market trends.

<sup>3</sup> These ratings and rankings reflect Rating Agency assessment of the financial strength and claims-paying ability of Nationwide Life Insurance Company and are subject to change at any time. They are not intended to reflect the investment experience or financial strength of any variable account, which is subject to market risk. Because the dates are only updated when there is a change in the rating, the dates reflect the most recent ratings we have received.

Your contract may contain liquidation (exchange and/or transfer) restrictions. The unregistered group variable and fixed annuity contracts are issued by Nationwide Life Insurance Company, Columbus, OH. For more information, please contact your Plan Sponsor.

Please contact the Solutions Center at 1-877-677-3678 for assistance.

© 2020 Nationwide

#### **Definitions**

**Average Quality (AQ):** the book value weighted average quality rating of the bond portfolio. The AQ of this investment portfolio is calculated using the second lowest of four (including internal), median of three, lowest of two, or one rating for each security including but not limited to the following NRSROs: S&P, Moody's, Fitch, and internal ratings. Asset Backed Securities, Commercial Mortgage Backed Securities, and Non-Agency Mortgage Backed Securities will only use internal rating.

**Average Maturity (AM):** the book value weighted length of time (in years) to the stated maturity for fixed-income securities. Since this measure ignores the possibility of pre-payment, it generally overstates the average length of time to return of principal. The AM of this investment portfolio is based on scheduled maturities and does not reflect prepayments.

**Average Weighted Life (AWL):** for debt securities, the dollar-weighted average time until the return of all principal in years. AWL for this investment portfolio is weighted by book value.

**Effective Duration:** effective duration specifically takes into account the way changes in yield will affect expected cash flows. It takes into account both the discounting that occurs at different interest rates as well as changes in cash flows.

**Market to Book Ratio:** market to book ratio is equal to market value divided by book value.

**Exchange:** an exchange is the movement of money between the Nationwide Fixed Account and any other investment option available to the plan.

# Sterling Capital Total Return Bond R6 (USD)

**Morningstar Quantitative Rating™** **Overall Morningstar Rating™** **Standard Index** **Category Index** **Morningstar Cat**  
**Negative** **0** **★★★★★** **385 US Fund Intermediate Bond TR USD** **BBBarc US Agg Bond TR USD** **BBBarc US Agg Bond TR USD** **US Fund Intermediate Core Bond**  
 02-28-2021

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	3.23	3.53	2.19	0.14	9.37
2020	0.73	5.10	1.59	1.67	9.35
2021	-3.00	—	—	—	-3.00

Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	5.30	5.47	—	—	5.08
Std 03-31-2021	5.30	—	—	—	5.08
Total Return	5.30	5.47	4.05	4.02	5.08
+/- Std Index	4.59	0.82	0.94	0.58	—
+/- Cat Index	4.59	0.82	0.94	0.58	—
% Rank Cat	13	7	5	11	—
No. in Cat	421	385	337	255	—

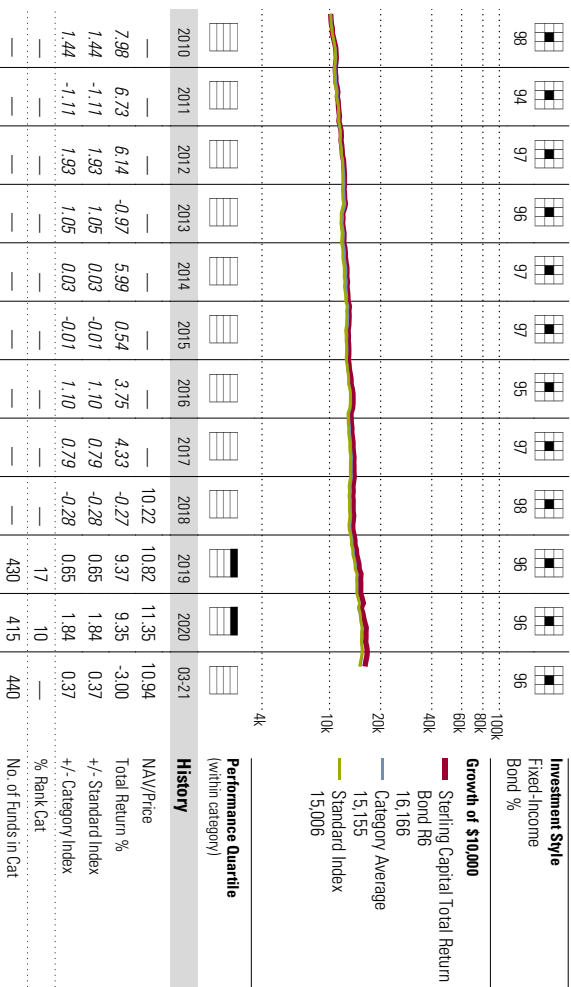
7-day Yield 04-21-21 2.45 1  
 30-day SEC Yield 03-31-21 1.59 1  
 1. Contractual waiver. Expires 01-31-2021

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-228-1872 or visit [www.sterlingcapitalfunds.com](http://www.sterlingcapitalfunds.com).

Fees and Expenses			
Sales Charges			
Front-End Load %	NA		
Deferred Load %	NA		
Fund Expenses			
Management Fees %	0.37		
1201 Expense %	0.00		
Net Expense Ratio %	0.35		
Gross Expense Ratio %	0.58		
Risk and Return Profile			
Morningstar Rating™	3 Yr 5Yr 10 Yr	385 funds 337 funds 255 funds	5★ 5★ 4★
Morningstar Risk	+Avg	+Avg	High
Morningstar Return	High	High	+Avg
Standard Deviation	3 Yr 5 Yr 10 Yr	4.11 3.61 3.21	
Mean	5.47	4.05	4.02
Shapre Ratio	0.99	0.81	1.05



Portfolio Analysis 03-31-2021					
Asset Allocation %	Net %	Long %	Short %	Share Cng	Share Holdings:
Cash	2.49	2.49	0.00	02-2021	0 Total Stocks, 475 Total Fixed-Income, 60% Turnover Ratio
US Stocks	0.00	0.00	0.00	18 mil	FORD CREDIT AUTO OWNER TRUST 1.06%
Non-US Stocks	0.00	0.00	0.00	17 mil	Federated Hermes Treasury 0bl IS
Bonds	96.22	96.22	0.00	15 mil	Federal Home Loan Mortgage Corpora
Other/Not Cstfd	1.29	1.29	0.00	15 mil	Federal Home Loan Mortgage Corpora
Total	100.00	100.00	0.00	15 mil	Federal National Mortgage Associat

Equity Style			
Value	Brand	Grwth	Port
Large	Mid	Ext	Rel
High	Med	Low	Index
High	Med	Low	Cat
High	Med	Low	Rel

Fixed-Income Style			
Val	Mid	Ext	Rel
High	Med	Low	Index
High	Med	Low	Cat
High	Med	Low	Rel

Credit Quality Breakdown 03-31-2021			
AAA	AA	A	Bond %
51.25	7.34	17.40	51.25
23.48	0.28	0.20	7.34
8.00	6.03	3.19	23.48
6.03	3.19	105.52	0.28
3.19	105.52	—	0.20

Sector Weightings			
↑ Cyclical	↓ Sensitive	Technology	Denstive
Basic Materials	Consumer Cyclical	Consumer Defensive	Healthcare
Financial Services	Real Estate	Communication Services	Utilities
Energy	Industrials	Technology	Consumer Defensive
Healthcare	Utilities	Consumer Defensive	Healthcare
Technology	Consumer Defensive	Healthcare	Utilities

Regional Exposure			
Stocks %	Rel Std Index	Americas	Greater Europe
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

**Operations**  
 Family: Sterling Capital Funds  
 Manager: Multiple  
 Tenure: 13.3 Years  
 Objective: Growth and Income

Base Currency: USD  
 Ticker: STRDX  
 ISIN: US8591806242  
 Minimum Initial Purchase: \$0

Purchase Constrants: A  
 Incept: 02-01-2018  
 Type: MF  
 Total Assets: \$1,601.55 mil

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# T. Rowe Price Lrg Cp Gr I (USD)

**Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat**  
**Silver** **★★★★★** **S&P 500 TR USD** **Russell 1000** **US Fund Large Growth**  
 08-26-2020 1,186 US Fund Large Growth Growth TR USD

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	14.68	3.00	-1.11	10.00	28.49
2020	-13.87	28.80	11.46	13.05	39.56
2021	3.66	—	—	—	3.66

Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	67.97	22.71	24.05	17.88	12.31
Std 03-31-2021	67.97	—	24.05	17.88	12.31
Total Return	67.97	22.71	24.05	17.88	12.31

+/- Std Index		+/- Cat Index	
11.61	5.33	7.76	3.97
5.22	-0.09	3.01	1.25

% Rank Cat	
25	9

No. in Cat	
1282	1065
1186	788

7-day Yield 04-21-21 Subsidized 0.00  
 30-day SEC Yield —

**Performance Disclosure**  
 The overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate, thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-638-9797 or visit [www.troweprice.com](http://www.troweprice.com).

Fees and Expenses	
<b>Sales Charges</b>	
<b>Front-End Load %</b>	<b>NA</b>
<b>Deferred Load %</b>	<b>NA</b>
<b>Fund Expenses</b>	
Management Fees %	0.55
12b1 Expense %	NA
<b>Net Expense Ratio %</b>	<b>0.56</b>
<b>Gross Expense Ratio %</b>	<b>0.56</b>
<b>Risk and Return Profile</b>	

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	1186 funds	1065 funds	788 funds
	<b>4★</b>	<b>5★</b>	<b>5★</b>
Morningstar Risk	Avg	Avg	+Avg
Morningstar Return	+Avg	High	High

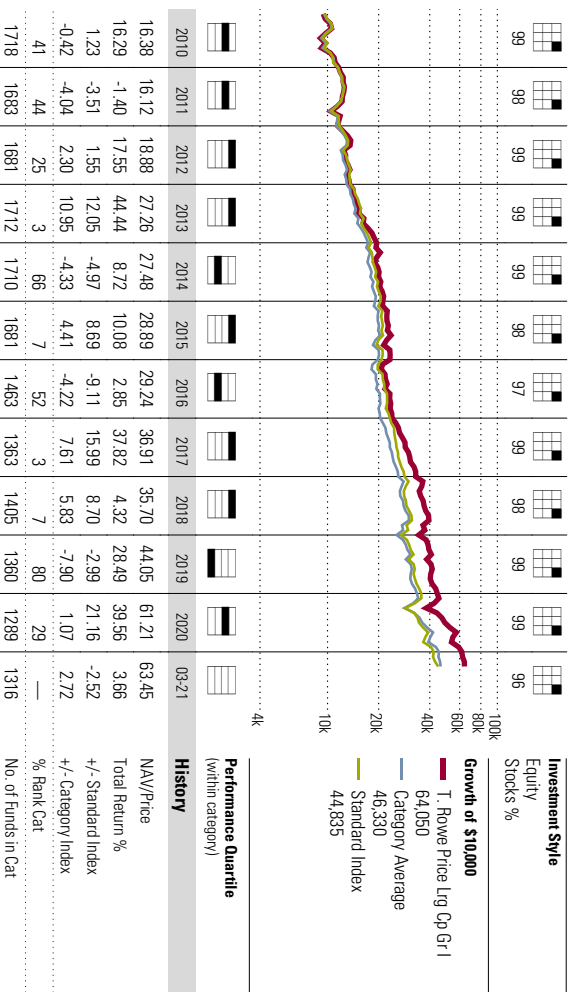
	3 Yr	5 Yr	10 Yr
Standard Deviation	18.85	15.97	15.59
Mean	22.71	24.05	17.88
Sharpe Ratio	1.11	1.36	1.10

MPI Statistics	Standard Index	Best Fit Index
Alpha	1.27	Russell 3000 Growth TR USD
Beta	5.33	1.27
R-Squared	0.98	0.94
12-Month Yield	92.16	96.94
Potential Cap Gains Exp	—	56.64%

**Operations**  
 Family: T. Rowe Price  
 Manager: Taymour Tamaddon  
 Tenure: 4.3 Years  
 Objective: Growth

Base Currency: USD  
 Ticker: TRLGX  
 ISIN: US45775L4086  
 Minimum Initial Purchase: \$1 mil

Purchase Constraints: A  
 Incept: 10-31-2001  
 Type: MF  
 Total Assets: \$23,027.39 mil



**Portfolio Analysis 03-31-2021**

Asset Allocation %	12-31-2020	Net %	Long %	Short %
Cash	0.52	0.52	0.52	0.00
US Stocks	92.66	92.66	92.66	0.00
Non-US Stocks	6.82	6.82	6.82	0.00
Bonds	0.00	0.00	0.00	0.00
Other/Not Cstfd	0.00	0.00	0.00	0.00
Total	100.00	100.00	100.00	0.00

**Top Holdings 12-31-2020**

Share Cng	Share	Holdings:	Net Assets %
12-2020	65	Total Stocks, 0 Total Fixed-Income, 19% Turnover-Ratio	
623,700	Amazon.com Inc	9.67	
8 mil	Microsoft Corp	8.00	
4 mil	Facebook Inc A	5.79	
661,280	Alphabet Inc A	5.51	
7 mil	Apple Inc	4.58	
4 mil	Visa Inc Class A	3.96	
4 mil	Global Payments Inc	3.67	
11 mil	Snap Inc Class A	2.55	
1 mil	Intuit Inc	2.48	
288,634	Alphabet Inc Class C	2.24	
2 mil	Cigna Corp	2.18	
2 mil	PayPal Holdings Inc	2.17	
801,474	Netflix Inc	2.06	
2 mil	Stryker Corp	2.01	
2 mil	Salesforce.com Inc	1.97	

**Equity Style**

Value	Brand	Smart	Portfolio Statistics	Port	Rel	Rel
Large	Med	Ext	P/E Ratio TTM	35.6	1.23	1.00
Med	Med	Low	P/C Ratio TTM	22.5	1.32	0.97
Small	High	High	P/B Ratio TTM	6.7	1.63	0.85
	High	Low	Geo Avg Mkt Cap	259309	1.47	0.91
	Med	Low	Avg Eff Maturity	—	—	—
	Low	Low	Avg Eff Duration	—	—	—
	Low	Low	Avg Wtd Coupon	—	—	—
	Low	Low	Avg Wtd Price	—	—	—

**Fixed-Income Style**

Value	Brand	Smart	Portfolio Statistics	Port	Rel	Rel
Large	Med	Ext	P/E Ratio TTM	35.6	1.23	1.00
Med	Med	Low	P/C Ratio TTM	22.5	1.32	0.97
Small	High	High	P/B Ratio TTM	6.7	1.63	0.85
	High	High	Geo Avg Mkt Cap	259309	1.47	0.91
	Med	Low	Avg Eff Maturity	—	—	—
	Low	Low	Avg Eff Duration	—	—	—
	Low	Low	Avg Wtd Coupon	—	—	—
	Low	Low	Avg Wtd Price	—	—	—

**Credit Quality Breakdown** —

	AAA	AA	A	BBB	BB	B	Below B	Bond %
AAA	—	—	—	—	—	—	—	—
AA	—	—	—	—	—	—	—	—
A	—	—	—	—	—	—	—	—
BBB	—	—	—	—	—	—	—	—
BB	—	—	—	—	—	—	—	—
B	—	—	—	—	—	—	—	—
Below B	—	—	—	—	—	—	—	—

**Regional Exposure**

	Stocks %	Rel Std Index
Americas	93.4	0.94
Greater Europe	2.3	2.71
Greater Asia	4.3	20.44

**Sector Weightings**

	Stocks %	Rel Std Index
<b>Cyclical</b>	<b>28.0</b>	<b>0.90</b>
Basic Materials	0.8	0.33
Consumer Cyclical	18.9	1.55
Financial Services	7.6	0.54
Real Estate	0.7	0.27
<b>Sensitive</b>	<b>57.0</b>	<b>1.23</b>
Communication Services	27.4	2.51
Energy	0.0	0.00
Industrials	4.9	0.53
Technology	24.7	1.05
<b>Defensive</b>	<b>15.0</b>	<b>0.67</b>
Consumer Defensive	1.2	0.18
Healthcare	13.2	1.01
Utilities	0.6	0.24

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.





# Vanguard International Growth Adm (USD)

**Morningstar Analyst Rating™** Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat  
**Gold** **★★★★★** MSCI ACWI EX US Fund Foreign Large  
 07-14-2020 383 US Fund Foreign Large USA NR USD USA Growth NR Growth

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	14.92	3.23	-3.02	14.29	31.48
2020	-15.52	33.01	16.27	22.26	59.74
2021	-1.03	—	—	—	-1.03
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	87.14	20.68	22.01	11.92	9.81
Std 03-31-2021	87.14	—	22.01	11.92	9.81
Total Return	87.14	20.68	22.01	11.92	9.81
+/- Std Index	37.73	14.17	12.25	6.99	—
+/- Cat Index	37.78	10.37	9.98	5.23	—
% Rank Cat	3	3	3	5	—
No. in Cat	442	383	320	224	—

7-day Yield — Subsidized  
 30-day SEC Yield — Unsubsidized

**Performance Disclosure**  
 The overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

### Fees and Expenses

<b>Sales Charges</b>	
<b>Front-End Load %</b>	NA
<b>Deferred Load %</b>	NA

### Fund Expenses

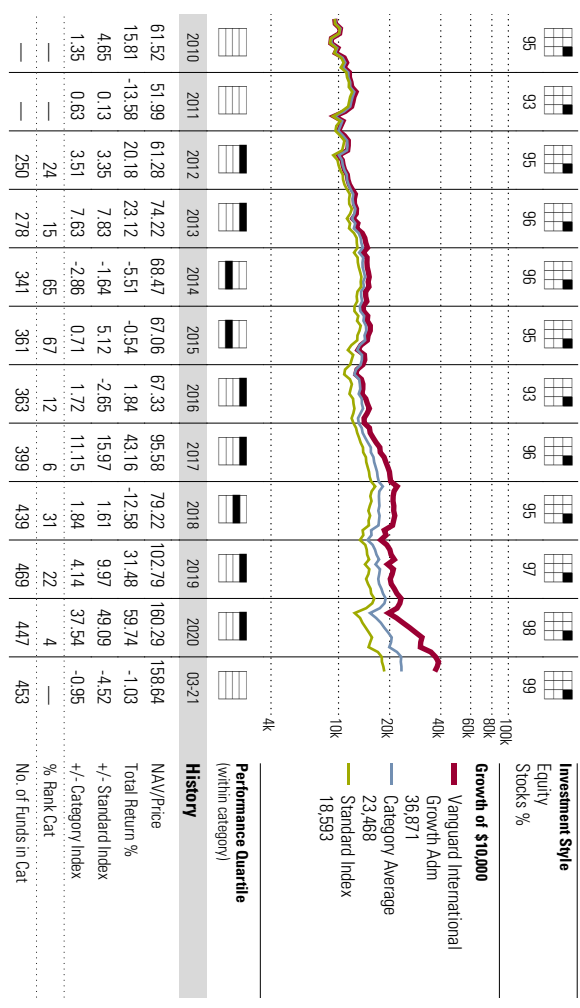
Management Fees %	0.31
12b1 Expense %	NA
<b>Net Expense Ratio %</b>	<b>0.33</b>
<b>Gross Expense Ratio %</b>	<b>0.33</b>

### Risk and Return Profile

Morningstar Rating™	3 Yr 5★	5 Yr 5★	10 Yr 5★
Morningstar Risk	High	High	High
Morningstar Return	High	High	High
Standard Deviation	3 Yr 21.08	5 Yr 17.77	10 Yr 17.54
Mean	20.68	22.01	11.92
Sharpe Ratio	0.93	1.15	0.70

MPT Statistics	Standard Index	Best Fit Index
	MSCI ACWI EX USA	MSCI ACWI EX USA
	Growth NR USD	Growth NR USD
Alpha	12.67	1.24
Beta	1.09	1.24
R-Squared	82.59	91.00
12-Month Yield	—	—
Potential Cap Gains Exp	—	49.88%

<b>Operations</b>	
Family:	Vanguard
Manager:	Multiple
Tenure:	18.2 Years
Objective:	Foreign Stock



Portfolio Analysis 03-31-2021			
Asset Allocation %	Net %	Long %	Short %
Cash	0.13	0.65	0.52
US Stocks	12.25	12.25	0.00
Non-US Stocks	87.32	87.32	0.00
Bonds	0.00	0.00	0.00
Other/Not Cstfd	0.30	0.30	0.00
Total	100.00	100.52	0.52

Equity Style		Portfolio Statistics	
Value	Brand Growth	Port Avg	Rel Index
Large	Med	P/E Ratio TTM	31.5
Med	Small	P/C Ratio TTM	21.2
Small	—	P/B Ratio TTM	4.7
—	—	Geo Avg Mkt Cap	86471
—	—	Avg Eff Maturity	1.91
—	—	Avg Eff Duration	1.56
—	—	Avg Wtd Coupon	—
—	—	Avg Wtd Price	—

Fixed-Income Style		Credit Quality Breakdown	
Ltd	Med	Ext	Bond %
High	Med	Low	—
Med	Low	—	—
Low	—	—	—

Regional Exposure		Sector Weights	
Stocks %	Rel Std Index	↑ Cyclical	Stocks %
Americas	1.78	Basic Materials	1.0
Greater Europe	48.7	Consumer Cyclical	32.7
Greater Asia	33.4	Financial Services	8.8
—	—	Real Estate	0.0
—	—	Consumer Defensive	8.5
—	—	Healthcare	6.7
—	—	Utilities	14.3
—	—	—	0.8

Base Currency:	USD
Ticker:	VWILX
ISIN:	US9219105015
Minimum Initial Purchase:	\$50,000

Share Cng	Share Holdings	Holdings	Net Assets
Amount	118 Total Stocks	0 Total Fixed-Income	%
12-2020	7 mil	ASML Holding NV	6.82
—	7 mil	Tencent Holdings Ltd	5.38
—	2 mil	Merckadolibre Inc	4.09
—	4 mil	Tesla Inc	3.49
—	79 mil	Alibaba Group Holding Ltd Ordinary	3.32
—	903.347	Adyen NV	2.99
—	3 mil	Kering SA	2.99
—	5 mil	Illumina Inc	2.80
—	43 mil	Maituan	2.50
—	23 mil	M3 Inc	2.38
—	5 mil	Sporty Technology SA	2.19
—	11 mil	Moderna Inc	2.13
—	11 mil	Nidec Corp	2.07
—	31 mil	NIO Inc ADR	1.81
—	5 mil	Ferrari NV	1.63

Purchase Constraints:	Incept	Type:	Total Assets:
—	08-13-2001	MIF	\$68,280.95 mil

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# Vanguard Small Cap Growth Index Admiral (USD)

**Morningstar Analyst Rating™**  
**Gold**  
 02-22-2021

**Overall Morningstar Rating™**  
**★★★★**  
 576 US Fund Small Growth

**Standard Index**  
 S&P 500 TR USD

**Category Index**  
 Russell 2000 Growth TR USD

**Morningstar Cat**  
 US Fund Small Growth

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	19.50	3.83	-2.15	9.35	32.76
2020	-24.22	32.92	7.74	24.65	35.28
2021	2.56	—	—	—	2.56

Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	83.09	19.39	19.05	—	16.22
Std 03-31-2021	83.09	—	19.05	—	16.22
Total Return	83.09	19.39	19.05	13.16	16.22

+/- Std Index		+/- Cat Index	
26.74	2.61	2.76	-0.75
-7.11	2.23	0.44	0.14

% Rank Cat	
73	57
49	58

No. in Cat	
619	503
576	379

7-day Yield — Subsidized  
 30-day SEC Yield 04-20-21 0.38 0.37

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

## Fees and Expenses

**Sales Charges**  
**Front-End Load %** NA  
**Deferred Load %** NA

**Fund Expenses**  
 Management Fees % 0.06  
 1201 Expense % NA  
**Net Expense Ratio %** 0.07  
**Gross Expense Ratio %** 0.07

## Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3★	3★	3★
Morningstar Risk	-Avg	-Avg	-Avg
Morningstar Return	Avg	Avg	Avg

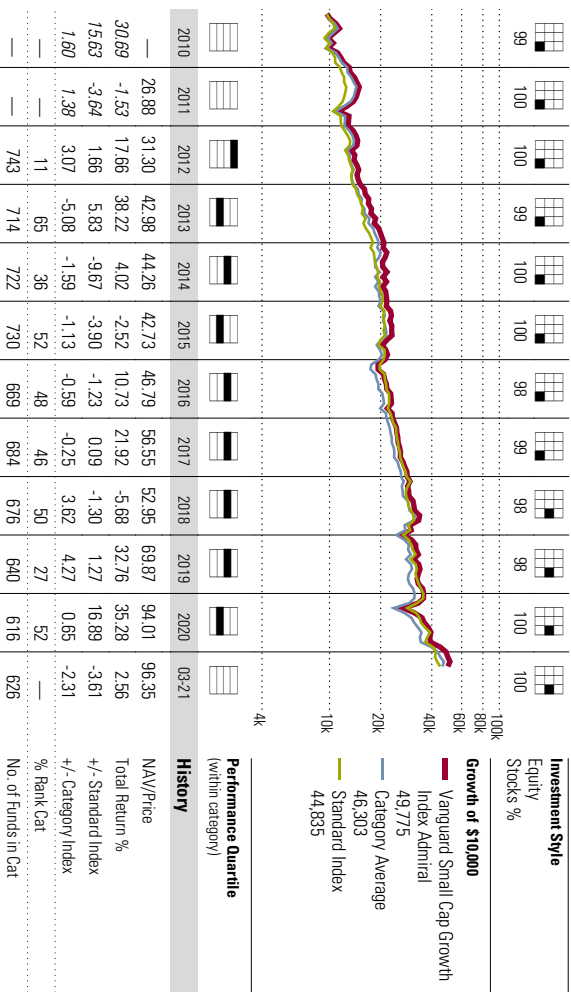
Standard Deviation 24.11 19.34 17.93  
 Mean 19.39 19.05 13.16  
 Sharpe Ratio 0.80 0.94 0.75

MPT Statistics	Standard Index	Best Fit Index Morningstar US Small Growth TR USD
Alpha	0.33	1.12
Beta	1.20	0.98
R-Squared	83.36	97.42
12-Month Yield	0.41%	0.41%
Potential Cap Gains Exp	29.10%	29.10%

**Operations**  
 Family: Vanguard  
 Manager: Multiple  
 Tenure: 16.3 Years  
 Objective: Small Company

Base Currency: USD  
 Ticker: VSGAX  
 ISIN: US9219377101  
 Minimum Initial Purchase: \$3,000

Purchase Constraints: —  
 Incept: 09-27-2011  
 Type: MF  
 Total Assets: \$15,684.16 mil



**Portfolio Analysis 03-31-2021**

Asset Allocation %	Net %	Long %	Short %
Cash	0.06	0.06	0.00
US Stocks	99.43	99.43	0.00
Non-US Stocks	0.51	0.51	0.00
Bonds	0.00	0.00	0.00
Other/Not Clsfd	0.00	0.00	0.00
Total	100.00	100.00	0.00

**Equity Style**

Value	Brand	Growth	Port	Rel	Rel
			Avg	Index	Cat
Large	High	Ext	35.2	1.22	0.97
Mid	Med	Med	21.2	1.24	0.93
Small	Low	Low	5.1	1.23	0.91
Geo Avg Mkt Cap	Geo Avg Mkt Cap	Geo Avg Mkt Cap	6387	0.04	1.12

**Fixed-Income Style**

Value	Brand	Growth	Port	Rel	Rel
			Avg	Index	Cat
High	High	Ext	—	—	—
Med	Med	Med	—	—	—
Low	Low	Low	—	—	—
Avg Eff Maturity	Avg Eff Maturity	Avg Eff Maturity	—	—	—
Avg Eff Duration	Avg Eff Duration	Avg Eff Duration	—	—	—
Avg Wtd Coupon	Avg Wtd Coupon	Avg Wtd Coupon	—	—	—
Avg Wtd Price	Avg Wtd Price	Avg Wtd Price	—	—	—

**Credit Quality Breakdown** —

Credit Quality	Bond %
AAA	—
AA	—
A	—
BBB	—
BB	—
B	—
Below B	—
NR	—

**Regional Exposure**

Region	Stocks %	Rel Std Index
Americas	99.5	1.01
Greater Europe	0.0	0.00
Greater Asia	0.5	2.40

**Share Clng**

Share Clng	Share	Holdings	Net Assets
since	Amount	639 Total Stocks, 0 Total Fixed-Income, 24% Turnover Ratio	%
02-2021	589,825	Teledyne Technologies Inc	0.88
	2 mil	Energis Inc	0.67
	619,060	Bio-Techne Corp	0.66
	2 mil	PTC Inc	0.64
	794,480	Charles River Laboratories Interna	0.64
	8 mil	Avantor Inc	0.63
	1 mil	Guardant Health Inc	0.61
	443,349	Fair Isaac Corp	0.60
	609,662	Pool Corp	0.59
	2 mil	Cree Inc	0.55
	3 mil	Graco Inc	0.54
	1 mil	NovoCure Ltd	0.51
	793,663	Masimo Corp	0.51
	2 mil	Chegg Inc	0.51
	3 mil	Summit Inc	0.50

**Sector Weightings**

Sector	Stocks %	Rel Std Index
<b>Cyclical</b>	<b>25.2</b>	<b>0.81</b>
Basic Materials	2.3	0.99
Consumer Cyclical	11.0	0.90
Financial Services	4.2	0.30
Real Estate	7.7	3.11
<b>Sensitive</b>	<b>46.9</b>	<b>1.01</b>
Communication Services	3.3	0.31
Energy	1.3	0.48
Industrials	13.1	1.43
Technology	29.1	1.24
<b>Defensive</b>	<b>27.9</b>	<b>1.25</b>
Consumer Defensive	3.6	0.55
Healthcare	23.9	1.82
Utilities	0.4	0.13

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.

# Vanguard Target Retirement 2020 Inv (USD)

**Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat**  
**Silver** **★★★★** **US Fund Target-Date**  
 03-03-2021 152 US Fund Target-Date **US Fund Target-Date**  
 2020 **Tgt Risk TR USD** Lifetime Mod 2020 **2020**  
 TR USD

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	7.82	3.21	1.19	4.46	17.63
2020	-10.76	11.40	4.48	7.86	12.04
2021	1.28	—	—	—	1.28
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	27.16	8.73	8.92	7.68	6.82
Std 03-31-2021	27.16	—	8.92	7.68	6.82
Total Return	27.16	8.73	8.92	7.68	6.82
+/- Std Index	-5.91	-0.92	-0.83	0.09	—
+/- Cat Index	1.07	-0.17	0.23	0.50	—
% Rank Cat	50	38	34	18	—
No. in Cat	166	152	109	65	—

7-day Yield — Subsidized — Unsubsidized —  
 30-day SEC Yield 04-21-21 1.56 1.56

**Performance Disclosure**  
 The overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

### Fees and Expenses

**Sales Charges**  
**Front-End Load %** **NA**  
**Deferred Load %** **NA**

### Fund Expenses

Management Fees % 0.00  
 12b1 Expense % NA  
**Net Expense Ratio %** **0.13**  
**Gross Expense Ratio %** **0.13**

### Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3★	3★	4★
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	Avg	Avg	+Avg

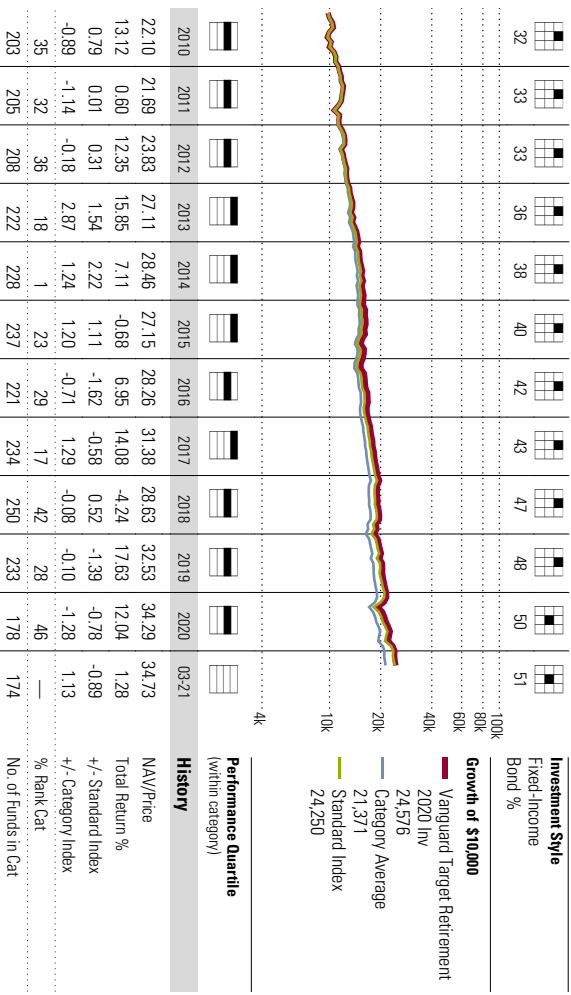
Standard Deviation 3 Yr 9.61 5 Yr 7.79 10 Yr 7.96  
 Mean 8.73 8.92 7.68  
 Sharpe Ratio 0.77 0.99 0.89

MPT Statistics Standard Index Best Fit Index Morningstar  
 Lifetime Mod 2020 TR USD

Alpha 0.30 0.66  
 Beta 0.85 0.76  
 R-Squared 98.95 99.32  
 12-Month Yield 1.53%  
 Potential Cap Gains Exp 30.31%

### Operations

Family: Vanguard  
 Manager: Multiple  
 Tenure: 8.2 Years  
 Objective: Asset Allocation



Portfolio Analysis 03-31-2021		Asset Allocation %		Net %		Long %		Short %		Share Clng		Share Holdings		NAV/Price		Total Return %		+/- Standard Index		+/- Category Index		% Rank Cat		History	
Cash	0.66	0.73	0.07	0.66	0.73	0.07	0.66	0.73	0.07	0.02-2021	Amount	10,511	Total Stocks	17,764	Total Fixed-Income,	30.43	1.28	-0.89	-0.89	—	—	—	—	—	—
US Stocks	28.05	28.05	0.00	28.05	28.05	0.00	28.05	28.05	0.00	841 mil	Vanguard Total Bond Market II Idx	841 mil	Vanguard Total Bond Market II Idx	30.43	1.28	-0.89	-0.89	—	—	—	—	—	—	—	—
Non-US Stocks	19.46	19.46	0.00	19.46	19.46	0.00	19.46	19.46	0.00	85 mil	Vanguard Total Stock Mkt Idx Inv	85 mil	Vanguard Total Stock Mkt Idx Inv	28.21	28.21	—	—	—	—	—	—	—	—	—	—
Bonds	51.46	51.56	0.10	51.46	51.56	0.10	51.46	51.56	0.10	291 mil	Vanguard Total Intl Stock Index Inv	291 mil	Vanguard Total Intl Stock Index Inv	19.29	19.29	—	—	—	—	—	—	—	—	—	—
Other/Not Clsfd	0.37	0.37	0.00	0.37	0.37	0.00	0.37	0.37	0.00	344 mil	Vanguard Total Intl Bd Idx Investor	344 mil	Vanguard Total Intl Bd Idx Investor	12.92	12.92	—	—	—	—	—	—	—	—	—	—
Total	100.00	100.17	0.18	100.00	100.17	0.18	100.00	100.17	0.18	107 mil	Vanguard Shrt-Term Intl-Prot Sec I	107 mil	Vanguard Shrt-Term Intl-Prot Sec I	9.06	9.06	—	—	—	—	—	—	—	—	—	—
Equity Style	Value	Small	Govt	Value	Small	Govt	Value	Small	Govt	5 mil	Vanguard Total Intl Bd Idx Inve	5 mil	Vanguard Total Intl Bd Idx Inve	0.16	0.16	—	—	—	—	—	—	—	—	—	—
Portfolio Statistics	P/E Ratio TTM	13.5	1.04	0.94	13.5	1.04	0.94	13.5	1.04	0.94	36.1	Stocks %	36.1	Stocks %	36.1	Rel Std Index	0.93	0.91	1.13	1.00	1.00	1.00	1.00	1.00	1.00
	P/B Ratio TTM	2.7	1.09	0.93	2.7	1.09	0.93	2.7	1.09	0.93	4.8	Consumer Cyclical	4.8	Consumer Cyclical	4.8	0.91	0.91	1.13	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Geo Avg Mkt Cap	60903	1.30	0.92	60903	1.30	0.92	60903	1.30	0.92	15.7	Financial Services	15.7	Financial Services	15.7	1.13	1.13	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Small	—	—	—	—	—	—	—	—	—	3.5	Real Estate	3.5	Real Estate	3.5	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Fixed-Income Style		Avg Eff Maturity		Avg Eff Duration		Avg Wtd Coupon		Avg Wtd Price	
Lat	Med	Ext	High	Med	Low	High	Med	Low	High
Lat	Med	Ext	High	Med	Low	High	Med	Low	High

### Credit Quality Breakdown 02-28-2021

	Bond %
AAA	59.30
AA	8.55
A	14.67
BBB	14.06
BB	0.00
B	0.00
Below B	0.42
NR	3.00

Regional Exposure		Stocks %		Rel Std Index	
Americas	62.5	62.5	1.02	1.02	1.02
Greater Europe	17.1	17.1	0.96	0.96	0.96
Greater Asia	20.3	20.3	0.99	0.99	0.99

Base Currency: USD  
 Ticker: VTWVX  
 ISIN: US92202E8057  
 Minimum Initial Purchase: \$1,000

Purchase Constraints: —  
 Incept: 06-07-2006  
 Type: MF  
 Total Assets: \$30,652,400 mil

Sector Weightings		Stocks %		Rel Std Index	
Cyclical	36.1	36.1	0.93	0.93	0.93
Basic Materials	4.8	4.8	0.91	0.91	0.91
Consumer Cyclical	12.1	12.1	1.13	1.13	1.13
Financial Services	15.7	15.7	1.00	1.00	1.00
Real Estate	3.5	3.5	1.00	1.00	1.00
Sensitive	42.8	42.8	1.12	1.12	1.12
Communication Services	9.3	9.3	1.32	1.32	1.32
Energy	3.4	3.4	0.92	0.92	0.92
Industrials	10.8	10.8	0.92	0.92	0.92
Technology	19.3	19.3	1.22	1.22	1.22
Defensive	21.1	21.1	0.93	0.93	0.93
Consumer Defensive	6.6	6.6	0.87	0.87	0.87
Healthcare	11.9	11.9	0.99	0.99	0.99
Utilities	2.6	2.6	0.84	0.84	0.84

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# Vanguard Target Retirement 2025 Inv (USD)

**Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat**  
**Silver** **★★★★** **191 US Fund Target-Date** **Morningstar Mod** **US Fund Target-Date**  
 03-03-2021 **191 US Fund Target-Date** **Tgt Risk TR USD** **Lifetime Mod 2025 2025**  
 2025 **TR USD**

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	8.82	3.35	1.10	5.22	19.63
2020	-12.95	13.20	5.17	9.33	13.30
2021	1.86	—	—	—	1.86

Trailing Returns		1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	32.57	9.62	9.95	8.31	7.34	
Std 03-31-2021	32.57	—	9.95	8.31	7.34	
Total Return	32.57	9.62	9.95	8.31	7.34	
+/- Std Index	-0.50	-0.03	0.20	0.72	—	
+/- Cat Index	2.79	0.21	0.43	0.55	—	
% Rank Cat	39	29	27	16		
No. in Cat	211	191	151	86		

**Performance Disclosure**  
 The overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.  
 The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate, thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.  
 Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

7-day Yield		Subsidized	Unsubsidized
30-day SEC Yield 04-21-21	1.63		1.63

Sales Charges		NA
Front-End Load %		NA
Deferred Load %		NA

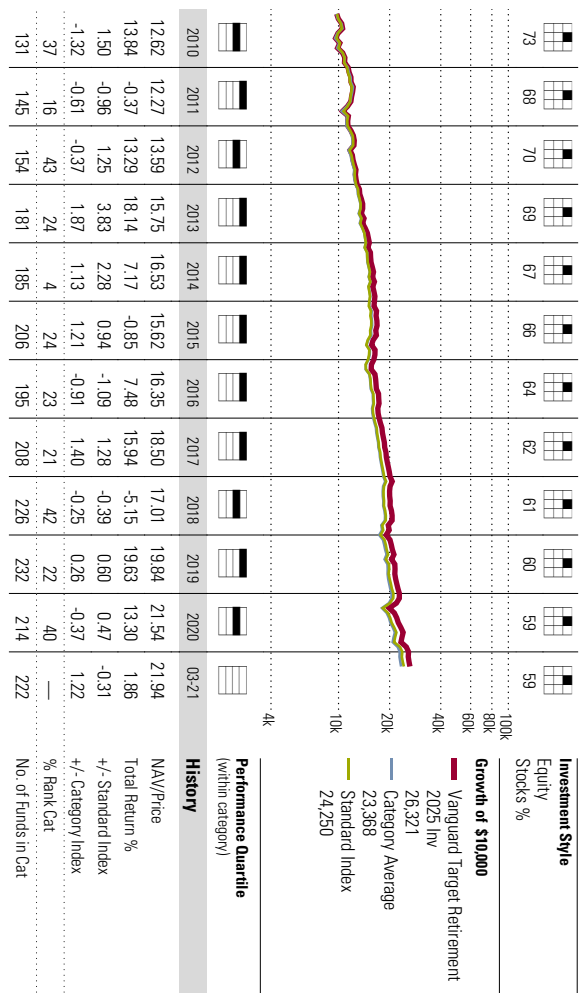
Fund Expenses		0.00
Management Fees %		0.00
12b1 Expense %		NA
Net Expense Ratio %		0.13
Gross Expense Ratio %		0.13

Risk and Return Profile		3 Yr	5 Yr	10 Yr
Morningstar Rating™	191 funds	4★	4★	4★
Morningstar Risk	Avg	Avg	Avg	Avg
Morningstar Return	+Avg	+Avg	+Avg	+Avg

Standard Deviation		3 Yr	5 Yr	10 Yr
Mean	11.31	9.14	9.13	9.13
Sharpe Ratio	9.62	9.95	8.31	8.31
	0.75	0.96		

MPT Statistics		Standard Index	Best Fit Index
Alpha	0.01	0.45	Morningstar TR USD
Beta	1.00	0.90	Lifetime Mod 2020
R-Squared	99.37	99.48	
12-Month Yield		1.58%	
Potential Cap Gains Exp		31.66%	

Operations		Vanguard
Family:	Multiple	
Manager:	8.2 Years	
Tenure:	Asset Allocation	
Objective:		



Portfolio Analysis 03-31-2021		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	03-21	History
NAV/Price	12.62	12.27	13.59	15.75	16.53	15.62	16.35	18.50	17.01	19.84	21.54	21.94		
Total Return %	13.84	-0.37	13.29	18.14	7.17	-0.85	7.48	15.94	-5.15	19.63	13.30	1.86		
+/- Standard Index	1.50	-0.96	1.25	3.83	2.28	0.94	-1.09	1.28	-0.39	0.60	0.47	-0.31		
+/- Category Index	-1.32	-0.61	-0.37	1.87	1.13	1.21	-0.91	1.40	-0.25	0.26	-0.37	1.22		
% Rank Cat	37	16	43	24	4	24	23	21	42	22	40	—		
No. of Funds in Cat	131	145	154	181	185	206	195	208	226	232	214	222		

Asset Allocation %		Net %	Long %	Short %
Cash	0.21	0.29	0.08	0.08
US Stocks	34.90	34.90	0.00	0.00
Non-US Stocks	23.88	23.88	0.00	0.00
Bonds	40.66	40.75	0.10	0.10
Other/Not Cstfd	0.35	0.35	0.00	0.00
Total	100.00	100.18		0.18

Equity Style		Value	Small	Mid	Large	Share Clng	Share Holdings	Net Assets %
P/E Ratio TTM	24.5	1.04	0.96			166 mil	Vanguard Total Stock Mkt Idx Inv	35.11
P/B Ratio TTM	13.5	1.04	0.94			1,216 mil	Vanguard Total Bond Market II Idx	28.11
P/B Ratio TTM	2.7	1.10	0.93			560 mil	Vanguard Total Int Stock Index Inv	23.70
Geo Avg Mkt Cap	61331	1.31	0.88			499 mil	Vanguard Total Int Bd Idx Investor	11.96
						15 mil	Vanguard Shrt-Term Intl-Prot Sec I	0.84
						17 mil	Vanguard Total Intl Bd II Idx Inve	0.36

Fixed-Income Style		High	Med	Low
Ang Eff Maturity	8.71			
Ang Eff Duration	7.03			
Ang Wtd Coupon	2.41			
Ang Wtd Price	109.16			

Sector Weightings		Stocks %	Rel Std Index
Cyclical	36.1	0.92	
Basic Materials	4.8	0.91	
Consumer Cyclical	12.1	1.13	
Financial Services	15.6	1.00	
Real Estate	3.5	0.48	
Sensitive	42.8	1.12	
Communication Services	9.3	1.32	
Energy	3.4	0.92	
Industrials	10.8	0.91	
Technology	19.3	1.23	
Defensive	21.1	0.93	
Consumer Defensive	6.6	0.87	
Healthcare	11.9	0.99	
Utilities	2.6	0.84	

Credit Quality Breakdown 02-28-2021		AAA	AA	A	BBB	BB	B	Below B	NR
AAA	52.11								
AA	10.07								
A	17.26								
BBB	16.53								
BB	0.00								
B	0.00								
Below B	0.49								
NR	3.54								

Regional Exposure		Stocks %	Rel Std Index
Americas	62.9	1.02	
Greater Europe	17.0	0.95	
Greater Asia	20.1	0.98	

Base Currency:		USD
Ticker:	VTVX	
ISIN:	US92202E4098	
Minimum Initial Purchase:	\$1,000	

Purchase Constraints:		—
Incept:	10-27-2003	
Type:	MF	
Total Assets:	\$48,029.63 mil	

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be presented or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.





# Vanguard Target Retirement 2030 Inv (USD)

**Morningstar Analyst Rating™**  
**Silver**  
 03-03-2021

**Overall Morningstar Rating™**  
**★★★★**  
 192 US Fund Target-Date  
 2030

**Standard Index**  
 Morningstar Mod  
 Tgt Risk TR USD

**Category Index**  
 Morningstar  
 Lifetime Mod 2030  
 TR USD

**Morningstar Cat**  
 US Fund Target-Date  
 2030

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	9.54	3.41	0.89	5.95	21.07
2020	-14.76	14.58	5.70	10.52	14.10
2021	2.49	—	—	—	2.49

Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	37.19	10.26	10.77	8.84	7.44
Std 03-31-2021	37.19	—	10.77	8.84	7.44
Total Return	37.19	10.26	10.77	8.84	7.44

+/- Std Index					
	1.93	0.27	0.26	0.45	—
% Rank Cat	47	40	35	22	—
No. in Cat	212	192	149	82	—

7-day Yield	
30-day SEC Yield 04-21-21	1.62
Subsidized	—
Unsubsidized	1.62

**Performance Disclosure**  
 The overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

## Fees and Expenses

**Sales Charges**

**Front-End Load %**  
**Deferred Load %**  
**NA**

## Fund Expenses

Management Fees %  
 0.00

12b1 Expense %  
 NA

**Net Expense Ratio %**  
**0.14**

**Gross Expense Ratio %**  
**0.14**

## Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3★	4★	4★
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	Avg	Avg	+Avg

	3 Yr	5 Yr	10 Yr
Standard Deviation	12.66	10.22	10.17
Mean	10.26	10.77	8.84
Sharpe Ratio	0.73	0.94	0.83

MPT Statistics	Standard Index	Best Fit Index	Morningstar
			TR USD
			Lifetime Mod 2030

Alpha	-0.25	0.79	0.79
Beta	1.12	0.87	0.87
R-Squared	99.46	99.51	99.51
12-Month Yield	1.58%	1.58%	1.58%
Potential Cap Gains Exp	30.66%	30.66%	30.66%

## Operations

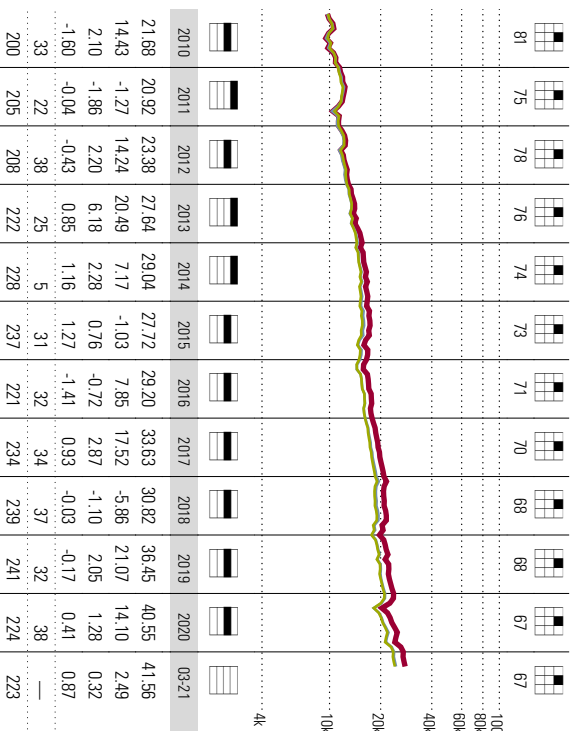
Family: Vanguard  
 Manager: Multiple  
 Tenure: 8.2 Years  
 Objective: Asset Allocation

Base Currency: USD  
 Ticker: VTHHX  
 ISIN: US92202E8883

Minimum Initial Purchase: \$1,000

Purchase Constraints: —  
 Incept: 06-07-2006  
 Type: MF

Total Assets: \$44,163,18 mil



Investment Style	Equity	Stocks %
Vanguard Target Retirement 2030 Inv	27,868	63%
Category Average	24,621	59%
Standard Index	24,250	58%

Performance Quartile (within category)	NAV/Price	Total Return %	+/- Standard Index	+/- Category Index	% Rank Cat	No. of Funds in Cat
History	33.63	30.82	36.45	40.55	41.56	—
	17.52	-5.86	21.07	14.10	2.49	—
	2.87	-1.10	2.05	1.28	0.32	—
	0.93	-0.03	-0.17	0.41	0.87	—
	3.4	37	32	38	—	—
	23.4	239	241	224	223	—

**Portfolio Analysis 03-31-2021**

Asset Allocation %	Net %	Long %	Short %
Cash	0.18	0.24	0.06
US Stocks	39.73	39.73	0.00
Non-US Stocks	27.11	27.11	0.00
Bonds	32.70	32.77	0.08
Other/Not Cstfd	0.30	0.30	0.00
Total	100.00	100.14	0.14

**Equity Style**

Value	Brand	Growth	Port	Rel	Index	Rel	Index	Rel	Index	
Large	Med	Ext	P/E Ratio TTM	24.5	1.04	0.95	P/C Ratio TTM	13.5	1.04	0.93
Mid	Med	Small	P/B Ratio TTM	2.7	1.10	0.91	Geo Avg Mkt Cap	61538	1.31	0.89
Small	Small	—	Ang Eff Maturity	8.83	—	—	Ang Eff Duration	7.11	—	—
—	—	—	Ang Wtd Coupon	2.45	—	—	Ang Wtd Price	108.95	—	—

**Fixed-Income Style**

Value	Brand	Growth	Port	Rel	Index	Rel	Index	Rel	Index	
High	Med	Ext	Ang Eff Maturity	8.83	—	—	Ang Eff Duration	7.11	—	—
Med	Med	Low	Ang Wtd Coupon	2.45	—	—	Ang Wtd Price	108.95	—	—
Low	Low	—	—	—	—	—	—	—	—	—

## Credit Quality Breakdown 02-28-2021

	Bond %
AAA	51.12
AA	10.29
A	17.61
BBB	16.86
BB	0.00
B	0.00
Below B	0.50
NR	3.62

**Regional Exposure**

	Stocks %	Rel Std Index
Americas	62.9	1.02
Greater Europe	17.0	0.95
Greater Asia	20.1	0.98

**Sector Weightings**

	Stocks %	Rel Std Index
<b>Cyclical</b>	<b>36.0</b>	<b>0.92</b>
Basic Materials	4.8	0.91
Consumer Cyclical	12.1	1.13
Financial Services	15.6	1.00
Real Estate	3.5	0.48
<b>Sensitive</b>	<b>42.9</b>	<b>1.12</b>
Communication Services	9.4	1.32
Energy	3.4	0.92
Industrials	10.8	0.92
Technology	19.3	1.23
<b>Defensive</b>	<b>21.1</b>	<b>0.93</b>
Consumer Defensive	6.6	0.87
Healthcare	11.9	0.99
Utilities	2.6	0.84

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be precatred or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.

# Vanguard Target Retirement 2035 Inv (USD)

**Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat**  
**Silver** **★★★★** **188 US Fund Target-Date** **Morningstar Mod** **US Fund Target-Date**  
 03-03-2021 **Tgt Risk TR USD** **Lifetime Mod 2035 2035**

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	10.20	3.42	0.70	6.68	22.44
2020	-16.52	15.90	6.29	11.62	14.79
2021	3.17	—	—	—	3.17
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	41.87	10.86	11.57	9.33	8.11
Std 03-31-2021	41.87	—	11.57	9.33	8.11
Total Return	41.87	10.86	11.57	9.33	8.11
+/- Std Index	8.79	1.22	1.82	1.74	—
+/- Cat Index	-0.06	0.34	0.13	0.44	—
% Rank Cat	60	46	41	27	—
No. in Cat	204	188	148	83	—

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield 04-21-21	1.60	1.60

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

## Fees and Expenses

<b>Sales Charges</b>	
<b>Front-End Load %</b>	<b>NA</b>
<b>Deferred Load %</b>	<b>NA</b>

<b>Fund Expenses</b>	
Management Fees %	0.00
12b1 Expense %	NA
<b>Net Expense Ratio %</b>	<b>0.14</b>
<b>Gross Expense Ratio %</b>	<b>0.14</b>

## Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3★	3★	4★
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	Avg	Avg	+Avg

Standard Deviation	3 Yr 14.00	5 Yr 11.30	10 Yr 11.21
Mean	10.86	11.57	9.33
Sharpe Ratio	0.71	0.92	0.80

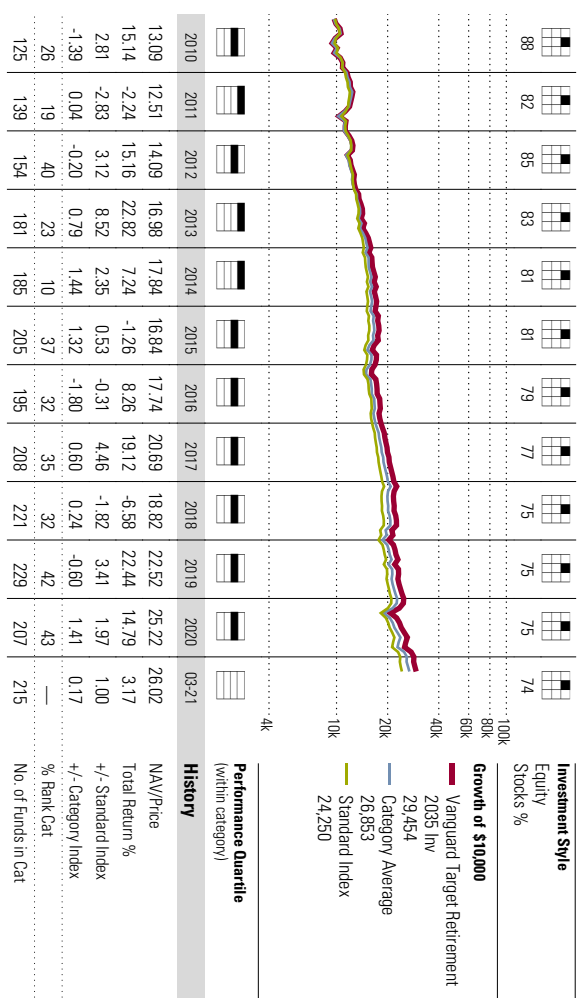
MPT Statistics	Standard Index	Best Fit Index Morningstar TR USD	Lifetime Mod 2035 TR USD
Alpha	-0.53	0.62	0.62
Beta	1.23	0.96	0.96
R-Squared	99.35	99.48	99.48
12-Month Yield Potential Cap Gains Exp	1.56%	33.92%	33.92%

<b>Operations</b>	
Family:	Vanguard
Manager:	Multiple
Tenure:	8.2 Years
Objective:	Asset Allocation

<b>Base Currency:</b>	USD
<b>Ticker:</b>	VTHIX
<b>ISIN:</b>	US92202E9087
<b>Minimum Initial Purchase:</b>	\$1,000

<b>Regional Exposure</b>	Stocks %	Rel Std Index
Americas	63.0	1.02
Greater Europe	17.0	0.95
Greater Asia	20.0	0.97

<b>Purchase Constraints:</b>	—
<b>Incept:</b>	10-27-2003
<b>Type:</b>	MF
<b>Total Assets:</b>	\$43,545.55 mil



Portfolio Allocation %		Net %	Long %	Short %
Cash	0.18	0.23	0.05	0.05
US Stocks	44.30	44.30	0.00	0.00
Non-US Stocks	30.15	30.15	0.00	0.00
Bonds	25.13	25.19	0.06	0.06
Other/Not Cstfd	0.24	0.24	0.00	0.00
Total	100.00	100.11	0.11	0.11

## Portfolio Analysis 03-31-2021

Equity Style	Value	Brand	Growth	Port	Rel	Index	Rel	Cat
	Large	Mid	Ext	Avg Eff Maturity	P/E Ratio TTM	P/C Ratio TTM	P/B Ratio TTM	Geo Avg Mkt Cap
Fixed-Income Style	—	—	—	8.83	7.11	1.04	0.96	24.5
Credit Quality Breakdown 02-28-2021	—	—	—	7.11	1.04	0.95	13.5	1.04
AAA	—	—	—	2.45	1.04	0.95	2.7	1.10
AA	—	—	—	2.45	1.04	0.95	2.7	1.10
AAA	—	—	—	2.45	1.04	0.95	2.7	1.10
AA	—	—	—	2.45	1.04	0.95	2.7	1.10
A	—	—	—	2.45	1.04	0.95	2.7	1.10
BBB	—	—	—	2.45	1.04	0.95	2.7	1.10
BB	—	—	—	2.45	1.04	0.95	2.7	1.10
B	—	—	—	2.45	1.04	0.95	2.7	1.10
Below B	—	—	—	2.45	1.04	0.95	2.7	1.10
NR	—	—	—	2.45	1.04	0.95	2.7	1.10

Share Cng	Share	Holdings	Net Assets
since	Amount	10,764 Total Stocks, 17,013 Total Fixed-Income, 18% Turnover Ratio	%
02-2021	191 mil	Vanguard Total Stock Mkt Idx Inv	44.56
—	642 mil	Vanguard Total Int Stock Index Inv	30.00
—	694 mil	Vanguard Total Bond Market II Idx	17.70
—	286 mil	Vanguard Total Int Bd Idx Investor	7.56
—	10 mil	Vanguard Total Int Bd II Idx Inv	0.22

Sector Weightings	Stocks %	Rel Std Index
<b>Cyclical</b>	<b>36.0</b>	<b>0.92</b>
Basic Materials	4.8	0.91
Consumer Cyclical	12.1	1.13
Financial Services	15.6	0.99
Real Estate	3.5	0.48
<b>Sensitive</b>	<b>42.9</b>	<b>1.12</b>
Communication Services	9.4	1.32
Energy	3.4	0.92
Industrials	10.8	0.92
Technology	19.3	1.23
<b>Defensive</b>	<b>21.1</b>	<b>0.93</b>
Consumer Defensive	6.6	0.87
Healthcare	11.9	0.99
Utilities	2.6	0.84

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be precatod or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# Vanguard Target Retirement 2040 Inv (USD)

**Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat**  
**Silver** **★★★★** **US Fund Target-Date**  
 03-03-2021 192 US Fund Target-Date **US Fund Target-Date**  
 Tgt Risk TR USD Lifetime Mod 2040 2040  
 TR USD

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	10.96	3.46	0.49	7.38	23.86
2020	-18.25	17.29	6.80	12.76	15.47
2021	3.82	—	—	—	3.82
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	46.64	11.43	12.36	9.79	8.03
Std 03-31-2021	46.64	—	12.36	9.79	8.03
Total Return	46.64	11.43	12.36	9.79	8.03
+/- Std Index	13.56	1.78	2.61	2.20	—
+/- Cat Index	-1.25	0.51	0.27	0.60	—
% Rank Cat	60	44	38	25	—
No. in Cat	206	192	149	82	—

7-day Yield — Subsidized  
 30-day SEC Yield 04-21-21 1.58 1.58

**Performance Disclosure**  
 The overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

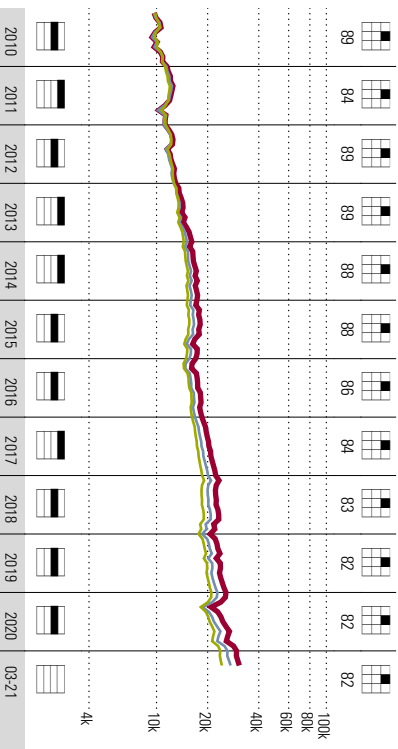
**Sales Charges**  
**Front-End Load %** NA  
**Deferred Load %** NA

**Fund Expenses**  
 Management Fees % 0.00  
 12b1 Expense % NA  
**Net Expense Ratio %** 0.14  
**Gross Expense Ratio %** 0.14

Risk and Return Profile					
	3 Yr	5 Yr	10 Yr		
Morningstar Rating™	3★	3★	4★		
Morningstar Risk	Avg	Avg	Avg		
Morningstar Return	Avg	Avg	+Avg		
Standard Deviation	15.35	12.38	12.05		
Mean	11.43	12.36	9.79		
Sharpe Ratio	0.69	0.91	0.79		

MPT Statistics	Standard Index	Best Fit Index
Alpha	-0.82	0.26
Beta	1.35	1.02
R-Squared	99.21	99.54
12-Month Yield	1.56%	1.56%
Potential Cap Gains Exp	32.14%	32.14%

Operations			
Family:	Vanguard	Base Currency:	USD
Manager:	Multiple	Ticker:	VFORX
Tenure:	8.2 Years	SIN:	USS92202EB701
Objective:	Asset Allocation	Minimum Initial Purchase:	\$1,000



Portfolio Analysis 03-31-2021												
Asset Allocation %						Net %						
Cash	21.50	20.50	23.18	28.32	29.76	28.45	30.21	35.77	32.31	39.13	44.27	45.86
US Stocks	15.17	-2.55	15.56	24.37	7.15	-1.59	8.73	20.71	-7.32	23.86	15.47	3.82
Non-US Stocks	2.84	-3.14	3.52	10.07	2.28	0.21	0.16	6.05	-2.57	4.83	2.65	1.65
Bonds	-1.54	0.30	-0.15	1.32	1.63	1.25	-1.88	0.33	-0.49	2.38	-0.42	-0.42
Other/Not Cstfd	35	19	31	15	12	43	27	25	37	43	40	—
Total	194	202	204	218	227	237	221	234	239	241	218	217

Sector Weightings											
	Share Cng	Share	Holdings:								
Basic Materials	168 mil	Vanguard Total Stock Mkt Idx Inv	10,791 Total Stocks, 16,456 Total Fixed-Income, 13% Turnover Ratio	02-2021	Amount	168 mil	13%	168 mil	13%	168 mil	13%
Consumer Cyclical	563 mil	Vanguard Total Int'l Stock Index Inv			Amount	563 mil		563 mil		563 mil	
Financial Services	396 mil	Vanguard Total Bond Market II Idx			Amount	396 mil		396 mil		396 mil	
Real Estate	166 mil	Vanguard Total Int'l Bd Idx Investor			Amount	166 mil		166 mil		166 mil	
	0	Vanguard Total Int'l Bd II Idx Inv			Amount	0		0		0	

Equity Style					
Value	Small	Mid	Large	Value	Small
Value	Small	Mid	Large	Value	Small
Small	Mid	Large	Value	Small	Mid
Mid	Large	Value	Small	Mid	Large
Large	Value	Small	Mid	Large	Value

Fixed-Income Style					
Lat	Med	Ext	High	Low	Med
Lat	Med	Ext	High	Low	Med
Med	Ext	High	Low	Med	Lat
Ext	High	Low	Med	Lat	Med
High	Low	Med	Lat	Med	Ext
Low	Med	Lat	Med	Ext	High

Credit Quality Breakdown 02-28-2021					
	AAA	AA	A	BBB	BB
AAA	50.88	10.39	17.68	16.88	0.00
AA	10.39	17.68	16.88	0.00	0.00
A	16.88	0.00	0.00	0.00	0.00
BBB	0.00	0.00	0.00	0.00	0.00
BB	0.00	0.00	0.00	0.00	0.00
B	0.00	0.00	0.00	0.00	0.00
Below B	0.51	3.67			
NR					

Regional Exposure			
	Stocks %	Rel Std Index	
Americas	63.0	1.02	
Greater Europe	17.0	0.95	
Greater Asia	20.0	0.97	

Sector Weightings			
	Stocks %	Rel Std Index	
Cyclical	36.0	0.92	
Basic Materials	4.8	0.91	
Consumer Cyclical	12.1	1.13	
Financial Services	15.5	0.99	
Real Estate	3.5	0.48	
Sensitive	42.9	1.12	
Communication Services	9.4	1.32	
Energy	3.4	0.92	
Industrials	10.8	0.92	
Technology	19.4	1.23	
Defensive	21.1	0.93	
Consumer Defensive	6.6	0.87	
Healthcare	11.9	0.99	
Utilities	2.6	0.84	

Purchase Constraints:			
Base Currency:	USD	Incept:	—
Ticker:	VFORX	Type:	06-07-2006
SIN:	USS92202EB701	MF	—
Minimum Initial Purchase:	\$1,000	Total Assets:	\$34,696.31 mil

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be presented or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# Vanguard Target Retirement 2045 Inv (USD)

**Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat**  
**Silver** **★★★★** **188 US Fund Target-Date** **Morningstar Mod** **US Fund Target-Date**  
 03-03-2021 **188 US Fund Target-Date** **Tgt Risk TR USD** **Lifetime Mod 2045 2045**  
 2045 **TR USD**

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	11.48	3.51	0.26	8.00	24.94
2020	-19.88	18.70	7.36	13.90	16.30
2021	4.47	—	—	—	4.47
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	51.64	12.03	12.89	10.04	8.70
Std 03-31-2021	51.64	—	12.89	10.04	8.70
Total Return	51.64	12.03	12.89	10.04	8.70
+/- Std Index	18.57	2.39	3.14	2.46	—
+/- Cat Index	0.07	0.92	0.50	0.79	—
% Rank Cat	49	35	31	21	—
No. in Cat	204	188	148	82	—

7-day Yield — Subsidized  
 30-day SEC Yield 04-21-21 1.56 1.56

**Performance Disclosure**  
 The overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate, thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

## Fees and Expenses

**Sales Charges**  
**Front-End Load %** NA  
**Deferred Load %** NA

**Fund Expenses**  
 Management Fees % 0.00  
 12b1 Expense % NA

**Net Expense Ratio %** 0.15  
**Gross Expense Ratio %** 0.15

## Risk and Return Profile

	3 Yr	5 Yr	10 Yr
Morningstar Rating™	3★	4★	4★
Morningstar Risk	Avg	Avg	-Avg
Morningstar Return	Avg	+Avg	+Avg

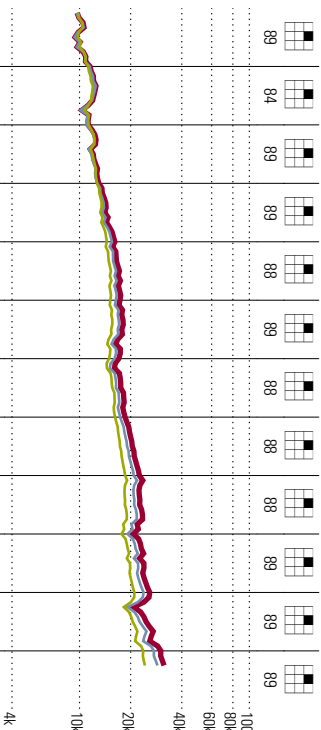
Standard Deviation 3 Yr 16.59 5 Yr 13.34 10 Yr 12.56  
 Mean 12.03 12.89 10.04  
 Sharpe Ratio 0.68 0.89 0.78

MPT Statistics Standard Index Best Fit Index  
 Morningstar Mod Agg Tgt Risk TR USD

Alpha -0.99 0.17 0.17  
 Beta 1.46 1.11 1.11  
 R-Squared 99.08 99.58 99.58  
 12-Month Yield 1.53%  
 Potential Cap Gains Exp 32.91%

## Operations

**Family:** Vanguard  
**Manager:** Multiple  
**Tenure:** 8.2 Years  
**Objective:** Asset Allocation



Investment Style	
Equity	Stocks %
Vanguard Target Retirement	—
Vanguard Inv	31.467
Category Average	28.776
Standard Index	24.250

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	03-21	History
NAV/Price	13.50	12.87	14.55	17.76	18.65	17.78	18.89	22.50	20.21	24.70	28.19	29.45	NAV/Price
Total Return %	15.19	-2.51	15.58	24.37	7.16	-1.57	8.87	21.42	-7.90	24.94	16.30	4.47	Total Return %
+/- Standard Index	2.86	-3.11	3.54	10.06	2.27	0.22	0.30	6.77	-3.14	5.91	3.48	2.30	+/- Standard Index
+/- Category Index	-1.57	0.67	-0.26	1.30	1.91	1.45	-1.97	0.89	0.27	-0.03	3.35	-0.52	+/- Category Index
% Rank Cat	40	14	43	26	12	42	28	26	43	43	36	—	% Rank Cat
No. of Funds in Cat	123	139	145	180	186	206	195	208	221	229	207	215	No. of Funds in Cat

## Portfolio Analysis 03-31-2021

Asset Allocation %		Net %	Long %	Short %	Share Clng	Share Holdings	Net Assets %
Cash	0.18	0.21	0.03	0.03	since 02-2021	Amount	10,823 Total Stocks, 15,123 Total Fixed-Income,
US Stocks	53.23	53.23	0.00	0.00		9% Turnover Ratio	
Non-US Stocks	36.09	36.09	0.00	0.00		176 mil Vanguard Total Stock Mkt Idx Inv	53.55
Bonds	10.38	10.41	0.03	0.03		589 mil Vanguard Total Intl Stock Index Inv	35.96
Other/Not Clsfd	0.12	0.12	0.00	0.00		222 mil Vanguard Total Bond Market II Idx	7.40
Total	100.00	100.06	0.06	0.06		91 mil Vanguard Total Intl Bd Idx Investor	3.13
						0 Vanguard Total Intl Bd II Idx Inv	0.00

Equity Style		Portfolio Statistics		Port	Rel	Rel	Cat
Value	Brand Growth	Avg	Index	Avg	Index	Rel	Rel
Large	Med	P/E Ratio TTM	24.5	1.04	0.96		
Med	Small	P/C Ratio TTM	13.5	1.04	0.95		
		P/B Ratio TTM	2.7	1.10	0.94		
		Geo Avg Mkt Cap \$mil	61971	1.32	0.94		

## Fixed-Income Style

Ltd	Med	Ext	High	Low

## Credit Quality Breakdown 02-28-2021

	Avg Eff Maturity	Avg Eff Duration	Avg Wtd Coupon	Avg Wtd Price
AAA	8.83	7.11	2.46	—
AA	7.11	2.46	—	—
AAA	51.23	10.24	17.58	—
AA	16.86	0.00	0.00	—
BB	0.00	0.00	0.00	—
Below B	0.50	3.59	—	—

**Regional Exposure**  
 Americas 63.1  
 Greater Europe 17.0  
 Greater Asia 19.9

**Regional Exposure**  
 Stocks % 63.1  
 Rel Std Index 1.02  
 17.0  
 0.95  
 19.9  
 0.97

**Base Currency:** USD  
**Manager:** VTIVX  
**Ticker:** US92202EB077  
**ISIN:** US92202EB077  
**Minimum Initial Purchase:** \$1,000

**Purchase Constraints:** —  
**Incept:** 10-27-2003  
**Type:** MF  
**Total Assets:** \$33,306.04 mil

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be precatred or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.









# Vanguard Target Retirement 2060 Inv (USD)

**Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat**  
**Silver** **4★** **185 US Fund Target-Date** **Morningstar Mod** **US Fund Target-Date**  
 03-03-2021 **Tgt Risk TR USD** **Lifetime Mod 2060** **2060+**  
 2060+ **TR USD**

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	11.48	3.48	0.28	8.02	24.96
2020	-19.86	18.61	7.39	13.96	16.32
2021	4.54	—	—	—	4.54
Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	51.75	12.06	12.91	—	11.32
Std 03-31-2021	51.75	—	12.91	—	11.32
Total Return	51.75	12.06	12.91	—	11.32
+/- Std Index	18.68	2.42	3.16	—	—
+/- Cat Index	-1.76	1.09	0.50	—	—
% Rank Cat	73	52	57	—	—
No. in Cat	271	185	109	—	—

	Subsidized	Unsubsidized
7-day Yield	—	—
30-day SEC Yield 04-21-21	1.56	1.56

**Performance Disclosure**  
 The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

## Fees and Expenses

<b>Sales Charges</b>	
<b>Front-End Load %</b>	<b>NA</b>
<b>Deferred Load %</b>	<b>NA</b>

<b>Fund Expenses</b>	
Management Fees %	0.00
12b1 Expense %	NA

<b>Net Expense Ratio %</b>	<b>0.15</b>
<b>Gross Expense Ratio %</b>	<b>0.15</b>

Risk and Return Profile				
	3 Yr	5 Yr	10 Yr	
Morningstar Rating™	185 funds	109 funds	10 Yr	—
Morningstar Risk	3★	3★	—	—
Morningstar Return	-Avg	-Avg	—	—
	Avg	Avg	—	—

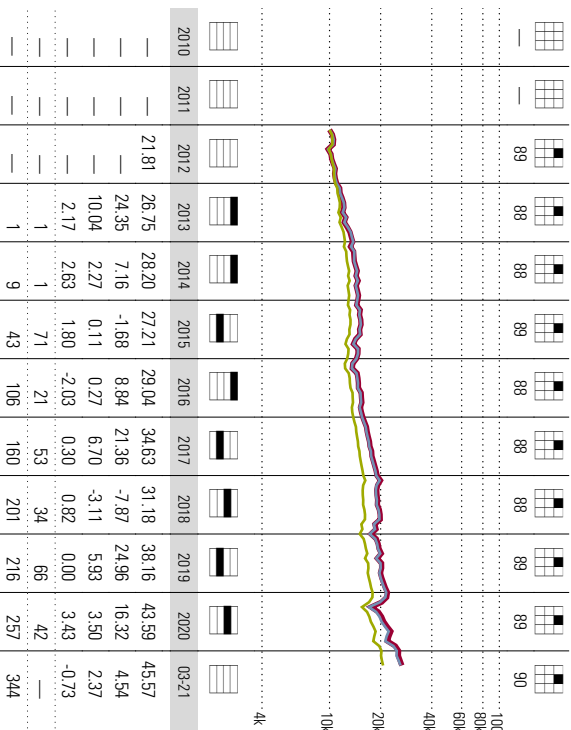
Standard Deviation	3 Yr	5 Yr	10 Yr
	16.59	13.33	—
Mean	12.06	12.91	—
Sharpe Ratio	0.69	0.89	—

MPT Statistics	Standard Index	Best Fit Index
	Morningstar Mod	Morningstar Mod
	Avg Tgt Risk TR	Avg Tgt Risk TR
	USD	USD

Alpha	-0.96	0.20
Beta	1.46	1.11
R-Squared	99.08	99.59
12-Month Yield	1.50%	1.50%
Potential Cap Gains Exp	15.45%	—

## Operations

Family:	Vanguard
Manager:	Multiple
Tenure:	8.2 Years
Objective:	Asset Allocation



Investment Style	
Equity	Stocks %
Vanguard Target Retirement 2060 Inv	26.666
Category Average	26.189
Standard Index	20.662

Performance Quartile (within category)	
History	NAV/Price
2010	21.81
2011	26.75
2012	28.20
2013	27.21
2014	-1.68
2015	8.84
2016	21.36
2017	-7.87
2018	31.18
2019	24.96
2020	16.32
03-21	4.54

Portfolio Analysis 03-31-2021		
Asset Allocation %	Net %	Long %
Cash	0.15	0.21
US Stocks	53.92	53.92
Non-US Stocks	36.41	36.41
Bonds	9.40	9.43
Other/Not Cstfd	0.11	0.11
Total	100.00	100.08

Equity Style		
Value	Brand	Growth
Large	Med	Small
High	Med	Low

Fixed-Income Style		
Ltd	Med	Ext
High	Med	Low

Credit Quality Breakdown 02-28-2021	
AAA	Bond %
AA	51.87
A	9.98
BBB	17.39
BB	16.82
B	0.00
Below B	0.00
NR	0.48

Portfolio Statistics		
P/E Ratio TTM	P/C Ratio TTM	P/B Ratio TTM
24.5	13.6	2.7
1.04	1.10	0.95
0.97	1.10	0.95
Geo Avg Mkt Cap 62056 1.32 0.95 \$mil		

Sector Weightings		
Cyclical	Non-Cyclical	Real Estate
35.9	4.8	12.1
4.8	12.1	1.3
9.4	15.5	0.99
3.4	3.5	0.48
9.4	42.9	1.32
0.92	3.4	1.32
0.92	9.4	0.92
0.92	10.8	0.92
1.23	19.4	1.23
2.1	21.1	0.93
6.6	6.6	0.87
11.9	11.9	0.99
2.6	2.6	0.84

Regional Exposure		
Stocks %	Rel Std Index	
Americas	63.2	1.03
Greater Europe	17.0	0.95
Greater Asia	19.9	0.97

Base Currency:	USD	Purchase Constraints:	—
Ticker:	VTTSX	Incept:	01-19-2012
ISIN:	US92202E8396	Type:	MF
Minimum Initial Purchase:	\$1,000	Total Assets:	\$7,184.51 mil

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



# Vanguard Target Retirement Income Inv (USD)

**Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index** **Category Index** **Morningstar Cat**  
**Silver** **★★★★** Morningstar Mod US Fund Target-Date Retirement  
 03-03-2021 139 US Fund Target-Date Tgt Risk TR USD Lifetime Mod Incm TR USD

Performance 03-31-2021					
Quarterly Returns	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total %
2019	5.50	2.97	1.52	2.60	13.16
2020	-5.91	7.84	3.12	5.15	10.02
2021	0.08	—	—	—	0.08

Trailing Returns					
	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly Std 03-31-2021	17.02	7.06	6.38	5.66	5.56
Total Return	17.02	7.06	6.38	5.66	5.56
+/- Std Index	-16.05	-2.58	-3.38	-1.93	—
+/- Cat Index	-3.72	-0.34	-0.38	0.17	—
% Rank Cat	57	32	46	16	—
No. in Cat	156	139	116	75	—

**Performance Disclosure**  
 The overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate, thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

<b>Sales Charges</b>	
<b>Front-End Load %</b>	<b>NA</b>
<b>Deferred Load %</b>	<b>NA</b>

<b>Fund Expenses</b>	
Management Fees %	0.00
12b1 Expense %	NA
<b>Net Expense Ratio %</b>	<b>0.12</b>
<b>Gross Expense Ratio %</b>	<b>0.12</b>

Risk and Return Profile					
	3 Yr	5 Yr	10 Yr	Best Fit Index	Morningstar
Morningstar Rating™	4★	3★	4★	Best Fit Index	Morningstar
Morningstar Risk	-Avg	-Avg	-Avg	LifeTime Mod 2015	TR USD
Morningstar Return	+Avg	Avg	+Avg		

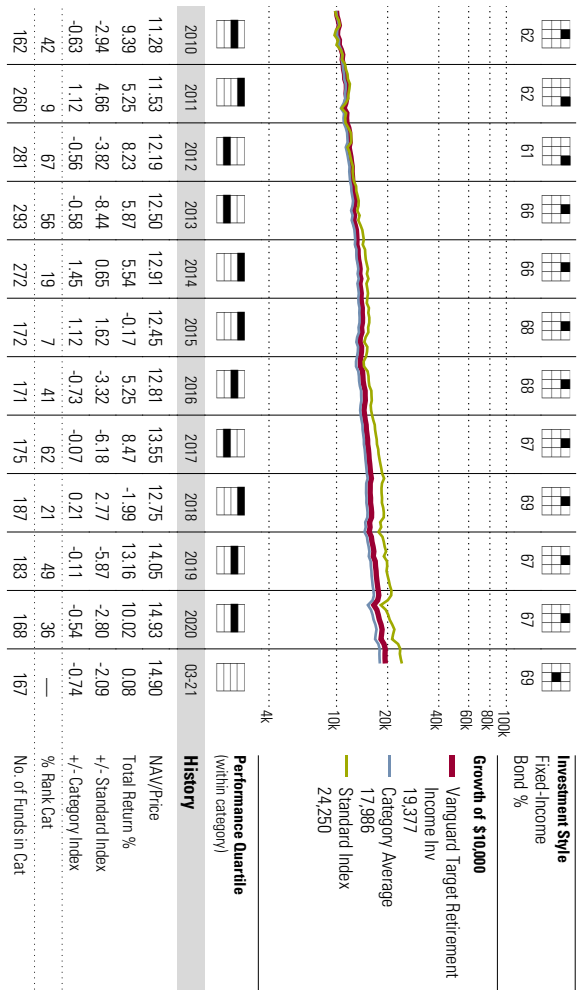
Standard Deviation	3 Yr	5 Yr	10 Yr
Mean	6.10	4.97	4.62
Sharpe Ratio	7.06	6.38	5.66
	0.92	1.03	1.08

Alpha	1.19
Beta	0.53
R-Squared	94.58
12-Month Yield	1.58%
Potential Cap Gains Exp	21.75%

**Operations**  
 Family: Vanguard  
 Manager: Multiple  
 Tenure: 8.2 Years  
 Objective: Asset Allocation

Base Currency: USD  
 Ticker: VTINX  
 ISIN: US92202E1029  
 Minimum Initial Purchase: \$1,000

Purchase Constraints: —  
 Incept: 10-27-2003  
 Type: MF  
 Total Assets: \$17,511.59 mil



Portfolio Analysis 03-31-2021					
Asset Allocation %			Net %	Long %	Short %
Cash	1.17	1.17	0.00	0.00	0.00
US Stocks	17.39	17.39	0.00	0.00	0.00
Non-US Stocks	12.28	12.28	0.00	0.00	0.00
Bonds	68.71	68.94	0.13	0.13	0.00
Other/Not Cstfd	0.45	0.45	0.45	0.45	0.00
Total	100.00	100.13	100.13	100.13	0.13

Equity Style					
Value	Small	Mid	Large	Port	Rel
Value	Small	Mid	Large	Index	Cat
P/E Ratio TTM	24.4	1.03	0.98	13.5	1.04
P/B Ratio TTM	2.7	1.09	0.97	2.7	1.09
Geo Avg Mkt Cap	59864	1.27	0.93	59864	1.27

Fixed-Income Style					
Ltd	Med	Ext	High	Low	High
Ltd	Med	Ext	High	Low	High
Avg Eff Maturity	7.42	6.09	6.09	1.98	1.98
Avg Eff Duration	111.47	111.47	111.47	1.98	1.98
Avg Wtd Coupon	—	—	—	—	—
Avg Wtd Price	—	—	—	—	—

Credit Quality Breakdown 02-28-2021					
	AAA	AA	A	BBB	BB
AAA	62.45	7.91	13.53	12.94	0.00
AA	7.91	13.53	12.94	0.00	0.00
A	13.53	12.94	0.00	0.00	0.00
BBB	12.94	0.00	0.00	0.00	0.00
BB	0.00	0.00	0.00	0.00	0.00
Below B	0.39	2.78	—	—	—
NR	2.78	—	—	—	—

Regional Exposure					
	Stocks %	Rel Std Index			
Americas	62.1	1.01			
Greater Europe	17.2	0.96			
Greater Asia	20.7	1.01			

Sector Weightings					
Sector	Weightings	Stocks %	Rel Std Index		
Cyclical	36.3	0.93			
Basic Materials	4.8	0.91			
Consumer Cyclical	12.1	1.13			
Financial Services	15.9	1.02			
Real Estate	3.5	0.48			
Sensitive	42.7	1.11			
Communication Services	9.3	1.31			
Energy	3.4	0.92			
Industrials	10.8	0.91			
Technology	19.2	1.22			
Defensive	21.0	0.93			
Consumer Defensive	6.6	0.87			
Healthcare	11.8	0.98			
Utilities	2.6	0.84			

Share Cng					
Share Cng	Share	Holdings	Net Assets		
Amount	9,961	Total Stocks	17,958		
17% Turnover Ratio	—	Total Fixed-Income	—		
589 mil	Vanguard Total Bond Market II ldx	37.32			
30 mil	Vanguard Total Stock Mkt ldx Inv	17.49			
114 mil	Vanguard Srt-Term Infl-Prot Sec I	16.98			
244 mil	Vanguard Total Intl Bd ldx Investor	16.01			
104 mil	Vanguard Total Intl Stock Index Inv	12.11			
2 mil	Vanguard Total Intl Bd II ldx Inve	0.09			

©2021 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and opinions contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial professional which cannot be verified by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell a security, and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages or other losses resulting from, or related to, this information, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of Morningstar, Inc. including, but not limited to, Morningstar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable it must be precatred or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.





# WTC-CIF II Mid Cap Opportunities (Series 3)

Market Review: three months ending 31 March 2021

## PORTFOLIO MANAGEMENT

Philip Ruedi, CFA  
Mark Whitaker, CFA



## OBJECTIVE

The objective of the Mid Cap Opportunities Portfolio (Series 3) is long-term total return in excess of the S&P MidCap 400 Index.

## BROAD MARKET REVIEW

US equities rallied for the fourth consecutive quarter, bolstered by an accelerating vaccine rollout, substantial fiscal and monetary policy tailwinds, and upbeat forecasts for economic growth and earnings. Expectations for a strong rebound in the US economy sparked inflationary fears, contributing to a pro-cyclical rotation, although US Federal Reserve (Fed) Chair Jerome Powell indicated that he does not believe inflation will increase substantially or at a sustained rate. The Fed anticipates that interest rates will remain close to zero through 2023. It also raised its median economic growth projection for 2021 to 6.5%, up from 4.2% in December, due to the accelerating vaccine rollout and fiscal stimulus. The Democrats secured slim majorities in both houses of Congress after winning control of the Senate, bolstering President Biden's prospects of advancing his legislative agenda. Biden signed into law a massive US\$1.9 trillion coronavirus relief bill and introduced an infrastructure package worth approximately US\$2.3 trillion, proposing to fund the initiative largely through higher corporate taxes. The plan faces substantial hurdles in Congress amid disagreements among lawmakers about the size and scope of the package and how to pay for it. Corporate earnings remained a bright spot in the US economy, with companies providing upward revisions to their forward earnings estimates along with optimistic commentary and sentiment.

The S&P MidCap 400 returned 13.5% over the quarter. Within the index, all of the sectors rose for the quarter. Energy and consumer discretionary were the top performing sectors, while health care and information technology were the bottom performing sectors for the period.

## INVESTMENT RETURNS (% , USD)

	1Q21	1 yr	3 yrs	Since inception
<b>Portfolio</b>	<b>5.2</b>	<b>74.1</b>	<b>16.3</b>	<b>17.5</b>
Custom benchmark	13.5	83.5	13.4	14.0
Active return (vs benchmark)	-8.3	-9.4	2.9	3.5

Custom benchmark: The custom benchmark consists of S&P MidCap 400 from index inception to present. | Inception date: 1 June 2016. | Sums may not total due to rounding. | Performance returns for periods one year or less are not annualized. | **PAST RESULTS ARE NOT NECESSARILY INDICATIVE OF FUTURE RESULTS AND AN INVESTMENT CAN LOSE VALUE.** | Portfolio returns are reported net of operating expenses and investment management fee.

# WTC-CIF II Mid Cap Opportunities (Series 3)

## Performance Review: three months ending 31 March 2021

### PERFORMANCE HIGHLIGHTS

- The portfolio underperformed the index over the period, however delivered overall positive returns.
- Security selection was a driver of relative underperformance. Weak selection in health care, industrials and consumer discretionary was modestly offset by selection in information technology. Sector allocation, a result of our bottom-up stock selection process, also detracted from returns. Allocation effect was driven by our overweight to information technology and health care and underweight to consumer discretionary, but modestly offset by our underweight to real estate.
- At the issuer level, our top two relative contributors were overweights to Teradata and Coherent, while our top two relative detractors were out of benchmark allocations to PTC Therapeutics and Iovance Biotherapeutics.
- Shares of Teradata soared during the period after fourth-quarter earnings and revenue came in ahead of consensus estimates and the company provided enthusiastic guidance for 2021, highlighted by an aim to double cloud annual recurring revenue (ARR). PTC Therapeutics shares fell during the period. Roche and Partner Ionis Pharmaceuticals announced the discontinuation of their Phase 3 study of tominersen for Huntington's Disease (HD). This news created concern for feasibility of PTC's trial of PTC518, an oral pill for the treatment of HD. PTC518 will likely now need to meet a higher bar of HTT gene mutation knockdown to demonstrate clinical efficacy.

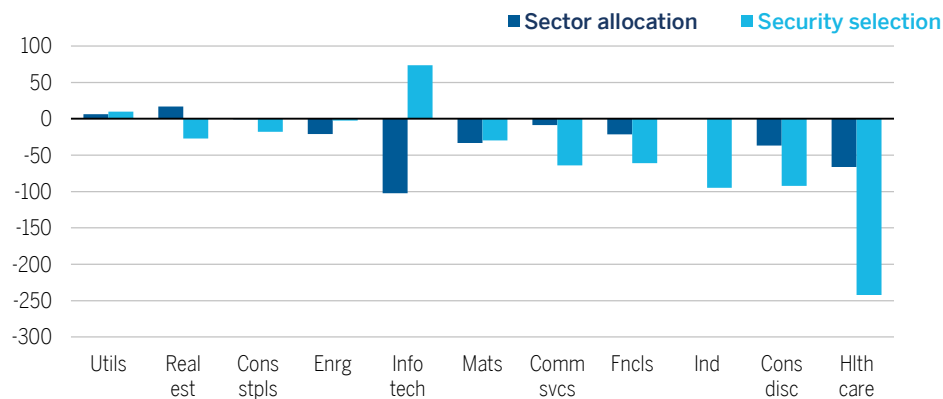
### TOP RELATIVE CONTRIBUTORS

Company	Sector	Relative impact (gross, bps)	End weight (%)
Teradata	Info technology	75	1.1
Coherent	Info technology	72	1.6
First Citizens	Financials	27	1.2
Ceridian HCM*	Info technology	23	0.0
AMERCO	Industrials	19	1.2

### TOP RELATIVE DETRACTORS

Company	Sector	Relative impact (gross, bps)	End weight (%)
PTC Therapeutics	Health care	-50	1.1
Iovance Biotherapeutics	Health care	-46	0.9
Guidewire Software	Info technology	-42	0.9
Q2 Holdings	Info technology	-41	0.9
II-VI	Info technology	-40	2.1

### SECTOR ATTRIBUTION (gross, bps, USD)



Benchmark used in the calculation of attribution data: S&P Midcap 400. | \*Represents securities not held in the portfolio during the period. | **PAST RESULTS ARE NOT NECESSARILY INDICATIVE OF FUTURE RESULTS AND AN INVESTMENT CAN LOSE VALUE.**

# WTC-CIF II Mid Cap Opportunities (Series 3)

## Positioning & Outlook: three months ending 31 March 2021

### POSITIONING & OUTLOOK

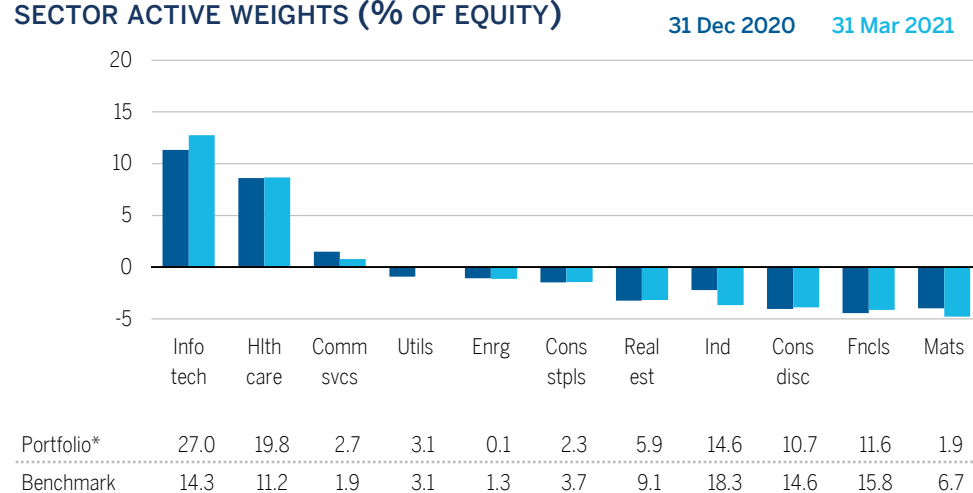
Mid cap stocks continued to experience strong returns during the first quarter of 2021 as COVID-19 vaccine rollouts pointed to an eventual economic recovery. While participation was broad, with all sectors in the S&P 400 experiencing positive returns, cyclical and interest rate sensitive stocks led the market. This leadership ultimately resulted in a wide dispersion between value and growth stocks, with value handily outperforming. Our focus on building a diversified portfolio of blue-chip, market-leading mid cap companies that grow faster than peers generated positive absolute returns, but trailed our S&P 400 benchmark given this resulting style headwind.

We continue to believe valuations remain stretched in many areas of the market and thus have trimmed portfolio names that appear most expensive in our F/V/E framework. These proceeds have been invested into market leading midcap companies with more cyclical business models at more attractive valuations, consistent with portfolio activity over the last year. One area we continue to add capital to is within the electrical equipment industry. These businesses are typically associated with product cycles stand to benefit from an economic recovery. Some themes we have focused on include lasers and optical sensors and their applications for smartphones and electric and self-driving vehicles.

Outside of electrical equipment, our focus on building a diversified portfolio of market leaders has led us to businesses within health care, insurance, and utilities. While many of our recent bio-tech additions were caught up in the growth underperformance during the quarter, we continue to have conviction in our names and their idiosyncratic catalysts. We believe the balance in the portfolio today will be beneficial as the market continues to normalize throughout the year.

At the end of the period, our largest overweights were information technology and health care. We were most underweight to materials, financials and consumer discretionary.

### SECTOR ACTIVE WEIGHTS (% OF EQUITY)



\*End weights as of 31 Mar 2021

# WTC-CIF II Mid Cap Opportunities (Series 3)

Transactions, Holdings & Characteristics: three months ending 31 March 2021

## LARGEST BUYS

Company	% of equities as of 31 Dec 2020	% of equities as of 31 Mar 2021
Jazz Pharmaceuticals	0.0	1.0
Pinnacle West	0.0	0.6
Allakos	0.4	0.8

## LARGEST SELLS

Company	% of equities as of 31 Dec 2020	% of equities as of 31 Mar 2021
Teradata	1.2	1.1
Coherent	1.5	1.6
Encompass Health	1.6	1.0

## TOP TEN HOLDINGS

Company	Sector	% of equities
Ingersoll Rand	Industrials	2.2
WEX	Info technology	2.2
F5 Networks	Info technology	2.2
II-VI	Info technology	2.1
Genpact	Info technology	2.1
MKS Instruments	Info technology	2.0
Etsy	Cons discretionary	1.9
Hill-Rom	Health care	1.7
NVR	Cons discretionary	1.7
Coherent	Info technology	1.6
<b>Total</b>		<b>19.5</b>

## PORTFOLIO CHARACTERISTICS

	Portfolio	Benchmark
Asset-weighted market cap (USD, bil)	9.5	7.4
Median market cap (USD, bil)	7.9	5.4
Projected EPS growth (5-yr, %)	15.0	15.9
Projected P/E (x)	22.7	17.6
Average ROE (5-yr, %)	12.9	15.8
Price/book (x)	3.4	2.7
Yield (%)	0.7	1.3
Asset turnover (1-yr, %)	52	
Historical beta (3-yr, USD)	0.95	
Historical R <sup>2</sup> (3-yr, USD)	0.94	
Historical tracking risk (3-yr, USD, %)	5.52	

Benchmark: S&P Midcap 400 | The largest buys and sells shown are based on the net market value of the transactions over the period (e.g. Buys = \$3,000 and Sells = \$2,000, Net = \$1,000). | The largest buys and sells includes transactions resulting from a cash flow into or out of the portfolio during the period. | Historical returns based risk characteristics are calculated versus the benchmark(s) used for performance comparison purposes, which may be different than the benchmark(s) displayed on this page. Please see the investment returns page for additional information. | Sums may not total due to rounding. | If access products are held by the portfolio they have been excluded from the calculation of the transaction data. If access products are held by the portfolio they may not be included in the calculation of characteristic data. Access products are instruments used to gain access to equity markets not otherwise available and may include (but are not limited to) instruments such as warrants, total return swaps, p-notes, or zero strike options.





# **CITY of SANTA CLARA**

## RETIREMENT PLAN

### 457 DEFERRED COMPENSATION PLAN

---

First Quarter Performance Report 2021

**INFLATION MIRAGE??**

Broadening vaccination availability, easing business restrictions, and a \$1.9 trillion federal stimulus package set the stage for reports of robust economic activity coming out of the first quarter of 2021. The US added 916,000 jobs in March, well ahead of the projected increase of 675,000. Job growth was widespread in March, led by gains in leisure & hospitality, education, and construction. The increase in jobs brought the unemployment rate down from 6.2% to 6.0%. Other broad economic indicators are approaching or setting new highs. The widely followed ISM manufacturing index jumped to 64.7%, a 38-year high. Consumer confidence surged in March to a new post-pandemic high of 109.7 compared to 90.4 just a month earlier, and is closing in on the 20-year highs set in February of 2020 shortly before the onset of the coronavirus pandemic in the US. The PPI (Producer Price Index) data is forecasted to climb 0.5% in March which would push this popular gauge of wholesale inflation to 3.8% on a trailing 12-month basis – a 10-year high.

These rapidly improving economic indicators and unprecedented fiscal and monetary stimulus have investors looking to the horizon for early signs of growth's loathed economic shadow: inflation. The Federal Reserve has repeatedly stated it expects consumer price increases (higher inflation) over the summer as pent-up demand shakes loose but that these price jumps will be temporary, a mirage of sorts, that will not pose a threat to the central bank's ultra-low interest rate policy any time soon. The broad bond market is not convinced. While the Fed has anchored short-term rates, yields further out on the curve rose significantly during the quarter. Intermediate-term yields (10-Year US Treasury) rose from 0.93% to 1.74% during the period, resulting in a price decline of 7.02%. Long-term yields (30-Year US Treasury) rose from 1.65% to 2.41% during the quarter, resulting in a price decline of 15.84%. Based on these interest rate moves, the bond market is projecting higher inflation on the horizon.

So which is it? The Fed seems to be referring to the same playbook that was used coming out of the Great Recession of 2008-09. According to this playbook, well-documented sources of secular disinflation such as demographics, globalization, and technology will continue to offset inflationary pressures from unprecedented growth in stimulus and money supply. Investors are focusing on their own playbook in which the laws of printing money and large increases in the money supply have a long history of creating higher inflation and/or devaluing currency. The US dollar has been around for over 200 years, but nearly a quarter of all US dollars in circulation were printed in 2020. It should follow as no surprise then that the US money supply for February of this year rose 39% year-over-year, an unprecedented pace in modern history.

There is strong consensus building in the financial markets that the US economy will produce unprecedented upside numbers as the economy reopens in unison with the circulation of massive recent economic stimulus. Year-over-year comparisons are likely to reflect extreme short-term data points making it difficult to discern short-term noise from longer-term structural trends. This inability to distinguish between short-term and longer-term economic data will make it very difficult to get a good read on inflation for some time. In the absence of clarity, the speed of the labor market recovery would appear to be front and center. Faster than expected recovery in pandemic job losses coupled with sudden wage growth reflects monetary policy that is too loose and likely to result in higher inflation. The pace of job recovery transitioned from baseline to exceedingly quick during the fourth quarter. If this pace continues, the Fed may be forced to skip ahead a few chapters in their playbook to tighten policy sooner than expected to reign in inflation. This despite their hardline rhetoric of "keeping rates lower for longer."

## GLOBAL ECONOMIC LANDSCAPE

- 2020 was an exceptionally difficult year for global growth given the broad geographic impact of the COVID-19 virus. Global growth declined by roughly 4.5%. The Eurozone proved to be one of the hardest hit, declining nearly 7.5%, while the US declined by 3.5%. China was the notable outlier, with positive GDP growth of 2.3% but significantly lagging pre-COVID levels. However, the broad distribution of vaccines coupled with largely unprecedented global stimulus has brought about rapidly accelerating growth in the first quarter.
- The IMF is expecting a short-term growth divergence between the US and the rest of the world as the US economy is currently recovering faster than initially expected. The faster pace of recovery is due to a much larger fiscal expansion (stimulus spending) relative to its output gap in addition to its leading pace of vaccination. While the US is currently undergoing a faster pace of growth, this appears to be already reflected in market prices. The IMF expects global growth rates to slow sharply from 6.0% in 2021 to 3.3% by 2026. This slowdown is largely the result of a normalization from the recent bounce off a low base.
- A survey from the Federal Reserve of New York suggested that 42% of US households saved their recent stimulus checks compared to 36% in June 2020. The higher savings rate reflects the number of families using the checks to pay debt has declined to 34% from 36%, while the number of families spending checks for consumption has declined to 25% from 29%. The increase in savings and decline in consumption is likely to weaken the initial impact of stimulus policy.

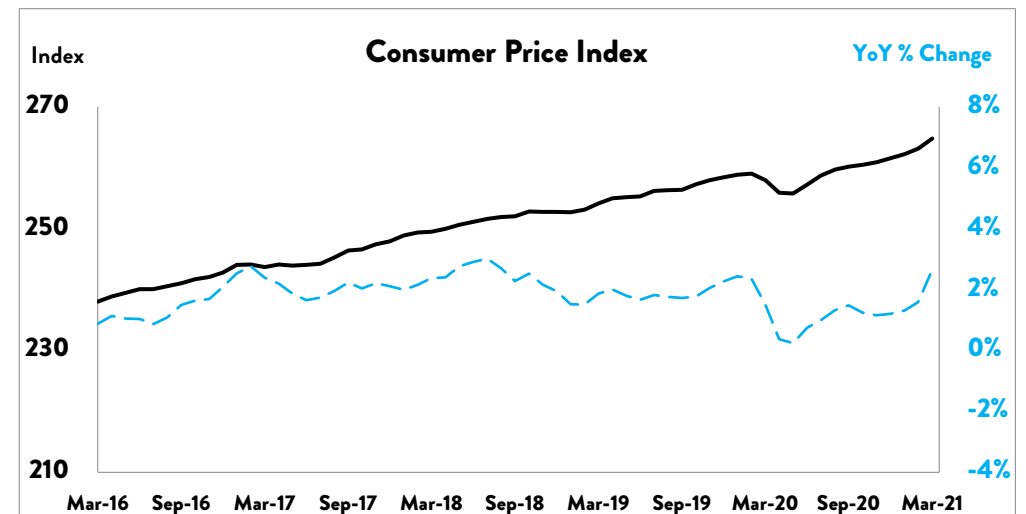
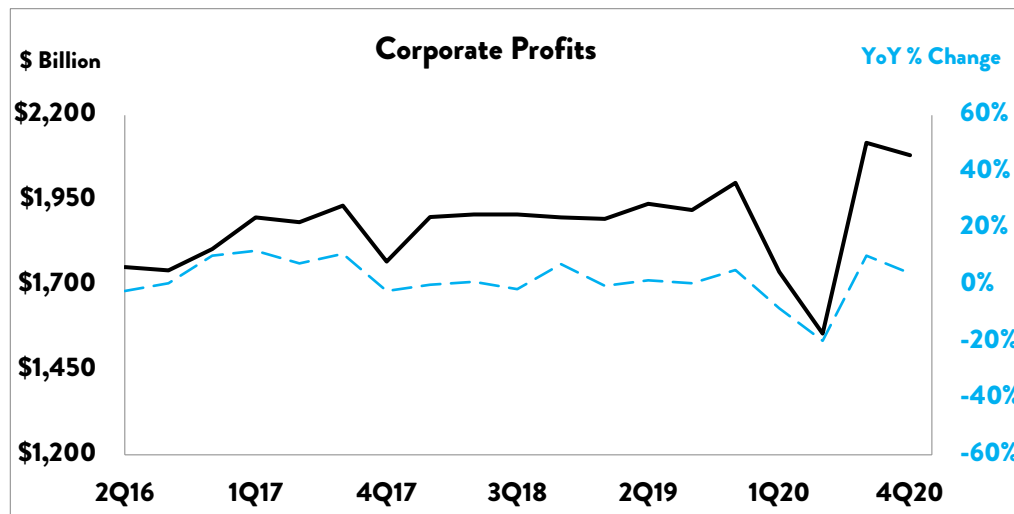
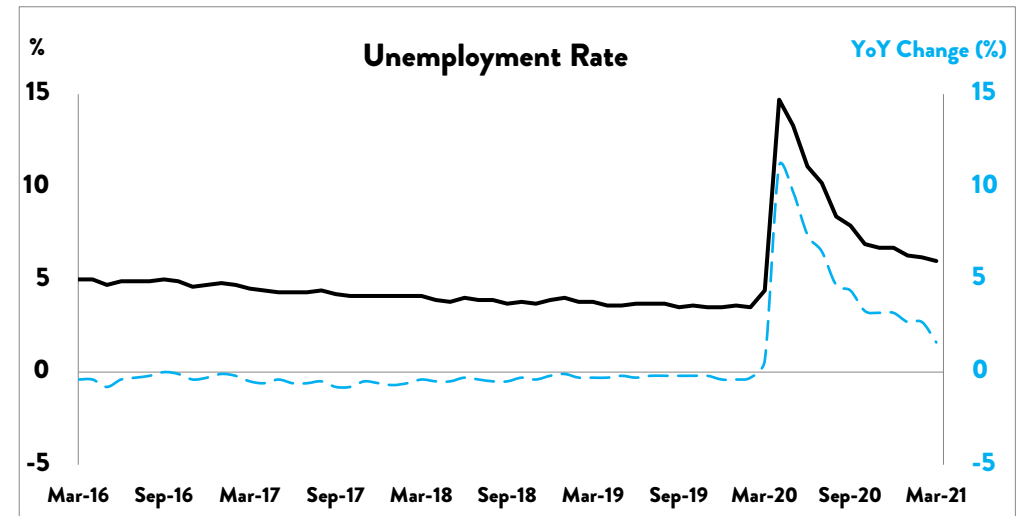
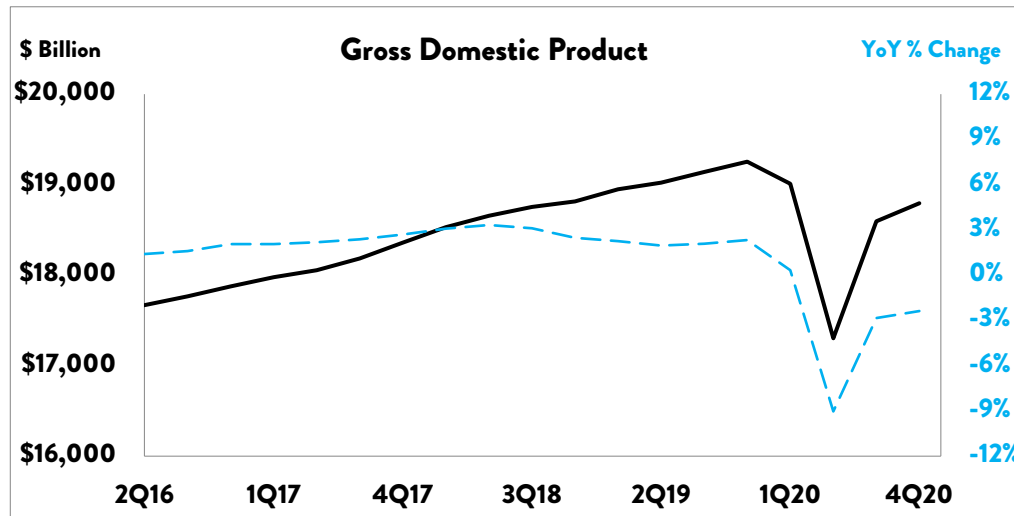
## GLOBAL FINANCIAL MARKETS

- A sharp increase in domestic economic growth rates coupled with the passage of a \$1.9 trillion coronavirus stimulus package sparked concerns over higher inflation. This prompted a sharp selloff across investment grade credit markets during the quarter. The current five-year embedded breakeven inflation rate for Treasury Inflation-Protected Securities (TIPS) is at 2.6%, the highest rate since 2008.
- Last quarter we highlighted a regime change in which value stocks, and more specifically cyclical value stocks, outperformed growth stocks reversing an extended period of underperformance. That momentum not only persisted, but accelerated during the first quarter. Since the beginning of this regime change in 4Q20, shares of domestic Energy stocks have climbed nearly 80% with Airlines and Banks up 65% and 60%, respectively. This regime change led to strong outperformance by “deep value” active managers over this period.
- The outperformance by cyclical sectors is largely a global phenomenon as global economies continue to open up post COVID-19 shutdowns. As a result, those countries with more exposure to cyclical stocks are expected to outperform should economic growth continue to accelerate. Cyclical sectors in the US represent a sizable 34% of the equity market, however, this compares to over 50% for the ACWI ex-US (international markets). In contrast, the Technology sector (less cyclical) represents 27% of the US market and only 13% of the international market. An extended cyclical rotation would seem to support strong relative international stock returns.
- The top ten stocks in the S&P 500 Index represent 27.4% of total market capitalization and 26.7% of total earnings, both of which are near all-time highs. These same top ten stocks trade at a P/E ratio of 30.1, which compares to 19.6 for the remaining stocks and a historical average of 16.2 for the index. While the top ten stocks have historically traded at a premium, they are currently trading at 154% of the historical average P/E for the top-ten stocks.

This report is being provided for informational purposes only. The information and opinions presented in this report do not constitute investment advice and have been obtained from sources believed by Hyas Group to be reliable. Hyas Group makes no representation as to their accuracy or completeness. All opinions expressed herein are subject to change.

©Hyas Group, 2021

# 1Q2021 Economic Data



Key: — Economic Series    - - - Year-Over-Year Change

Labor Market Statistics (Monthly)					
Category	Recent	5-Yr High	5-Yr Low	5-Yr Avg.	Date
Jobs Added/Lost Monthly	916,000	4,846,000	-20,679,000	7,767	Mar-21
Unemployment Rate	6.0%	14.7%	3.5%	5.0%	Mar-21
Median Unemployment Length (Weeks)	21.6	21.6	4.0	10.7	Mar-21
Average Hourly Earnings	\$29.96	\$30.07	\$25.53	\$27.51	Mar-21

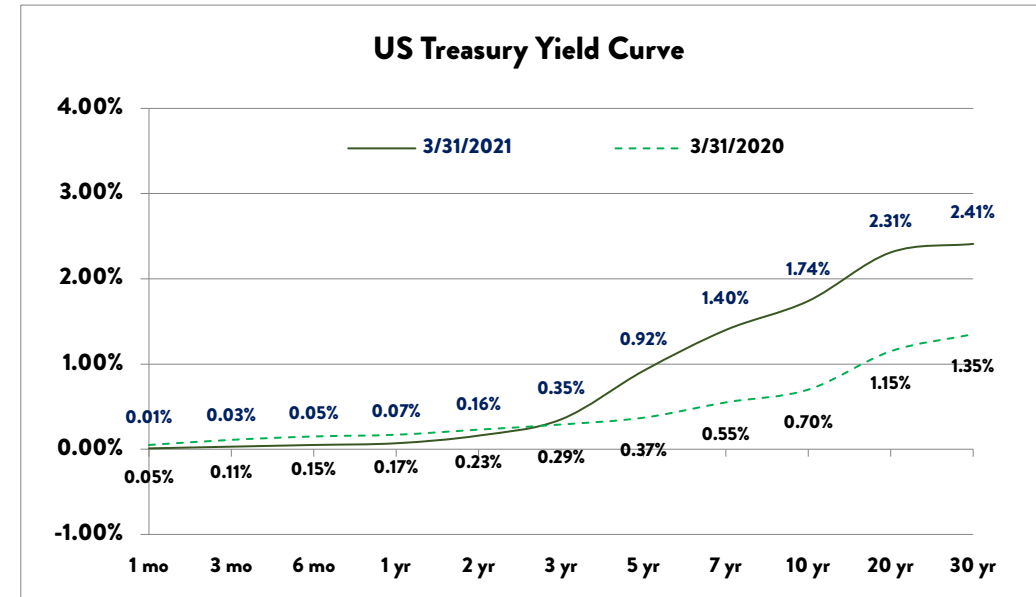
Source: Federal Reserve Bank of St. Louis and Bureau of Labor Statistics

Other Prices and Indexes (Monthly)					
Category	Recent	5-Yr High	5-Yr Low	% Off Peak	Date
Gas: Price per Gallon	\$2.79	\$2.88	\$1.80	-3.1%	Mar-21
Spot Oil	\$62.33	\$70.98	\$16.55	-12.2%	Mar-21
Case-Shiller Home Price Index	245.1	245.1	185.4	32.2%*	Jan-21
Medical Care CPI	523.7	523.8	459.3	14%*	Mar-21

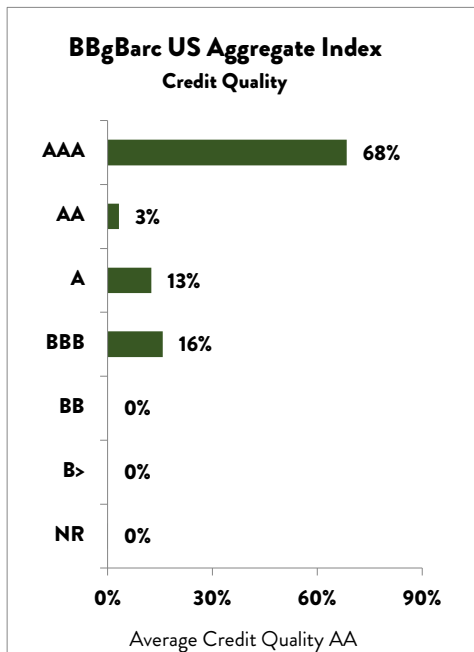
\*% Off Low

# 1Q2021 Bond Market Data

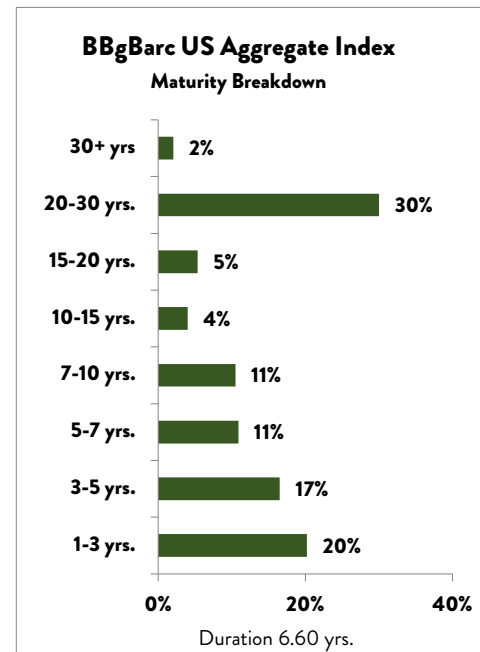
Index	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
90-Day T-Bill	0.01%	0.01%	0.10%	1.36%	1.13%	0.60%
BBgBarc US Aggregate	-3.37%	-3.37%	0.71%	4.65%	3.10%	3.44%
BBgBarc Short US Treasury	0.04%	0.04%	0.15%	1.66%	1.29%	0.73%
BBgBarc Int. US Treasury	-1.76%	-1.76%	-1.27%	3.76%	2.06%	2.33%
BBgBarc Long US Treasury	-13.51%	-13.51%	-15.80%	5.87%	3.13%	6.35%
BBgBarc US TIPS	-1.47%	-1.47%	7.54%	5.68%	3.86%	3.44%
BBgBarc US Credit	-4.45%	-4.45%	7.88%	5.95%	4.67%	4.83%
BBgBarc US Mortgage-Backed	-1.10%	-1.10%	-0.09%	3.75%	2.43%	2.83%
BBgBarc US Asset-Backed	-0.16%	-0.16%	4.57%	3.68%	2.56%	2.51%
BBgBarc US 20-Yr Municipal	-0.30%	-0.30%	6.40%	5.90%	4.38%	5.82%
BBgBarc US High Yield	0.85%	0.85%	23.72%	6.84%	8.06%	6.48%
BBgBarc Global	-4.46%	-4.46%	4.67%	2.80%	2.66%	2.23%
BBgBarc International	-5.29%	-5.29%	7.15%	1.15%	2.13%	1.26%
BBgBarc Emerging Market	-3.48%	-3.48%	13.58%	4.81%	5.22%	5.47%



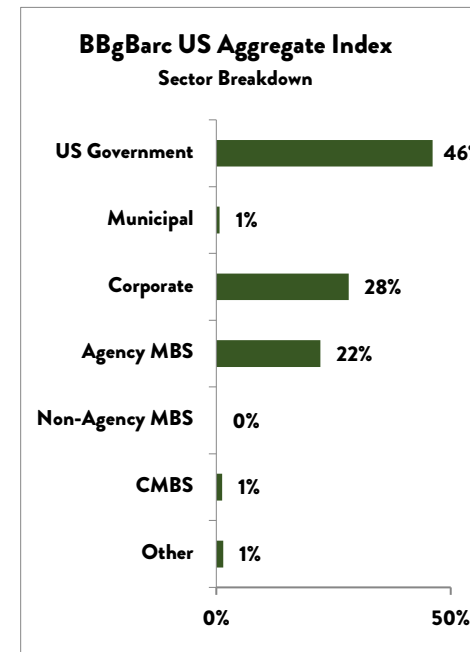
Source: Department of US Treasury



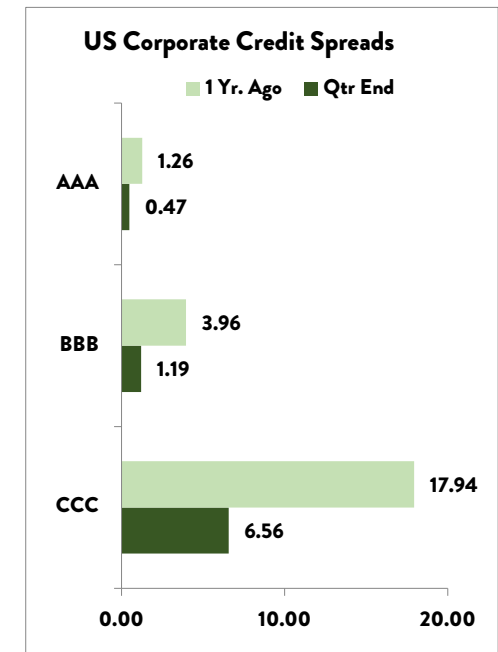
Source: Morningstar



Source: Morningstar



Source: Morningstar



Source: Federal Reserve / Bank of America

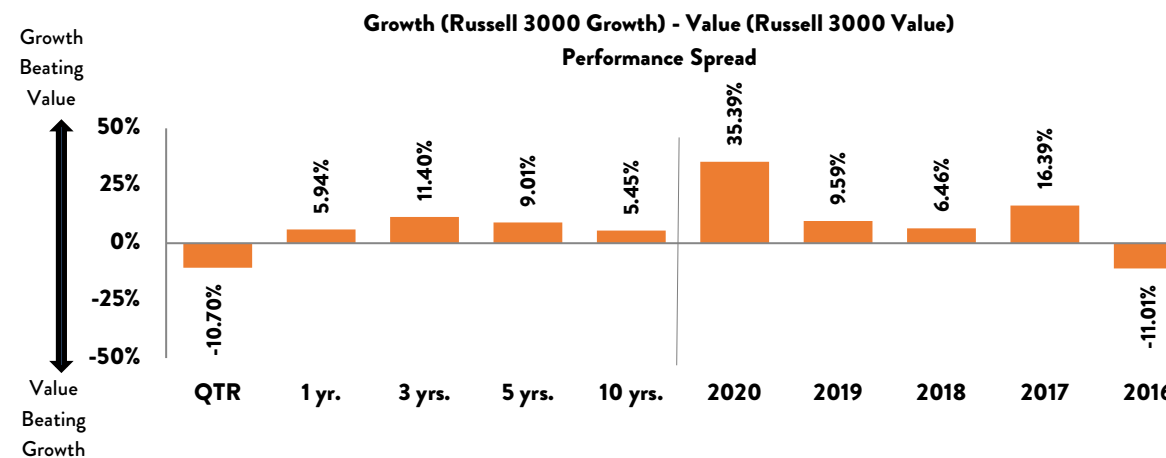
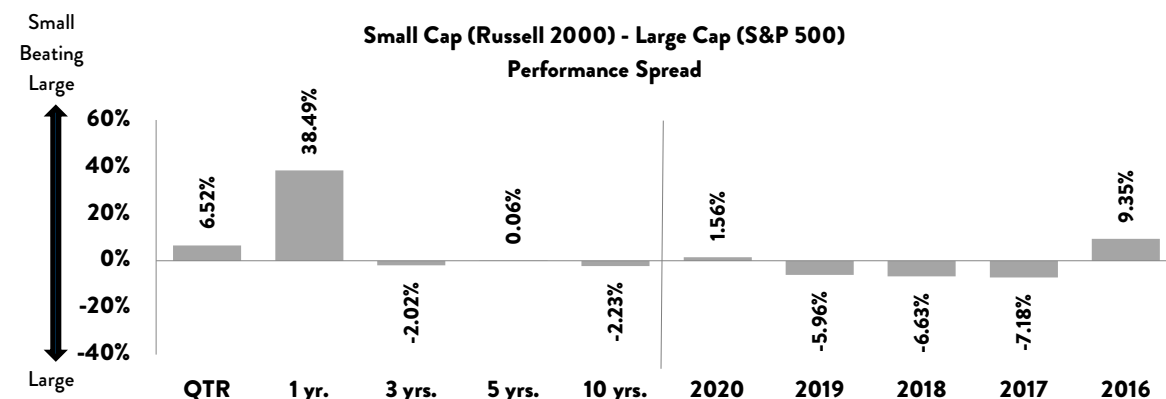
# 1Q2021 US Equity Market Data

## Sectors Weights/Returns (ranked by quarter performance)

	Wgt.	Sector	QTR	YTD	1 yr.
S&P 500 Index	3%	Energy	30.85%	30.85%	75.16%
	11%	Financials	15.99%	15.99%	67.50%
	9%	Industrials	11.41%	11.41%	69.61%
	3%	Materials	9.08%	9.08%	78.29%
	2%	Real Estate	9.02%	9.02%	32.03%
	11%	Communication Services	8.08%	8.08%	60.88%
	13%	Health Care	3.18%	3.18%	34.04%
	12%	Consumer Discretionary	3.11%	3.11%	70.29%
	3%	Utilities	2.80%	2.80%	19.42%
	27%	Information Technology	1.97%	1.97%	66.61%
6%	Consumer Staples	1.15%	1.15%	28.38%	
S&P Midcap 400 Index	1%	Energy	34.73%	34.73%	174.75%
	15%	Consumer Discretionary	21.35%	21.35%	156.70%
	6%	Materials	21.05%	21.05%	96.19%
	16%	Financials	18.69%	18.69%	74.55%
	4%	Consumer Staples	15.40%	15.40%	72.33%
	18%	Industrials	13.63%	13.63%	87.57%
	3%	Utilities	9.80%	9.80%	19.18%
	9%	Real Estate	8.15%	8.15%	42.47%
	2%	Communication Services	6.63%	6.63%	55.36%
	14%	Information Technology	6.37%	6.37%	93.61%
	11%	Health Care	4.58%	4.58%	59.06%
	S&P Smallcap 600 Index	4%	Energy	43.26%	43.26%
16%		Consumer Discretionary	37.88%	37.88%	214.32%
17%		Financials	18.89%	18.89%	67.18%
2%		Communication Services	17.49%	17.49%	53.11%
18%		Industrials	17.40%	17.40%	95.35%
4%		Consumer Staples	15.68%	15.68%	62.89%
13%		Information Technology	11.50%	11.50%	92.68%
7%		Real Estate	10.18%	10.18%	50.22%
5%		Materials	9.99%	9.99%	108.96%
11%		Health Care	8.43%	8.43%	78.03%
1%		Utilities	7.87%	7.87%	6.47%

## Index Performance Data

Index	QTR	YTD	1 yr.	Annualized		
				3 yrs.	5 yrs.	10 yrs.
S&P 500	6.17%	6.17%	56.35%	16.78%	16.29%	13.91%
Russell 1000 Value	11.26%	11.26%	56.09%	10.96%	11.74%	10.99%
Russell 1000 Growth	0.94%	0.94%	62.74%	22.80%	21.05%	16.63%
Russell Mid Cap	8.14%	8.14%	73.64%	14.73%	14.67%	12.47%
Russell Mid Cap Value	13.05%	13.05%	73.76%	10.70%	11.60%	11.05%
Russell Mid Cap Growth	-0.57%	-0.57%	68.61%	19.41%	18.39%	14.11%
Russell 2000	12.70%	12.70%	94.85%	14.76%	16.35%	11.68%
Russell 2000 Value	21.17%	21.17%	97.05%	11.57%	13.56%	10.06%
Russell 2000 Growth	4.88%	4.88%	90.20%	17.16%	18.61%	13.02%
Russell 3000	6.35%	6.35%	62.53%	17.12%	16.64%	13.79%
DJ US Select REIT	10.00%	10.00%	36.66%	7.55%	3.94%	7.89%



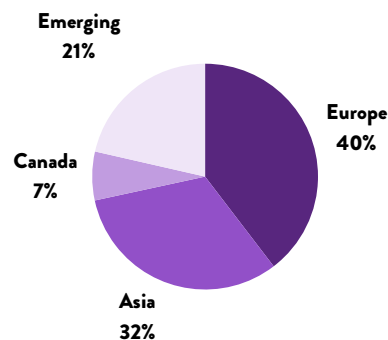
# 1Q2021 International Market Data

## Index Performance Data (net)

Index (US\$)	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
<b>MSCI ACWI ex-US</b>	<b>3.49%</b>	<b>3.49%</b>	<b>49.41%</b>	<b>6.51%</b>	<b>9.76%</b>	<b>4.93%</b>
<b>MSCI EAFE</b>	<b>3.48%</b>	<b>3.48%</b>	<b>44.57%</b>	<b>6.02%</b>	<b>8.85%</b>	<b>5.52%</b>
<b>Europe</b>	<b>4.08%</b>	<b>4.08%</b>	<b>44.95%</b>	<b>5.65%</b>	<b>8.18%</b>	<b>5.08%</b>
United Kingdom	6.19%	6.19%	33.54%	0.92%	4.33%	3.26%
Germany	4.23%	4.23%	59.28%	4.26%	8.02%	5.15%
France	4.42%	4.42%	50.01%	5.91%	9.96%	5.25%
<b>Pacific</b>	<b>2.53%</b>	<b>2.53%</b>	<b>43.99%</b>	<b>6.63%</b>	<b>10.20%</b>	<b>6.44%</b>
Japan	1.57%	1.57%	39.73%	6.32%	10.47%	7.20%
Hong Kong	7.26%	7.26%	37.29%	5.38%	10.08%	7.28%
Australia	3.41%	3.41%	68.44%	9.03%	9.75%	4.36%
<b>Canada</b>	<b>9.59%</b>	<b>9.59%</b>	<b>59.27%</b>	<b>9.56%</b>	<b>9.62%</b>	<b>2.39%</b>
<b>MSCI EM</b>	<b>2.29%</b>	<b>2.29%</b>	<b>58.39%</b>	<b>6.48%</b>	<b>12.07%</b>	<b>3.65%</b>
<b>MSCI EM Latin America</b>	<b>-5.32%</b>	<b>-5.32%</b>	<b>50.07%</b>	<b>-6.05%</b>	<b>4.04%</b>	<b>-4.05%</b>
<b>MSCI EM Asia</b>	<b>2.16%</b>	<b>2.16%</b>	<b>60.13%</b>	<b>9.45%</b>	<b>14.48%</b>	<b>6.63%</b>
<b>MSCI EM Eur/Mid East</b>	<b>6.54%</b>	<b>6.54%</b>	<b>42.69%</b>	<b>1.98%</b>	<b>6.31%</b>	<b>-2.85%</b>
<b>MSCI ACWI Value ex-US</b>	<b>7.06%</b>	<b>7.06%</b>	<b>48.68%</b>	<b>2.40%</b>	<b>7.25%</b>	<b>3.02%</b>
<b>MSCI ACWI Growth ex-US</b>	<b>-0.08%</b>	<b>-0.08%</b>	<b>49.36%</b>	<b>10.31%</b>	<b>12.03%</b>	<b>6.69%</b>
<b>MSCI ACWI Sm Cap ex-US</b>	<b>5.53%</b>	<b>5.53%</b>	<b>69.82%</b>	<b>6.61%</b>	<b>10.40%</b>	<b>6.32%</b>

## Regional Exposure

MSCI ACWI ex-USA

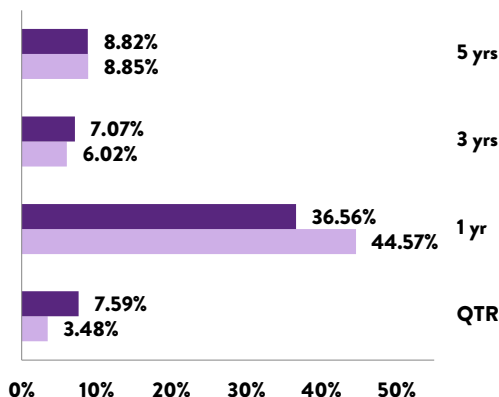


## Top 10 Countries (MSCI AC World ex-USA)

Japan	16%
China	11%
UK	9%
France	7%
Canada	7%
Germany	6%
Switzerland	6%
Australia	4%
Taiwan	4%
South Korea	4%

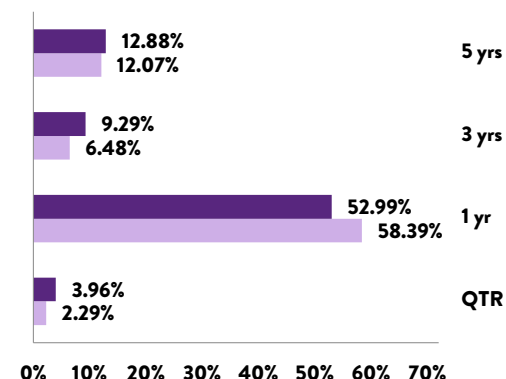
## MSCI EAFE Index Return

Local (Dark Purple) vs US\$ (Light Purple)



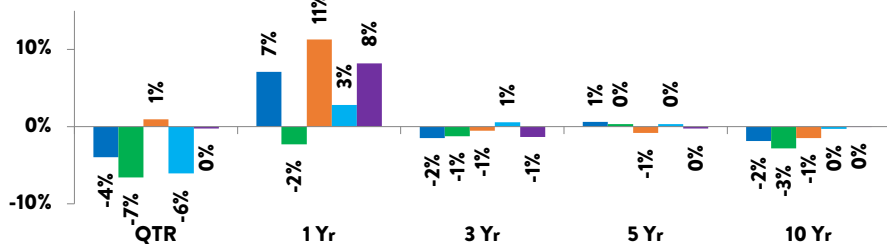
## MSCI Emerging Index Return

Local (Dark Purple) vs US\$ (Light Purple)



## Foreign Currency v. US\$ Returns

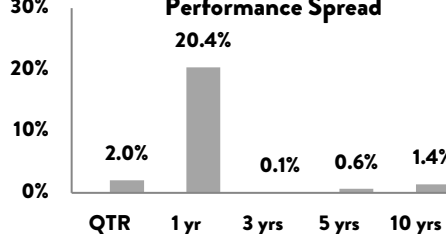
Euro (Blue), Japanese Yen (Green), Pound Sterling (Orange), Swiss Franc (Light Blue), Chinese Yuan (Purple)



Exchange Rates	QTR	4Q20	3Q20	2Q20	1Q20	4Q19
<b>Japanese Yen</b>	110.67	103.19	105.58	107.77	107.53	108.67
<b>Euro</b>	0.85	0.82	0.85	0.89	0.91	0.89
<b>British Pound</b>	0.72	0.73	0.77	0.81	0.80	0.75
<b>Swiss Franc</b>	0.94	0.88	0.92	0.95	0.96	0.97
<b>Chinese Yuan</b>	6.55	6.53	6.79	7.07	7.08	6.96

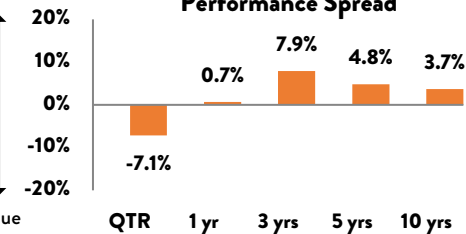
## MSCI ACWI Ex US Large v. Small Cap Performance Spread

Small Beating Large (Upward Arrow) vs Large Beating Small (Downward Arrow)



## MSCI ACWI Ex US Value v. Growth Performance Spread

Growth Beating Value (Upward Arrow) vs Value Beating Growth (Downward Arrow)





# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PLAN ASSET ALLOCATION

First Quarter 2021

Fixed Income	Ticker	Assets	%
Nationwide Fixed Fund	-	\$61,527,117	27.9%
Fidelity US Bond Index	FXNAX	\$2,281,579	1.0%
Sterling Capital Total Return Bond R6	STRDX	\$4,107,904	1.9%
Hotchkis & Wiley High Yield Z	HWHZX	\$1,290,755	0.6%
<b>Total</b>		<b>\$69,207,355</b>	<b>31.3%</b>

Large Cap	Ticker	Assets	%
DFA US Large Cap Value I	DFLVX	\$7,718,231	3.5%
Fidelity 500 Index	FXAIX	\$32,341,284	14.6%
T. Rowe Price Large Cap Growth I	TRLGX	\$21,248,375	9.6%
<b>Total</b>		<b>\$61,307,889</b>	<b>27.8%</b>

Mid Cap	Ticker	Assets	%
MFS Mid Cap Value R6	MVCKX	\$1,589,398	0.7%
Fidelity Mid Cap Index	FSMDX	\$2,498,506	1.1%
WTC-CIF II Mid Cap Opportunities (Series 3)	-	\$10,811,029	4.9%
<b>Total</b>		<b>\$14,898,933</b>	<b>6.7%</b>

Small Cap	Ticker	Assets	%
DFA US Targeted Value I	DFVFX	\$2,930,891	1.3%
Fidelity Small Cap Index	FSSNX	\$1,678,781	0.8%
Vanguard Small Growth Index Adm	VSGAX	\$5,255,702	2.4%
<b>Total</b>		<b>\$9,865,374</b>	<b>4.5%</b>

International	Ticker	Assets	%
MFS International Intrinsic Value Equity R6	MINJX	\$4,603,264	2.1%
Fidelity Total International Index	FTIHX	\$4,316,003	2.0%
Vanguard International Growth Adm	VWILX	\$9,140,829	4.1%
<b>Total</b>		<b>\$18,060,096</b>	<b>8.2%</b>

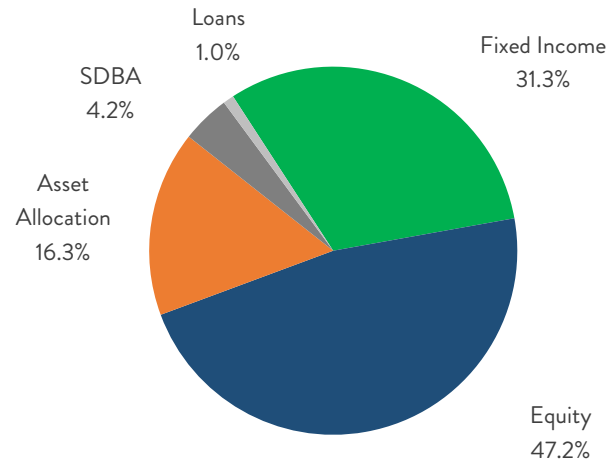
Asset Allocation	Ticker	Assets	%
Vanguard Target Retirement Income Inv	VTINX	\$1,099,455	0.5%
Vanguard Target Retirement 2020 Inv	VTWNX	\$1,031,211	0.5%
Vanguard Target Retirement 2025 Inv	VTTVX	\$15,029,361	6.8%
Vanguard Target Retirement 2030 Inv	VTHRX	\$803,085	0.4%
Vanguard Target Retirement 2035 Inv	VTTX	\$7,677,850	3.5%
Vanguard Target Retirement 2040 Inv	VFORX	\$582,730	0.3%
Vanguard Target Retirement 2045 Inv	VTIVX	\$7,430,763	3.4%
Vanguard Target Retirement 2050 Inv	VFIFX	\$607,793	0.3%
Vanguard Target Retirement 2055 Inv	VFFVX	\$1,464,554	0.7%
Vanguard Target Retirement 2060 Inv	VTTX	\$254,426	0.1%
<b>Total</b>		<b>\$35,981,226</b>	<b>16.3%</b>

Miscellaneous	Ticker	Assets	%
Self Directed Option	-	\$9,374,159	4.2%
Loans	-	\$2,101,163	1.0%
<b>Total</b>		<b>\$11,475,323</b>	<b>5.2%</b>

**TOTAL PLAN ASSETS**

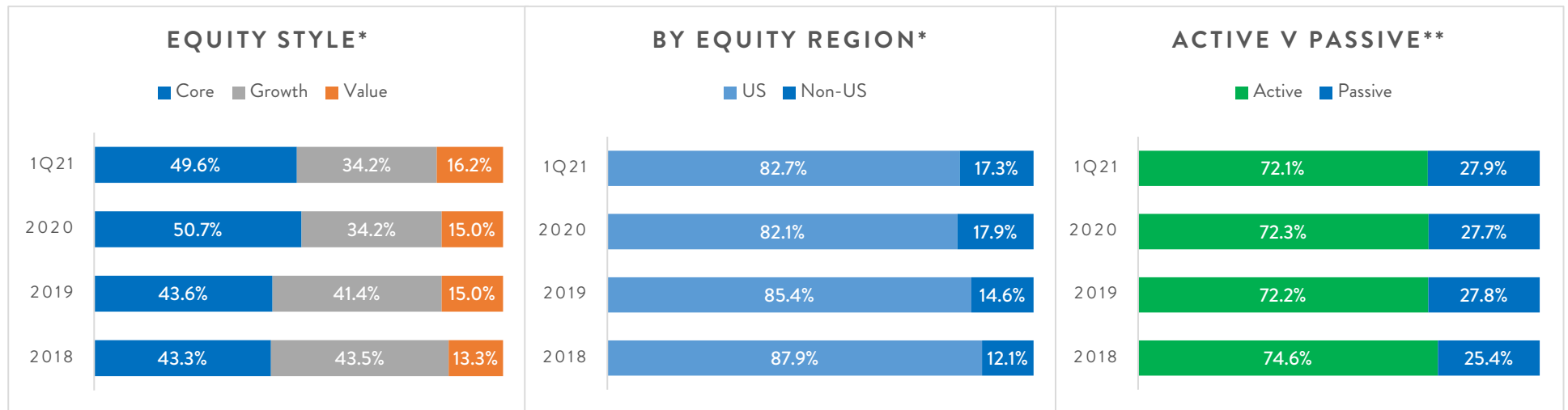
**\$220,796,197**





**HISTORICAL PLAN ALLOCATION**

Asset Class	1Q21	2020	2019	2018	2017	2016	2015	2014
<b>Fixed Income</b>	31.3%	33.4%	35.5%	38.7%	N/A	N/A	N/A	N/A
<b>Large Cap</b>	27.8%	27.0%	26.3%	26.1%	N/A	N/A	N/A	N/A
<b>Mid Cap</b>	6.7%	6.4%	7.7%	6.7%	N/A	N/A	N/A	N/A
<b>Small Cap</b>	4.5%	3.9%	3.9%	4.1%	N/A	N/A	N/A	N/A
<b>International</b>	8.2%	8.1%	6.5%	5.1%	N/A	N/A	N/A	N/A
<b>Asset Allocation</b>	16.3%	16.3%	16.6%	16.3%	N/A	N/A	N/A	N/A
<b>SDBA</b>	4.2%	3.9%	2.8%	2.6%	N/A	N/A	N/A	N/A
<b>Loans</b>	1.0%	1.0%	0.7%	0.5%	N/A	N/A	N/A	N/A



\*Excludes Fixed Income, Asset Allocation, Brokerage, and Loan assets

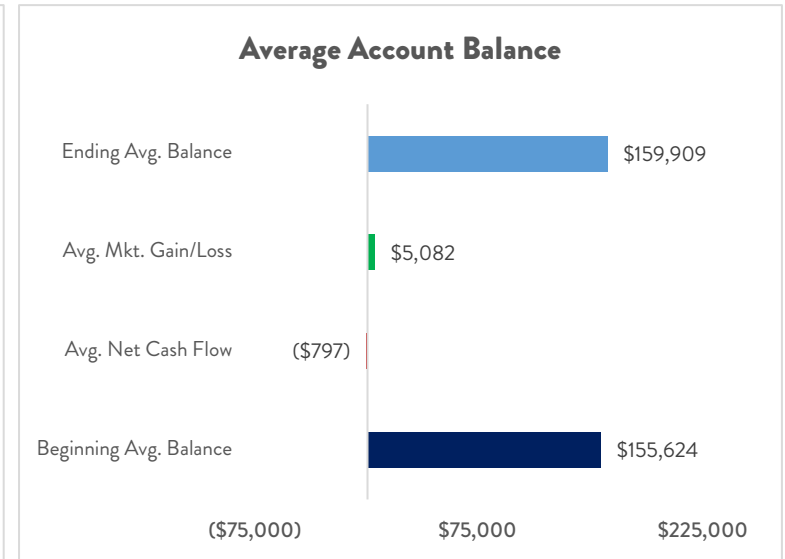
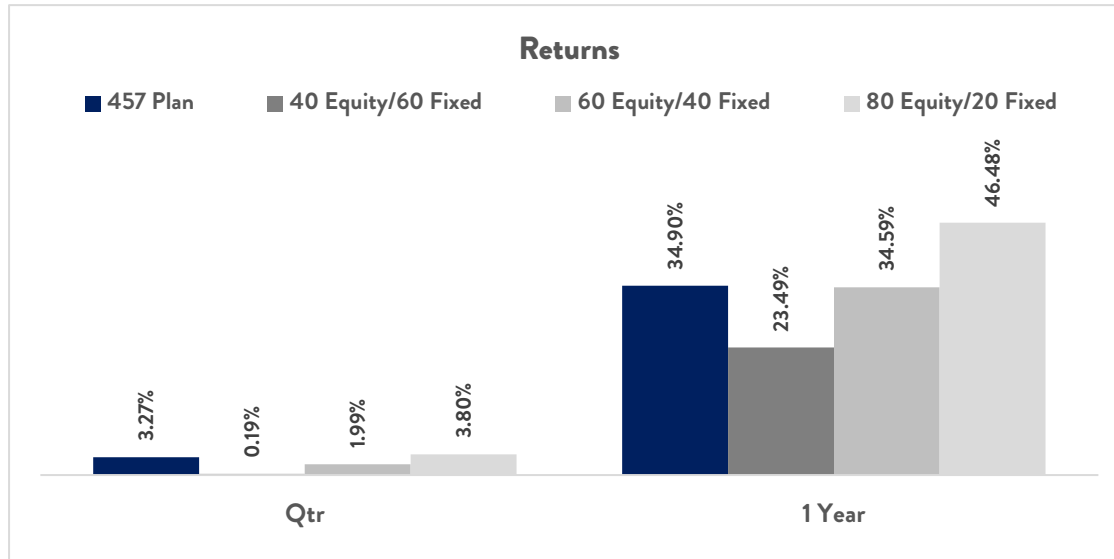
\*\*Excludes Asset Allocation, Brokerage, and Loan assets

**PLAN LEVEL CASH FLOWS**

	Beginning Value	Cash Flow (+)	Cash Flow (-)	Transfer	Market Gain/Loss	Ending Value
<b>Fixed Income</b>	\$71,557,663	\$1,659,640	(\$2,909,578)	(\$1,417,194)	\$316,823	\$69,207,355
<b>Large Cap</b>	\$57,744,853	\$856,458	(\$818,657)	(\$93,162)	\$3,618,397	\$61,307,889
<b>Mid Cap</b>	\$13,797,623	\$222,958	(\$119,911)	\$101,963	\$896,300	\$14,898,933
<b>Small Cap</b>	\$8,317,744	\$183,680	(\$162,010)	\$653,541	\$872,419	\$9,865,374
<b>International</b>	\$17,376,817	\$305,088	(\$345,999)	\$736,331	(\$12,141)	\$18,060,096
<b>Asset Allocation</b>	\$34,917,002	\$945,775	(\$860,214)	\$18,521	\$960,143	\$35,981,226
<b>Total</b>	\$203,711,702	\$4,173,599	(\$5,216,368)	\$0	\$6,651,941	\$209,320,874

**HISTORICAL PLAN CASH FLOWS**

	Beginning Value	Net Cash Flow	Market Gain/Loss	Ending Value
<b>1Q21</b>	\$203,711,702	(\$1,042,769)	\$6,651,941	\$209,320,874
<b>YTD</b>	\$203,711,702	(\$1,042,769)	\$6,651,941	\$209,320,874
<b>2020</b>	\$174,412,951	\$3,320,382	\$25,978,370	\$203,711,702
<b>2019</b>	\$150,093,203	(\$2,185,094)	\$26,504,842	\$174,412,951
<b>2018</b>	N/A	N/A	N/A	\$150,093,203
<b>2017</b>	N/A	N/A	N/A	N/A



Equity Indices: Russell 3000, MSCI ACWI ex USA; Fixed Indices: US Treasury 3 Mo T-Bill, BBgBarc Global Aggregate Bond (rebalanced quarterly)

Key: Ⓟ Pass / ● Fail

Investment Policy Status

	Performance Factors	Qualitative Factors	On-Watch Date Initiated	Notes
Nationwide Fixed Fund	Ⓟ	Ⓟ	-	
Fidelity US Bond Index	●	Ⓟ	-	Sharpe Ratio trailing median for five-year period.
Sterling Capital Total Return Bond R6	Ⓟ	Ⓟ	-	
Hotchkis & Wiley High Yield Z	●	Ⓟ	4Q2019	Two consecutive quarters trailing benchmark and median on rolling three-year basis. Sharpe Ratio trailing median for five-year period.
DFA US Large Cap Value I	●	Ⓟ	4Q2019	Two consecutive quarters trailing benchmark and median on rolling three-year basis. Sharpe Ratio trailing median for five-year period.
Fidelity 500 Index	Ⓟ	Ⓟ	-	
T. Rowe Price Large Cap Growth I	Ⓟ	Ⓟ	-	
MFS Mid Cap Value R6	Ⓟ	Ⓟ	-	
Fidelity Mid Cap Index	Ⓟ	Ⓟ	-	
WTC-CIF II Mid Cap Opportunities (Series 3)	●	Ⓟ	4Q2019	Two consecutive quarters trailing benchmark and median on rolling three-year basis. Sharpe Ratio trailing median for five-year period.
DFA US Targeted Value I	●	Ⓟ	2Q2020	Two consecutive quarters trailing benchmark on rolling three-year basis. Sharpe Ratio trailing median for five-year period.
Fidelity Small Cap Index	Ⓟ	Ⓟ	-	
Vanguard Small Growth Index Adm	●	Ⓟ	-	Sharpe Ratio trailing median for five-year period.
MFS International Intrinsic Value Equity R6	Ⓟ	●	3Q2020	Significant style drift.
Fidelity Total International Index	Ⓟ	Ⓟ	-	
Vanguard International Growth Adm	Ⓟ	Ⓟ	-	
Vanguard Target Retirement Income Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2020 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2025 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2030 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2035 Inv	Ⓟ	Ⓟ	-	Target date series to move to Institutional share class.
Vanguard Target Retirement 2040 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2045 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2050 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2055 Inv	Ⓟ	Ⓟ	-	
Vanguard Target Retirement 2060 Inv	Ⓟ	Ⓟ	-	

# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PERFORMANCE REVIEW

First Quarter 2021

	QTR	YTD	1Yr	Annualized			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>Nationwide Fixed Fund</b>	<b>0.83</b>	<b>0.83</b>	<b>3.47</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3.50</b>	<b>3.50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
5 Yr Constant Maturity US Treasury Yield	0.15	0.15	0.40	1.58	1.68	1.48	0.54	1.96	2.75	1.91	1.44	1.53
+/- Index	0.68	0.68	3.07	-	-	-	2.96	1.54	-	-	-	-
<b>Fidelity US Bond Index</b>	<b>-3.48</b>	<b>-3.48</b>	<b>0.37</b>	<b>4.65</b>	<b>3.05</b>	<b>3.42</b>	<b>7.80</b>	<b>8.48</b>	<b>0.01</b>	<b>3.50</b>	<b>2.52</b>	<b>0.63</b>
BBgBarc Capital US Aggregate Bond Index	-3.37	-3.37	0.71	4.65	3.10	3.44	7.51	8.72	0.01	3.54	2.65	0.55
+/- Index	(0.11)	(0.11)	(0.34)	0.00	(0.05)	(0.02)	0.29	(0.23)	0.00	(0.04)	(0.13)	0.08
US Fund Intermediate Core Bond	71	71	84	42	57	47	41	49	29	57	66	18
<b>Sterling Capital Total Return Bond R6</b>	<b>-3.00</b>	<b>-3.00</b>	<b>5.30</b>	<b>5.47</b>	<b>4.05</b>	<b>4.02</b>	<b>9.35</b>	<b>9.37</b>	<b>-0.27</b>	<b>4.33</b>	<b>3.75</b>	<b>0.54</b>
BBgBarc Capital US Aggregate Bond Index	-3.37	-3.37	0.71	4.65	3.10	3.44	7.51	8.72	0.01	3.54	2.65	0.55
+/- Index	0.37	0.37	4.59	0.82	0.95	0.58	1.84	0.65	(0.28)	0.79	1.10	(0.01)
US Fund Intermediate Core Bond	38	38	14	7	5	11	10	17	42	7	7	28
<b>Hotchkis &amp; Wiley High Yield Z</b>	<b>2.04</b>	<b>2.04</b>	<b>27.87</b>	<b>4.19</b>	<b>6.76</b>	<b>5.64</b>	<b>3.83</b>	<b>9.77</b>	<b>-3.34</b>	<b>8.24</b>	<b>16.02</b>	<b>-4.30</b>
BBgBarc Capital US Corp High Yield Index	0.85	0.85	23.72	6.84	8.06	6.48	7.11	14.32	-2.08	7.50	17.13	-4.47
+/- Index	1.19	1.19	4.15	(2.65)	(1.30)	(0.84)	(3.29)	(4.54)	(1.26)	0.73	(1.11)	0.17
US Fund High Yield Bond	17	17	13	85	48	37	71	82	63	11	16	58
<b>DFA US Large Cap Value I</b>	<b>14.72</b>	<b>14.72</b>	<b>66.52</b>	<b>8.98</b>	<b>12.29</b>	<b>11.17</b>	<b>-0.61</b>	<b>25.45</b>	<b>-11.65</b>	<b>18.97</b>	<b>18.89</b>	<b>-3.49</b>
Russell 1000 Value Index	11.26	11.26	56.09	10.96	11.74	10.99	2.80	26.54	-8.27	13.66	17.34	-3.83
+/- Index	3.46	3.46	10.43	(1.98)	0.55	0.18	(3.40)	(1.09)	(3.38)	5.30	1.55	0.33
US Fund Large Value	18	18	22	73	34	30	76	49	83	20	14	46

# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PERFORMANCE REVIEW

First Quarter 2021

	QTR	YTD	1Yr	Annualized			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>Fidelity 500 Index</b>	<b>6.18</b>	<b>6.18</b>	<b>56.34</b>	<b>16.77</b>	<b>16.28</b>	<b>13.90</b>	<b>18.40</b>	<b>31.47</b>	<b>-4.40</b>	<b>21.81</b>	<b>11.97</b>	<b>1.38</b>
S&P 500 Index	6.17	6.17	56.35	16.78	16.29	13.91	18.40	31.49	-4.38	21.83	11.96	1.38
+/- Index	0.01	0.01	(0.01)	(0.01)	(0.01)	(0.01)	0.00	(0.01)	(0.02)	(0.02)	0.01	0.00
US Fund Large Blend	53	53	52	23	20	10	37	23	25	28	26	20
<b>T. Rowe Price Large Cap Growth I</b>	<b>3.66</b>	<b>3.66</b>	<b>67.97</b>	<b>22.71</b>	<b>24.05</b>	<b>17.88</b>	<b>39.56</b>	<b>28.49</b>	<b>4.32</b>	<b>37.82</b>	<b>2.85</b>	<b>10.08</b>
Russell 1000 Growth Index	0.94	0.94	62.74	22.80	21.05	16.63	38.49	36.39	-1.51	30.21	7.08	5.67
+/- Index	2.72	2.72	5.23	(0.09)	3.00	1.25	1.07	(7.90)	5.83	7.61	(4.22)	4.41
US Fund Large Growth	27	27	26	26	9	9	29	80	7	3	52	7
<b>MFS Mid Cap Value R6</b>	<b>13.45</b>	<b>13.45</b>	<b>71.23</b>	<b>11.96</b>	<b>11.83</b>	<b>11.21</b>	<b>4.40</b>	<b>31.08</b>	<b>-11.31</b>	<b>13.84</b>	<b>15.86</b>	<b>-2.14</b>
Russell Mid Cap Value Index	13.05	13.05	73.76	10.70	11.60	11.05	4.96	27.06	-12.29	13.34	20.00	-4.78
+/- Index	0.40	0.40	(2.53)	1.26	0.23	0.16	(0.57)	4.02	0.98	0.50	(4.14)	2.64
US Fund Mid-Cap Value	74	74	67	24	38	19	40	7	32	44	66	18
<b>Fidelity Mid Cap Index</b>	<b>8.15</b>	<b>8.15</b>	<b>73.59</b>	<b>14.74</b>	<b>14.67</b>	<b>-</b>	<b>17.11</b>	<b>30.51</b>	<b>-9.05</b>	<b>18.47</b>	<b>13.86</b>	<b>-2.44</b>
Russell Mid Cap Index	8.14	8.14	73.64	14.73	14.67	12.47	17.10	30.54	-9.06	18.52	13.80	-2.44
+/- Index	0.01	0.01	(0.05)	0.01	0.00	-	0.01	(0.03)	0.01	(0.05)	0.07	0.00
US Fund Mid-Cap Blend	79	79	52	20	22	-	21	18	29	24	59	27
<b>WTC-CIF II Mid Cap Opportunities (Series 3)</b>	<b>5.19</b>	<b>5.19</b>	<b>74.06</b>	<b>16.31</b>	<b>18.00</b>	<b>13.99</b>	<b>25.16</b>	<b>33.06</b>	<b>-7.03</b>	<b>24.54</b>	<b>12.14</b>	<b>2.20</b>
Russell Mid Cap Growth Index	-0.57	-0.57	68.61	19.41	18.39	14.11	35.59	35.47	-4.75	25.27	7.33	-0.20
+/- Index	5.76	5.76	5.45	(3.10)	(0.39)	(0.12)	(10.43)	(2.41)	(2.28)	(0.73)	4.81	2.40
US Fund Mid-Cap Growth	18	18	44	83	61	42	79	55	64	51	8	24

**CITY OF SANTA CLARA**

457 Deferred Compensation Plan

**PERFORMANCE REVIEW**

First Quarter 2021

	QTR	YTD	1Yr	Annualized			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>DFA US Targeted Value I</b>	<b>25.10</b>	<b>25.10</b>	<b>113.47</b>	<b>10.73</b>	<b>12.48</b>	<b>10.20</b>	<b>3.77</b>	<b>21.47</b>	<b>-15.78</b>	<b>9.59</b>	<b>26.86</b>	<b>-5.72</b>
Russell 2000 Value Index	21.17	21.17	97.05	11.57	13.56	10.06	4.63	22.39	-12.86	7.84	31.74	-7.47
+/- Index	3.93	3.93	16.42	(0.84)	(1.08)	0.14	(0.87)	(0.92)	(2.92)	1.75	(4.88)	1.75
US Fund Small Value	18	18	23	34	32	24	45	52	55	40	40	46
<b>Fidelity Small Cap Index</b>	<b>12.73</b>	<b>12.73</b>	<b>94.97</b>	<b>14.88</b>	<b>16.51</b>	<b>-</b>	<b>19.99</b>	<b>25.71</b>	<b>-10.88</b>	<b>14.85</b>	<b>21.63</b>	<b>-4.24</b>
Russell 2000 Index	12.70	12.70	94.85	14.76	16.35	11.68	19.96	25.52	-11.01	14.65	21.31	-4.41
+/- Index	0.03	0.03	0.12	0.12	0.16	-	0.03	0.18	0.14	0.20	0.32	0.17
US Fund Small Blend	73	73	34	16	7	-	14	30	33	22	40	44
<b>Vanguard Small Growth Index Adm</b>	<b>2.56</b>	<b>2.56</b>	<b>83.09</b>	<b>19.39</b>	<b>19.05</b>	<b>13.16</b>	<b>35.28</b>	<b>32.76</b>	<b>-5.68</b>	<b>21.92</b>	<b>10.73</b>	<b>-2.52</b>
Vanguard US Small Cap Growth Index	2.55	2.55	83.12	19.40	19.04	13.10	35.35	32.75	-5.68	21.90	10.62	-2.60
+/- Index	0.01	0.01	(0.03)	(0.01)	0.01	0.06	(0.07)	0.01	0.00	0.02	0.11	0.09
US Fund Small Growth	75	75	73	50	58	58	52	27	50	46	48	54
<b>MFS International Intrinsic Value Equity R6</b>	<b>-1.79</b>	<b>-1.79</b>	<b>36.80</b>	<b>11.02</b>	<b>11.94</b>	<b>10.81</b>	<b>20.56</b>	<b>25.99</b>	<b>-8.89</b>	<b>27.25</b>	<b>4.31</b>	<b>6.85</b>
MSCI EAFE Value (Net) Index	7.44	7.44	45.71	1.85	6.57	3.65	-2.63	16.09	-14.78	21.44	5.02	-5.68
+/- Index	(9.23)	(9.23)	(8.91)	9.17	5.37	7.16	23.19	9.90	5.89	5.81	(0.72)	12.54
US Fund Foreign Large Value	100	100	91	1	1	1	1	1	2	12	21	2
<b>Fidelity Total International Index</b>	<b>3.91</b>	<b>3.91</b>	<b>52.17</b>	<b>6.42</b>	<b>-</b>	<b>-</b>	<b>11.07</b>	<b>21.48</b>	<b>-14.38</b>	<b>27.63</b>	<b>-</b>	<b>-</b>
MSCI ACWI Ex-USA IMI (Net) Index	3.77	3.77	51.94	6.51	9.84	5.11	11.12	21.63	-14.76	27.81	4.41	-4.60
+/- Index	0.14	0.14	0.23	(0.09)	-	-	(0.04)	(0.16)	0.37	(0.18)	-	-
US Fund Foreign Large Blend	41	41	33	41	-	-	32	53	49	22	-	-

# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PERFORMANCE REVIEW

First Quarter 2021

	QTR	YTD	1Yr	Annualized			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>Vanguard International Growth Adm</b>	<b>-1.03</b>	<b>-1.03</b>	<b>87.14</b>	<b>20.68</b>	<b>22.01</b>	<b>11.92</b>	<b>59.74</b>	<b>31.48</b>	<b>-12.58</b>	<b>43.16</b>	<b>1.84</b>	<b>-0.54</b>
<b>MSCI ACWI Ex-USA Growth (Net) Index</b>	-0.08	-0.08	49.36	10.31	12.03	6.69	22.20	27.34	-14.43	32.01	0.12	-1.25
<b>+/- Index</b>	(0.95)	(0.95)	37.78	10.37	9.98	5.23	37.54	4.14	1.84	11.15	1.72	0.71
<b>US Fund Foreign Large Growth</b>	<b>74</b>	<b>74</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>22</b>	<b>31</b>	<b>6</b>	<b>12</b>	<b>67</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement Income Inv</b>	<b>0.08</b>	<b>0.08</b>	<b>17.02</b>	<b>7.06</b>	<b>6.38</b>	<b>5.66</b>	<b>10.02</b>	<b>13.16</b>	<b>-1.99</b>	<b>8.47</b>	<b>5.25</b>	<b>-0.17</b>
<b>Vanguard Retirement Income Index</b>	0.11	0.11	17.35	7.39	6.64	5.87	10.70	13.40	-1.98	8.67	5.35	0.12
<b>+/- Index</b>	(0.03)	(0.03)	(0.33)	(0.33)	(0.26)	(0.21)	(0.68)	(0.24)	(0.01)	(0.19)	(0.10)	(0.30)
<b>US Fund Target-Date Retirement</b>	<b>62</b>	<b>62</b>	<b>57</b>	<b>32</b>	<b>46</b>	<b>16</b>	<b>36</b>	<b>49</b>	<b>21</b>	<b>62</b>	<b>41</b>	<b>7</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2020 Inv</b>	<b>1.28</b>	<b>1.28</b>	<b>27.16</b>	<b>8.73</b>	<b>8.92</b>	<b>7.68</b>	<b>12.04</b>	<b>17.63</b>	<b>-4.24</b>	<b>14.08</b>	<b>6.95</b>	<b>-0.68</b>
<b>Vanguard Retirement 2020 Index</b>	1.33	1.33	27.45	9.15	9.23	7.96	12.86	17.87	-4.14	14.22	7.17	-0.40
<b>+/- Index</b>	(0.05)	(0.05)	(0.29)	(0.42)	(0.31)	(0.28)	(0.82)	(0.24)	(0.10)	(0.14)	(0.22)	(0.28)
<b>US Fund Target-Date 2020</b>	<b>62</b>	<b>62</b>	<b>47</b>	<b>37</b>	<b>36</b>	<b>19</b>	<b>46</b>	<b>28</b>	<b>42</b>	<b>17</b>	<b>29</b>	<b>23</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2025 Inv</b>	<b>1.86</b>	<b>1.86</b>	<b>32.57</b>	<b>9.62</b>	<b>9.95</b>	<b>8.31</b>	<b>13.30</b>	<b>19.63</b>	<b>-5.15</b>	<b>15.94</b>	<b>7.48</b>	<b>-0.85</b>
<b>Vanguard Retirement 2025 Index</b>	1.91	1.91	32.92	10.10	10.29	8.62	14.19	19.93	-5.01	16.08	7.66	-0.58
<b>+/- Index</b>	(0.05)	(0.05)	(0.35)	(0.48)	(0.34)	(0.31)	(0.89)	(0.30)	(0.14)	(0.14)	(0.18)	(0.27)
<b>US Fund Target-Date 2025</b>	<b>48</b>	<b>48</b>	<b>37</b>	<b>30</b>	<b>29</b>	<b>17</b>	<b>40</b>	<b>22</b>	<b>42</b>	<b>21</b>	<b>23</b>	<b>24</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2030 Inv</b>	<b>2.49</b>	<b>2.49</b>	<b>37.19</b>	<b>10.26</b>	<b>10.77</b>	<b>8.84</b>	<b>14.10</b>	<b>21.07</b>	<b>-5.86</b>	<b>17.52</b>	<b>7.85</b>	<b>-1.03</b>
<b>Vanguard Retirement 2030 Index</b>	2.54	2.54	37.46	10.73	11.10	9.13	14.96	21.33	-5.74	17.65	8.11	-0.80
<b>+/- Index</b>	(0.05)	(0.05)	(0.27)	(0.47)	(0.33)	(0.29)	(0.86)	(0.26)	(0.12)	(0.13)	(0.26)	(0.23)
<b>US Fund Target-Date 2030</b>	<b>68</b>	<b>68</b>	<b>48</b>	<b>41</b>	<b>36</b>	<b>23</b>	<b>38</b>	<b>32</b>	<b>37</b>	<b>34</b>	<b>32</b>	<b>31</b>

# CITY OF SANTA CLARA

## 457 Deferred Compensation Plan

# PERFORMANCE REVIEW

First Quarter 2021

	QTR	YTD	1Yr	Annualized			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>Vanguard Target Retirement 2035 Inv</b>	<b>3.17</b>	<b>3.17</b>	<b>41.87</b>	<b>10.86</b>	<b>11.57</b>	<b>9.33</b>	<b>14.79</b>	<b>22.44</b>	<b>-6.58</b>	<b>19.12</b>	<b>8.26</b>	<b>-1.26</b>
Vanguard Retirement 2035 Index	3.19	3.19	42.14	11.32	11.90	9.64	15.67	22.76	-6.48	19.24	8.55	-1.02
+/- Index	(0.02)	(0.02)	(0.27)	(0.46)	(0.33)	(0.31)	(0.87)	(0.33)	(0.10)	(0.12)	(0.29)	(0.24)
<b>US Fund Target-Date 2035</b>	<b>73</b>	<b>73</b>	<b>60</b>	<b>48</b>	<b>42</b>	<b>29</b>	<b>43</b>	<b>42</b>	<b>32</b>	<b>35</b>	<b>32</b>	<b>37</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2040 Inv</b>	<b>3.82</b>	<b>3.82</b>	<b>46.64</b>	<b>11.43</b>	<b>12.36</b>	<b>9.79</b>	<b>15.47</b>	<b>23.86</b>	<b>-7.32</b>	<b>20.71</b>	<b>8.73</b>	<b>-1.59</b>
Vanguard Retirement 2040 Index	3.84	3.84	46.92	11.90	12.69	10.11	16.31	24.19	-7.22	20.87	8.98	-1.25
+/- Index	(0.02)	(0.02)	(0.28)	(0.47)	(0.33)	(0.32)	(0.83)	(0.33)	(0.11)	(0.16)	(0.25)	(0.34)
<b>US Fund Target-Date 2040</b>	<b>77</b>	<b>77</b>	<b>59</b>	<b>46</b>	<b>39</b>	<b>26</b>	<b>40</b>	<b>43</b>	<b>37</b>	<b>25</b>	<b>27</b>	<b>43</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2045 Inv</b>	<b>4.47</b>	<b>4.47</b>	<b>51.64</b>	<b>12.03</b>	<b>12.89</b>	<b>10.04</b>	<b>16.30</b>	<b>24.94</b>	<b>-7.90</b>	<b>21.42</b>	<b>8.87</b>	<b>-1.57</b>
Vanguard Retirement 2045 Index	4.49	4.49	51.85	12.50	13.21	10.36	17.03	25.36	-7.77	21.54	9.13	-1.25
+/- Index	(0.02)	(0.02)	(0.21)	(0.47)	(0.32)	(0.32)	(0.73)	(0.42)	(0.13)	(0.11)	(0.26)	(0.32)
<b>US Fund Target-Date 2045</b>	<b>73</b>	<b>73</b>	<b>47</b>	<b>37</b>	<b>32</b>	<b>22</b>	<b>36</b>	<b>43</b>	<b>43</b>	<b>26</b>	<b>28</b>	<b>42</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2050 Inv</b>	<b>4.53</b>	<b>4.53</b>	<b>51.82</b>	<b>12.09</b>	<b>12.93</b>	<b>10.06</b>	<b>16.39</b>	<b>24.98</b>	<b>-7.90</b>	<b>21.39</b>	<b>8.85</b>	<b>-1.58</b>
Vanguard Retirement 2050 Index	4.59	4.59	52.18	12.58	13.26	10.39	17.18	25.36	-7.77	21.54	9.13	-1.25
+/- Index	(0.06)	(0.06)	(0.36)	(0.49)	(0.33)	(0.33)	(0.79)	(0.38)	(0.13)	(0.14)	(0.28)	(0.32)
<b>US Fund Target-Date 2050</b>	<b>80</b>	<b>80</b>	<b>59</b>	<b>43</b>	<b>40</b>	<b>24</b>	<b>37</b>	<b>47</b>	<b>37</b>	<b>38</b>	<b>29</b>	<b>45</b>
	<b>QTR</b>	<b>YTD</b>	<b>1Yr</b>	<b>3Yr</b>	<b>5Yr</b>	<b>10Yr</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>Vanguard Target Retirement 2055 Inv</b>	<b>4.54</b>	<b>4.54</b>	<b>51.79</b>	<b>12.07</b>	<b>12.92</b>	<b>10.06</b>	<b>16.32</b>	<b>24.98</b>	<b>-7.89</b>	<b>21.38</b>	<b>8.88</b>	<b>-1.72</b>
Vanguard Retirement 2055 Index	4.59	4.59	52.18	12.58	13.26	10.39	17.18	25.36	-7.77	21.54	9.13	-1.25
+/- Index	(0.05)	(0.05)	(0.39)	(0.51)	(0.34)	(0.33)	(0.86)	(0.38)	(0.12)	(0.16)	(0.25)	(0.46)
<b>US Fund Target-Date 2055</b>	<b>85</b>	<b>85</b>	<b>66</b>	<b>45</b>	<b>45</b>	<b>30</b>	<b>41</b>	<b>51</b>	<b>37</b>	<b>48</b>	<b>27</b>	<b>53</b>



**CITY OF SANTA CLARA**

457 Deferred Compensation Plan

**PERFORMANCE REVIEW**

First Quarter 2021

	QTR	YTD	1Yr	<i>Annualized</i>			2020	2019	2018	2017	2016	2015
				3Yr	5Yr	10Yr						
<b>Vanguard Target Retirement 2060 Inv</b>	4.54	4.54	51.75	12.06	12.91	-	16.32	24.96	-7.87	21.36	8.84	-1.68
Vanguard Retirement 2060 Index	4.59	4.59	52.18	12.58	13.26	-	17.18	25.36	-7.77	21.54	9.13	-1.25
+/- Index	(0.05)	(0.05)	(0.43)	(0.52)	(0.35)	-	(0.85)	(0.40)	(0.10)	(0.18)	(0.28)	(0.43)
<b>US Fund Target-Date 2060+</b>	85	85	71	52	57	-	42	66	34	53	21	46

**CITY OF SANTA CLARA**  
457 Deferred Compensation Plan

**PLAN FEE ANALYSIS**  
First Quarter 2021

*Annualized*

Fund	Ticker	Quarter Average			Est. Total Invest.	Est. Total Admin.
		Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Nationwide Fixed Fund*	-	\$62,422,764	0.40%	0.02%	\$249,691	\$12,485
Fidelity US Bond Index	FXNAX	\$2,658,480	0.03%	0.02%	\$665	\$532
Sterling Capital Total Return Bond R6	STRDX	\$3,990,036	0.35%	0.02%	\$13,965	\$798
Hotchkis & Wiley High Yield Z	HWHZX	\$1,311,228	0.60%	0.02%	\$7,867	\$262
DFA US Large Cap Value I	DFLVX	\$7,217,760	0.22%	0.02%	\$15,879	\$1,444
Fidelity 500 Index	FXAIX	\$31,768,334	0.02%	0.02%	\$4,765	\$6,354
T. Rowe Price Large Cap Growth I	TRLGX	\$20,540,277	0.56%	0.02%	\$115,026	\$4,108
MFS Mid Cap Value R6	MVCKX	\$1,457,304	0.68%	0.02%	\$9,910	\$291
Fidelity Mid Cap Index	FSMDX	\$2,369,744	0.03%	0.02%	\$592	\$474
WTC-CIF II Mid Cap Opportunities (Series 3)	-	\$10,521,230	0.57%	0.02%	\$59,971	\$2,104
DFA US Targeted Value I	DFFVX	\$2,603,617	0.33%	0.02%	\$8,592	\$521
Fidelity Small Cap Index	FSSNX	\$1,565,804	0.03%	0.02%	\$391	\$313
Vanguard Small Growth Index Adm	VSGAX	\$4,922,138	0.07%	0.02%	\$3,445	\$984
MFS International Intrinsic Value Equity R6	MINJX	\$4,441,569	0.63%	0.02%	\$27,982	\$888
Fidelity Total International Index	FTIHX	\$4,270,062	0.06%	0.02%	\$2,562	\$854
Vanguard International Growth Adm	VWILX	\$9,006,825	0.33%	0.02%	\$29,723	\$1,801
Vanguard Target Retirement Income Inv	VTINX	\$1,297,032	0.12%	0.02%	\$1,556	\$259
Vanguard Target Retirement 2020 Inv	VTWNX	\$1,014,329	0.13%	0.02%	\$1,319	\$203
Vanguard Target Retirement 2025 Inv	VTTVX	\$14,978,175	0.13%	0.02%	\$19,472	\$2,996
Vanguard Target Retirement 2030 Inv	VTHRX	\$725,621	0.14%	0.02%	\$1,016	\$145
Vanguard Target Retirement 2035 Inv	VTTHX	\$7,490,910	0.14%	0.02%	\$10,487	\$1,498
Vanguard Target Retirement 2040 Inv	VFORX	\$558,681	0.14%	0.02%	\$782	\$112
Vanguard Target Retirement 2045 Inv	VTIVX	\$7,146,821	0.15%	0.02%	\$10,720	\$1,429
Vanguard Target Retirement 2050 Inv	VFIFX	\$564,902	0.15%	0.02%	\$847	\$113
Vanguard Target Retirement 2055 Inv	VFFVX	\$1,422,628	0.15%	0.02%	\$2,134	\$285
Vanguard Target Retirement 2060 Inv	VTTSX	\$250,015	0.15%	0.02%	\$375	\$50
<b>TOTAL</b>		<b>\$206,516,288</b>			<b>\$599,735</b>	<b>\$41,303</b>

Plan Administration Cost	Quarter	Annualized
Plan Generated Revenue (est):	\$10,326	\$41,303

\*No explicit expense ratio stated for the fund. For reporting purposes, an expense of 0.40% is assumed.



## Agenda Report

21-652

Agenda Date: 5/17/2021

### REPORT TO DEFERRED COMPENSATION COMMITTEE

#### SUBJECT

Action to Terminate the MFS International Intrinsic Value Fund and Replace with the Vanguard International Value Fund.

#### BACKGROUND

At the conclusion of the formal Request for Proposal (RFP) for retirement plan administration services in 2018, Hyas Group worked with the Committee to develop a consolidated investment menu for plan participants. The structure was designed to offer funds in every major asset class in an economical manner. One major asset class offered is international value, which was funded by MFS International Intrinsic Value Equity. At this time, and for the reasons set forth in the Discussion section below (and the memo from Hyas, Attachment 1), Hyas is recommending to the Deferred Compensation Committee to approve the termination of the MFS International Intrinsic Value Fund and replacement with the Vanguard International Value Fund.

#### DISCUSSION

Hyas is the City's independent consultant to the City's 457 Deferred Compensation Plan (Plan) and conducts a quarterly review of the Plan's investment options and performance. Hyas has noted that recently, the characteristics of the MFS International Intrinsic Value Equity Fund have shifted significantly towards the growth investment style, diverging from its intended role on the investment menu. The fund's approach to the value investment style (emphasizing economically sound companies with cash-centric earnings) has led it into more growth-oriented sectors, namely information technology and healthcare, while underweighting sectors exhibiting more traditional value characteristics such as low valuations and higher dividend yields. This causes the fund to replicate the style and purpose of the international growth fund offered within the investment menu and creates doubt about the fund's ability to perform consistent with its value objective. The Committee placed this fund on watch status at the third quarter meeting in November 2020 to allow the fund time to correct this style drift. Since no such correction has occurred or appears likely to occur, Hyas Group's recommendation is to replace the MFS International Intrinsic Value Equity Fund with a more stylistically consistent international value option.

Hyas Group has prepared a search document for the international value asset class for the Committee to review (Attachment 2), which compares three alternatives along with the incumbent investment option. Hyas believes that while all three replacement candidates are suitable, the Vanguard International Value Fund is recommended. The Vanguard International Value Fund is much more reflective of the international value asset class and has been a consistent performer at a relatively low cost. If the Committee approves this fund change, Nationwide will transfer all existing balances and any future contributions to the Vanguard fund effective on or around August 17.

**ENVIRONMENTAL REVIEW**

The action being considered does not constitute a “project” within the meaning of the California Environmental Quality Act (“CEQA”) pursuant to CEQA Guidelines section 15378(b)(4) in that it is a fiscal activity that does not involve any commitment to any specific project which may result in a potential significant impact on the environment.

**FISCAL IMPACT**

There is no cost to the City with this action. All plan investment expenses are paid by the participants and there are 251 participants in this fund. However, this fund change will save those participants money because the Vanguard International Value Fund has an expense ratio of .35%, almost half of the .63% currently paid in the MFS International Intrinsic Value Equity Fund.

**PUBLIC CONTACT**

Public contact was made by posting the Deferred Compensation Committee agenda on the City’s official-notice bulletin board outside City Hall Council Chambers. A complete agenda packet is available on the City’s website and in the City Clerk’s Office at least 72 hours prior to a Regular Meeting and 24 hours prior to a Special Meeting. A hard copy of any agenda report may be requested by contacting the City Clerk’s Office at (408) 615-2220, email [clerk@santaclaraca.gov](mailto:clerk@santaclaraca.gov) <<mailto:clerk@santaclaraca.gov>> or at the public information desk at any City of Santa Clara public library.

**RECOMMENDATION**

Approve the Replacement of the MFS International Intrinsic Value Fund with the Vanguard International Value Fund.

Reviewed by: Greg Bych, Risk Manager

Approved by: Aracely Azevedo, Director of Human Resources

1. Hyas Memo - Replace MFS Fund with Vanguard Fund
2. Hyas - City of Santa Clara - International Value Manager Search Report

# MEMO

To: City of Santa Clara Deferred Compensation Plan Committee

From: Hyas Group

Date: April 30, 2021

RE: Recommendation to Terminate the MFS International Intrinsic Value Equity Fund and Replace with the Vanguard International Value Fund

---

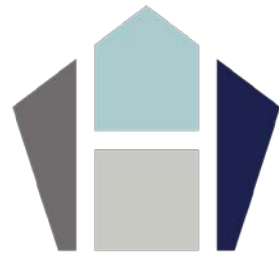


108 NW 9<sup>th</sup> Ave #203  
Portland, Ore. 97209  
(971) 634-1500  
hyasgroup.com

At the conclusion of the formal Request for Proposal (RFP) for retirement plan administration services in 2018, Hyas Group worked with the Committee to develop a consolidated investment menu for plan participants. The structure was designed to offer funds in every major asset class in an economical manner. One major asset class offered is international value, which was funded by MFS International Intrinsic Value Equity.

Recently, the characteristics of the MFS International Intrinsic Value Equity Fund have shifted significantly towards the growth investment style, diverging from its intended role on the investment menu. In the summer of 2020, Hyas Group analysts met with the portfolio management team to discuss this. Our analysts concluded that the fund's approach to the value investment style (emphasizing economically sound companies with cash-centric earnings) has led it into more growth-oriented sectors, namely information technology and healthcare, while underweighting sectors exhibiting more traditional value characteristics such as low valuations and higher dividend yields. This causes the fund to replicate the style and purpose of the international growth fund offered within the investment menu and creates doubt about the fund's ability to perform consistent with its value objective. The Committee placed this fund on watch status at the third quarter meeting in November 2020 to allow the fund time to correct this style drift. Since no such correction has occurred or appears likely to occur, Hyas Group's recommendation is to replace the MFS International Intrinsic Value Equity Fund with a more stylistically consistent international value option.

Hyas Group has prepared a search document for the international value asset class for the Committee to review. In this search document we have provided three alternatives along with the incumbent investment option for review. We have included several datapoints such as performance, risk metrics, investment style, composition analysis, and a summary of fees. While all three replacement candidates are suitable, the Hyas Group recommends replacing the MFS International Intrinsic Value Fund with the Vanguard International Value Fund. The Vanguard International Value Fund is much more reflective of the international value asset class and has been a consistent performer at a relatively low cost. If the Committee approves this fund change, Nationwide will transfer all existing balances and any future contributions to the Vanguard fund effective on or around August 17.



**HYAS**  
GROUP

**City of Santa Clara**  
**457 Deferred Compensation Plan**  
**International Value Manager Search Report**  
April 2021

# TABLE OF CONTENTS

<b>Section 1</b>	Background and Search Criteria
<b>Section 2</b>	Description of Funds
<b>Section 3</b>	Performance, Risk, and Style Summary
<b>Section 4</b>	Expense Summary
<b>Section 5</b>	Composition
<b>Section 6</b>	Fund Fact Sheets and Performance Analysis
<b>Section 7</b>	Glossary

# Section 1



# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

---

### Section 1: Background and Search Criteria

This document has been prepared to provide analysis of several potential replacement fund candidates in the International Value asset class. The current option, MFS International Intrinsic Value, has experienced a large amount of style drift to the point that the portfolio is no longer consistent with the International Value asset class. After meeting with the fund manager in the summer of 2020, the Hvas Group placed this fund on watch in the City of Santa Clara's plan in the third quarter. As such, a manager search has been assembled to review alternative options.

The Hvas Group seeks to evaluate managers over a full market cycle, during which time a manager is expected to have adequate opportunities to add value through their specific investment approach. In the case of the current option, we believe the trailing five-year period incorporates a broad enough range of market environments to be considered representative of a market cycle over which to evaluate the current fund and replacement candidates.

The replacement candidates presented include management teams that have generally satisfied the following Investment Policy criteria:

- 1) Investment track record of no less than five years
- 2) Five-year returns above peer group median
- 3) Reasonable portfolio diversification and risk (volatility) characteristics
- 4) Investment style consistency over evaluation period

We have provided three alternative candidates in the International Value asset class category along with the incumbent investment option for review. We have also provided a summary of current expense ratios for the current option and each of the replacement candidates.

Although all three replacement candidates are suitable, the Hvas Group is recommending terminating the MFS International Intrinsic Value Fund and replacing it with the Vanguard International Value Fund. The Vanguard fund is much more reflective of the international value asset class and has been a consistent performer at a relatively low cost. If approved, Nationwide will transfer all existing balances and any future contributions to the Vanguard fund effective on or around August 17.

**All performance-related information is as of 1Q21 unless stated otherwise.**

# Section 2

# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

---

### Section 2: Description of Funds

#### Current Option

---

**Fund Name: MFS International Intrinsic Value**

Prospectus Objective: Foreign Stock

Strategy: Foreign Large Growth

Commentary: The MFS International Intrinsic Value fund is a diversified portfolio of 80 to 100 companies that management views to have sustainable business models and growth rates, wise capital allocation policies, standing to benefit from improvements in external demand, and that appear reasonably priced relative to their peers and historical valuations. The strategy is supported by MFS's global research platform, which is comprised of sector specialists (including over 30 international stock analysts) in 9 worldwide offices. Management seeks to add value primarily through shrewd stock selection stemming from its underlying sector expertise. Larger tactical bets in terms of sectors or asset allocation are typically avoided. As a result of the fund's emphasis on diversification, strong stock selection, and avoidance of other tactical strategies, it has shown itself to be a consistently strong performer with relatively minor tracking error relative to most foreign value benchmarks and its peer group. Through recent times, the fund's strategy has shifted to the growth category which has led to significant outperformance of their value peers.

# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

---

### Replacement Candidates

---

#### **Fund Name: Vanguard International Value**

Prospectus Objective: Foreign Stock

Strategy: Foreign Giant

Commentary: Vanguard International Value provides exposure to large-, mid-, and small-sized international value companies through a multi-manager approach that combines the strategies of three distinct investment managers (ARGA Investment Managers, Edinburgh Partners, and Lazard Asset Management). ARGA take a long-term, deep-value approach that focuses primarily on identifying financially and economically attractive companies trading at a substantial discount to their book value and expected future dividend payments. Edinburgh focuses on holding a concentrated portfolio of companies with steady long-term growth prospects and that are trading at a discount to expected earnings. Lazard in turn focuses on companies and sectors that can generate a high return on equity and that are trading at a low valuation. Vanguard may alter the underlying managers and their percentage of the portfolio under management at times, depending on market conditions, fund asset levels, manager performance, and the opportunity set of available managers. ARGA for example, was added to the portfolio in 2012. Long-term performance has remained competitive however and the fund has provided investors with diversified exposure to several high-quality investment managers at a competitive price.

#### **Fund Name: Hartford Schroders Intl Multi-Cap**

Prospectus Objective: Foreign Stock

Strategy: Foreign Large Value

Commentary: The Hartford Schroders International Multi-Cap Value fund takes a highly diversified approach to investing, typically holding 900-1,000 securities. Additionally, the fund is a multi-cap strategy that invests in international securities across the market capitalization spectrum. The managers use a quantitative basis for their research, targeting undervalued companies with high quality business fundamentals but effectively ignore momentum measures like many of their quantitatively focused peers. While the managers hold the strategy's sector weightings close to those of the MSCI ACWI Ex-USA Value Index, their value bias can, at times, lead to moderate deviations. Furthering their diversification, the strategy also invests in countries around the world but unlike their sector allocations are more lenient about their relative weightings.

# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

---

### Replacement Candidates (continued)

---

**Fund Name: Causeway International Opps**

Prospectus Objective: Foreign Stock

Strategy: Foreign Large Value

Commentary: The Causeway International Opportunities fund seeks international companies that are facing operational, but not financial, distress as targets to add value for its investors. The strategy uses a very disciplined approach by using quantitative screens to find stocks that look cheap for which their analysts will conduct further fundamental due diligence. Once an attractive stock is found, the team's sector analysts assign a two-year price target and the quant team evaluates the company's risk versus potential returns. Each stock is then ranked from by attractiveness on a risk/reward scale which is subsequently used to determine portfolio weights. The bottom-up nature of the strategy can lead to times where the portfolio deviates from the sector and country weights of the MSCI ACWI Ex-USA Value index and has led to slightly higher tracking error than its peers historically.

# Section 3

## City of Santa Clara 457 Deferred Compensation Plan

### International Value Manager Search Report April 2021

### Section 3: Performance, Risk, and Style Summary

#### Peer Group Rankings

	1Q21	YTD	1YR	3YR	5YR	10YR	2020	2019	2018	2017	2016	2015
MFS International Intrinsic Value	<b>100</b>	<b>100</b>	<b>91</b>	1	1	1	1	1	2	12	21	2
Vanguard International Value	<b>72</b>	<b>72</b>	<b>29</b>	6	3	15	5	24	36	12	48	<b>67</b>
Hartford Schrodgers Intl Multi-Cap	<b>28</b>	<b>28</b>	<b>42</b>	45	37	27	50	41	44	46	17	46
Causeway International Opps	<b>59</b>	<b>59</b>	<b>13</b>	27	17	25	19	13	<b>83</b>	6	<b>66</b>	<b>62</b>

Fund rankings in **red** lag the 50th percentile of the peer group

#### Returns

	1Q21	YTD	1YR	3YR	5YR	10YR	2020	2019	2018	2017	2016	2015
MFS International Intrinsic Value	-1.72	-1.72	36.90	11.05	11.95	10.82	20.56	25.99	-8.89	27.25	4.31	6.85
Vanguard International Value	5.74	5.74	56.36	6.07	9.76	5.47	8.99	20.39	-14.52	27.96	4.46	-6.44
Hartford Schrodgers Intl Multi-Cap	8.57	8.57	52.18	3.42	7.65	4.88	1.14	18.56	-15.23	23.27	8.94	-4.56
Causeway International Opps	6.37	6.37	61.94	4.38	8.64	4.98	5.44	21.71	-18.41	29.57	1.99	-6.11
<b>MSCI ACWI Ex USA Value</b>	<b>7.06</b>	<b>7.06</b>	<b>48.68</b>	<b>2.40</b>	<b>7.25</b>	<b>3.02</b>	<b>-0.77</b>	<b>15.71</b>	<b>-13.97</b>	<b>22.66</b>	<b>8.92</b>	<b>-10.06</b>
<b>Avg. Intl Value</b>	<b>7.11</b>	<b>7.11</b>	<b>48.84</b>	<b>3.21</b>	<b>6.75</b>	<b>3.88</b>	<b>1.01</b>	<b>18.03</b>	<b>-15.38</b>	<b>22.37</b>	<b>3.09</b>	<b>-3.30</b>

Returns longer than one year is annualized.

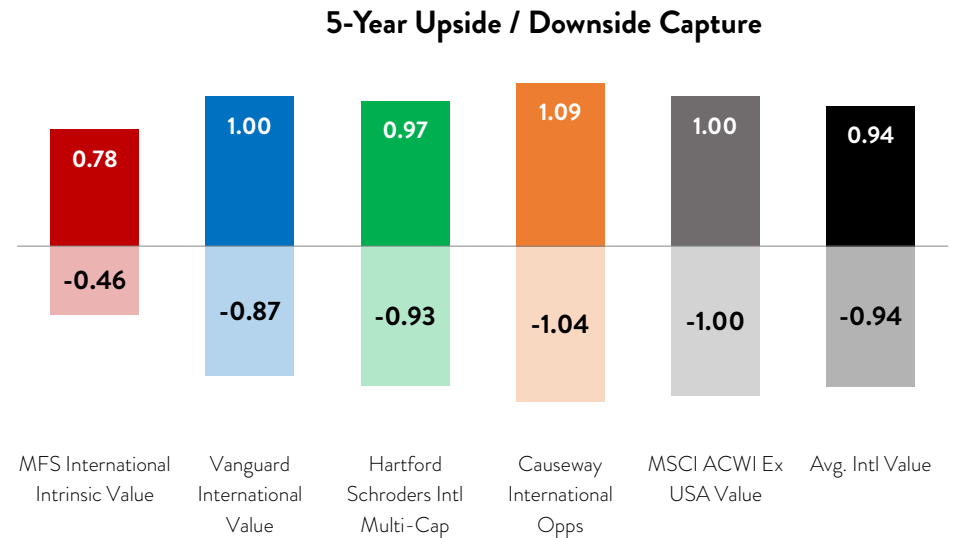
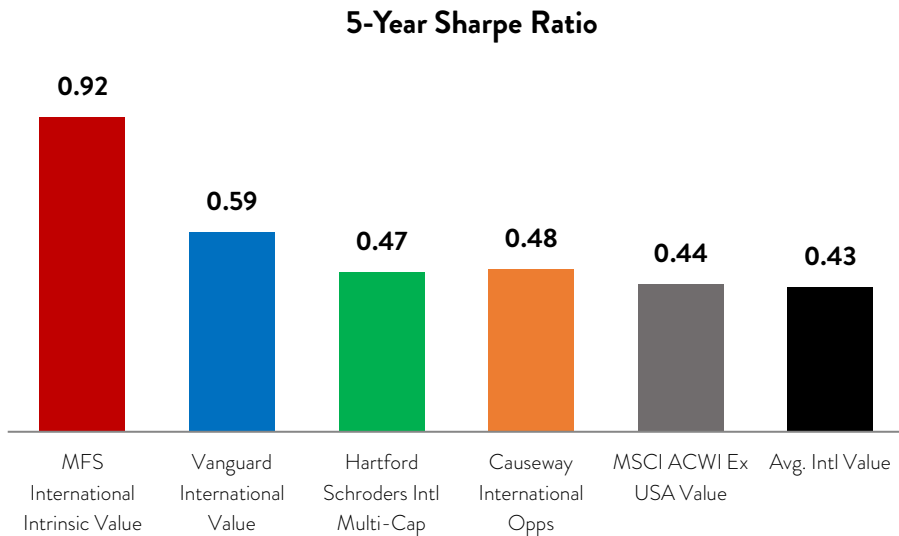
#### Returns +/- Index

	1Q21	YTD	1YR	3YR	5YR	10YR	2020	2019	2018	2017	2016	2015
MFS International Intrinsic Value	<b>(8.78)</b>	<b>(8.78)</b>	<b>(11.78)</b>	8.66	4.71	7.79	21.33	10.28	5.08	4.59	<b>(4.61)</b>	16.91
Vanguard International Value	<b>(1.32)</b>	<b>(1.32)</b>	7.68	3.67	2.52	2.45	9.76	4.68	<b>(0.55)</b>	5.30	<b>(4.46)</b>	3.62
Hartford Schrodgers Intl Multi-Cap	1.51	1.51	3.49	1.02	0.40	1.86	1.92	2.85	<b>(1.26)</b>	0.61	0.02	5.51
Causeway International Opps	<b>(0.69)</b>	<b>(0.69)</b>	13.25	1.98	1.40	1.96	6.22	5.99	<b>(4.44)</b>	6.91	<b>(6.92)</b>	3.95

Fund returns in **red** lag the Index

# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021





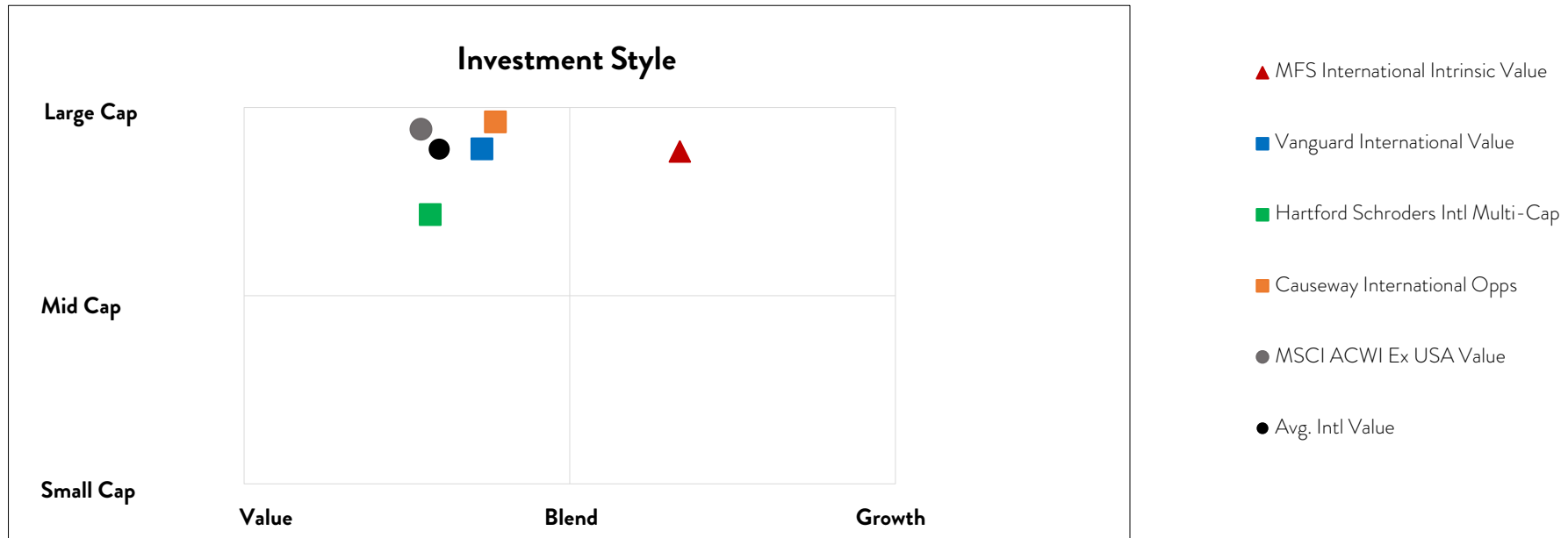
# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

### Volatility and Investment Style

	Beta	R <sup>2</sup>	Tracking Error		Batting Averages				
			vs. Idx	vs. Avg.	% > 0	vs. Idx	vs. Avg.	vs. Idx or Avg.	vs. Idx and Avg.
MFS International Intrinsic Value	0.54	0.60	10.62	9.02	68%	50%	48%	52%	47%
Vanguard International Value	0.95	0.95	3.59	2.60	63%	57%	62%	68%	50%
Hartford Schroders Intl Multi-Cap	0.93	0.94	3.99	3.29	63%	57%	57%	70%	43%
Causeway International Opps	1.08	0.95	4.23	3.79	63%	48%	57%	63%	42%
<b>MSCI ACWI Ex USA Value</b>	<b>1.00</b>	<b>1.00</b>	<b>-</b>	<b>2.64</b>	<b>67%</b>	<b>-</b>	<b>53%</b>	<b>53%</b>	<b>-</b>
<b>Avg. Intl Value</b>	<b>0.95</b>	<b>0.98</b>	<b>2.64</b>	<b>-</b>	<b>62%</b>	<b>47%</b>	<b>-</b>	<b>47%</b>	<b>-</b>

Based on the trailing 5-year period ending 1Q2021.



Based on the most recently available holdings data

# Section 4

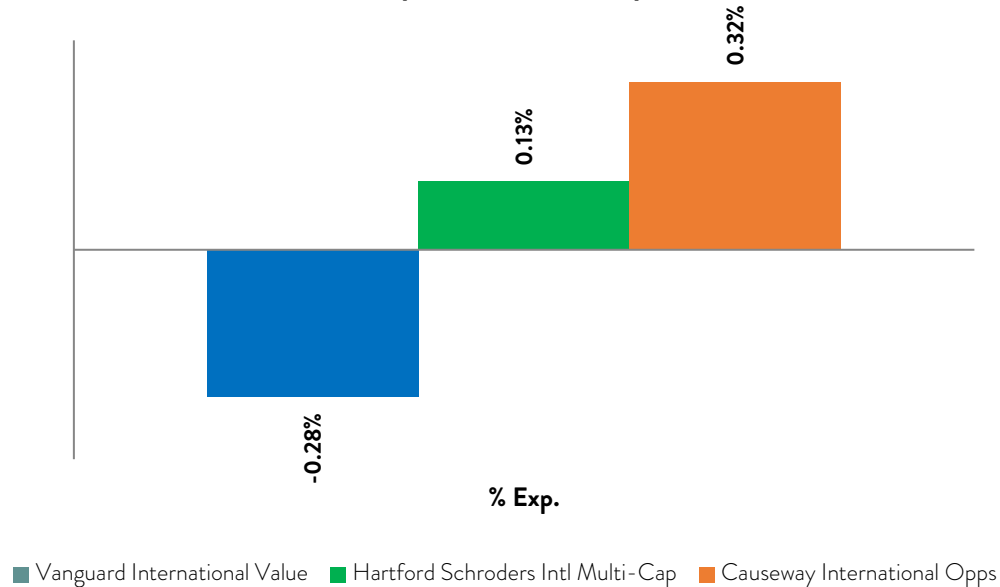
# City of Santa Clara 457 Deferred Compensation Plan

International Value Manager Search Report April 2021

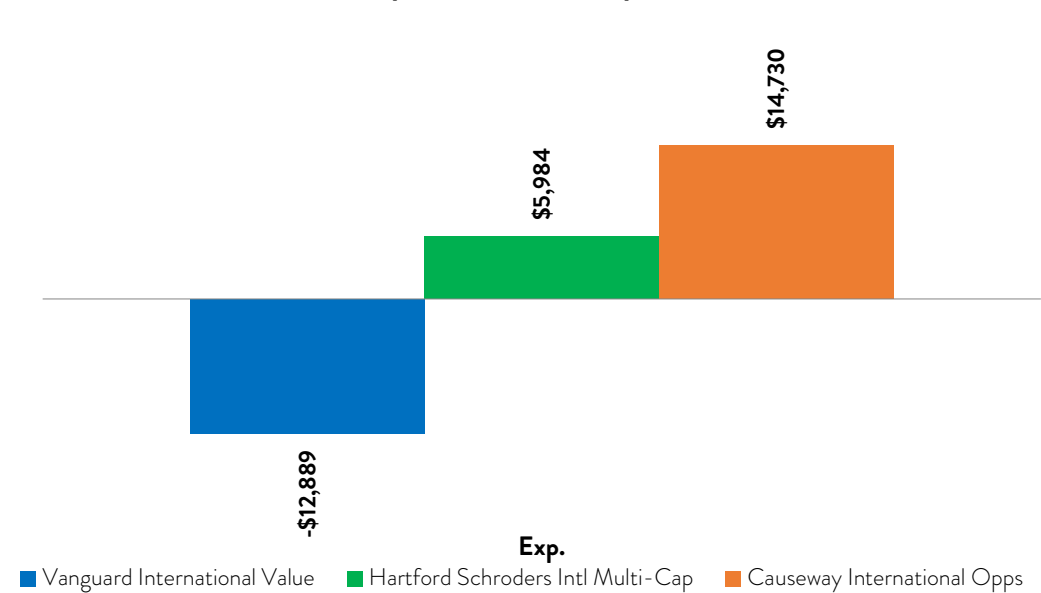
## Section 4: Revenue, Expenses, and Operations

	Ticker	Share Class	Estimated Annual Expenses			Total Plan Assets	Revenue Share
			% Exp.	as % of Plan	\$	\$220,796,197	
MFS International Intrinsic Value	MINJX	Retirement	0.63%	0.013%	\$29,001	Fund Assets \$4,603,264 <i>as of 1Q2021</i>	0.00%
Vanguard International Value	VTRIX	Inv	0.35%	0.007%	\$16,111		0.00%
Hartford Schroders Intl Multi-Cap	SIDRX	Retirement	0.76%	0.016%	\$34,985		0.00%
Causeway International Opps	CIOIX	Inst	0.95%	0.020%	\$43,731		0.00%
<b>Avg. Intl Value</b>	-	-	<b>1.06%</b>	<b>0.022%</b>	<b>\$48,649</b>		

Estimated Impact on Annual Expenses(%)



Estimated Impact on Annual Expenses (\$)

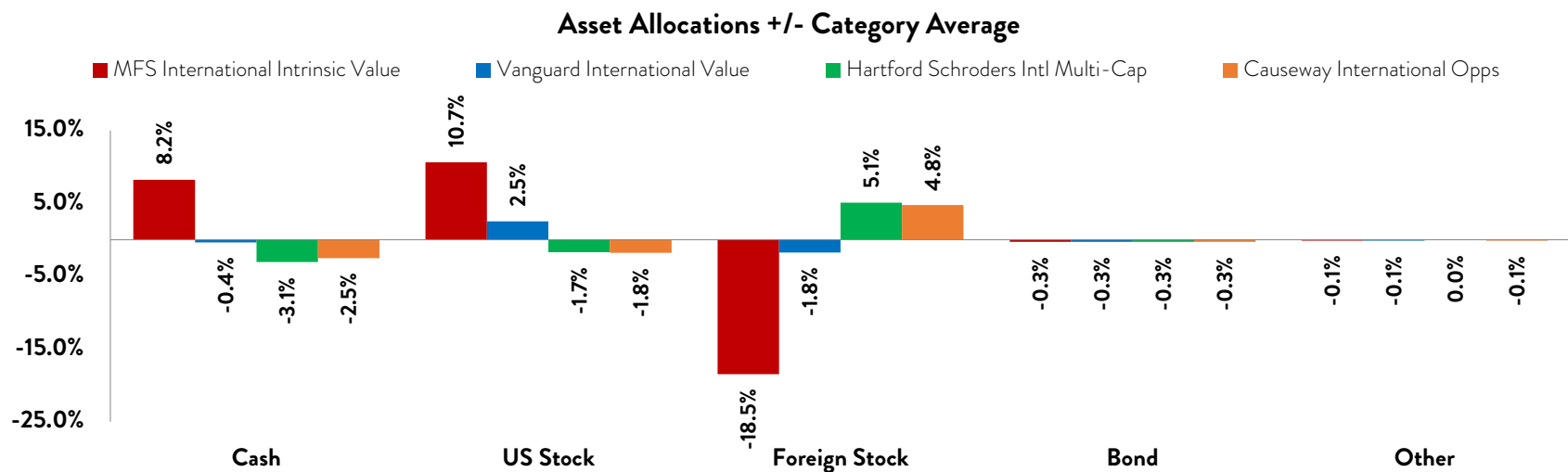
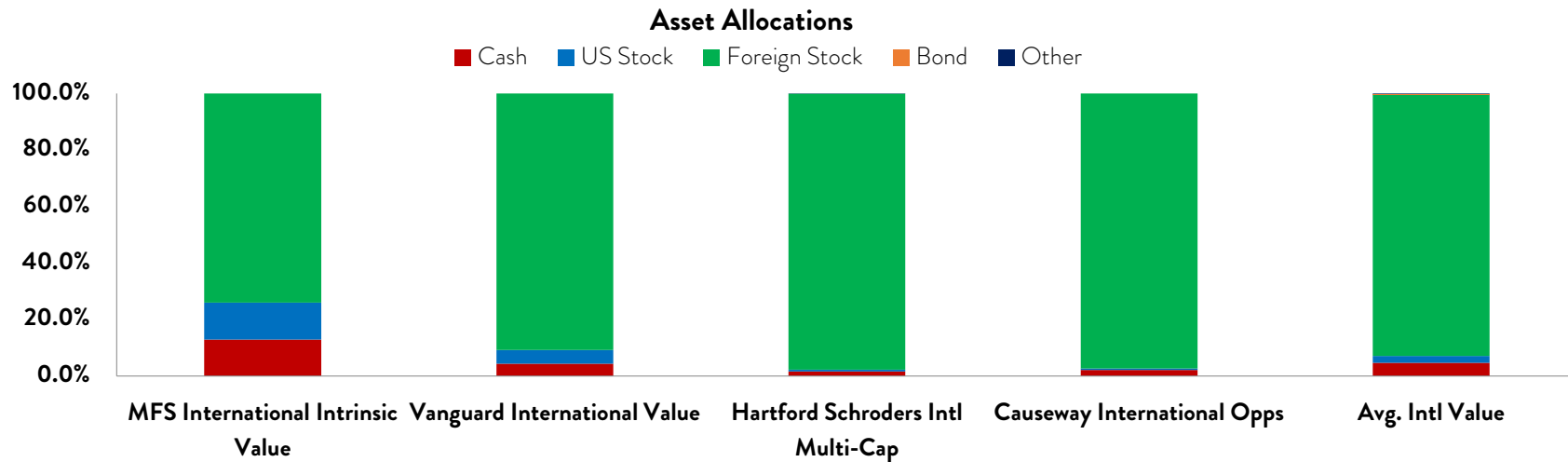


# Section 5

# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

### Section 5: Composition and Performance Analysis



# City of Santa Clara 457 Deferred Compensation Plan

International Value Manager Search Report April 2021

## Sector Weights

	Utilities	Telecom	Info. Tech.	Financials	Healthcare	Cons. Stpls.	Cons. Disc.	Industrials	Materials	Energy
MFS International Intrinsic Value	0.0%	0.0%	29.8%	5.9%	2.5%	28.5%	3.4%	19.7%	9.8%	0.3%
Vanguard International Value	3.0%	7.4%	9.0%	19.1%	4.4%	7.5%	13.1%	19.7%	12.6%	4.4%
Hartford Schroders Intl Multi-Cap	2.0%	9.2%	10.8%	18.9%	11.1%	6.4%	11.1%	11.1%	11.4%	8.1%
Causeway International Opps	2.5%	4.0%	14.6%	22.3%	9.6%	6.5%	11.8%	17.5%	7.6%	3.6%
MSCI ACWI Ex USA Value	5.2%	6.9%	6.6%	33.6%	5.3%	7.1%	9.5%	10.0%	9.1%	6.8%

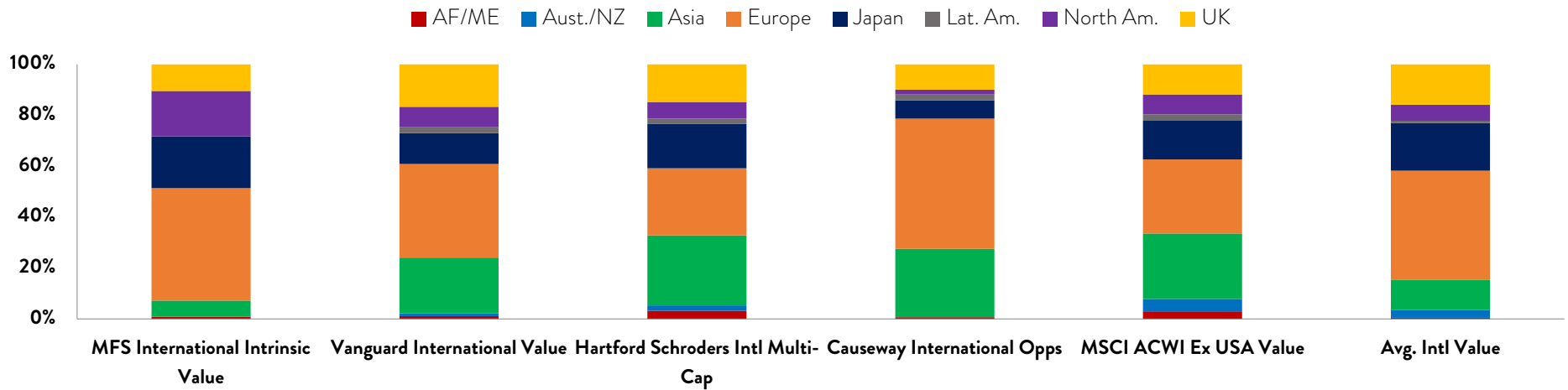
## +/- Sector Weights

	Utilities	Telecom	Info. Tech.	Financials	Healthcare	Cons. Stpls.	Cons. Disc.	Industrials	Materials	Energy
MFS International Intrinsic Value	-5.2%	-6.9%	23.3%	-27.7%	-2.8%	21.4%	-6.0%	9.8%	0.7%	-6.5%
Vanguard International Value	-2.3%	0.5%	2.4%	-14.5%	-1.0%	0.4%	3.6%	9.7%	3.5%	-2.4%
Hartford Schroders Intl Multi-Cap	-3.2%	2.3%	4.2%	-14.7%	5.8%	-0.7%	1.6%	1.2%	2.3%	1.3%
Causeway International Opps	-2.7%	-2.9%	8.0%	-11.2%	4.3%	-0.6%	2.3%	7.6%	-1.5%	-3.2%
MSCI ACWI Ex USA Value	-	-	-	-	-	-	-	-	-	-

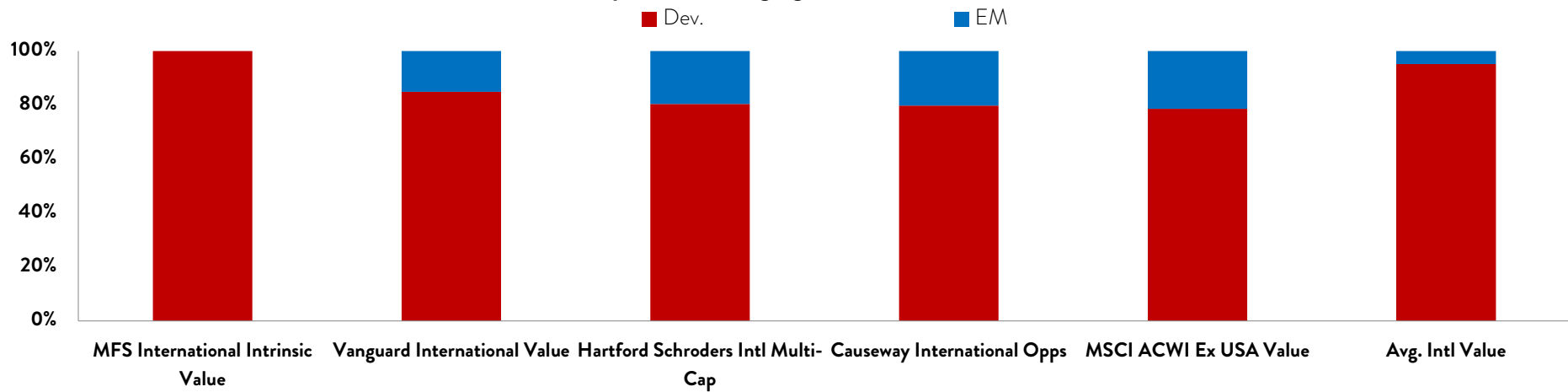
# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

### Regional Allocations as % of Stock



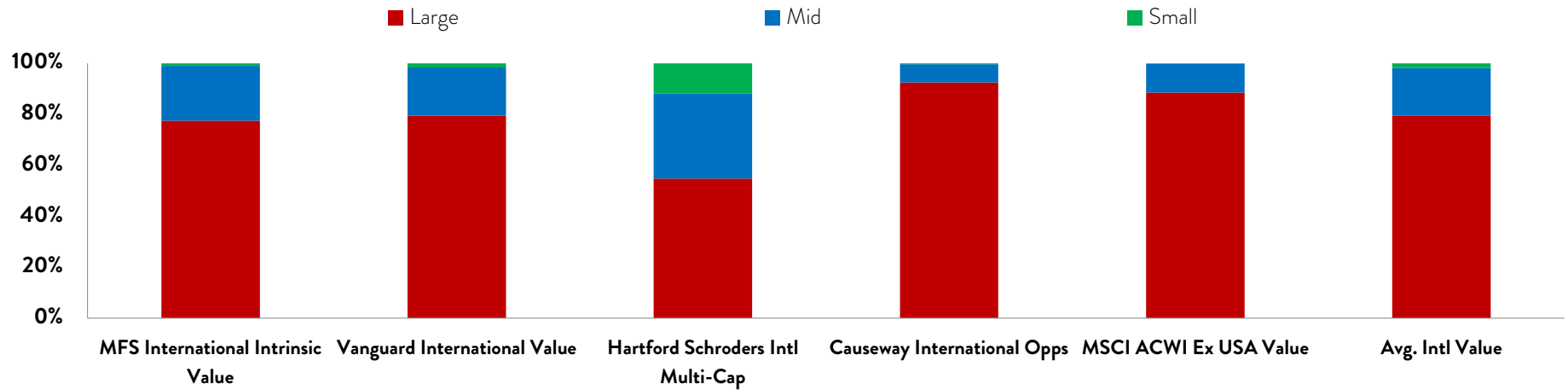
### Developed and Emerging Markets as % of Stock



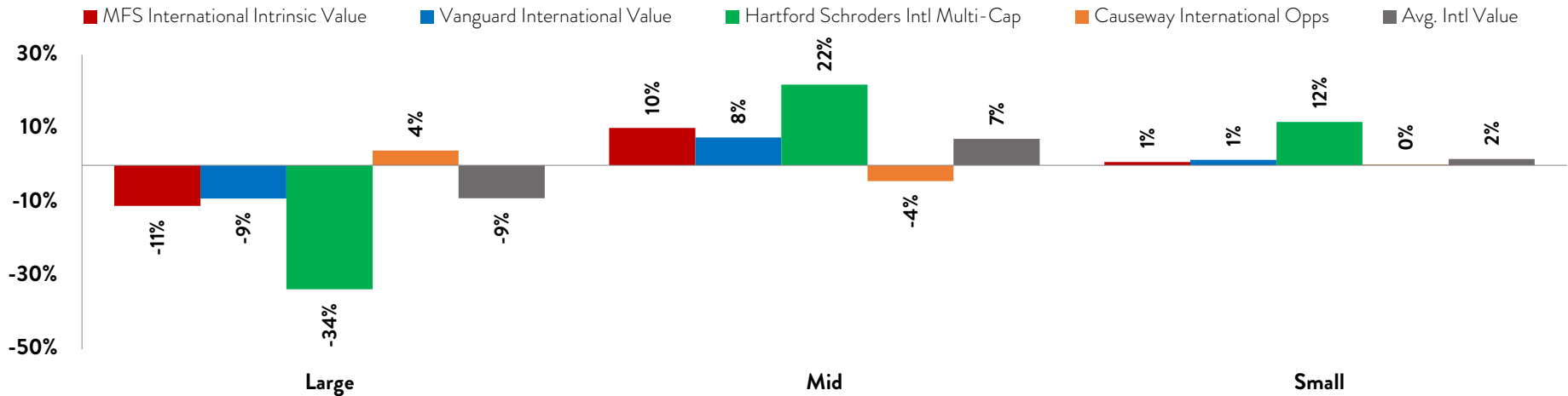
# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

Size Allocations as % of Stock



Size Allocations +/- Index



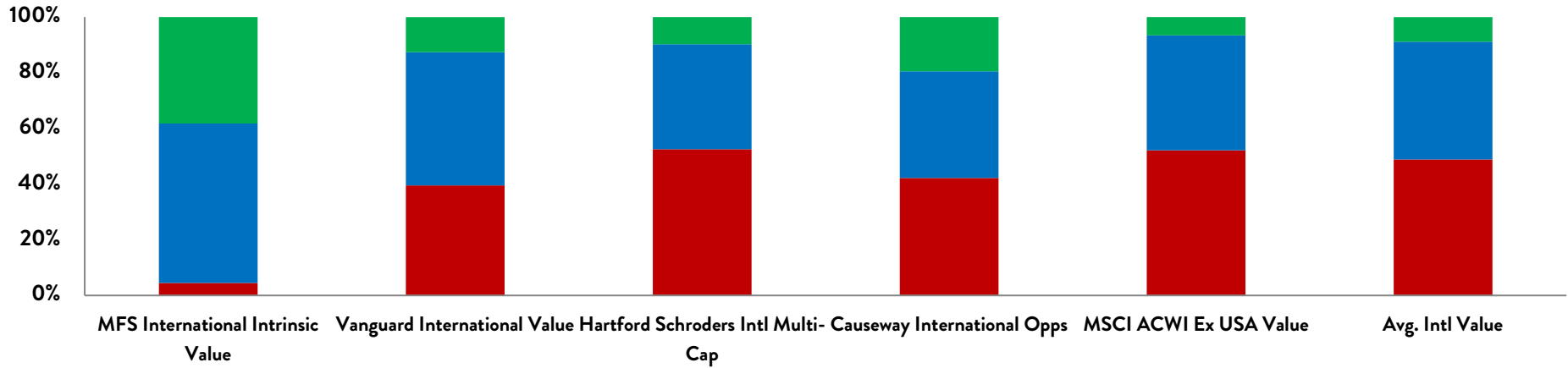


# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

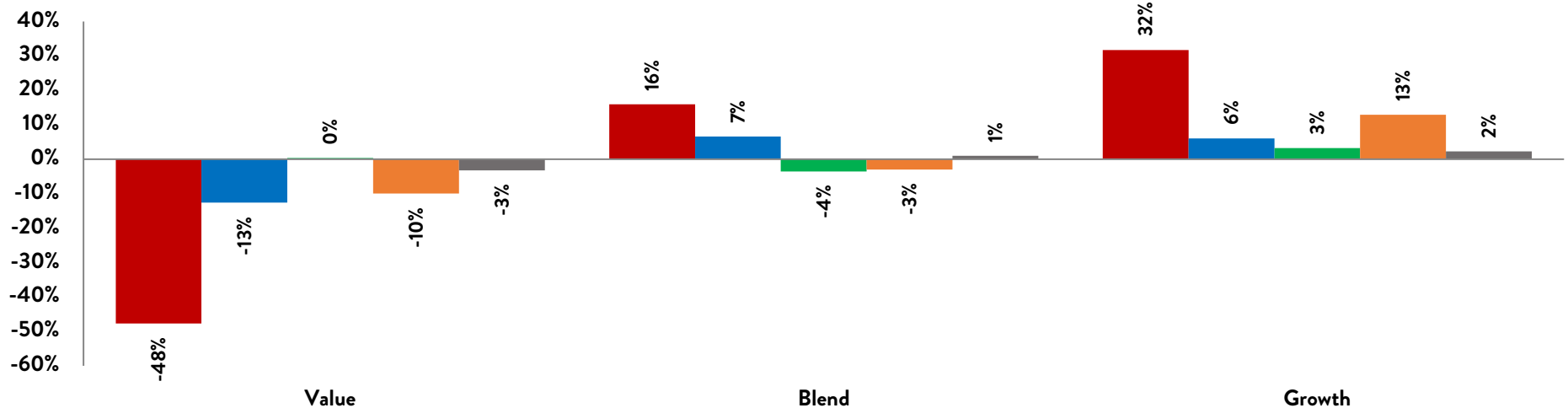
**Style Allocations as % of Stock**

■ Value ■ Blend ■ Growth



**Style Allocations +/- Index**

■ MFS International Intrinsic Value ■ Vanguard International Value ■ Hartford Schroders Intl Multi-Cap ■ Causeway International Opps ■ Avg. Intl Value



# Section 6

# MFS International Intrinsic Value

## Fund Fact Sheet - March 31, 2021

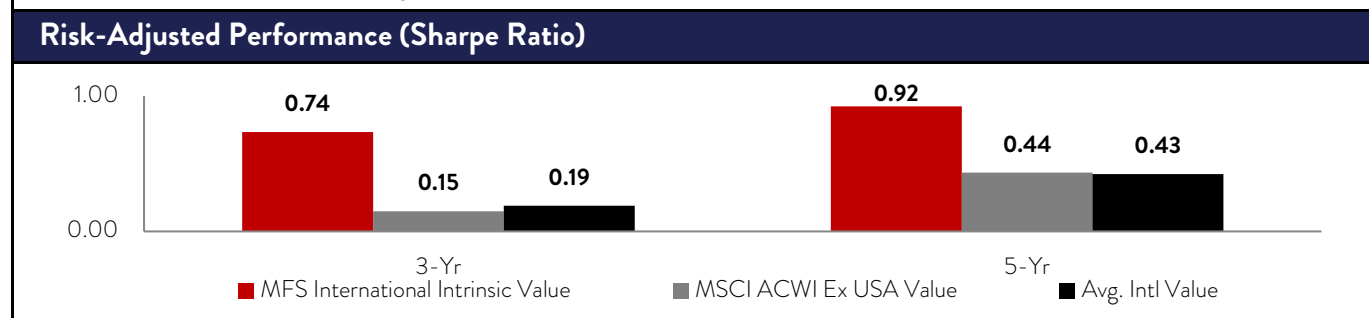
Operations	
Ticker:	MINJX
CUSIP:	552746349
Share Class:	Retirement
Legal Structure:	Open Ended Investment Company
Investment Type:	Open-End Fund

Management	
Advisor:	Massachusetts Financial Services Company
Sub-Advisor:	None
Senior Manager:	Benjamin Stone
Year Started:	2008

Expenses	
Prospectus Net Exp. Ratio:	0.63%
Annual Report Exp. Ratio:	0.62%
Management Fee:	0.61%
12b-1:	0.00%
Redemption Fee %:	0.00%

Size & Flows (\$m)	
Fund Size:	\$31,384
Est. 1-Year Flows:	(\$2,962)
as % of Current Size:	-9%
x Management Fee:	(\$18)
Est. 3-Year Flows:	(\$7,874)
as % of Current Size:	-25%
x Management Fee:	(\$48)
# of Holdings:	101
% in Top 10 Holdings:	31%
# of Stocks:	92
Est. \$m per Stock:	\$341
< 5% of Company	\$6,823

Performance						
	Qtr	YTD	1Yr	3Yr	5Yr	10 Yr
MFS International Intrinsic Value	-1.72	-1.72	36.90	11.05	11.95	10.82
MSCI ACWI Ex USA Value	7.06	7.06	48.68	2.40	7.25	3.02
+/- Index	(8.78)	(8.78)	(11.78)	8.66	4.71	7.79
Ranking	100	100	90.909091	1.2779553	1	1
	2020	2019	2018	2017	2016	2015
MFS International Intrinsic Value	20.56	25.99	-8.89	27.25	4.31	6.85
MSCI ACWI Ex USA Value	-0.77	15.71	-13.97	22.66	8.92	-10.06
+/- Index	21.33	10.28	5.08	4.59	(4.61)	16.91
Ranking	1	1	2	12	21	2



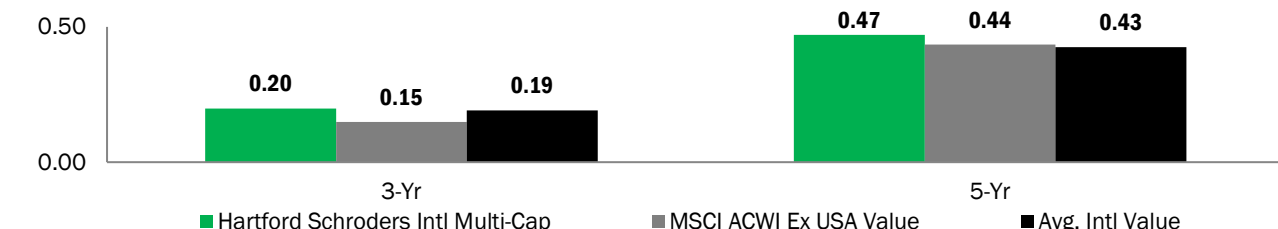
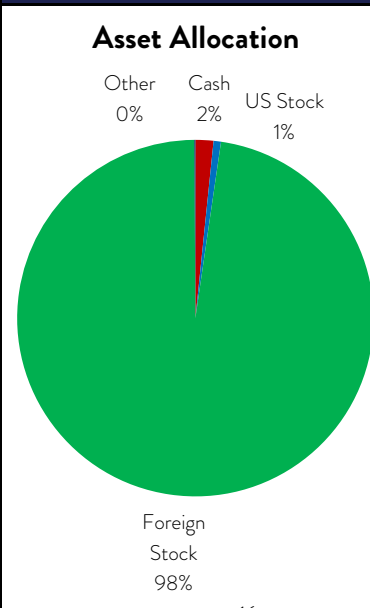
Composition		Sector		+/- Idx.		Size/Style		+/- Idx.	
<b>Asset Allocation</b> 	Energy	0%	-6%	Large Value	3%	-43%			
	Materials	10%	1%	Large Blend	47%	10%			
	Industrials	20%	10%	Large Growth	28%	22%			
	Cons. Disc.	3%	-6%	Mid Value	1%	-5%			
	Cons. Stpls.	28%	21%	Mid Blend	10%	6%			
	Healthcare	3%	-3%	Mid Growth	10%	9%			
	Financials	6%	-28%	Small Value	1%	0%			
	Info. Tech.	30%	23%	Small Blend	0%	0%			
	Telecom	0%	-7%	Small Growth	0%	0%			
	Utilities	0%	-5%	<b>Total Large</b>	<b>77%</b>	<b>-11%</b>			
	<b>Total:</b>	<b>100%</b>	<b>0%</b>	<b>Total Value</b>	<b>4%</b>	<b>-48%</b>			



# Hartford Schroders Intl Multi-Cap

## Fund Fact Sheet - March 31, 2021

Operations	
Ticker:	SIDRX
CUSIP:	41665H359
Share Class:	Retirement
Legal Structure:	Open Ended Investment Company
Investment Type:	Open-End Fund
Management	
Advisor:	Hartford Funds Management Company, LLC
Sub-Advisor:	None
Senior Manager:	Justin Abercrombie
Year Started:	2006
Expenses	
Prospectus Net Exp. Ratio:	0.76%
Annual Report Exp. Ratio:	0.76%
Management Fee:	0.70%
12b-1:	0.00%
Redemption Fee %:	0.00%
Size & Flows (\$m)	
Fund Size:	\$2,455
Est. 1-Year Flows:	(\$33)
as % of Current Size:	-1%
x Management Fee:	(\$0)
Est. 3-Year Flows:	\$504
as % of Current Size:	21%
x Management Fee:	\$4
# of Holdings:	1014
% in Top 10 Holdings:	11%
# of Stocks:	985
Est. \$m per Stock:	\$2
< 5% of Company	\$50

Performance							
	Qtr	YTD	1Yr	3Yr	5Yr	10 Yr	
Hartford Schroders Intl Multi-Cap	8.57	8.57	52.18	3.42	7.65	4.88	
MSCI ACWI Ex USA Value	7.06	7.06	48.68	2.40	7.25	3.02	
+/- Index	1.51	1.51	3.49	1.02	0.40	1.86	
Ranking	28	28	42	45	37	27	
	2020	2019	2018	2017	2016	2015	
Hartford Schroders Intl Multi-Cap	1.14	18.56	-15.23	23.27	8.94	-4.56	
MSCI ACWI Ex USA Value	-0.77	15.71	-13.97	22.66	8.92	-10.06	
+/- Index	1.92	2.85	(1.26)	0.61	0.02	5.51	
Ranking	50	41	44	46	17	46	
Risk-Adjusted Performance (Sharpe Ratio)							
							
Composition							
Asset Allocation		Sector	+/- Idx.	Size/Style	+/- Idx.		
		Energy	8%	1%	Large Value	29%	-17%
		Materials	11%	2%	Large Blend	21%	-16%
		Industrials	11%	1%	Large Growth	5%	0%
		Cons. Disc.	11%	2%	Mid Value	18%	12%
		Cons. Stpls.	6%	-1%	Mid Blend	12%	8%
		Healthcare	11%	6%	Mid Growth	3%	3%
		Financials	19%	-15%	Small Value	6%	6%
		Info. Tech.	11%	4%	Small Blend	5%	5%
		Telecom	9%	2%	Small Growth	1%	1%
		Utilities	2%	-3%	<b>Total Large</b>	<b>55%</b>	<b>-34%</b>
		<b>Total:</b>	<b>100%</b>	<b>0%</b>	<b>Total Value</b>	<b>53%</b>	<b>0%</b>

# Causeway International Opps

## Fund Fact Sheet - March 31, 2021

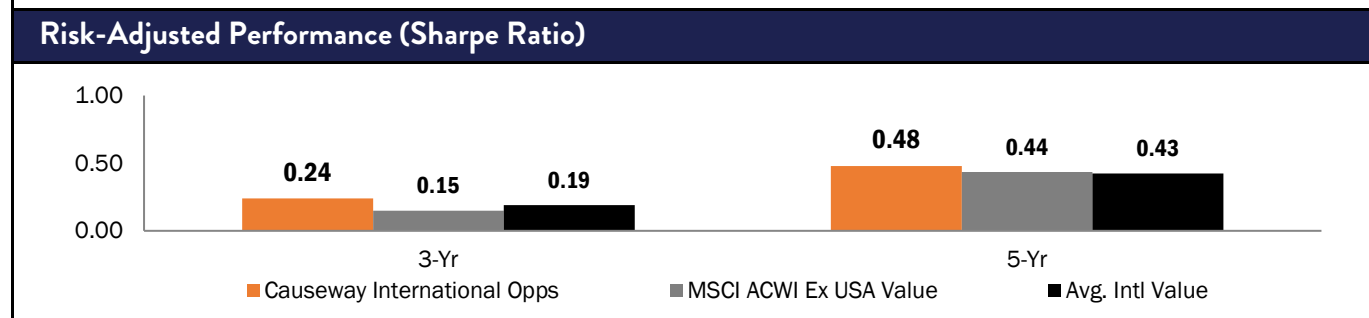
Operations	
Ticker:	CIOIX
CUSIP:	14949Q107
Share Class:	Inst
Legal Structure:	Open Ended Investment Company
Investment Type:	Open-End Fund

Management	
Advisor:	Team
Sub-Advisor:	None
Senior Manager:	Team
Year Started:	2009

Expenses	
Prospectus Net Exp. Ratio:	0.95%
Annual Report Exp. Ratio:	0.95%
Management Fee:	0.80%
12b-1:	0.00%
Redemption Fee %:	0.00%

Size & Flows (\$m)	
Fund Size:	\$265
Est. 1-Year Flows:	\$19
as % of Current Size:	7%
x Management Fee:	\$0
Est. 3-Year Flows:	\$63
as % of Current Size:	24%
x Management Fee:	\$1
# of Holdings:	169
% in Top 10 Holdings:	24%
# of Stocks:	165
Est. \$m per Stock:	\$2
< 5% of Company	\$32

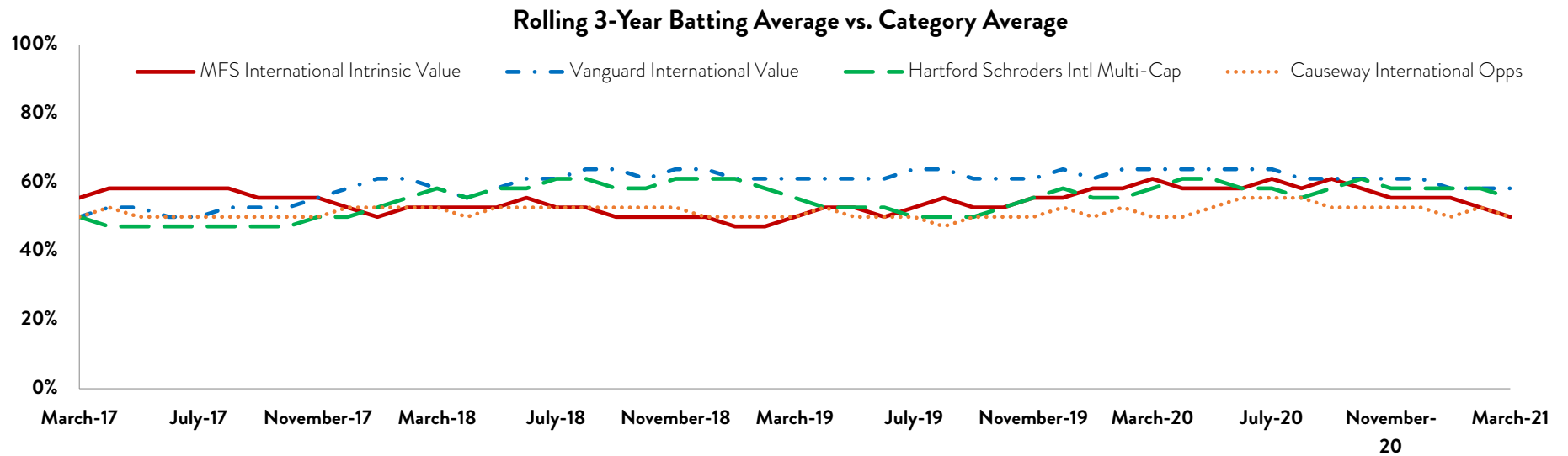
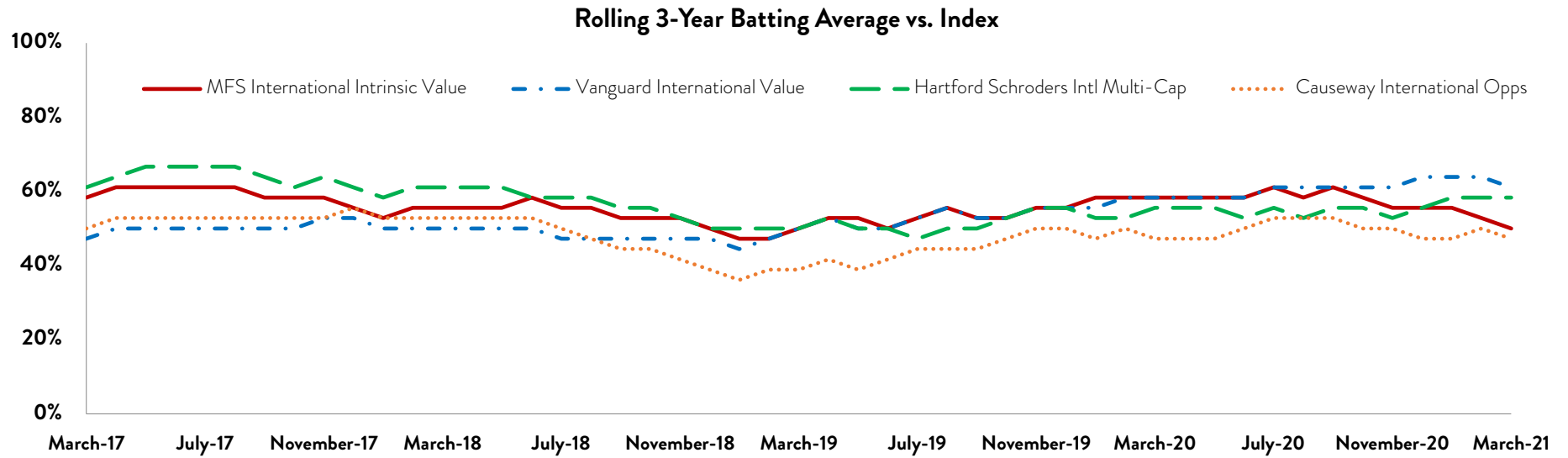
Performance						
	Qtr	YTD	1Yr	3Yr	5Yr	10 Yr
Causeway International Opps	6.37	6.37	61.94	4.38	8.64	4.98
MSCI ACWI Ex USA Value	7.06	7.06	48.68	2.40	7.25	3.02
+/- Index	(0.69)	(0.69)	13.25	1.98	1.40	1.96
Ranking	59	59	13	27	17	25
	2020	2019	2018	2017	2016	2015
Causeway International Opps	5.44	21.71	-18.41	29.57	1.99	-6.11
MSCI ACWI Ex USA Value	-0.77	15.71	-13.97	22.66	8.92	-10.06
+/- Index	6.22	5.99	(4.44)	6.91	(6.92)	3.95
Ranking	19	13	83	6	66	62



Composition					
	Sector	+/- Idx.	Size/Style	+/- Idx.	
<p><b>Asset Allocation</b></p> <p>Cash 2% US Stock 1% Foreign Stock 97%</p>	Energy	4%	Large Value	38%	
	Materials	8%	Large Blend	37%	
	Industrials	18%	Large Growth	18%	
	Cons. Disc.	12%	Mid Value	4%	
	Cons. Stpls.	7%	Mid Blend	2%	
	Healthcare	10%	Mid Growth	2%	
	Financials	22%	Small Value	0%	
	Info. Tech.	15%	Small Blend	0%	
	Telecom	4%	Small Growth	0%	
	Utilities	3%	<b>Total Large</b>	<b>93%</b>	
	<b>Total:</b>	<b>100%</b>	<b>0%</b>	<b>Total Value</b>	<b>42%</b>
					<b>-10%</b>

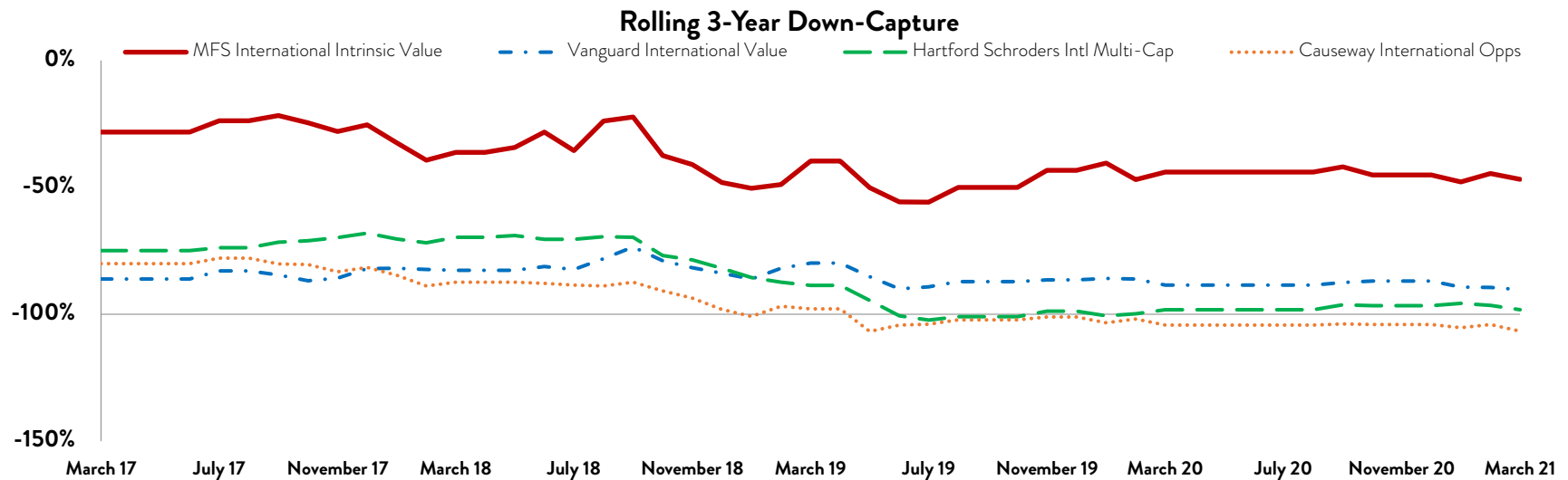
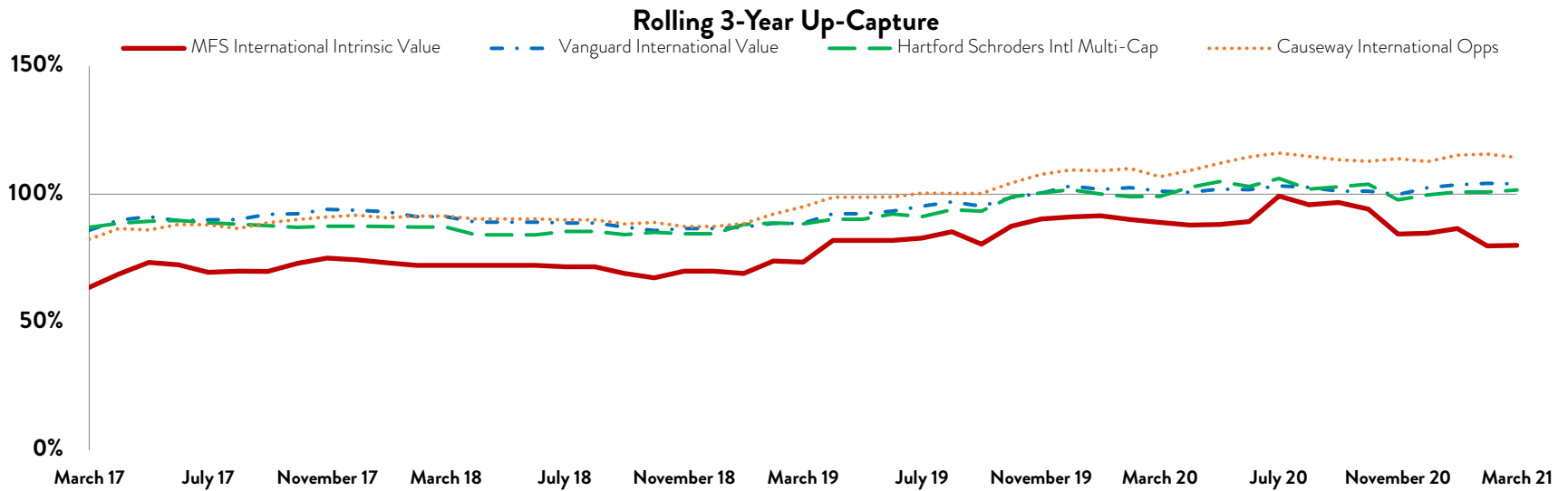
# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021



# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

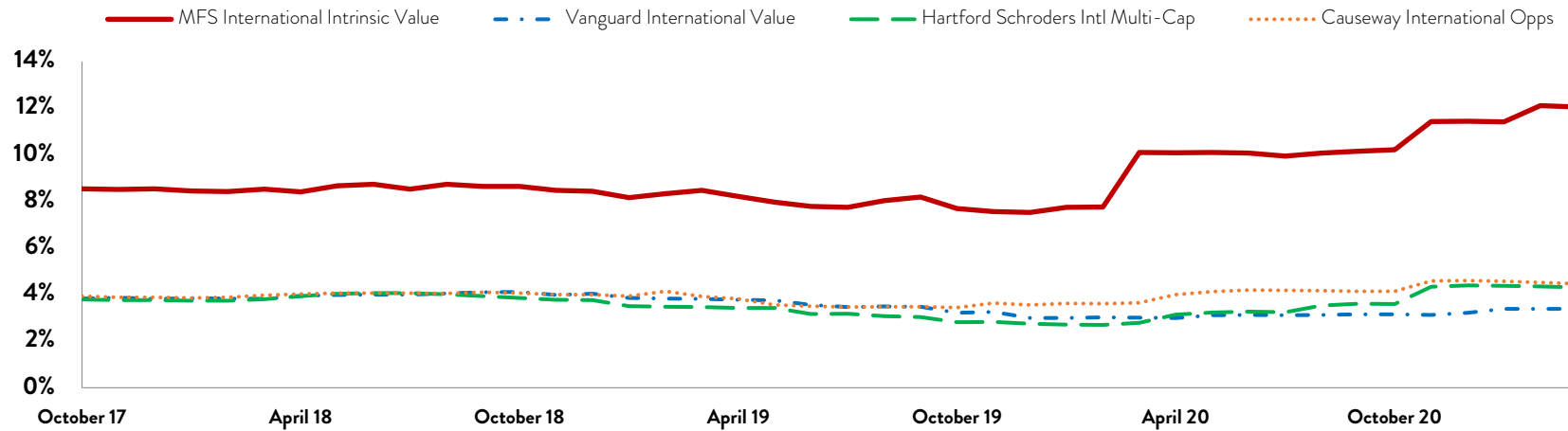




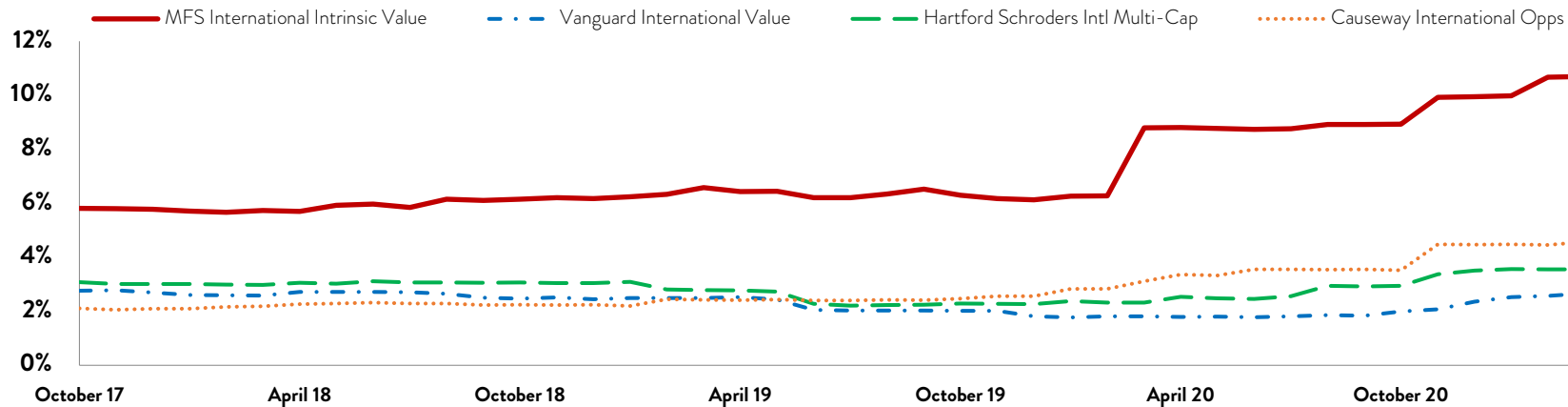
# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

### Rolling 3-Year Tracking Error vs. Index

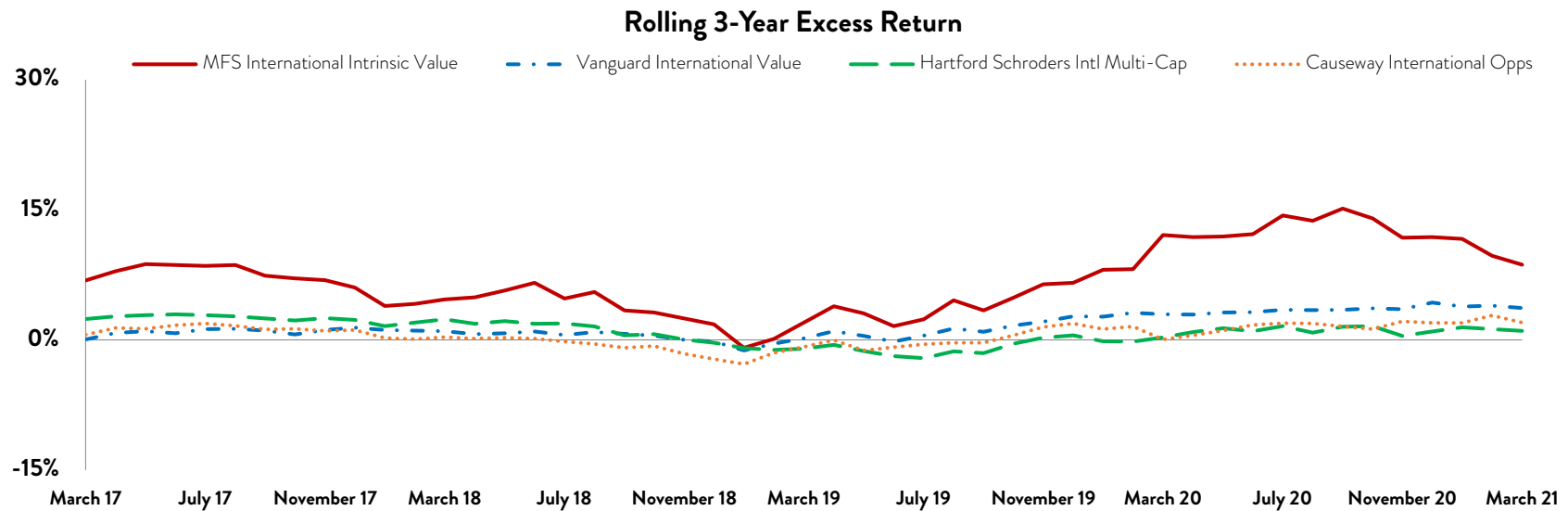
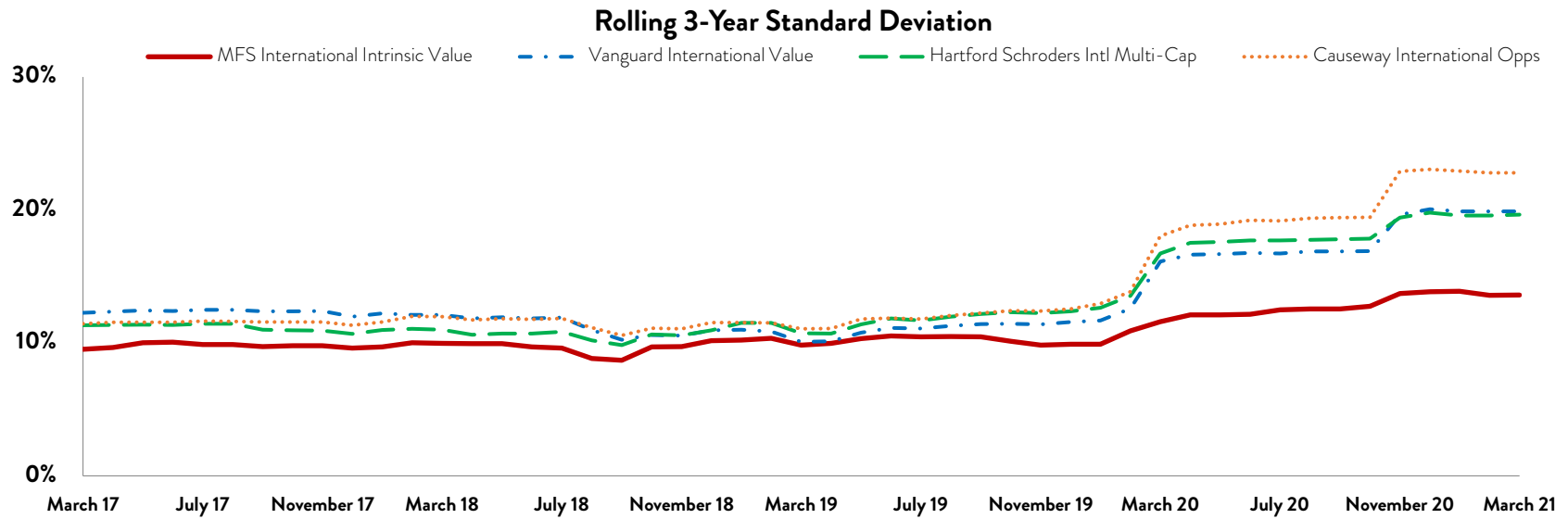


### Rolling 3-Year Tracking Error vs. Category Average



# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021



# Section 7

# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

---

### Section 7: Glossary

#### Investment Terms

##### **Fixed Income:**

A fund that invests primarily in bonds and other fixed-income securities, often to provide shareholders with current income. Peer groups within this asset class may include, but are not limited to, Intermediate-Term, Money Market, Stable Value, Inflation-Protected, High Yield, Global, and others.

##### **Large Cap:**

A fund that invests in stocks of companies with large market capitalizations, typically starting at \$10 billion. Large Caps tend to be well-established companies, so their stocks typically entail less volatility and more current income than Small Caps, but also offer less potential for dramatic growth. A Large Cap fund may pursue an investment style such as growth, value, or a combination of the two (often referred to as Core or Blend) and be placed within a corresponding peer group.

##### **Mid Cap:**

A fund that invests in stocks of companies with medium market capitalizations, typically ranging between \$2 billion and \$10 billion. Mid Caps are often considered to offer more growth potential than Large Caps (but less than Small Caps) and less risk than Small Caps (but more than Large Caps). A Mid Cap fund may pursue an investment style such as Growth, Value, or a combination of the two (often referred to as Core or Blend) and be placed within a corresponding peer group.

##### **Small Cap:**

A fund that invests in stocks of companies with small market capitalizations, typically no higher than \$2 billion. Small Caps are often considered to offer more growth potential, but less current income than Large Caps and Mid Caps, and with more risk. A Small Cap fund may pursue an investment style such as Growth, Value, or a combination of the two (often referred to as Core or Blend) and be placed within a corresponding peer group.

##### **International Stock:**

A fund that invests primarily in the stocks of companies located, or with revenues derived from, outside of the United States. An International fund may pursue an investment style such as Growth, Value, or a combination of the two (often referred to as Core or Blend) and be placed within a corresponding peer group. Additional peer groups may include, but are not limited to, Global, Emerging Markets, and others.

##### **Asset Allocation:**

A fund that pursues a method of investing by which the manager include a range of different investment classes such as bonds, stocks, cash, alternative investments, and others in their portfolios. Peer groups within this asset class may include, but are not limited to Conservative Allocation, Moderate Allocation, Aggressive Allocation, Target Date, Life Cycle and others.

##### **Growth (investment style):**

A fund that invests primarily in the stocks of companies appearing to have relatively high growth prospects relative to their asset class. These companies often pay relatively low current income as most earnings are reinvested in the pursuit of higher future growth. These companies may also trade at relatively high valuations (such as price-to-earnings or price-to-sales) as investors may be willing to pay a “premium” to benefit from the company’s expected future growth.

##### **Value (investment style):**

A fund that invests primarily in the stocks of companies appearing be attractively priced by assorted metrics (such as price-to-earnings, price-to-sales, dividend yield, and others). These companies typically distribute a greater portion of their cash flows to shareholders than growth companies and as such will typically pay higher current income.

##### **Blend/Core (investment style):**

A fund that incorporates a comparable amount of Growth and Value investment styles into its investment management.

# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

---

### **Operational Terms**

#### **CUSIP:**

A nine character code that represents most securities, including the type of security. A CUSIP can be used to expedite settlement of securities transactions.

#### **Expense Ratio:**

A measure of what it costs to operate an investment, expressed as a percentage of its assets or in basis points. These are costs the investor pays through a reduction in the investment's value.

#### **Mutual Fund:**

An investment company that gathers money from individual investors for the purchase of securities, such as stocks, bonds, or cash equivalents. Investors own shares of the mutual funds but do not own the underlying securities. Shares of mutual funds can typically be redeemed on an end-of-day basis for the net asset value of the underlying securities, minus any applicable fees.

#### **Redemption Fee:**

A fee collected by an investment company for selling out of a fund within a specified time period, typically 30 days. The fee is established to discourage short-term trading and is redistributed to any remaining fund investors.

#### **Revenue Share:**

A portion of a fund's expense ratio that may be used to pay plan expenses for certain retirement plans.

#### **Share Class:**

Some investment funds and companies offer more than one type or group of shares, each of which is considered a class (e.g., "Class A," "Advisor" or "Institutional" shares). For most investment funds each class has different fees and expenses but all of the classes invest in the same pool of securities and share the same investment objectives.

#### **Ticker:**

A five-letter code, often used for trading purposes, that represents a particular mutual fund.

# City of Santa Clara 457 Deferred Compensation Plan

## International Value Manager Search Report April 2021

---

### Statistical Terms

#### **Batting Average:**

How frequently a fund outperformed its benchmark given a certain time period and periodicity of returns.

#### **Beta:**

A statistical measure of an investment's volatility and degree of co-movement relative to its benchmark. A beta of 1.0 implies that an investment has, or has exhibited the same degree of volatility as its benchmark and has tended to closely track the performance of its benchmark. A beta that is above (below) 1 implies that an investment has exhibited higher (lower) overall volatility than its benchmark. Beta is often viewed as indicative of an investment's sensitivity to "systematic" or market risk.

#### **R-Squared ( $R^2$ ):**

A statistical measurement of how much of an investment's returns are explained by another set of returns, typically that of a benchmark. An  $R^2$  of 1.0 (0.0) implies that 100% (0%) of an investment's returns are explained by its benchmark and provides an indication as to what degree the investment might be expected to move in step with its benchmark.

#### **Sharpe Ratio:**

A measure of risk-adjusted returns. The Sharpe Ratio is the ratio of an investment's excess return (typically versus its index or a "risk-free" investment such as Treasury Bills) relative to its standard deviation for the corresponding period. A high (low) Sharpe Ratio indicates that an investment has provided a high (low) amount of excess return relative to the amount of risk it has incurred in doing so.

#### **Standard Deviation:**

A statistical measurement of how an investment's returns have tended to fluctuate around their average. A higher standard deviation implies a broader range of returns relative to an average and thereby a higher degree of investment risk. Assuming a normal distribution, approximately 95% of an investment's returns should fall within two standard deviations of its average for the corresponding time period and periodicity.

#### **Tracking Error:**

Tracking error is a measurement of the volatility of the difference between an investment's returns versus those of its benchmark. Given a certain periodicity of returns (such as monthly or quarterly), tracking error measures the volatility of the difference of the investment's and the benchmark's periodic returns within a specified time period. Annualized tracking error above 6% is generally viewed as high.

#### **Up (Down) Capture Ratio:**

Up (down) capture compares an investment's upside (downside) performance relative to that of its benchmark when the benchmark was returning positive (negative). Up (down) capture is expressed in percentage terms. For example, an investment with 120% Up Capture has, in relative terms, provided 20% more returns than the benchmark in periods of rising markets.



# City of Santa Clara

1500 Warburton Avenue  
Santa Clara, CA 95050  
santaclaraca.gov  
@SantaClaraCity

## Agenda Report

---

21-703

Agenda Date: 5/17/2021

---

### REPORT TO DEFERRED COMPENSATION COMMITTEE

#### SUBJECT

Annual Fiduciary Training

#### DISCUSSION

This is an informational report to the Committee describing the fiduciary training provided by the Hyas Group.

As this is an informational report only, no action is taken by the Committee.

1. Hyas - City of Santa Clara - Investment Fundamentals for Fiduciaries (May 2021)



HYAS GROUP

— INVESTMENT ADVISORS —

# INVESTMENT FUNDAMENTALS FOR FIDUCIARIES

City of Santa Clara

---

May 2021



# AGENDA

- › Economic Indicators
- › Bond Market
- › Stock Market
- › Active vs. Passive
- › Asset Allocation Funds

*This presentation is provided by the Hvas Group, LLC and should not be construed as legal advice or legal opinion on any specific facts or circumstances. The contents are intended for general information purposes only, and you are urged to consult a lawyer concerning your own situation and any specific legal questions you may have. ©2021 Hvas Group, LLC. All Rights Reserved.*

# ECONOMIC INDICATORS

## Gross Domestic Product (GDP):

- › The monetary value of all finished goods and services produced within a country's borders in a specific time period (though usually calculated on an annual basis, it is also calculated on a quarterly basis)
- › Computed generally by adding consumption, investment, spending and exports
- › A healthy economy is when GDP is typically 2-3%
- › Historical GDP:
  - › 2019 was 2.3% annually
  - › 2020 was Q1 -5.0%, Q2 -31.4%, Q3 33.4%, and Q4 4.3%
  - › Q1 2021 was 6.4%
  - › 2009 was -2.8% annually
  - › 1941, 1942 and 1943 saw increases of 17% or more annually
  - › 1932 saw a drop of nearly 13% annually

# ECONOMIC INDICATORS

## Unemployment Rate:

- › The measure of unemployed people
- › Expressed as a percentage
- › Calculated by dividing the number of unemployed by all in the work force
- › The natural rate is a combination of frictional, structural, and surplus unemployment
- › A healthy unemployment rate is also called full employment
  - › Typically measured as between 4.5% and 6.0%
- › Historical unemployment:
  - › 2019 averaged 3.7%
  - › 2020 averaged 8.1% (January and February hit 3.5% while April 2020 hit 14.8%)
  - › March 2021 saw a national average of 6.0%
  - › 2009 averaged 10.0% and 1982 averaged 10.8%
  - › 1953 averaged 2.6%

# ECONOMIC INDICATORS

## Consumer Price Index (CPI):

- › The measure of the average change over time in the prices paid by urban consumers for a market basket of consumer goods and services
- › Generally mistakenly called inflation since can also be deflationary
- › Also expressed as a percentage
- › Core CPI excludes food and energy
- › Historical CPI:
  - › Averaged 3.2% annually in the post-war period
  - › Shot to 7.7% in 1973
  - › In 1975, hit 9.1% (the highest rate since 1947)
  - › 1979 reached 11.3%
  - › 1980 topped at 13.5%

# BOND MARKET

## Fixed Income Securities are More Conservative than Stocks:

- › Return potential is lower but so is volatility
- › As interest rates rise, the value of existing bonds decrease
- › The federal funds rate was approximately 11% in 1979 and 20% in 1981
- › Companies and governments issue debt
  - › Promise to repay loan at a later date
  - › Typically comes with a coupon or interest
- › Investment grade and speculative grade
  - › The higher the risk, the higher the interest to compensate investors
  - › Less than investment grade is called junk

# STOCK MARKET

**Market capitalization (or cap) simply means a company's value:**

- › Take the total number of shares outstanding and multiply that by the share price:

Apple      16.8 billion      x      \$125.90 =      \$2.1 trillion

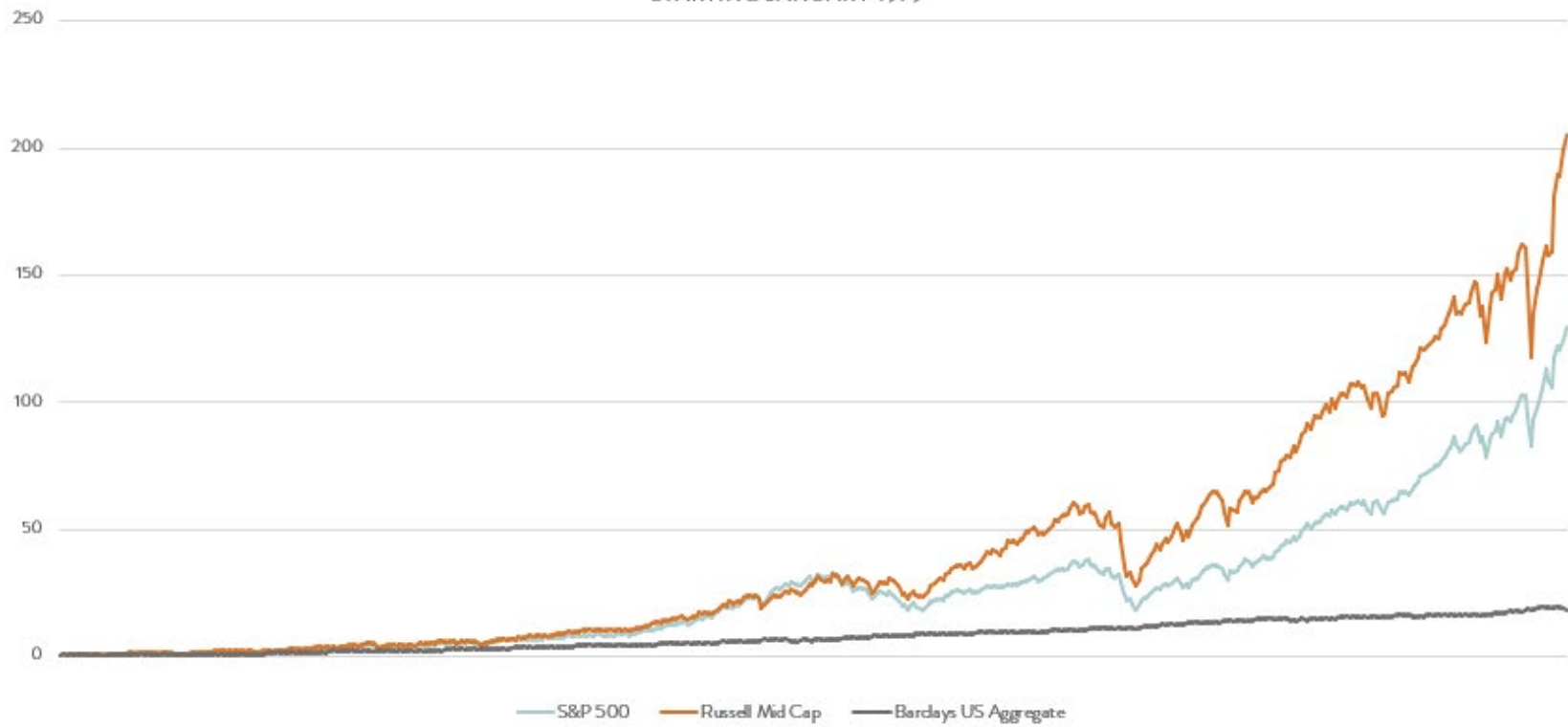
- › Large Cap is generally a valuation of \$10 billion or more
- › Mid Cap is a valuation between \$2 billion and \$10 billion
- › Small Cap is a valuation under \$2 billion

# INTERNATIONAL STOCKS

- › Developed Markets (EAFE)
  - › Advanced in terms of economy and/or capital markets
  - › Relatively high income
  - › More formal regulatory bodies
  - › Liquid investment markets with free and well-developed foreign exchange markets
  - › Open to foreign ownership and ease of capital movement
  - › Efficient market institutions
  
- › Developing Markets (EM)
  - › Fast growing economy and becoming more industrialized
  - › Lower incomes and higher sociopolitical instability
  - › Lower levels of business activity
  - › Dependent upon manufacturing (exports) and commodities

## DOMESTIC GROWTH OF \$1

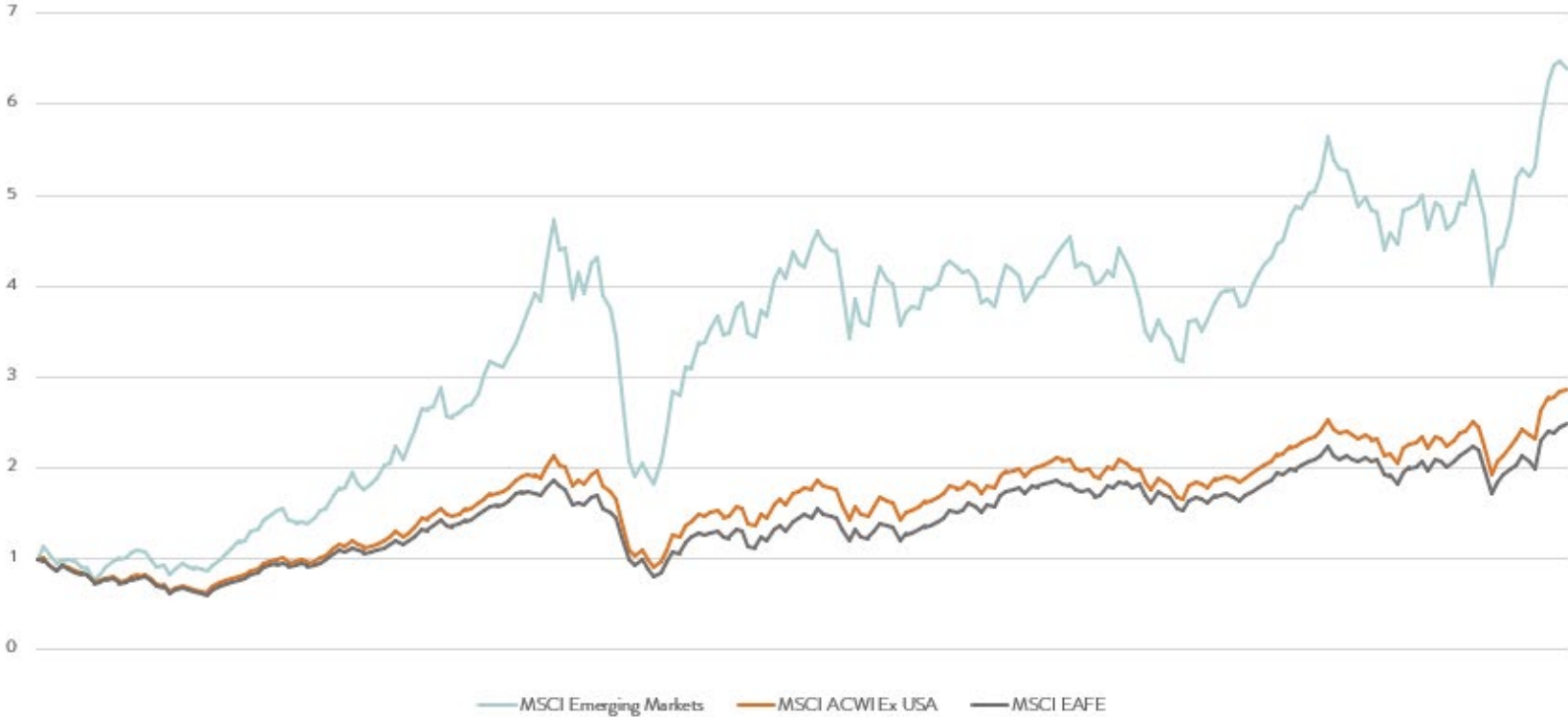
STARTING JANUARY 1979





# INTERNATIONAL GROWTH OF \$1

STARTING JANUARY 2000



# DEVELOPED

- > Australia
- > Austria
- > Belgium
- > Canada
- > Denmark
- > Finland
- > France
- > Germany
- > Hong Kong
- > Ireland
- > Israel
- > Italy
- > Japan
- > Netherlands
- > New Zealand
- > Norway
- > Portugal
- > Singapore
- > Spain
- > Sweden
- > Switzerland
- > United Kingdom

# DEVELOPING

- > Argentina
- > Brazil
- > Chile
- > China
- > Colombia
- > Czech Republic
- > Egypt
- > Greece
- > Hungary
- > India
- > Indonesia
- > Korea
- > Malaysia
- > Mexico
- > Pakistan
- > Peru
- > Philippines
- > Poland
- > Qatar
- > Russia
- > South Africa
- > Taiwan
- > Thailand
- > Turkey
- > United Arab Emirates

# ACTIVE VS. PASSIVE

- › Active Investing
  - › Employs a manager, co-managers or a team of subadvisors
  - › Actively seek out securities and/or sectors that will outperform
  - › Portfolio may be very different than their index
  - › Generally more expensive than index funds
  - › Although good managers can outperform an index over the longer term, they may underperform over short periods
- › Passive Investing
  - › Generally employed by index funds
  - › Designed to track an underlying index at a low cost
  - › Achieve this by buying the same securities in the same proportion
  - › Fundamental indexing or market cap weighting

# ASSET ALLOCATION FUNDS

- › Risk-based Models
  - › Conservative funds use mostly bonds and cash
  - › Aggressive funds own a lot more stocks
  - › Also known as static
  - › Participants must make an active choice to move from one asset allocation to another
- › Target Date Portfolios
  - › Generally choose the year (“vintage”) that closely matches your retirement year
  - › Shorter-term vintages own a lot more bonds and cash
  - › Also known as dynamic
  - › Each year, the vintages automatically and gradually get more conservative as the target year approaches



# THANK YOU

---

Vincent Galindo | *Senior Consultant*

[vgalindo@hyasgroup.com](mailto:vgalindo@hyasgroup.com)

971.634.1511