



City of Santa Clara

Meeting Agenda

Deferred Compensation Committee

Thursday, November 19, 2020

10:00 AM

Virtual Meeting

NOTICE IS HEREBY GIVEN that, pursuant to the provisions of California Government Code §54956 ("The Brown Act") and Section 708 of the Santa Clara City Charter, the Chairperson calls for a Special Meeting of the Deferred Compensation Committee of the City of Santa Clara, to commence and convene on Thursday, November 19, 2020, at 10:00 am for a Special Meeting via Zoom Webinar, to consider the following matter(s) and to potentially take action with respect to them.

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.

Join Zoom Meeting

<https://santaclaraca.zoom.us/j/92165505511?pwd=cjhVcEdsNmxsK0dpUnc2TElvWHViQT09>

Meeting ID: 921 6550 5511

Passcode: 781953

+1 669 900 6833 US (San Jose)

CALL TO ORDER AND ROLL CALL

CONSENT CALENDAR

20-1148 [Action to Approve the Deferred Compensation Committee Meeting Minutes of August 20, 2020](#)

Attachments: [Deferred Compensation Committee Minutes of August 20, 2020](#)

PUBLIC PRESENTATIONS

GENERAL BUSINESS

20-1149 [Action to Establish Deferred Compensation Committee Meeting Dates for 2021](#)

20-1151 [Informational Report on Third Quarter 2020 Performance](#)

Attachments: [CSC 3Q 2020 Executive Summary](#)
[CSC 3Q 2020 Performance Report](#)

20-1152 [Informational Report on Plan Review](#)

Attachments: [City of Santa Clara PlanHealthReport_09-30-2020.p](#)
[City of Santa Clara Digital Transformation Overview](#)
[City of Santa Clara Cares Act Summary.xlsx](#)

STAFF REPORT

20-1185 [Informational Report on City Manager Deferred Compensation Committee Member Selection Process](#)

Attachments: [Draft of the City Manager's Committee member appointment process](#)

COMMISSIONERS REPORT

ADJOURNMENT



City of Santa Clara

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

Agenda Report

20-1148

Agenda Date: 11/19/2020

REPORT TO DEFERRED COMPENSATION COMMITTEE

SUBJECT

Action to Approve the Deferred Compensation Committee Meeting Minutes of August 20, 2020

RECOMMENDATION

Approve the Meeting Minutes of August 20, 2020.

City of Santa Clara



**Deferred Compensation Committee Minutes
August 20, 2020**

A meeting of the City of Santa Clara Deferred Compensation Committee (the “Committee”) was held on August 20, 2020.

1. Call to Order and Roll call **Kenn Lee**

Chairperson Lee called the meeting to order at 10:02 AM.

Present: Lee, Orr, Hance, Morgan

Absent: Battagin

2. Action to Approve the May 27, 2020 Deferred Compensation Minutes **Kenn Lee**

Recommendation: Approve the Meeting Minutes of May 27, 2020

A motion was made by Mr. Hance, seconded by Mr. Orr to approved the meeting minutes of May 27, 2020.

Aye: 3 – Lee, Orr, and Hance

Absent: 1 – Battagin

Abstain: 1 - Morgan

3. Informational Report on Second Quarter 2020 Performance **Vincent Galindo
(Hyas Group)**

a. Market Summary

Mr. Galindo provided a presentation on the *City of Santa Clara Retirement Plan for 457 Compensation plan, Second Quarter Performance Report 2020*. No comments from the Committee. No public comment. No action taken on this item.

b. Fund Review

Mr. Galindo provided an overview of the *Investment Policy Statement Compliance Report* and an overview of all the fund performance. A discussion was held by the committee. No public comment. No action taken on this item.

c. Fee and Revenue Analysis

Mr. Galindo provided an overview of the *Plan Fee Analysis*. A discussion was held by the committee. No public comment. No action taken on this item.

4. **Informational Report - Nationwide Plan Review**

**Jake Sours
(Nationwide)**

a. **Quarterly Plan Health Report**

Mr. Sours provided a summary of the *City's Plan Health Report*. A discussion was held by the committee. No public comment. No action taken on this item.

b. **CARES Act**

Mr. Sours provided an overview of the CARES Act information. A discussion was held by the committee. No public comment. No action taken on this item.

c. **Participant Education**

Mr. Sours provided a summary of participant education. A discussion was held by the committee. No public comment. No action taken on this item.

5. **Action on Modification of Plan to Comply With Secure Standards**

**Jake Sours
(Nationwide)**

a. **Adoption of Optional Plan withdrawal Provisions**

- i. ***59 ½ while still employed***
- ii. ***\$5,00 for birth and adoption of child***

Recommendation: *Adopt optional plan withdrawal provisions*

A discussion was held by the committee. No public comment. A motion was made by Mr. Orr, seconded by Mr. Hance to adopt optional plan withdrawal provisions.

Aye: 4 – Lee, Orr, Hance, and Morgan

Absent: 1 – Battagin

Abstain: 0

6. **Adjournment**

Mr. Morgan made a motion to adjourn the meeting, seconded by Mr. Hance and the motion was approved by a 4-0 vote. Chairperson Lee adjourned the meeting at 11:36 AM to the next scheduled meeting on November 18, 2020 from 10:00 AM – 12:00 PM.

Reviewed and Approved by Deferred Compensation Committee on: _____
Date

Witnessed by: _____

Print Name: _____

Title: _____



Agenda Report

20-1149

Agenda Date: 11/19/2020

REPORT TO DEFERRED COMPENSATION COMMITTEE

SUBJECT

Action to Establish Deferred Compensation Committee Meeting Dates for 2021

BACKGROUND

No City Charter or City Code provision specifies the frequency of the Deferred Compensation Committee meetings. Historically, City practice has been that the Committee meets on a quarterly basis.

DISCUSSION

In the past, the Deferred Compensation Plan Committee (Committee) has scheduled its' meeting on a quarter-by-quarter basis, with staff surveying the five Committee members, Plan recordkeeper (Nationwide) and Plan consultant (Hyas) for their availability before scheduling each meeting. This is time intensive and does not provide regularity for Committee members or for Nationwide, Hyas and staff to prepare Committee meeting materials. Additionally, since this is a Brown Act meeting, it requires additional coordination to publish and post Committee agendas and materials in addition to distributing to the Committee in advance of the meetings.

Recognizing these complexities, staff is proposing a regular Committee meeting schedule for Calendar Year 2021 so that the Committee members, Nationwide, Hyas and staff can rely upon firm deliverable and meeting dates. Establishing the annual Committee meeting schedule in advance of the upcoming year is consistent with other Committees and Commissions.

Quarterly financial and plan demographic data is available at the end of the month following the end of each quarter, making the second month following quarter- end, May, August, November and February, ideal for the Committee meetings. After consulting with Nationwide and Hyas on their mutual availability, staff is proposing the Committee meet either on the second Wednesday of the month at 2:00 PM or the third Thursday of the month at 10:00 AM.

Option 1 (Second Wednesday of the Month at 2:00 PM)

February 10, 2021
May 12, 2021
August 11, 2021
November 10, 2021

Option 2 (Third Thursday of the Month at 10:00 AM)

February 18, 2021
May 20, 2021
August 19, 2021
November 18, 2021

If approved by the Committee, these dates and start time will be brought to Council for approval as the regular meeting dates of the Deferred Compensation Committee Meeting.

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)(5) in that it is a governmental organizational or administrative activity that will not result in direct or indirect changes in the environment.

FISCAL IMPACT

There is no additional cost to the City other than administrative staff time and expense.

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 or at the public information desk at any City of Santa Clara public library.

RECOMMENDATION

- 1) Approve Option 1 Deferred Compensation Committee Meeting Dates for 2021; or
- 2) Approve Option 2 Deferred Compensation Committee Meeting Dates for 2021

Reviewed by: Greg Bych, Risk Manager

Approved by: Aracely Azevedo, Director of Human Resources



City of Santa Clara

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

Agenda Report

20-1151

Agenda Date: 11/19/2020

REPORT TO DEFERRED COMPENSATION COMMITTEE

SUBJECT

Informational Report on Third Quarter 2020 Performance

DISCUSSION

This is an informational report to the Committee on the City's third quarter 2020 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.

1. CSC 3Q 2020 Executive Summary
2. CSC 3Q 2020 Performance Report



CITY of SANTA CLARA

RETIREMENT PLAN

457 DEFERRED COMPENSATION PLAN

Third Quarter Performance Report 2020

**CAUTIOUS TOLERANCE**

The Department of Labor (DOL) has a long history of written bulletins concerning Environment, Social and Governance (ESG) investment offerings. The messaging of these bulletins, which in our view constitute the most directly applicable fiduciary guidance within the US, generally states that the utilization of ESG factors as part of the broader investment research process is permitted, but that the pursuit of economic gains remains the primary fiduciary responsibility. This is mentioned to illustrate the cautious regulatory tolerance of ESG factor consideration in the broader research process, but that these ESG factors may not be considered ahead of purely economic factors.

Why doesn't the DOL fully embrace ESG offerings? A recent article published by the CFA Institute addresses the challenges of evaluating ESG performance results. "The argument that ESG factors lead to better long-term performance outcomes is much harder to prove than we might imagine. Academics have found a surprisingly low correlation between ESG ratings across providers. In other words, experts can't even agree on which firms have solid ESG credentials in the first place. Part of the problem is that the ESG umbrella encompasses so many different issues, whose salience is continually shifting." The lack of any industry standards makes performance comparisons and risk assessments very difficult and risks serving as an excuse for underperformance and higher fees.

Another salient point often made by industry professionals is that if ESG factors were unequivocally responsible for higher returns on capital and hence higher stock returns, both corporate management and investment managers would have a direct economic incentive to incorporate them into their everyday operations. There would be no need for dedicated ESG investment strategies, as all managers across the industry would seek to utilize the ESG factors to gain an advantage and those who didn't would likely underperform. It does appear that ESG data is becoming more readily available and increasingly considered across the industry. If ESG factor analysis can add value above other approaches, at the very least in certain market junctures, we would expect our investment managers' utilization of ESG factors to increase. However, it is plausible that ESG may not add value at various times and that constraining investment managers to employ ESG factors would run against participants' financial interests and the fiduciary imperative.

One of the lesser discussed challenges of evaluating ESG contributions to performance is causality. In simple terms, do higher ESG credentials drive higher returns on capital for companies, or do companies with higher returns on capital simply have the option to spend more on ESG initiatives? At the surface, it may be easy to make the case that many of today's fast-growing technology leaders have both high returns on capital and high ESG credentials. However, many of these are companies fairly early on in their business cycles with significant competitive advantages and few substitute products in the marketplace. As a result, these companies tend to generate higher than average returns on capital, potentially allowing them to invest higher amounts in managing ESG initiatives. Those seeking to market ESG investment products are likely to imply that ESG policies are key drivers of outsized returns. Traditional economic analysis may consider the ESG initiatives a byproduct of the company's unique competitive advantage. Isolating and quantifying causality is extremely important (and extremely difficult) when evaluating the true impact of ESG policies.

We are encouraged by the increasing consideration of ESG factors across the broader investment industry. We expect this awareness to have a positive impact on the investment industry and potentially lead to better corporate practices and possibly even better returns on capital. That said, the historical and proposed fiduciary standards from the DOL emphasize that economic factors must still come first and that ESG or other non-economic factors are secondary. The industry's failure to clearly define what constitutes high ESG standards and effectively quantify causality makes evaluating any contribution to returns extremely difficult and longer-term performance comparisons remain inconclusive.

GLOBAL ECONOMIC LANDSCAPE

- The domestic financial markets continue to focus on prospects for a new fiscal stimulus bill. Negotiations continue to be stalled as the two political parties seek to find middle ground. The Republicans more recently offered a \$1.8 trillion stimulus package coming close to the \$2.2 trillion package supported by the Democratic party. The Trump administration is focused on short-term payroll assistance to US airline companies. The US Travel Association is on record stating that 1.3 million additional jobs (roughly 50% of all travel-support staff jobs) are at risk without immediate aid.
- September unemployment rates fell to 7.9% nationally, down from a pandemic peak of nearly 15%. Home sales continued at a brisk pace buoyed by declining mortgage rates, which ended the quarter below 3.0%. After falling in the second quarter, prices (inflation) stabilized during the third quarter.
- The Fed left the fed funds rate unchanged during its July meeting. They did state they expected interest rates to remain low through 2023 and they will support rates near zero until inflation can exceed 2% for a sustained period of time. The Fed's open market support of credit markets is expected to suppress nominal yields and keep credit spreads tightly range bound. This is especially the case for shorter-dated fixed income securities.
- International economies continue to rebound as global COVID restrictions are eased. Brazil is seeing one of the strongest global rebounds with retail sales rising 4.6% in August after rising 7.1% in July. Retail sales are now running above pre-pandemic levels. India has also shown significant economic improvements with manufacturing indicators rising to 49.8 in September from 46.0 in August.

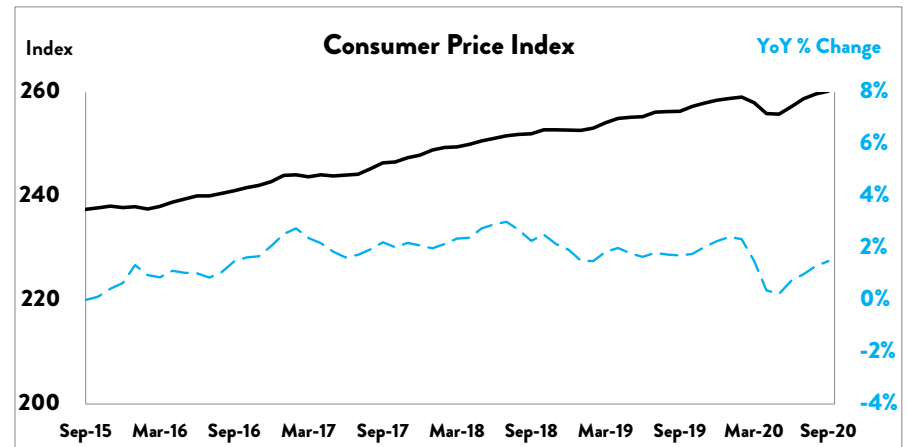
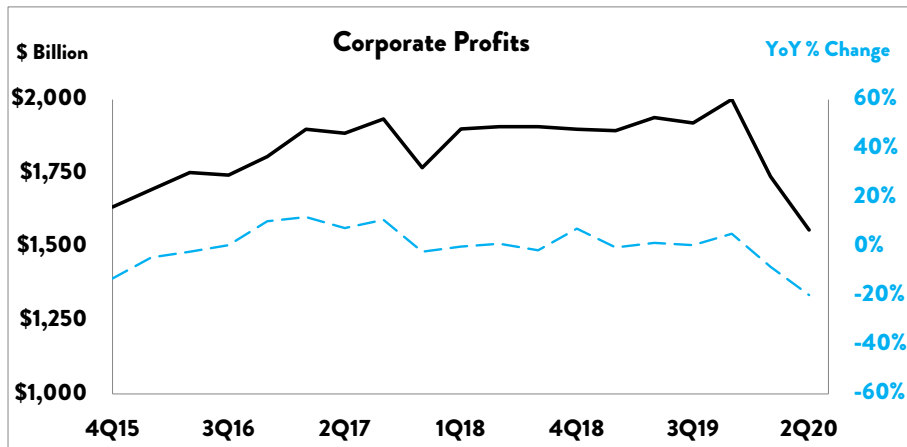
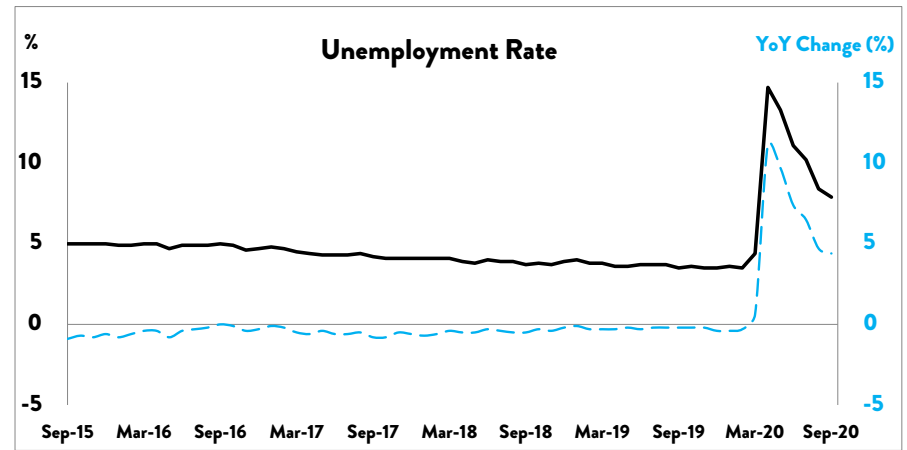
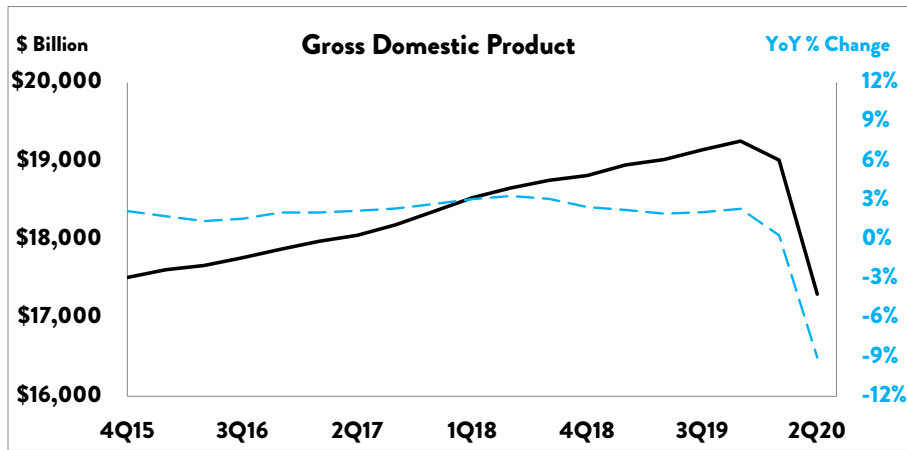
GLOBAL FINANCIAL MARKETS

- The stock market rally continued in the third quarter despite a September sell-off led by big name technology stocks. The Nasdaq-100 Index (large cap technology index) continued its reign of dominance over broader large-cap indexes, gaining 12.6% during the quarter compared to an 8.9% gain for the S&P 500 Index. The Nasdaq-100 Index's outperformance continued a long-term trend that has seen it return 20.4% on an annual basis for the 10-year period ended September 30, 2020 against a 13.7% annual return for the S&P 500 Index over the same period.
- Investors witnessed a significant divergence in global stock market leadership this quarter. While large cap stocks continued to dominate US markets, small cap stocks provided leadership across many international markets. International small cap stocks outperformed the broader international markets by over 4.0% during the quarter and now nearly 2.0% YTD.
- Global currency markets remain highly volatile as extensive global fiscal and monetary policies continue to address the challenges of a global pandemic. The US Dollar Index declined by 3.6% in the third quarter, reflecting better relative economic results in other parts of the world.

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, 2020

3Q2020 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 | 661,000 | 4,781,000 | -20,787,000 | 300 | Sep-20 |
| Unemployment Rate | 7.9% | 14.7% | 3.5% | 4.9% | Sep-20 |
| Median Unemployment Length (Weeks) | 18.2 | 18.2 | 4.0 | 10.0 | Sep-20 |
| Average Hourly Earnings | \$29.47 | \$30.03 | \$25.20 | \$27.05 | Sep-20 |

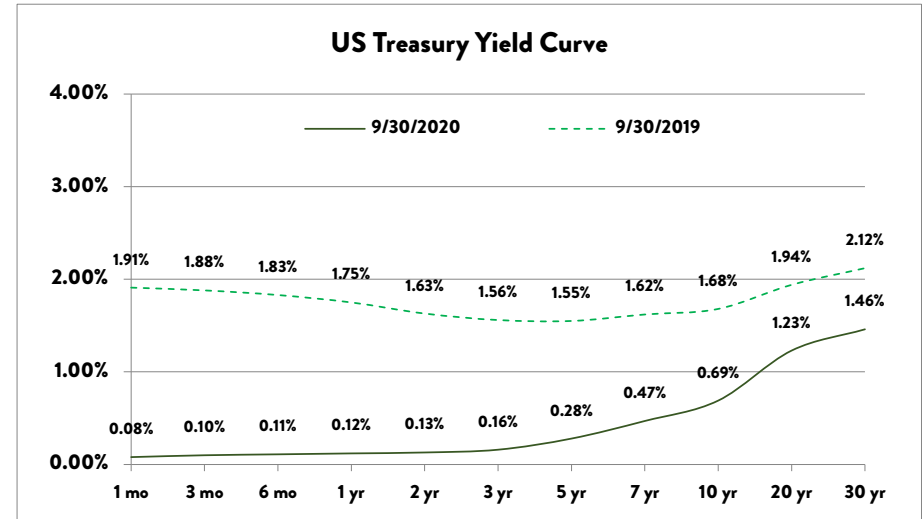
Source: Federal Reserve Bank of St. Louis and Bureau of Labor Statistics

| Other Prices and Indexes (Monthly) | | | | | |
|------------------------------------|---------|-----------|----------|------------|--------|
| Category | Recent | 5-Yr High | 5-Yr Low | % Off Peak | Date |
| Gas: Price per Gallon | \$2.17 | \$2.88 | \$1.79 | -24.9% | Sep-20 |
| Spot Oil | \$39.63 | \$70.98 | \$16.55 | -44.2% | Sep-20 |
| Case-Shiller Home Price Index | 224.7 | 224.7 | 180.0 | 24.8%* | Jul-20 |
| Medical Care CPI | 523.5 | 523.6 | 450.6 | 16.2%* | Sep-20 |

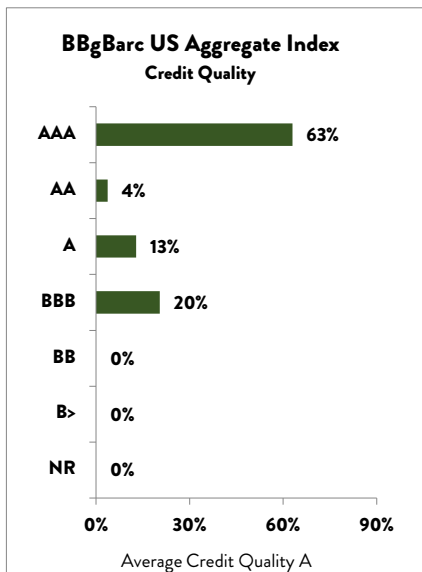
*% Off Low

3Q2020 Bond Market Data

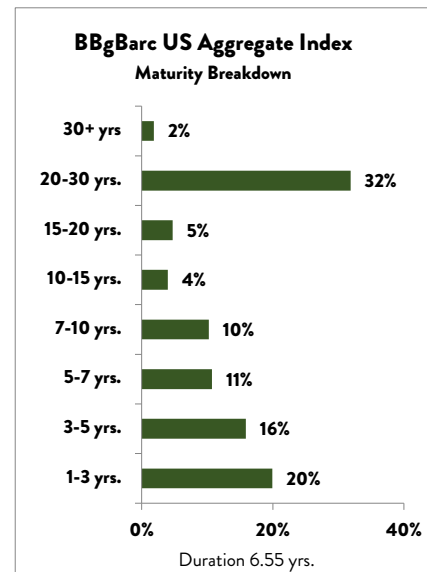
| Index | QTR | YTD | 1 yr. | 3 yrs. | 5 yrs. | 10 yrs. |
|----------------------------|-------|--------|--------|--------|--------|---------|
| 90-Day T-Bill | 0.03% | 0.34% | 0.75% | 1.58% | 1.14% | 0.60% |
| BBgBarc US Aggregate | 0.62% | 6.79% | 6.98% | 5.24% | 4.18% | 3.64% |
| BBgBarc Short US Treasury | 0.05% | 0.92% | 1.43% | 1.83% | 1.31% | 0.74% |
| BBgBarc Int. US Treasury | 0.19% | 6.02% | 6.03% | 4.06% | 2.77% | 2.34% |
| BBgBarc Long US Treasury | 0.12% | 21.35% | 16.34% | 11.87% | 8.21% | 7.21% |
| BBgBarc US TIPS | 3.03% | 9.22% | 10.08% | 5.79% | 4.61% | 3.57% |
| BBgBarc US Credit | 1.50% | 6.39% | 7.50% | 6.19% | 5.75% | 4.92% |
| BBgBarc US Mortgage-Backed | 0.11% | 3.62% | 4.36% | 3.68% | 2.98% | 3.01% |
| BBgBarc US Asset-Backed | 0.79% | 4.14% | 4.55% | 3.47% | 2.68% | 2.40% |
| BBgBarc US 20-Yr Municipal | 1.38% | 3.46% | 4.13% | 5.17% | 4.74% | 4.99% |
| BBgBarc US High Yield | 4.60% | 0.62% | 3.25% | 4.21% | 6.79% | 6.47% |
| BBgBarc Global | 2.66% | 5.72% | 6.24% | 4.10% | 3.92% | 2.36% |
| BBgBarc International | 4.14% | 4.77% | 5.48% | 3.07% | 3.60% | 1.35% |
| BBgBarc Emerging Market | 2.37% | 1.93% | 4.06% | 4.21% | 6.18% | 5.42% |



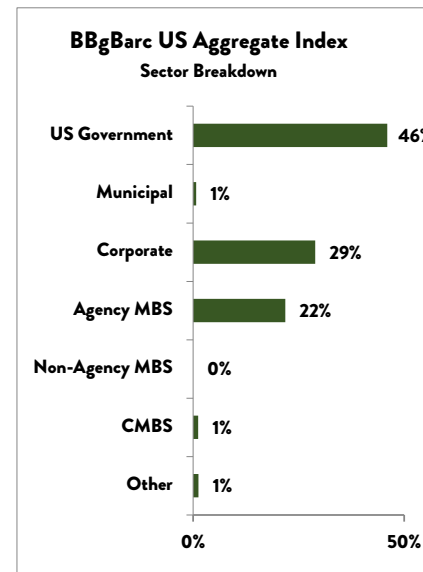
Source: Department of US Treasury



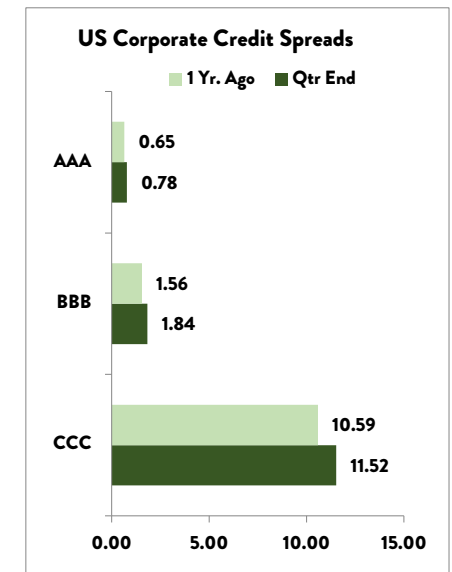
Source: Morningstar



Source: Morningstar



Source: Morningstar



Source: Federal Reserve / Bank of America

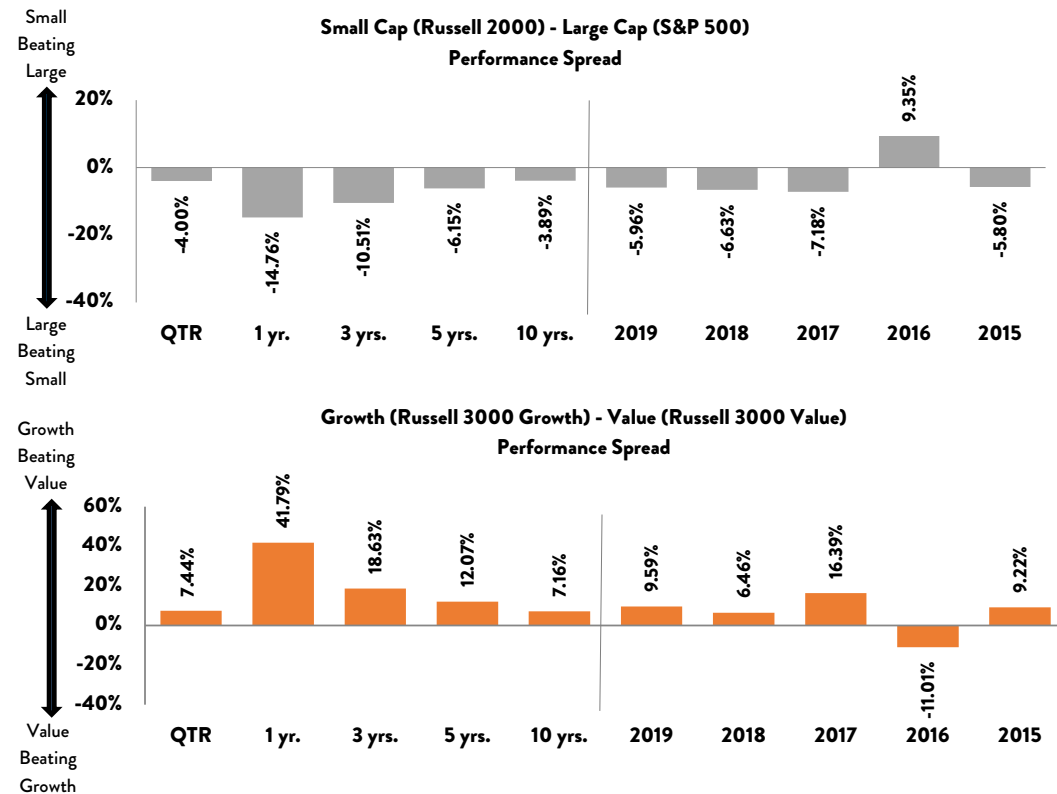
3Q2020 US Equity Market Data

Sectors Weights/Returns (ranked by quarter performance)

| | Wgt. | Sector | Performance | | |
|-----------------------------------|------------------------|------------------------|-------------|---------|---------|
| | | | QTR | YTD | 1 yr. |
| S&P 500 Index | 12% | Consumer Discretionary | 15.06% | 23.38% | 28.89% |
| | 3% | Materials | 13.31% | 5.47% | 12.19% |
| | 8% | Industrials | 12.48% | -3.99% | 1.32% |
| | 28% | Information Technology | 11.95% | 28.69% | 47.23% |
| | 7% | Consumer Staples | 10.38% | 4.13% | 7.79% |
| | 11% | Communication Services | 8.94% | 8.60% | 18.37% |
| | 3% | Utilities | 6.14% | -5.68% | -4.97% |
| | 14% | Health Care | 5.87% | 5.01% | 20.11% |
| | 10% | Financials | 4.45% | -20.22% | -11.87% |
| | 3% | Real Estate | 1.92% | -6.78% | -7.28% |
| S&P Midcap 400 Index | 2% | Energy | -19.72% | -48.09% | -45.24% |
| | 16% | Consumer Discretionary | 13.80% | 6.99% | 15.29% |
| | 4% | Consumer Staples | 10.73% | 9.10% | 12.40% |
| | 18% | Industrials | 10.19% | -4.24% | 3.80% |
| | 6% | Materials | 6.73% | -8.70% | -2.41% |
| | 16% | Information Technology | 5.47% | 1.00% | 12.35% |
| | 11% | Health Care | 3.65% | 9.45% | 21.53% |
| | 2% | Communication Services | 0.24% | -16.30% | -13.10% |
| | 9% | Real Estate | -2.08% | -26.15% | -24.12% |
| | 14% | Financials | -2.85% | -25.94% | -22.13% |
| S&P Smallcap 600 Index | 4% | Utilities | -4.27% | -24.35% | -25.94% |
| | 1% | Energy | -11.09% | -53.04% | -46.82% |
| | 15% | Consumer Discretionary | 14.40% | -0.62% | 6.19% |
| | 14% | Health Care | 9.17% | 2.36% | 16.75% |
| | 18% | Industrials | 6.53% | -12.28% | -5.91% |
| | 5% | Materials | 2.13% | -16.00% | -9.75% |
| | 4% | Consumer Staples | 1.57% | -6.79% | 1.16% |
| | 14% | Information Technology | -0.58% | -9.82% | 0.73% |
| | 8% | Real Estate | -1.43% | -26.22% | -24.17% |
| | 16% | Financials | -3.60% | -31.48% | -26.10% |
| 3% | Communication Services | -5.89% | -2.82% | -0.08% | |
| 3% | Energy | -9.68% | -58.94% | -56.27% | |
| 2% | Utilities | -10.02% | -22.69% | -22.64% | |

Index Performance Data

| Index | QTR | YTD | 1 yr. | Annualized | | |
|-------------------------------|--------|---------|---------|------------|--------|---------|
| | | | | 3 yrs. | 5 yrs. | 10 yrs. |
| S&P 500 | 8.93% | 5.57% | 15.15% | 12.28% | 14.15% | 13.74% |
| Russell 1000 Value | 5.59% | -11.58% | -5.03% | 2.63% | 7.66% | 9.95% |
| Russell 1000 Growth | 13.22% | 24.33% | 37.53% | 21.67% | 20.10% | 17.25% |
| Russell Mid Cap | 7.46% | -2.35% | 4.55% | 7.13% | 10.13% | 11.76% |
| Russell Mid Cap Value | 6.40% | -12.84% | -7.30% | 0.82% | 6.38% | 9.71% |
| Russell Mid Cap Growth | 9.37% | 13.92% | 23.23% | 16.23% | 15.53% | 14.55% |
| Russell 2000 | 4.93% | -8.69% | 0.39% | 1.77% | 8.00% | 9.85% |
| Russell 2000 Value | 2.56% | -21.54% | -14.88% | -5.13% | 4.11% | 7.09% |
| Russell 2000 Growth | 7.16% | 3.88% | 15.71% | 8.18% | 11.42% | 12.34% |
| Russell 3000 | 9.21% | 5.41% | 15.00% | 11.65% | 13.69% | 13.48% |
| DJ US Select REIT | 0.83% | -21.36% | -22.33% | -1.85% | 1.99% | 7.03% |



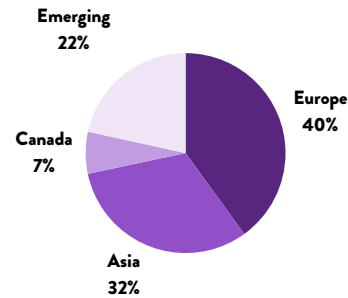
3Q2020 International Market Data

Index Performance Data (net)

| Index (US\$) | QTR | YTD | 1 yr. | 3 yrs. | 5 yrs. | 10 yrs. |
|-------------------------------|---------------|----------------|----------------|----------------|---------------|---------------|
| MSCI ACWI ex-US | 6.25% | -5.44% | 3.00% | 1.16% | 6.23% | 4.00% |
| MSCI EAFE | 4.80% | -7.09% | 0.49% | 0.62% | 5.26% | 4.62% |
| Europe | 4.51% | -8.85% | -0.79% | -0.61% | 4.24% | 4.26% |
| United Kingdom | -0.23% | -23.44% | -15.82% | -5.61% | -0.42% | 2.02% |
| Germany | 8.32% | 0.06% | 9.96% | -1.13% | 5.85% | 5.29% |
| France | 2.76% | -13.53% | -6.18% | -1.26% | 5.42% | 4.09% |
| Pacific | 5.39% | -4.10% | 2.63% | 2.81% | 7.33% | 5.39% |
| Japan | 6.94% | -0.68% | 6.91% | 3.94% | 7.51% | 6.20% |
| Hong Kong | 1.56% | -8.34% | -1.64% | -0.22% | 6.59% | 5.46% |
| Australia | 2.82% | -11.52% | -7.72% | 0.73% | 7.06% | 3.30% |
| Canada | 6.16% | -7.55% | -3.03% | 0.58% | 6.01% | 2.05% |
| MSCI EM | 9.56% | -1.16% | 10.54% | 2.42% | 8.97% | 2.50% |
| MSCI EM Latin America | -1.28% | -36.06% | -29.36% | -11.84% | 2.06% | -5.74% |
| MSCI EM Asia | 11.92% | 8.01% | 21.52% | 5.67% | 11.30% | 5.45% |
| MSCI EM Eur/Mid East | 1.02% | -19.18% | -12.31% | -2.59% | 3.30% | -2.89% |
| MSCI ACWI Value ex-US | 2.28% | -17.60% | -10.83% | -5.09% | 2.14% | 1.50% |
| MSCI ACWI Growth ex-US | 10.16% | 7.27% | 17.54% | 7.33% | 10.16% | 6.38% |
| MSCI ACWI Sm Cap ex-US | 10.50% | -3.64% | 6.97% | 0.93% | 6.80% | 5.31% |

Regional Exposure

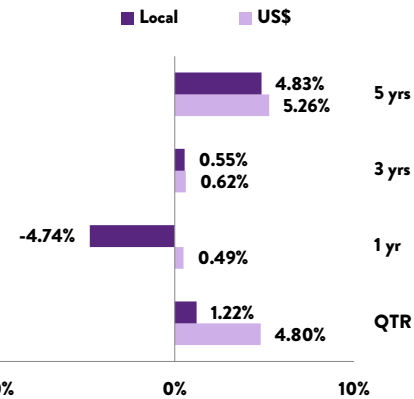
MSCI ACWI ex-USA



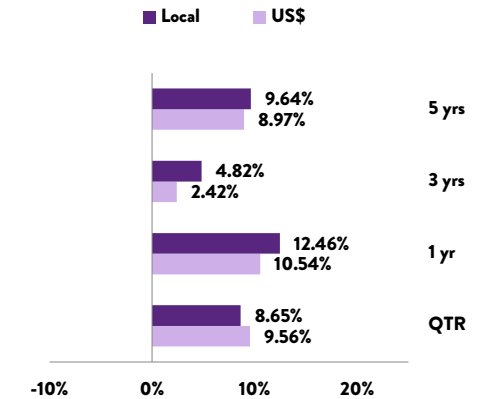
Top 10 Countries (MSCI AC World ex-USA)

| | |
|-------------|-----|
| Japan | 17% |
| China | 12% |
| UK | 9% |
| France | 7% |
| Switzerland | 7% |
| Canada | 7% |
| Germany | 6% |
| Australia | 4% |
| Taiwan | 4% |
| South Korea | 4% |

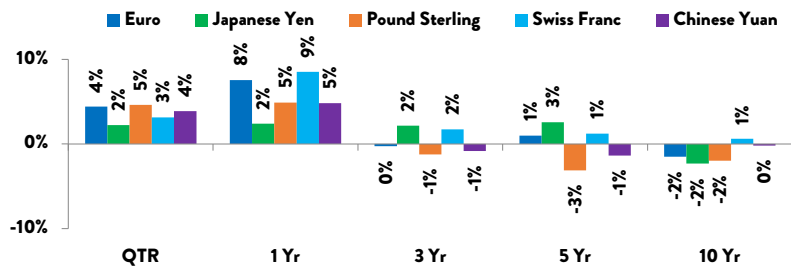
MSCI EAFE Index Return



MSCI Emerging Index Return

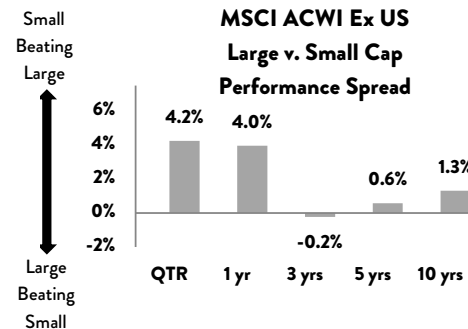


Foreign Currency v. US\$ Returns

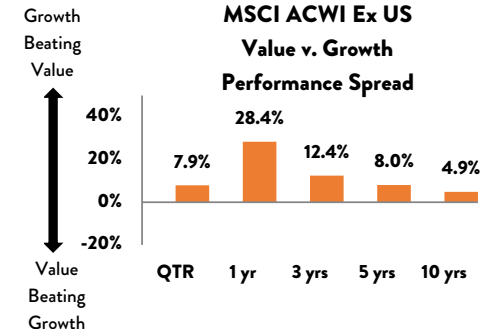


| Exchange Rates | QTR | 2Q20 | 1Q20 | 4Q19 | 3Q19 | 2Q19 |
|----------------------|--------|--------|--------|--------|--------|--------|
| Japanese Yen | 105.58 | 107.77 | 107.53 | 108.67 | 108.11 | 107.84 |
| Euro | 0.85 | 0.89 | 0.91 | 0.89 | 0.92 | 0.88 |
| British Pound | 0.77 | 0.81 | 0.80 | 0.75 | 0.81 | 0.79 |
| Swiss Franc | 0.92 | 0.95 | 0.96 | 0.97 | 1.00 | 0.98 |
| Chinese Yuan | 6.79 | 7.07 | 7.08 | 6.96 | 7.15 | 6.87 |

MSCI ACWI Ex US Large v. Small Cap Performance Spread



MSCI ACWI Ex US Value v. Growth Performance Spread



CITY OF SANTA CLARA

457 Deferred Compensation Plan

PLAN ASSET ALLOCATION

Third Quarter 2020

| Fixed Income | Ticker | Assets | % |
|---------------------------------------|--------|---------------------|--------------|
| Nationwide Fixed Fund | - | \$60,520,559 | 31.4% |
| Fidelity US Bond Index | FXNAX | \$2,787,223 | 1.4% |
| Sterling Capital Total Return Bond R6 | STRDX | \$3,312,729 | 1.7% |
| Hotchkis & Wiley High Yield Z | HWHZX | \$1,467,231 | 0.8% |
| Total | | \$68,087,741 | 35.4% |

| Large Cap | Ticker | Assets | % |
|----------------------------------|--------|---------------------|--------------|
| DFA US Large Cap Value I | DFLVX | \$5,060,677 | 2.6% |
| Fidelity 500 Index | FXAIX | \$27,280,072 | 14.2% |
| T. Rowe Price Large Cap Growth I | TRLGX | \$17,457,355 | 9.1% |
| Total | | \$49,798,103 | 25.9% |

| Mid Cap | Ticker | Assets | % |
|---|--------|---------------------|-------------|
| MFS Mid Cap Value R6 | MVCKX | \$1,531,601 | 0.8% |
| Fidelity Mid Cap Index | FSMDX | \$2,875,863 | 1.5% |
| WTC-CIF II Mid Cap Opportunities (Series 3) | - | \$8,947,647 | 4.6% |
| Total | | \$13,355,111 | 6.9% |

| Small Cap | Ticker | Assets | % |
|---------------------------------|--------|--------------------|-------------|
| DFA US Targeted Value I | DFVFX | \$1,946,826 | 1.0% |
| Fidelity Small Cap Index | FSSNX | \$1,364,571 | 0.7% |
| Vanguard Small Growth Index Adm | VSGAX | \$3,361,122 | 1.7% |
| Total | | \$6,672,519 | 3.5% |

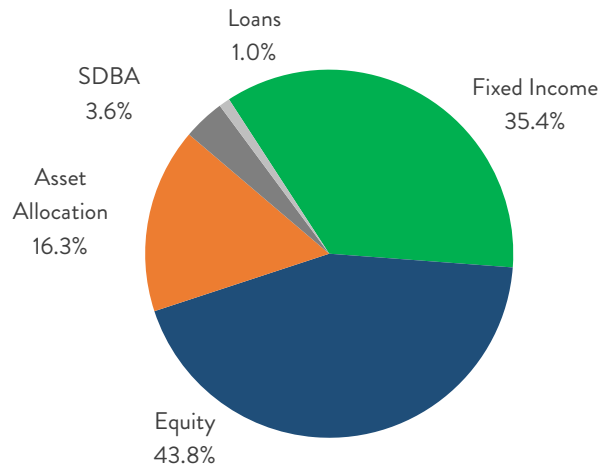
| International | Ticker | Assets | % |
|---|--------|---------------------|-------------|
| MFS International Intrinsic Value Equity R6 | MINJX | \$3,867,500 | 2.0% |
| Fidelity Total International Index | FTIHX | \$2,937,759 | 1.5% |
| Vanguard International Growth Adm | VWILX | \$7,629,696 | 4.0% |
| Total | | \$14,434,956 | 7.5% |

| Asset Allocation | Ticker | Assets | % |
|---------------------------------------|--------|---------------------|--------------|
| Vanguard Target Retirement Income Inv | VTINX | \$1,455,889 | 0.8% |
| Vanguard Target Retirement 2020 Inv | VTWNX | \$318,827 | 0.2% |
| Vanguard Target Retirement 2025 Inv | VTTVX | \$14,585,684 | 7.6% |
| Vanguard Target Retirement 2030 Inv | VTHRX | \$288,780 | 0.1% |
| Vanguard Target Retirement 2035 Inv | VTTX | \$6,599,376 | 3.4% |
| Vanguard Target Retirement 2040 Inv | VFORX | \$337,114 | 0.2% |
| Vanguard Target Retirement 2045 Inv | VTIVX | \$5,967,766 | 3.1% |
| Vanguard Target Retirement 2050 Inv | VFIFX | \$507,091 | 0.3% |
| Vanguard Target Retirement 2055 Inv | VFFVX | \$1,082,294 | 0.6% |
| Vanguard Target Retirement 2060 Inv | VTTSX | \$198,141 | 0.1% |
| Total | | \$31,340,963 | 16.3% |

| Miscellaneous | Ticker | Assets | % |
|----------------------|--------|--------------------|-------------|
| Self Directed Option | - | \$7,022,724 | 3.6% |
| Loans | - | \$1,865,971 | 1.0% |
| Total | | \$8,888,695 | 4.6% |

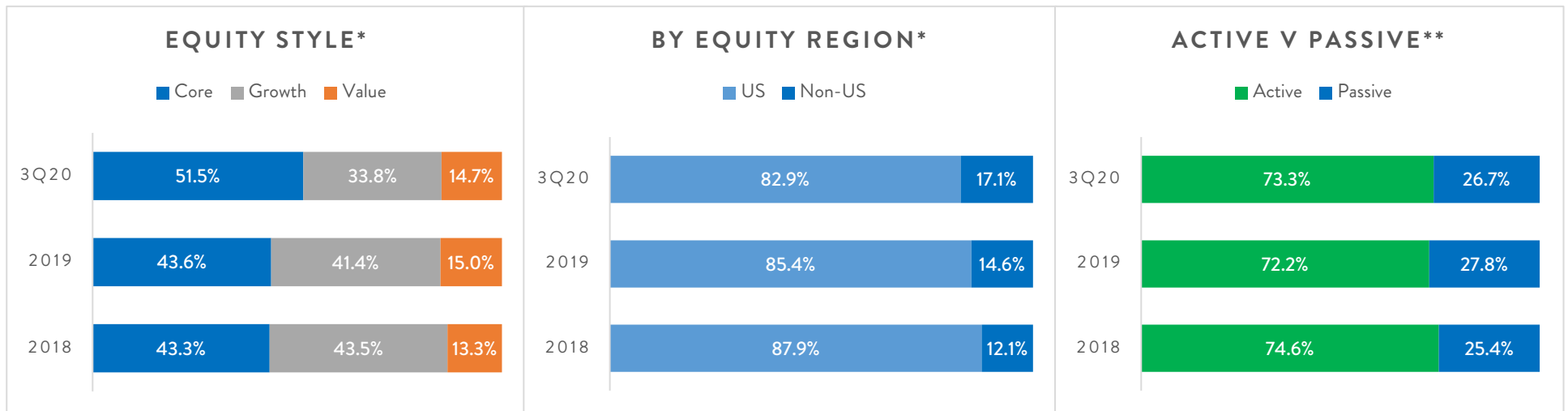
TOTAL PLAN ASSETS

\$192,578,087



HISTORICAL PLAN ALLOCATION

| Asset Class | 3Q20 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 |
|-------------------------|-------|-------|-------|------|------|------|------|------|
| Fixed Income | 35.4% | 35.5% | 38.7% | N/A | N/A | N/A | N/A | N/A |
| Large Cap | 25.9% | 26.3% | 26.1% | N/A | N/A | N/A | N/A | N/A |
| Mid Cap | 6.9% | 7.7% | 6.7% | N/A | N/A | N/A | N/A | N/A |
| Small Cap | 3.5% | 3.9% | 4.1% | N/A | N/A | N/A | N/A | N/A |
| International | 7.5% | 6.5% | 5.1% | N/A | N/A | N/A | N/A | N/A |
| Asset Allocation | 16.3% | 16.6% | 16.3% | N/A | N/A | N/A | N/A | N/A |
| SDBA | 3.6% | 2.8% | 2.6% | N/A | N/A | N/A | N/A | N/A |
| Loans | 1.0% | 0.7% | 0.5% | N/A | N/A | N/A | N/A | N/A |



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

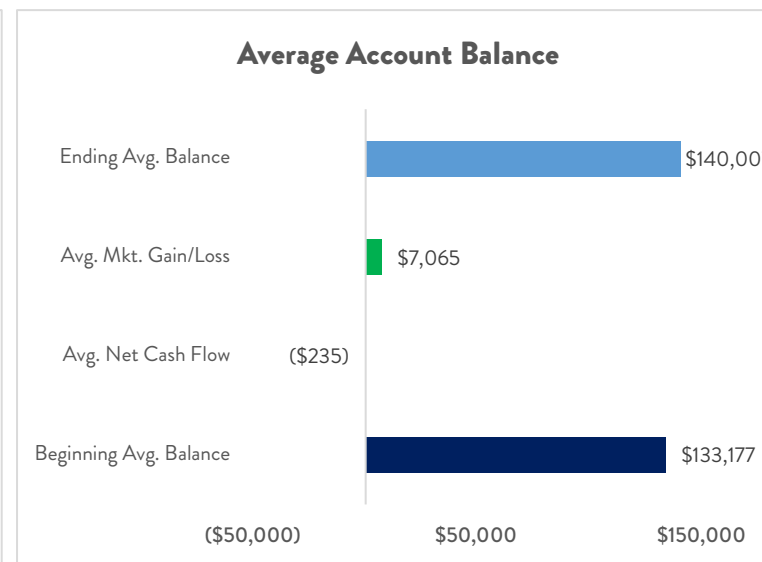
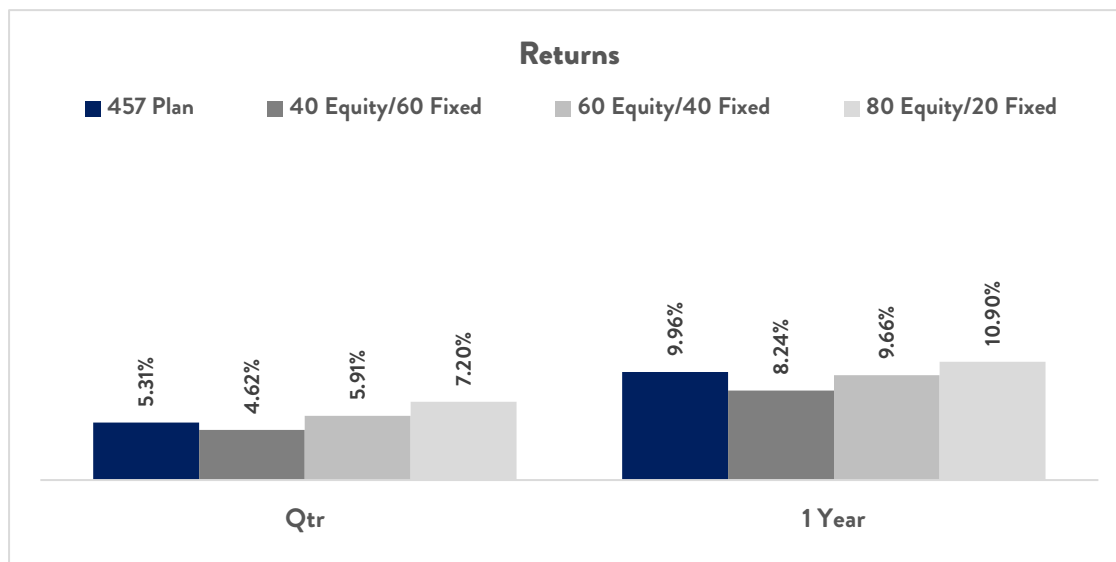
**Excludes Asset Allocation, Brokerage, and Loan assets

PLAN LEVEL CASH FLOWS

| | Beginning Value | Cash Flow (+) | Cash Flow (-) | Transfer | Market Gain/Loss | Ending Value |
|-------------------------|-----------------|---------------|---------------|---------------|------------------|---------------|
| Fixed Income | \$67,280,685 | \$836,457 | (\$1,609,100) | \$936,709 | \$642,990 | \$68,087,741 |
| Large Cap | \$45,739,697 | \$730,995 | (\$866,003) | (\$189,311) | \$4,382,725 | \$49,798,103 |
| Mid Cap | \$13,136,268 | \$279,153 | (\$218,235) | (\$473,117) | \$631,042 | \$13,355,111 |
| Small Cap | \$6,297,527 | \$146,764 | (\$115,075) | (\$39,886) | \$383,190 | \$6,672,519 |
| International | \$11,687,108 | \$265,925 | (\$203,585) | \$1,255,666 | \$1,429,842 | \$14,434,956 |
| Asset Allocation | \$30,586,596 | \$1,007,497 | (\$562,483) | (\$1,490,061) | \$1,799,414 | \$31,340,963 |
| Total | \$174,727,881 | \$3,266,789 | (\$3,574,481) | \$0 | \$9,269,203 | \$183,689,393 |

HISTORICAL PLAN CASH FLOWS

| | Beginning Value | Net Cash Flow | Market Gain/Loss | Ending Value |
|-------------|-----------------|---------------|------------------|---------------|
| 3Q20 | \$174,727,881 | (\$307,691) | \$9,269,203 | \$183,689,393 |
| YTD | \$174,412,951 | \$1,578,033 | \$7,698,409 | \$183,689,393 |
| 2019 | \$150,093,203 | (\$2,185,094) | \$26,504,842 | \$174,412,951 |
| 2018 | N/A | N/A | N/A | \$150,093,203 |
| 2017 | N/A | N/A | N/A | N/A |
| 2016 | 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 | Ⓟ | Ⓟ | - | |
| 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. Previous share class placed on watch. |
| 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 | Ⓟ | Ⓟ | - | |
| MFS International Intrinsic Value Equity R6 | Ⓟ | ● | - | 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 | Ⓟ | Ⓟ | - | |
| 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

Third Quarter 2020

| | QTR | YTD | 1Yr | <i>Annualized</i> | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|-------------|---------------|--------------|-------------------|-------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| Nationwide Fixed Fund | 0.86 | 2.61 | 3.50 | - | - | - | 3.50 | - | - | - | - | - |
| 5 Yr Constant Maturity US Treasury Yield | 0.07 | 0.45 | 0.85 | 1.89 | 1.78 | 1.55 | 1.96 | 2.75 | 1.91 | 1.44 | 1.53 | 1.64 |
| +/- Index | 0.80 | 2.17 | 2.65 | - | - | - | 1.54 | - | - | - | - | - |
| Fidelity US Bond Index | 0.43 | 6.99 | 7.06 | 5.22 | 4.14 | 3.59 | 8.48 | 0.01 | 3.50 | 2.52 | 0.63 | 5.99 |
| BBgBarc Capital US Aggregate Bond Index | 0.62 | 6.79 | 6.98 | 5.24 | 4.18 | 3.64 | 8.72 | 0.01 | 3.54 | 2.65 | 0.55 | 5.97 |
| +/- Index | (0.19) | 0.20 | 0.07 | (0.02) | (0.04) | (0.04) | (0.23) | 0.00 | (0.04) | (0.13) | 0.08 | 0.02 |
| US Fund Intermediate Core Bond | 92 | 34 | 36 | 28 | 39 | 47 | 49 | 29 | 57 | 66 | 18 | 26 |
| Sterling Capital Total Return Bond R6 | 1.59 | 7.55 | 7.70 | 5.69 | 4.82 | 4.15 | 9.37 | -0.27 | 4.33 | 3.75 | 0.54 | 5.99 |
| BBgBarc Capital US Aggregate Bond Index | 0.62 | 6.79 | 6.98 | 5.24 | 4.18 | 3.64 | 8.72 | 0.01 | 3.54 | 2.65 | 0.55 | 5.97 |
| +/- Index | 0.97 | 0.76 | 0.71 | 0.45 | 0.64 | 0.51 | 0.65 | (0.28) | 0.79 | 1.10 | (0.01) | 0.02 |
| US Fund Intermediate Core Bond | 8 | 18 | 17 | 11 | 8 | 13 | 17 | 42 | 7 | 7 | 28 | 26 |
| Hotchkis & Wiley High Yield Z | 5.22 | -4.00 | -1.78 | 0.95 | 4.36 | 5.48 | 9.77 | -3.34 | 8.24 | 16.02 | -4.30 | 1.09 |
| BBgBarc Capital US Corp High Yield Index | 4.60 | 0.62 | 3.25 | 4.21 | 6.79 | 6.47 | 14.32 | -2.08 | 7.50 | 17.13 | -4.47 | 2.45 |
| +/- Index | 0.62 | (4.63) | (5.04) | (3.26) | (2.43) | (0.99) | (4.54) | (1.26) | 0.73 | (1.11) | 0.17 | (1.36) |
| US Fund High Yield Bond | 17 | 91 | 92 | 96 | 83 | 46 | 82 | 63 | 11 | 16 | 58 | 64 |
| DFA US Large Cap Value I | 5.20 | -16.14 | -8.54 | -0.04 | 6.69 | 10.09 | 25.45 | -11.65 | 18.97 | 18.89 | -3.49 | 10.07 |
| Russell 1000 Value Index | 5.59 | -11.58 | -5.03 | 2.63 | 7.66 | 9.95 | 26.54 | -8.27 | 13.66 | 17.34 | -3.83 | 13.45 |
| +/- Index | (0.40) | (4.56) | (3.51) | (2.67) | (0.97) | 0.15 | (1.09) | (3.38) | 5.30 | 1.55 | 0.33 | (3.39) |
| US Fund Large Value | 44 | 83 | 76 | 79 | 63 | 29 | 49 | 83 | 20 | 14 | 46 | 60 |

CITY OF SANTA CLARA

457 Deferred Compensation Plan

PERFORMANCE REVIEW

Third Quarter 2020

| | QTR | YTD | 1Yr | <i>Annualized</i> | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|--------------|---------------|--------------|-------------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| Fidelity 500 Index | 8.94 | 5.58 | 15.14 | 12.27 | 14.14 | 13.73 | 31.47 | -4.40 | 21.81 | 11.97 | 1.38 | 13.66 |
| S&P 500 Index | 8.93 | 5.57 | 15.15 | 12.28 | 14.15 | 13.74 | 31.49 | -4.38 | 21.83 | 11.96 | 1.38 | 13.69 |
| +/- Index | 0.01 | 0.00 | 0.00 | (0.01) | (0.01) | (0.01) | (0.01) | (0.02) | (0.02) | 0.01 | 0.00 | (0.03) |
| US Fund Large Blend | 36 | 28 | 25 | 18 | 12 | 9 | 23 | 25 | 28 | 26 | 20 | 18 |
| T. Rowe Price Large Cap Growth I | 11.46 | 23.45 | 35.80 | 21.09 | 20.61 | 18.09 | 28.49 | 4.32 | 37.82 | 2.85 | 10.08 | 8.72 |
| Russell 1000 Growth Index | 13.22 | 24.33 | 37.53 | 21.67 | 20.10 | 17.25 | 36.39 | -1.51 | 30.21 | 7.08 | 5.67 | 13.05 |
| +/- Index | (1.76) | (0.88) | (1.73) | (0.59) | 0.51 | 0.84 | (7.90) | 5.83 | 7.61 | (4.22) | 4.41 | (4.33) |
| US Fund Large Growth | 46 | 35 | 33 | 30 | 14 | 10 | 80 | 7 | 3 | 52 | 7 | 66 |
| MFS Mid Cap Value R6 | 5.36 | -12.70 | -6.52 | 2.02 | 6.60 | 10.00 | 31.08 | -11.31 | 13.84 | 15.86 | -2.14 | 10.29 |
| Russell Mid Cap Value Index | 6.40 | -12.84 | -7.30 | 0.82 | 6.38 | 9.71 | 27.06 | -12.29 | 13.34 | 20.00 | -4.78 | 14.75 |
| +/- Index | (1.04) | 0.14 | 0.78 | 1.20 | 0.22 | 0.29 | 4.02 | 0.98 | 0.50 | (4.14) | 2.64 | (4.46) |
| US Fund Mid-Cap Value | 34 | 21 | 23 | 11 | 18 | 7 | 7 | 32 | 44 | 66 | 18 | 46 |
| Fidelity Mid Cap Index | 7.49 | -2.32 | 4.58 | 7.14 | 10.13 | - | 30.51 | -9.05 | 18.47 | 13.86 | -2.44 | 13.11 |
| Russell Mid Cap Index | 7.46 | -2.35 | 4.55 | 7.13 | 10.13 | 11.76 | 30.54 | -9.06 | 18.52 | 13.80 | -2.44 | 13.22 |
| +/- Index | 0.03 | 0.03 | 0.03 | 0.01 | 0.00 | - | (0.03) | 0.01 | (0.05) | 0.07 | 0.00 | (0.10) |
| US Fund Mid-Cap Blend | 25 | 19 | 19 | 18 | 14 | - | 18 | 29 | 24 | 59 | 27 | 7 |
| WTC-CIF II Mid Cap Opportunities (Series 3) | 4.42 | -0.95 | 5.92 | 9.58 | 11.82 | 12.87 | 33.06 | -7.03 | 24.54 | 12.14 | 2.20 | 11.61 |
| Russell Mid Cap Growth Index | 9.37 | 13.92 | 23.23 | 16.23 | 15.53 | 14.55 | 35.47 | -4.75 | 25.27 | 7.33 | -0.20 | 11.90 |
| +/- Index | (4.95) | (14.87) | (17.31) | (6.65) | (3.71) | (1.68) | (2.41) | (2.28) | (0.73) | 4.81 | 2.40 | (0.29) |
| US Fund Mid-Cap Growth | 93 | 91 | 90 | 84 | 81 | 70 | 55 | 64 | 51 | 8 | 24 | 14 |

CITY OF SANTA CLARA

457 Deferred Compensation Plan

PERFORMANCE REVIEW

Third Quarter 2020

| | QTR | YTD | 1Yr | Annualized | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|-------------|---------------|---------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|-------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| DFA US Targeted Value I | 4.02 | -21.84 | -15.13 | -5.81 | 2.55 | 7.31 | 21.47 | -15.78 | 9.59 | 26.86 | -5.72 | 2.94 |
| Russell 2000 Value Index | 2.56 | -21.54 | -14.88 | -5.13 | 4.11 | 7.09 | 22.39 | -12.86 | 7.84 | 31.74 | -7.47 | 4.22 |
| +/- Index | 1.46 | (0.30) | (0.25) | (0.68) | (1.56) | 0.22 | (0.92) | (2.92) | 1.75 | (4.88) | 1.75 | (1.28) |
| US Fund Small Value | 31 | 54 | 49 | 49 | 46 | 28 | 52 | 55 | 40 | 40 | 46 | 65 |
| Fidelity Small Cap Index | 4.98 | -8.60 | 0.55 | 1.92 | 8.19 | - | 25.71 | -10.88 | 14.85 | 21.63 | -4.24 | 5.19 |
| Russell 2000 Index | 4.93 | -8.69 | 0.39 | 1.77 | 8.00 | 9.85 | 25.52 | -11.01 | 14.65 | 21.31 | -4.41 | 4.89 |
| +/- Index | 0.05 | 0.09 | 0.16 | 0.15 | 0.18 | - | 0.18 | 0.14 | 0.20 | 0.32 | 0.17 | 0.30 |
| US Fund Small Blend | 35 | 23 | 18 | 17 | 12 | - | 30 | 33 | 22 | 40 | 44 | 40 |
| Vanguard Small Growth Index Adm | 7.74 | 8.53 | 18.68 | 12.85 | 13.69 | 13.31 | 32.76 | -5.68 | 21.92 | 10.73 | -2.52 | 4.02 |
| Vanguard US Small Cap Growth Index | 7.77 | 8.58 | 18.73 | 12.87 | 13.67 | 13.26 | 32.75 | -5.68 | 21.90 | 10.62 | -2.60 | 3.98 |
| +/- Index | (0.03) | (0.05) | (0.04) | (0.02) | 0.02 | 0.05 | 0.01 | 0.00 | 0.02 | 0.11 | 0.09 | 0.03 |
| US Fund Small Growth | 53 | 45 | 46 | 39 | 42 | 40 | 27 | 50 | 46 | 48 | 54 | 46 |
| MFS International Intrinsic Value Equity R6 | 8.55 | 9.63 | 17.82 | 10.06 | 12.00 | 10.97 | 25.99 | -8.89 | 27.25 | 4.31 | 6.85 | 1.61 |
| MSCI EAFE Value (Net) Index | 1.19 | -18.31 | -11.93 | -5.86 | 1.14 | 2.10 | 16.09 | -14.78 | 21.44 | 5.02 | -5.68 | -5.39 |
| +/- Index | 7.36 | 27.94 | 29.75 | 15.92 | 10.86 | 8.87 | 9.90 | 5.89 | 5.81 | (0.72) | 12.54 | 7.00 |
| US Fund Foreign Large Value | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 12 | 21 | 2 | 1 |
| Fidelity Total International Index | 6.78 | -4.91 | 3.67 | 1.25 | - | - | 21.48 | -14.38 | 27.63 | - | - | - |
| MSCI ACWI Ex-USA IMI (Net) Index | 6.80 | -5.21 | 3.51 | 1.13 | 6.31 | 4.17 | 21.63 | -14.76 | 27.81 | 4.41 | -4.60 | -3.89 |
| +/- Index | (0.01) | 0.30 | 0.15 | 0.12 | - | - | (0.16) | 0.37 | (0.18) | - | - | - |
| US Fund Foreign Large Blend | 28 | 37 | 33 | 38 | - | - | 53 | 49 | 22 | - | - | - |

CITY OF SANTA CLARA

457 Deferred Compensation Plan

PERFORMANCE REVIEW

Third Quarter 2020

| | QTR | YTD | 1Yr | <i>Annualized</i> | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|--------------|--------------|--------------|-------------------|--------------|--------------|--------------|---------------|--------------|-------------|--------------|--------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| Vanguard International Growth Adm | 16.27 | 30.65 | 49.32 | 16.07 | 18.58 | 10.93 | 31.48 | -12.58 | 43.16 | 1.84 | -0.54 | -5.51 |
| MSCI ACWI Ex-USA Growth (Net) Index | 10.16 | 7.27 | 17.54 | 7.33 | 10.16 | 6.38 | 27.34 | -14.43 | 32.01 | 0.12 | -1.25 | -2.65 |
| +/- Index | 6.11 | 23.39 | 31.78 | 8.74 | 8.42 | 4.55 | 4.14 | 1.84 | 11.15 | 1.72 | 0.71 | (2.86) |
| US Fund Foreign Large Growth | 2 | 5 | 4 | 4 | 4 | 4 | 22 | 31 | 6 | 12 | 67 | 65 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement Income Inv | 3.12 | 4.63 | 7.35 | 5.79 | 6.03 | 5.60 | 13.16 | -1.99 | 8.47 | 5.25 | -0.17 | 5.54 |
| Vanguard Retirement Income Index | 3.19 | 5.20 | 8.06 | 6.10 | 6.30 | 5.80 | 13.40 | -1.98 | 8.67 | 5.35 | 0.12 | 5.76 |
| +/- Index | (0.07) | (0.57) | (0.71) | (0.31) | (0.27) | (0.20) | (0.24) | (0.01) | (0.19) | (0.10) | (0.30) | (0.23) |
| US Fund Target-Date Retirement | 49 | 27 | 28 | 17 | 29 | 17 | 49 | 21 | 62 | 41 | 7 | 19 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2020 Inv | 4.48 | 3.87 | 8.51 | 6.54 | 7.96 | 7.81 | 17.63 | -4.24 | 14.08 | 6.95 | -0.68 | 7.11 |
| Vanguard Retirement 2020 Index | 4.56 | 4.56 | 9.32 | 6.94 | 8.30 | 8.09 | 17.87 | -4.14 | 14.22 | 7.17 | -0.40 | 7.37 |
| +/- Index | (0.08) | (0.69) | (0.81) | (0.40) | (0.34) | (0.28) | (0.24) | (0.10) | (0.14) | (0.22) | (0.28) | (0.26) |
| US Fund Target-Date 2020 | 30 | 25 | 34 | 20 | 18 | 10 | 28 | 42 | 17 | 29 | 23 | 1 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2025 Inv | 5.17 | 3.63 | 9.04 | 6.89 | 8.60 | 8.38 | 19.63 | -5.15 | 15.94 | 7.48 | -0.85 | 7.17 |
| Vanguard Retirement 2025 Index | 5.25 | 4.33 | 9.92 | 7.32 | 8.97 | 8.66 | 19.93 | -5.01 | 16.08 | 7.66 | -0.58 | 7.45 |
| +/- Index | (0.08) | (0.70) | (0.89) | (0.43) | (0.37) | (0.28) | (0.30) | (0.14) | (0.14) | (0.18) | (0.27) | (0.28) |
| US Fund Target-Date 2025 | 37 | 37 | 38 | 23 | 18 | 12 | 22 | 42 | 21 | 23 | 24 | 4 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2030 Inv | 5.70 | 3.24 | 9.38 | 7.04 | 9.07 | 8.84 | 21.07 | -5.86 | 17.52 | 7.85 | -1.03 | 7.17 |
| Vanguard Retirement 2030 Index | 5.81 | 3.93 | 10.24 | 7.47 | 9.44 | 9.13 | 21.33 | -5.74 | 17.65 | 8.11 | -0.80 | 7.51 |
| +/- Index | (0.11) | (0.69) | (0.86) | (0.43) | (0.37) | (0.29) | (0.26) | (0.12) | (0.13) | (0.26) | (0.23) | (0.34) |
| US Fund Target-Date 2030 | 37 | 33 | 34 | 25 | 29 | 19 | 32 | 37 | 34 | 32 | 31 | 5 |

CITY OF SANTA CLARA

457 Deferred Compensation Plan

PERFORMANCE REVIEW

Third Quarter 2020

| | QTR | YTD | 1Yr | <i>Annualized</i> | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|-------------|-------------|--------------|-------------------|--------------|-------------|--------------|--------------|--------------|-------------|--------------|-------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| Vanguard Target Retirement 2035 Inv | 6.29 | 2.84 | 9.71 | 7.16 | 9.53 | 9.29 | 22.44 | -6.58 | 19.12 | 8.26 | -1.26 | 7.24 |
| Vanguard Retirement 2035 Index | 6.38 | 3.49 | 10.51 | 7.58 | 9.90 | 9.58 | 22.76 | -6.48 | 19.24 | 8.55 | -1.02 | 7.57 |
| +/- Index | (0.09) | (0.64) | (0.80) | (0.42) | (0.37) | (0.29) | (0.33) | (0.10) | (0.12) | (0.29) | (0.24) | (0.33) |
| US Fund Target-Date 2035 | 44 | 33 | 33 | 25 | 29 | 16 | 42 | 32 | 35 | 32 | 37 | 10 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2040 Inv | 6.80 | 2.40 | 9.96 | 7.27 | 9.97 | 9.58 | 23.86 | -7.32 | 20.71 | 8.73 | -1.59 | 7.15 |
| Vanguard Retirement 2040 Index | 6.94 | 3.00 | 10.72 | 7.69 | 10.35 | 9.89 | 24.19 | -7.22 | 20.87 | 8.98 | -1.25 | 7.61 |
| +/- Index | (0.14) | (0.60) | (0.77) | (0.42) | (0.37) | (0.31) | (0.33) | (0.11) | (0.16) | (0.25) | (0.34) | (0.46) |
| US Fund Target-Date 2040 | 47 | 36 | 32 | 22 | 27 | 16 | 43 | 37 | 25 | 27 | 43 | 12 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2045 Inv | 7.36 | 2.11 | 10.27 | 7.32 | 10.13 | 9.66 | 24.94 | -7.90 | 21.42 | 8.87 | -1.57 | 7.16 |
| Vanguard Retirement 2045 Index | 7.51 | 2.59 | 10.95 | 7.73 | 10.49 | 9.96 | 25.36 | -7.77 | 21.54 | 9.13 | -1.25 | 7.61 |
| +/- Index | (0.15) | (0.48) | (0.67) | (0.41) | (0.37) | (0.30) | (0.42) | (0.13) | (0.11) | (0.26) | (0.32) | (0.45) |
| US Fund Target-Date 2045 | 38 | 35 | 34 | 23 | 23 | 16 | 43 | 43 | 26 | 28 | 42 | 12 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2050 Inv | 7.35 | 2.09 | 10.26 | 7.32 | 10.13 | 9.65 | 24.98 | -7.90 | 21.39 | 8.85 | -1.58 | 7.18 |
| Vanguard Retirement 2050 Index | 7.54 | 2.61 | 10.98 | 7.74 | 10.50 | 9.96 | 25.36 | -7.77 | 21.54 | 9.13 | -1.25 | 7.61 |
| +/- Index | (0.19) | (0.53) | (0.71) | (0.42) | (0.38) | (0.31) | (0.38) | (0.13) | (0.14) | (0.28) | (0.32) | (0.43) |
| US Fund Target-Date 2050 | 48 | 33 | 35 | 25 | 27 | 22 | 47 | 37 | 38 | 29 | 45 | 16 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2055 Inv | 7.38 | 2.06 | 10.25 | 7.31 | 10.12 | 9.68 | 24.98 | -7.89 | 21.38 | 8.88 | -1.72 | 7.19 |
| Vanguard Retirement 2055 Index | 7.54 | 2.61 | 10.98 | 7.74 | 10.50 | 9.96 | 25.36 | -7.77 | 21.54 | 9.13 | -1.25 | 7.61 |
| +/- Index | (0.16) | (0.55) | (0.73) | (0.43) | (0.38) | (0.28) | (0.38) | (0.12) | (0.16) | (0.25) | (0.46) | (0.42) |
| US Fund Target-Date 2055 | 45 | 34 | 36 | 27 | 32 | 26 | 51 | 37 | 48 | 27 | 53 | 16 |

CITY OF SANTA CLARA

457 Deferred Compensation Plan

PERFORMANCE REVIEW

Third Quarter 2020

| | QTR | YTD | 1Yr | <i>Annualized</i> | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|-------------|-------------|--------------|-------------------|--------------|----------|--------------|--------------|--------------|-------------|--------------|-------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| Vanguard Target Retirement 2060 Inv | 7.39 | 2.07 | 10.25 | 7.31 | 10.12 | - | 24.96 | -7.87 | 21.36 | 8.84 | -1.68 | 7.16 |
| Vanguard Retirement 2060 Index | 7.54 | 2.61 | 10.98 | 7.74 | 10.50 | - | 25.36 | -7.77 | 21.54 | 9.13 | -1.25 | 7.61 |
| +/- Index | (0.15) | (0.54) | (0.72) | (0.43) | (0.38) | - | (0.40) | (0.10) | (0.18) | (0.28) | (0.43) | (0.45) |
| US Fund Target-Date 2060+ | 47 | 31 | 38 | 29 | 48 | - | 66 | 34 | 53 | 21 | 46 | 8 |

CITY OF SANTA CLARA
457 Deferred Compensation Plan

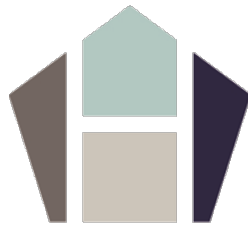
PLAN FEE ANALYSIS
Third Quarter 2020

Annualized

| Fund | Ticker | Quarter Average | | | Est. Total Invest. | Est. Total Admin. |
|---|--------|----------------------|-------------------|-----------|--------------------|-------------------|
| | | Assets | Net Expense Ratio | Admin Fee | Cost | Cost |
| Nationwide Fixed Fund* | - | \$60,758,155 | 0.40% | 0.02% | \$243,033 | \$12,152 |
| Fidelity US Bond Index | FXNAX | \$2,537,510 | 0.03% | 0.02% | \$634 | \$508 |
| Sterling Capital Total Return Bond R6 | STRDX | \$3,023,442 | 0.35% | 0.02% | \$10,582 | \$605 |
| Hotchkis & Wiley High Yield Z | HWHZX | \$1,365,106 | 0.60% | 0.02% | \$8,191 | \$273 |
| DFA US Large Cap Value I | DFLVX | \$4,786,895 | 0.26% | 0.02% | \$12,446 | \$957 |
| Fidelity 500 Index | FXAIX | \$26,592,879 | 0.02% | 0.02% | \$3,989 | \$5,319 |
| T. Rowe Price Large Cap Growth I | TRLGX | \$16,389,126 | 0.56% | 0.02% | \$91,779 | \$3,278 |
| MFS Mid Cap Value R6 | MVCKX | \$1,459,375 | 0.68% | 0.02% | \$9,924 | \$292 |
| Fidelity Mid Cap Index | FSMDX | \$2,704,520 | 0.03% | 0.02% | \$676 | \$541 |
| WTC-CIF II Mid Cap Opportunities (Series 3) | - | \$4,473,824 | 0.57% | 0.02% | \$25,501 | \$895 |
| DFA US Targeted Value I | DFFVX | \$1,874,689 | 0.36% | 0.02% | \$6,749 | \$375 |
| Fidelity Small Cap Index | FSSNX | \$1,327,180 | 0.03% | 0.02% | \$332 | \$265 |
| Vanguard Small Growth Index Adm | VSGAX | \$3,283,154 | 0.07% | 0.02% | \$2,298 | \$657 |
| MFS International Intrinsic Value Equity R6 | MINJX | \$3,657,666 | 0.63% | 0.02% | \$23,043 | \$732 |
| Fidelity Total International Index | FTIHX | \$2,915,843 | 0.06% | 0.02% | \$1,750 | \$583 |
| Vanguard International Growth Adm | VWILX | \$6,487,523 | 0.32% | 0.02% | \$20,760 | \$1,298 |
| Vanguard Target Retirement Income Inv | VTINX | \$1,407,353 | 0.12% | 0.02% | \$1,689 | \$281 |
| Vanguard Target Retirement 2020 Inv | VTWNX | \$304,340 | 0.13% | 0.02% | \$396 | \$61 |
| Vanguard Target Retirement 2025 Inv | VTTVX | \$14,706,972 | 0.13% | 0.02% | \$19,119 | \$2,941 |
| Vanguard Target Retirement 2030 Inv | VTHRX | \$267,099 | 0.14% | 0.02% | \$374 | \$53 |
| Vanguard Target Retirement 2035 Inv | VTTHX | \$6,461,108 | 0.14% | 0.02% | \$9,046 | \$1,292 |
| Vanguard Target Retirement 2040 Inv | VFORX | \$303,707 | 0.14% | 0.02% | \$425 | \$61 |
| Vanguard Target Retirement 2045 Inv | VTIVX | \$5,861,445 | 0.15% | 0.02% | \$8,792 | \$1,172 |
| Vanguard Target Retirement 2050 Inv | VFIFX | \$470,554 | 0.15% | 0.02% | \$706 | \$94 |
| Vanguard Target Retirement 2055 Inv | VFFVX | \$1,002,325 | 0.15% | 0.02% | \$1,503 | \$200 |
| Vanguard Target Retirement 2060 Inv | VTTSX | \$178,875 | 0.15% | 0.02% | \$268 | \$36 |
| TOTAL | | \$174,600,666 | | | \$504,004 | \$34,920 |

| Plan Administration Cost | Quarter | Annualized |
|-------------------------------|---------|------------|
| Plan Generated Revenue (est): | \$8,730 | \$34,920 |

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



HYAS
GROUP

CITY OF SANTA CLARA

457 Deferred Compensation Plan

September 30, 2020 Performance Report

TABLE OF CONTENTS

| | |
|------------------|-------------------------------|
| Section 1 | Market Overview |
| Section 2 | Account Review |
| Section 3 | Investment Performance Review |
| Section 4 | Plan Fee/Revenue Review |
| Section 5 | Fund Attribution |

Section 1

**CAUTIOUS TOLERANCE**

The Department of Labor (DOL) has a long history of written bulletins concerning Environment, Social and Governance (ESG) investment offerings. The messaging of these bulletins, which in our view constitute the most directly applicable fiduciary guidance within the US, generally states that the utilization of ESG factors as part of the broader investment research process is permitted, but that the pursuit of economic gains remains the primary fiduciary responsibility. This is mentioned to illustrate the cautious regulatory tolerance of ESG factor consideration in the broader research process, but that these ESG factors may not be considered ahead of purely economic factors.

Why doesn't the DOL fully embrace ESG offerings? A recent article published by the CFA Institute addresses the challenges of evaluating ESG performance results. "The argument that ESG factors lead to better long-term performance outcomes is much harder to prove than we might imagine. Academics have found a surprisingly low correlation between ESG ratings across providers. In other words, experts can't even agree on which firms have solid ESG credentials in the first place. Part of the problem is that the ESG umbrella encompasses so many different issues, whose salience is continually shifting." The lack of any industry standards makes performance comparisons and risk assessments very difficult and risks serving as an excuse for underperformance and higher fees.

Another salient point often made by industry professionals is that if ESG factors were unequivocally responsible for higher returns on capital and hence higher stock returns, both corporate management and investment managers would have a direct economic incentive to incorporate them into their everyday operations. There would be no need for dedicated ESG investment strategies, as all managers across the industry would seek to utilize the ESG factors to gain an advantage and those who didn't would likely underperform. It does appear that ESG data is becoming more readily available and increasingly considered across the industry. If ESG factor analysis can add value above other approaches, at the very least in certain market junctures, we would expect our investment managers' utilization of ESG factors to increase. However, it is plausible that ESG may not add value at various times and that constraining investment managers to employ ESG factors would run against participants' financial interests and the fiduciary imperative.

One of the lesser discussed challenges of evaluating ESG contributions to performance is causality. In simple terms, do higher ESG credentials drive higher returns on capital for companies, or do companies with higher returns on capital simply have the option to spend more on ESG initiatives? At the surface, it may be easy to make the case that many of today's fast-growing technology leaders have both high returns on capital and high ESG credentials. However, many of these are companies fairly early on in their business cycles with significant competitive advantages and few substitute products in the marketplace. As a result, these companies tend to generate higher than average returns on capital, potentially allowing them to invest higher amounts in managing ESG initiatives. Those seeking to market ESG investment products are likely to imply that ESG policies are key drivers of outsized returns. Traditional economic analysis may consider the ESG initiatives a byproduct of the company's unique competitive advantage. Isolating and quantifying causality is extremely important (and extremely difficult) when evaluating the true impact of ESG policies.

We are encouraged by the increasing consideration of ESG factors across the broader investment industry. We expect this awareness to have a positive impact on the investment industry and potentially lead to better corporate practices and possibly even better returns on capital. That said, the historical and proposed fiduciary standards from the DOL emphasize that economic factors must still come first and that ESG or other non-economic factors are secondary. The industry's failure to clearly define what constitutes high ESG standards and effectively quantify causality makes evaluating any contribution to returns extremely difficult and longer-term performance comparisons remain inconclusive.

GLOBAL ECONOMIC LANDSCAPE

- The domestic financial markets continue to focus on prospects for a new fiscal stimulus bill. Negotiations continue to be stalled as the two political parties seek to find middle ground. The Republicans more recently offered a \$1.8 trillion stimulus package coming close to the \$2.2 trillion package supported by the Democratic party. The Trump administration is focused on short-term payroll assistance to US airline companies. The US Travel Association is on record stating that 1.3 million additional jobs (roughly 50% of all travel-support staff jobs) are at risk without immediate aid.
- September unemployment rates fell to 7.9% nationally, down from a pandemic peak of nearly 15%. Home sales continued at a brisk pace buoyed by declining mortgage rates, which ended the quarter below 3.0%. After falling in the second quarter, prices (inflation) stabilized during the third quarter.
- The Fed left the fed funds rate unchanged during its July meeting. They did state they expected interest rates to remain low through 2023 and they will support rates near zero until inflation can exceed 2% for a sustained period of time. The Fed's open market support of credit markets is expected to suppress nominal yields and keep credit spreads tightly range bound. This is especially the case for shorter-dated fixed income securities.
- International economies continue to rebound as global COVID restrictions are eased. Brazil is seeing one of the strongest global rebounds with retail sales rising 4.6% in August after rising 7.1% in July. Retail sales are now running above pre-pandemic levels. India has also shown significant economic improvements with manufacturing indicators rising to 49.8 in September from 46.0 in August.

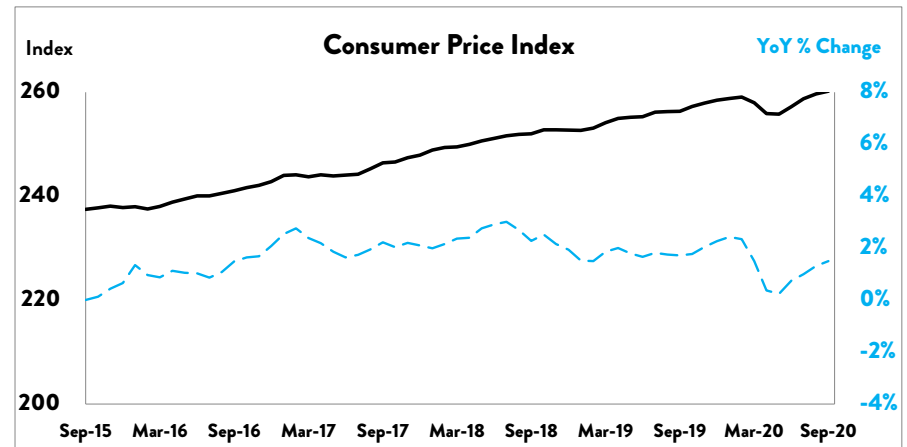
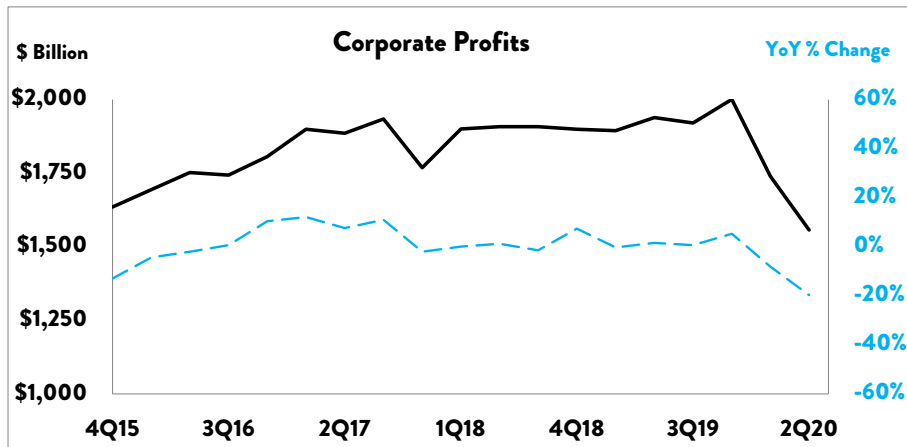
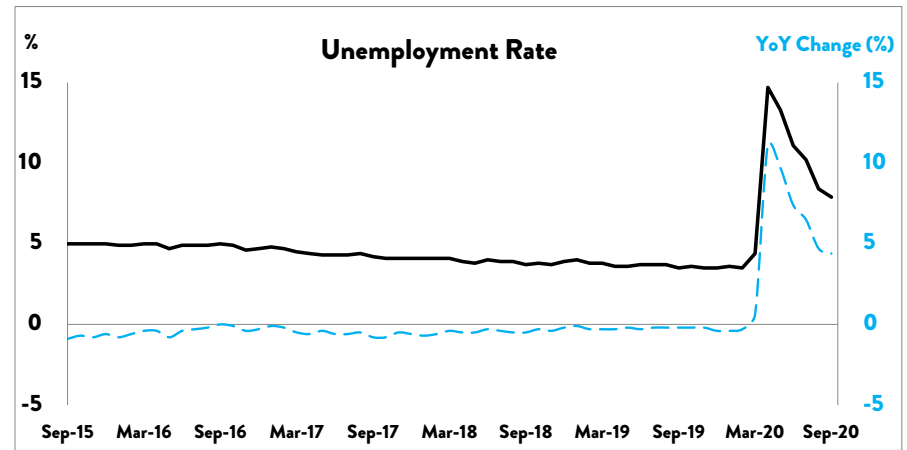
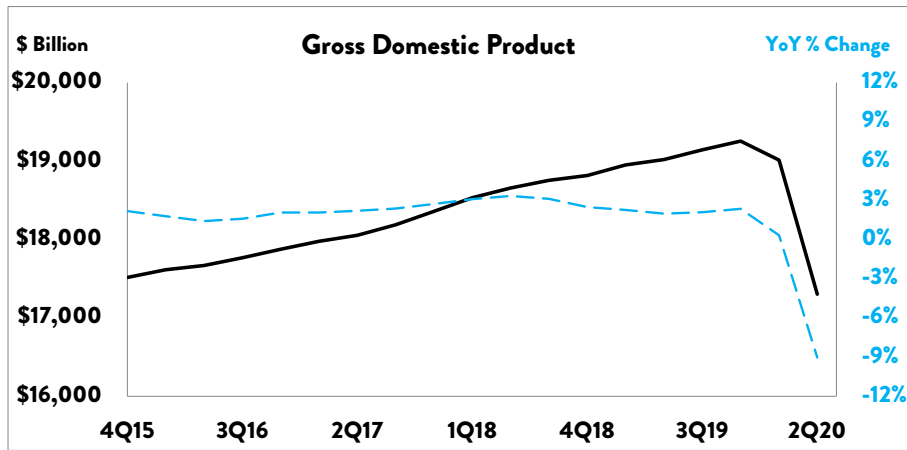
GLOBAL FINANCIAL MARKETS

- The stock market rally continued in the third quarter despite a September sell-off led by big name technology stocks. The Nasdaq-100 Index (large cap technology index) continued its reign of dominance over broader large-cap indexes, gaining 12.6% during the quarter compared to an 8.9% gain for the S&P 500 Index. The Nasdaq-100 Index's outperformance continued a long-term trend that has seen it return 20.4% on an annual basis for the 10-year period ended September 30, 2020 against a 13.7% annual return for the S&P 500 Index over the same period.
- Investors witnessed a significant divergence in global stock market leadership this quarter. While large cap stocks continued to dominate US markets, small cap stocks provided leadership across many international markets. International small cap stocks outperformed the broader international markets by over 4.0% during the quarter and now nearly 2.0% YTD.
- Global currency markets remain highly volatile as extensive global fiscal and monetary policies continue to address the challenges of a global pandemic. The US Dollar Index declined by 3.6% in the third quarter, reflecting better relative economic results in other parts of the world.

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, 2020

3Q2020 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 | 661,000 | 4,781,000 | -20,787,000 | 300 | Sep-20 |
| Unemployment Rate | 7.9% | 14.7% | 3.5% | 4.9% | Sep-20 |
| Median Unemployment Length (Weeks) | 18.2 | 18.2 | 4.0 | 10.0 | Sep-20 |
| Average Hourly Earnings | \$29.47 | \$30.03 | \$25.20 | \$27.05 | Sep-20 |

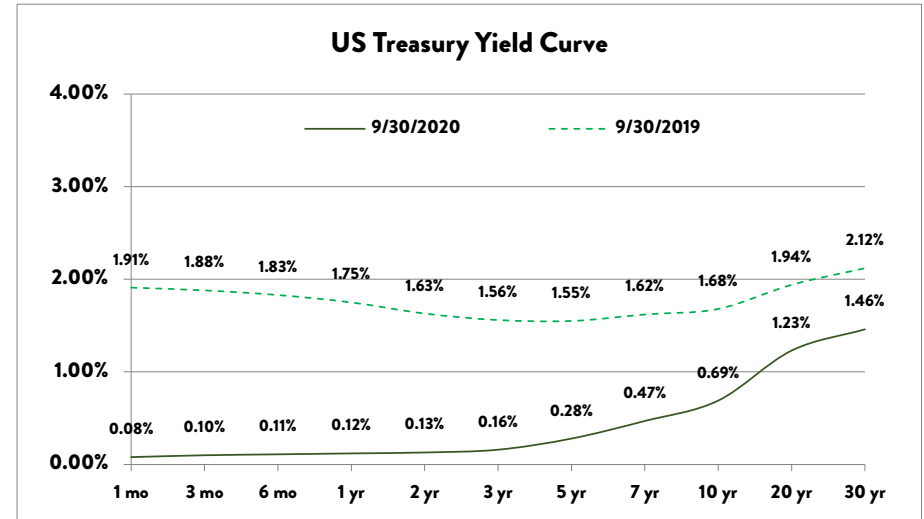
Source: Federal Reserve Bank of St. Louis and Bureau of Labor Statistics

| Other Prices and Indexes (Monthly) | | | | | |
|------------------------------------|---------|-----------|----------|------------|--------|
| Category | Recent | 5-Yr High | 5-Yr Low | % Off Peak | Date |
| Gas: Price per Gallon | \$2.17 | \$2.88 | \$1.79 | -24.9% | Sep-20 |
| Spot Oil | \$39.63 | \$70.98 | \$16.55 | -44.2% | Sep-20 |
| Case-Shiller Home Price Index | 224.7 | 224.7 | 180.0 | 24.8%* | Jul-20 |
| Medical Care CPI | 523.5 | 523.6 | 450.6 | 16.2%* | Sep-20 |

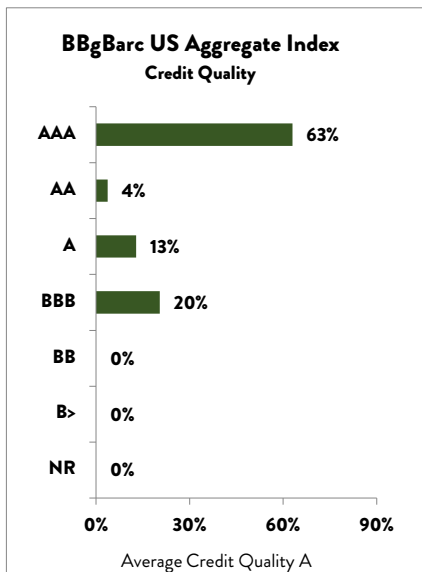
*% Off Low

3Q2020 Bond Market Data

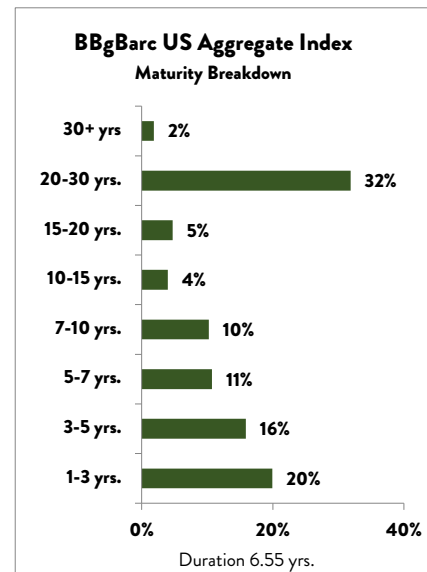
| Index | QTR | YTD | 1 yr. | 3 yrs. | 5 yrs. | 10 yrs. |
|----------------------------|-------|--------|--------|--------|--------|---------|
| 90-Day T-Bill | 0.03% | 0.34% | 0.75% | 1.58% | 1.14% | 0.60% |
| BBgBarc US Aggregate | 0.62% | 6.79% | 6.98% | 5.24% | 4.18% | 3.64% |
| BBgBarc Short US Treasury | 0.05% | 0.92% | 1.43% | 1.83% | 1.31% | 0.74% |
| BBgBarc Int. US Treasury | 0.19% | 6.02% | 6.03% | 4.06% | 2.77% | 2.34% |
| BBgBarc Long US Treasury | 0.12% | 21.35% | 16.34% | 11.87% | 8.21% | 7.21% |
| BBgBarc US TIPS | 3.03% | 9.22% | 10.08% | 5.79% | 4.61% | 3.57% |
| BBgBarc US Credit | 1.50% | 6.39% | 7.50% | 6.19% | 5.75% | 4.92% |
| BBgBarc US Mortgage-Backed | 0.11% | 3.62% | 4.36% | 3.68% | 2.98% | 3.01% |
| BBgBarc US Asset-Backed | 0.79% | 4.14% | 4.55% | 3.47% | 2.68% | 2.40% |
| BBgBarc US 20-Yr Municipal | 1.38% | 3.46% | 4.13% | 5.17% | 4.74% | 4.99% |
| BBgBarc US High Yield | 4.60% | 0.62% | 3.25% | 4.21% | 6.79% | 6.47% |
| BBgBarc Global | 2.66% | 5.72% | 6.24% | 4.10% | 3.92% | 2.36% |
| BBgBarc International | 4.14% | 4.77% | 5.48% | 3.07% | 3.60% | 1.35% |
| BBgBarc Emerging Market | 2.37% | 1.93% | 4.06% | 4.21% | 6.18% | 5.42% |



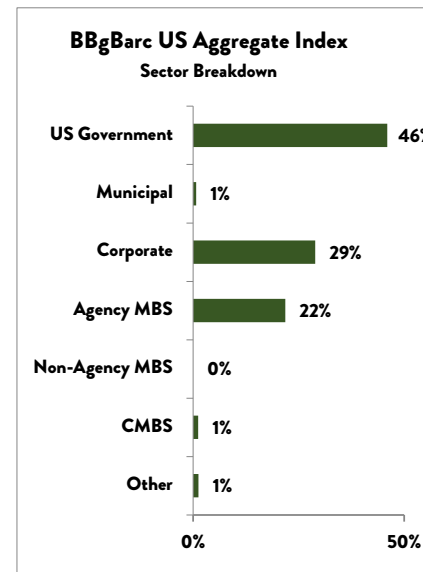
Source: Department of US Treasury



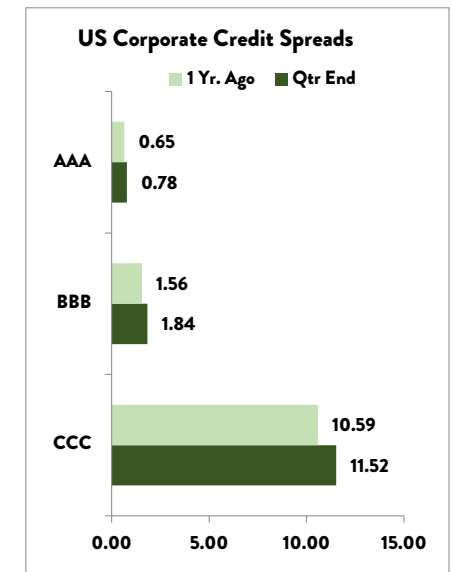
Source: Morningstar



Source: Morningstar



Source: Morningstar



Source: Federal Reserve / Bank of America

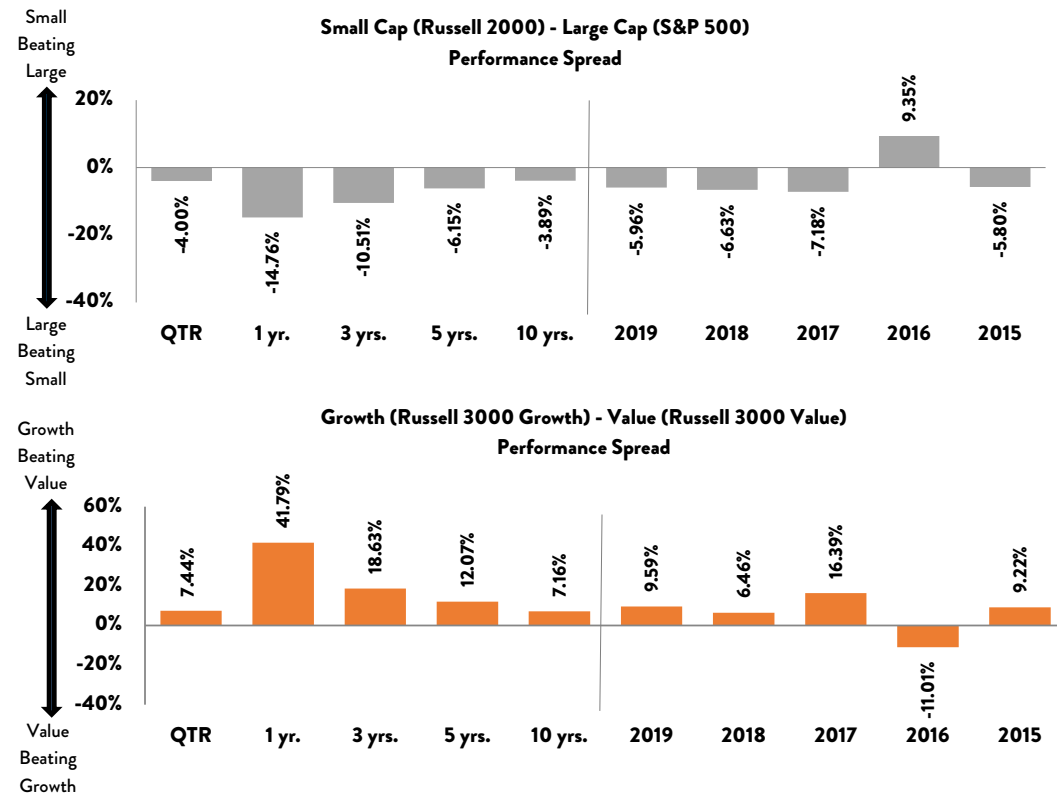
3Q2020 US Equity Market Data

Sectors Weights/Returns (ranked by quarter performance)

| | Wgt. | Sector | Performance | | |
|------------------------|------------------------|------------------------|-------------|---------|---------|
| | | | QTR | YTD | 1 yr. |
| S&P 500 Index | 12% | Consumer Discretionary | 15.06% | 23.38% | 28.89% |
| | 3% | Materials | 13.31% | 5.47% | 12.19% |
| | 8% | Industrials | 12.48% | -3.99% | 1.32% |
| | 28% | Information Technology | 11.95% | 28.69% | 47.23% |
| | 7% | Consumer Staples | 10.38% | 4.13% | 7.79% |
| | 11% | Communication Services | 8.94% | 8.60% | 18.37% |
| | 3% | Utilities | 6.14% | -5.68% | -4.97% |
| | 14% | Health Care | 5.87% | 5.01% | 20.11% |
| | 10% | Financials | 4.45% | -20.22% | -11.87% |
| | 3% | Real Estate | 1.92% | -6.78% | -7.28% |
| S&P Midcap 400 Index | 2% | Energy | -19.72% | -48.09% | -45.24% |
| | 16% | Consumer Discretionary | 13.80% | 6.99% | 15.29% |
| | 4% | Consumer Staples | 10.73% | 9.10% | 12.40% |
| | 18% | Industrials | 10.19% | -4.24% | 3.80% |
| | 6% | Materials | 6.73% | -8.70% | -2.41% |
| | 16% | Information Technology | 5.47% | 1.00% | 12.35% |
| | 11% | Health Care | 3.65% | 9.45% | 21.53% |
| | 2% | Communication Services | 0.24% | -16.30% | -13.10% |
| | 9% | Real Estate | -2.08% | -26.15% | -24.12% |
| | 14% | Financials | -2.85% | -25.94% | -22.13% |
| S&P Smallcap 600 Index | 4% | Utilities | -4.27% | -24.35% | -25.94% |
| | 1% | Energy | -11.09% | -53.04% | -46.82% |
| | 15% | Consumer Discretionary | 14.40% | -0.62% | 6.19% |
| | 14% | Health Care | 9.17% | 2.36% | 16.75% |
| | 18% | Industrials | 6.53% | -12.28% | -5.91% |
| | 5% | Materials | 2.13% | -16.00% | -9.75% |
| | 4% | Consumer Staples | 1.57% | -6.79% | 1.16% |
| | 14% | Information Technology | -0.58% | -9.82% | 0.73% |
| | 8% | Real Estate | -1.43% | -26.22% | -24.17% |
| | 16% | Financials | -3.60% | -31.48% | -26.10% |
| 3% | Communication Services | -5.89% | -2.82% | -0.08% | |
| 3% | Energy | -9.68% | -58.94% | -56.27% | |
| 2% | Utilities | -10.02% | -22.69% | -22.64% | |

Index Performance Data

| Index | QTR | YTD | 1 yr. | Annualized | | |
|------------------------|--------|---------|---------|------------|--------|---------|
| | | | | 3 yrs. | 5 yrs. | 10 yrs. |
| S&P 500 | 8.93% | 5.57% | 15.15% | 12.28% | 14.15% | 13.74% |
| Russell 1000 Value | 5.59% | -11.58% | -5.03% | 2.63% | 7.66% | 9.95% |
| Russell 1000 Growth | 13.22% | 24.33% | 37.53% | 21.67% | 20.10% | 17.25% |
| Russell Mid Cap | 7.46% | -2.35% | 4.55% | 7.13% | 10.13% | 11.76% |
| Russell Mid Cap Value | 6.40% | -12.84% | -7.30% | 0.82% | 6.38% | 9.71% |
| Russell Mid Cap Growth | 9.37% | 13.92% | 23.23% | 16.23% | 15.53% | 14.55% |
| Russell 2000 | 4.93% | -8.69% | 0.39% | 1.77% | 8.00% | 9.85% |
| Russell 2000 Value | 2.56% | -21.54% | -14.88% | -5.13% | 4.11% | 7.09% |
| Russell 2000 Growth | 7.16% | 3.88% | 15.71% | 8.18% | 11.42% | 12.34% |
| Russell 3000 | 9.21% | 5.41% | 15.00% | 11.65% | 13.69% | 13.48% |
| DJ US Select REIT | 0.83% | -21.36% | -22.33% | -1.85% | 1.99% | 7.03% |



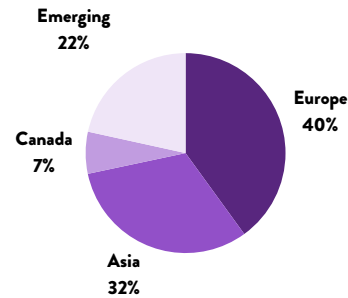
3Q2020 International Market Data

Index Performance Data (net)

| Index (US\$) | QTR | YTD | 1 yr. | 3 yrs. | 5 yrs. | 10 yrs. |
|-------------------------------|---------------|----------------|----------------|----------------|---------------|---------------|
| MSCI ACWI ex-US | 6.25% | -5.44% | 3.00% | 1.16% | 6.23% | 4.00% |
| MSCI EAFE | 4.80% | -7.09% | 0.49% | 0.62% | 5.26% | 4.62% |
| Europe | 4.51% | -8.85% | -0.79% | -0.61% | 4.24% | 4.26% |
| United Kingdom | -0.23% | -23.44% | -15.82% | -5.61% | -0.42% | 2.02% |
| Germany | 8.32% | 0.06% | 9.96% | -1.13% | 5.85% | 5.29% |
| France | 2.76% | -13.53% | -6.18% | -1.26% | 5.42% | 4.09% |
| Pacific | 5.39% | -4.10% | 2.63% | 2.81% | 7.33% | 5.39% |
| Japan | 6.94% | -0.68% | 6.91% | 3.94% | 7.51% | 6.20% |
| Hong Kong | 1.56% | -8.34% | -1.64% | -0.22% | 6.59% | 5.46% |
| Australia | 2.82% | -11.52% | -7.72% | 0.73% | 7.06% | 3.30% |
| Canada | 6.16% | -7.55% | -3.03% | 0.58% | 6.01% | 2.05% |
| MSCI EM | 9.56% | -1.16% | 10.54% | 2.42% | 8.97% | 2.50% |
| MSCI EM Latin America | -1.28% | -36.06% | -29.36% | -11.84% | 2.06% | -5.74% |
| MSCI EM Asia | 11.92% | 8.01% | 21.52% | 5.67% | 11.30% | 5.45% |
| MSCI EM Eur/Mid East | 1.02% | -19.18% | -12.31% | -2.59% | 3.30% | -2.89% |
| MSCI ACWI Value ex-US | 2.28% | -17.60% | -10.83% | -5.09% | 2.14% | 1.50% |
| MSCI ACWI Growth ex-US | 10.16% | 7.27% | 17.54% | 7.33% | 10.16% | 6.38% |
| MSCI ACWI Sm Cap ex-US | 10.50% | -3.64% | 6.97% | 0.93% | 6.80% | 5.31% |

Regional Exposure

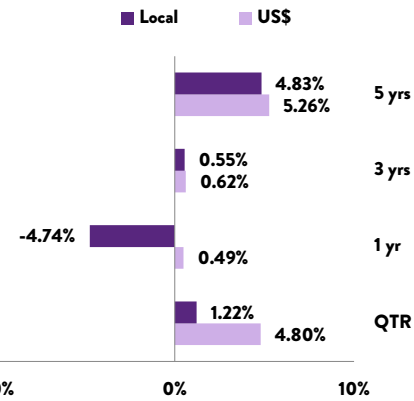
MSCI ACWI ex-USA



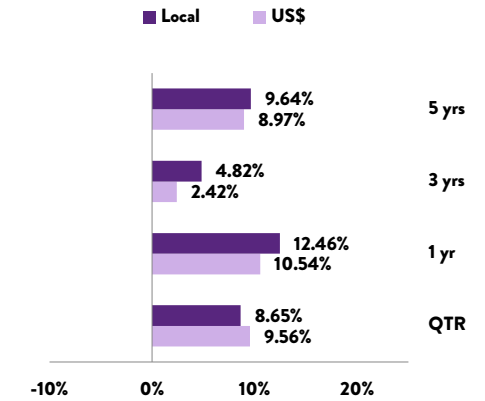
Top 10 Countries (MSCI AC World ex-USA)

| | |
|-------------|-----|
| Japan | 17% |
| China | 12% |
| UK | 9% |
| France | 7% |
| Switzerland | 7% |
| Canada | 7% |
| Germany | 6% |
| Australia | 4% |
| Taiwan | 4% |
| South Korea | 4% |

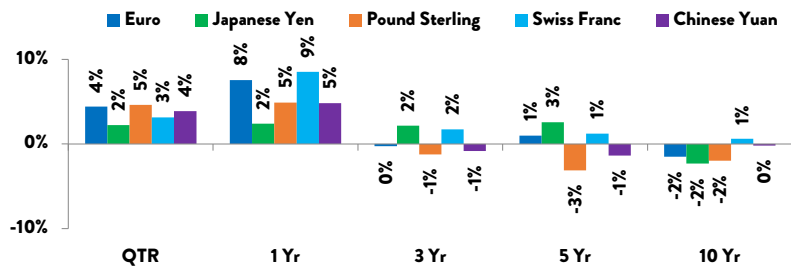
MSCI EAFE Index Return



MSCI Emerging Index Return

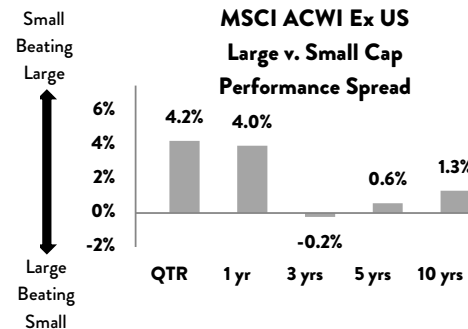


Foreign Currency v. US\$ Returns

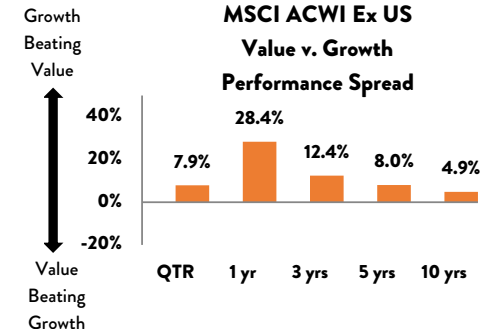


| Exchange Rates | QTR | 2Q20 | 1Q20 | 4Q19 | 3Q19 | 2Q19 |
|----------------------|--------|--------|--------|--------|--------|--------|
| Japanese Yen | 105.58 | 107.77 | 107.53 | 108.67 | 108.11 | 107.84 |
| Euro | 0.85 | 0.89 | 0.91 | 0.89 | 0.92 | 0.88 |
| British Pound | 0.77 | 0.81 | 0.80 | 0.75 | 0.81 | 0.79 |
| Swiss Franc | 0.92 | 0.95 | 0.96 | 0.97 | 1.00 | 0.98 |
| Chinese Yuan | 6.79 | 7.07 | 7.08 | 6.96 | 7.15 | 6.87 |

MSCI ACWI Ex US Large v. Small Cap Performance Spread



MSCI ACWI Ex US Value v. Growth Performance Spread



Historical Market Returns

Ranked by Performance

| 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | YTD | 3Q20 |
|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|---------------------------|
| 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% | TIPS 9.22% | Emerging Markets 9.56% |
| 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% | US Bonds 6.79% | Commod. 9.07% |
| 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% | Global Bonds 5.72% | Large Cap 8.93% |
| 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% | Large Cap 5.57% | Mid Cap 7.46% |
| 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 4.02% | Intl 6.25% |
| 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% | High Yield 0.62% | Global Balanced 5.69% |
| 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% | Cash 0.34% | Small Cap 4.93% |
| 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% | Core Real Estate -0.75% | High Yield 4.60% |
| 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% | Emerging Markets -1.16% | TIPS 3.03% |
| 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% | Mid Cap -2.35% | Global Bonds 2.66% |
| 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% | Intl -5.44% | US Bonds 0.62% |
| 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% | Small Cap -8.69% | Core Real Estate 0.27% |
| 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. -12.08% | Cash 0.03% |

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

Third Quarter 2020

| Fixed Income | Ticker | Assets | % |
|---------------------------------------|--------|---------------------|--------------|
| Nationwide Fixed Fund | - | \$60,520,559 | 31.4% |
| Fidelity US Bond Index | FXNAX | \$2,787,223 | 1.4% |
| Sterling Capital Total Return Bond R6 | STRDX | \$3,312,729 | 1.7% |
| Hotchkis & Wiley High Yield Z | HWHZX | \$1,467,231 | 0.8% |
| Total | | \$68,087,741 | 35.4% |

| Large Cap | Ticker | Assets | % |
|----------------------------------|--------|---------------------|--------------|
| DFA US Large Cap Value I | DFLVX | \$5,060,677 | 2.6% |
| Fidelity 500 Index | FXAIX | \$27,280,072 | 14.2% |
| T. Rowe Price Large Cap Growth I | TRLGX | \$17,457,355 | 9.1% |
| Total | | \$49,798,103 | 25.9% |

| Mid Cap | Ticker | Assets | % |
|---|--------|---------------------|-------------|
| MFS Mid Cap Value R6 | MVCKX | \$1,531,601 | 0.8% |
| Fidelity Mid Cap Index | FSMDX | \$2,875,863 | 1.5% |
| WTC-CIF II Mid Cap Opportunities (Series 3) | - | \$8,947,647 | 4.6% |
| Total | | \$13,355,111 | 6.9% |

| Small Cap | Ticker | Assets | % |
|---------------------------------|--------|--------------------|-------------|
| DFA US Targeted Value I | DFVFX | \$1,946,826 | 1.0% |
| Fidelity Small Cap Index | FSSNX | \$1,364,571 | 0.7% |
| Vanguard Small Growth Index Adm | VSGAX | \$3,361,122 | 1.7% |
| Total | | \$6,672,519 | 3.5% |

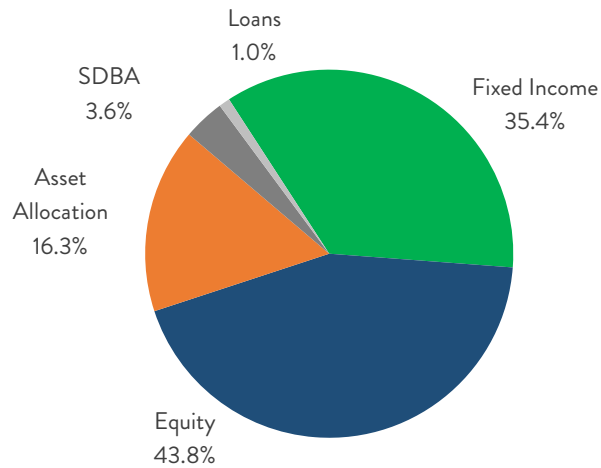
| International | Ticker | Assets | % |
|---|--------|---------------------|-------------|
| MFS International Intrinsic Value Equity R6 | MINJX | \$3,867,500 | 2.0% |
| Fidelity Total International Index | FTIHX | \$2,937,759 | 1.5% |
| Vanguard International Growth Adm | VWILX | \$7,629,696 | 4.0% |
| Total | | \$14,434,956 | 7.5% |

| Asset Allocation | Ticker | Assets | % |
|---------------------------------------|--------|---------------------|--------------|
| Vanguard Target Retirement Income Inv | VTINX | \$1,455,889 | 0.8% |
| Vanguard Target Retirement 2020 Inv | VTWNX | \$318,827 | 0.2% |
| Vanguard Target Retirement 2025 Inv | VTTVX | \$14,585,684 | 7.6% |
| Vanguard Target Retirement 2030 Inv | VTHRX | \$288,780 | 0.1% |
| Vanguard Target Retirement 2035 Inv | VTTX | \$6,599,376 | 3.4% |
| Vanguard Target Retirement 2040 Inv | VFORX | \$337,114 | 0.2% |
| Vanguard Target Retirement 2045 Inv | VTIVX | \$5,967,766 | 3.1% |
| Vanguard Target Retirement 2050 Inv | VFIFX | \$507,091 | 0.3% |
| Vanguard Target Retirement 2055 Inv | VFFVX | \$1,082,294 | 0.6% |
| Vanguard Target Retirement 2060 Inv | VTTSX | \$198,141 | 0.1% |
| Total | | \$31,340,963 | 16.3% |

| Miscellaneous | Ticker | Assets | % |
|----------------------|--------|--------------------|-------------|
| Self Directed Option | - | \$7,022,724 | 3.6% |
| Loans | - | \$1,865,971 | 1.0% |
| Total | | \$8,888,695 | 4.6% |

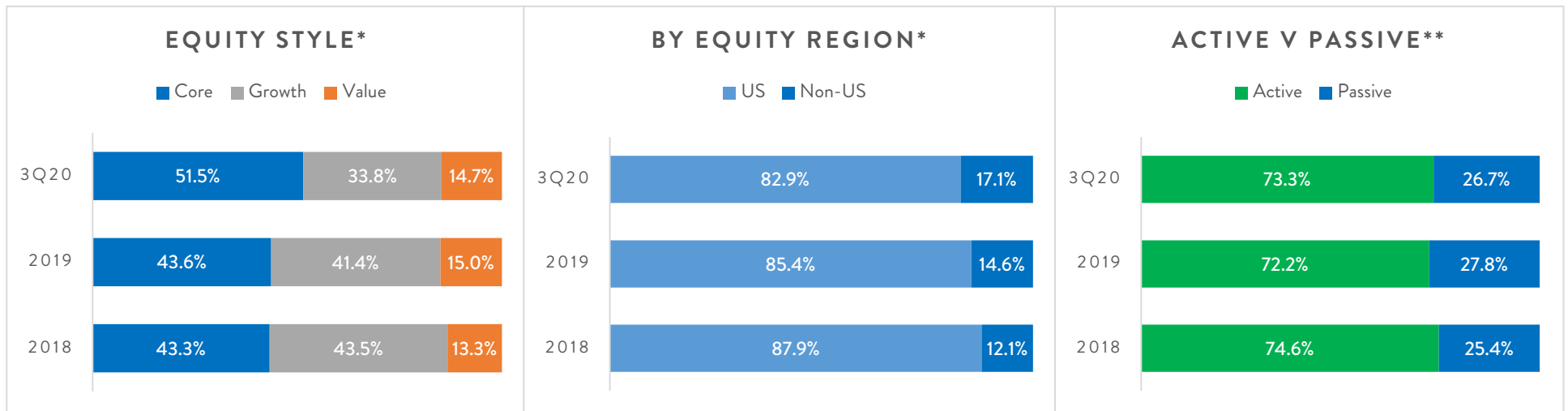
TOTAL PLAN ASSETS

\$192,578,087



HISTORICAL PLAN ALLOCATION

| Asset Class | 3Q20 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 |
|-------------------------|-------|-------|-------|------|------|------|------|------|
| Fixed Income | 35.4% | 35.5% | 38.7% | N/A | N/A | N/A | N/A | N/A |
| Large Cap | 25.9% | 26.3% | 26.1% | N/A | N/A | N/A | N/A | N/A |
| Mid Cap | 6.9% | 7.7% | 6.7% | N/A | N/A | N/A | N/A | N/A |
| Small Cap | 3.5% | 3.9% | 4.1% | N/A | N/A | N/A | N/A | N/A |
| International | 7.5% | 6.5% | 5.1% | N/A | N/A | N/A | N/A | N/A |
| Asset Allocation | 16.3% | 16.6% | 16.3% | N/A | N/A | N/A | N/A | N/A |
| SDBA | 3.6% | 2.8% | 2.6% | N/A | N/A | N/A | N/A | N/A |
| Loans | 1.0% | 0.7% | 0.5% | N/A | N/A | N/A | N/A | N/A |



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

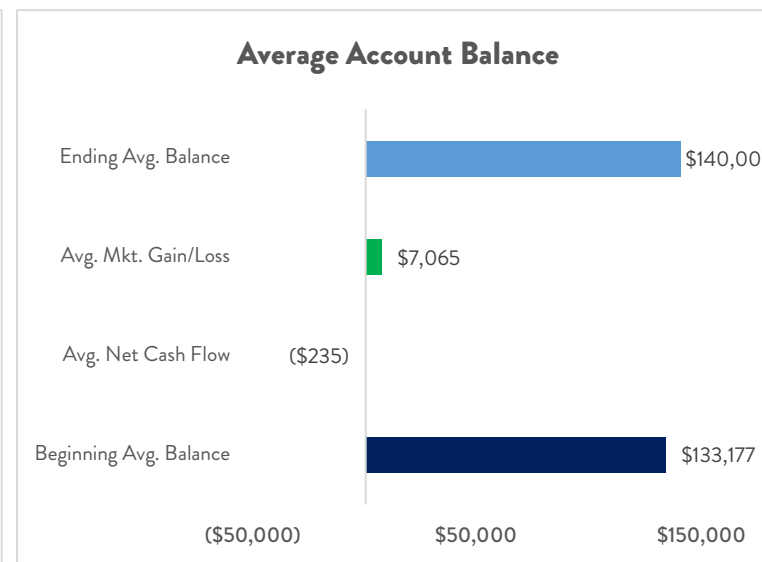
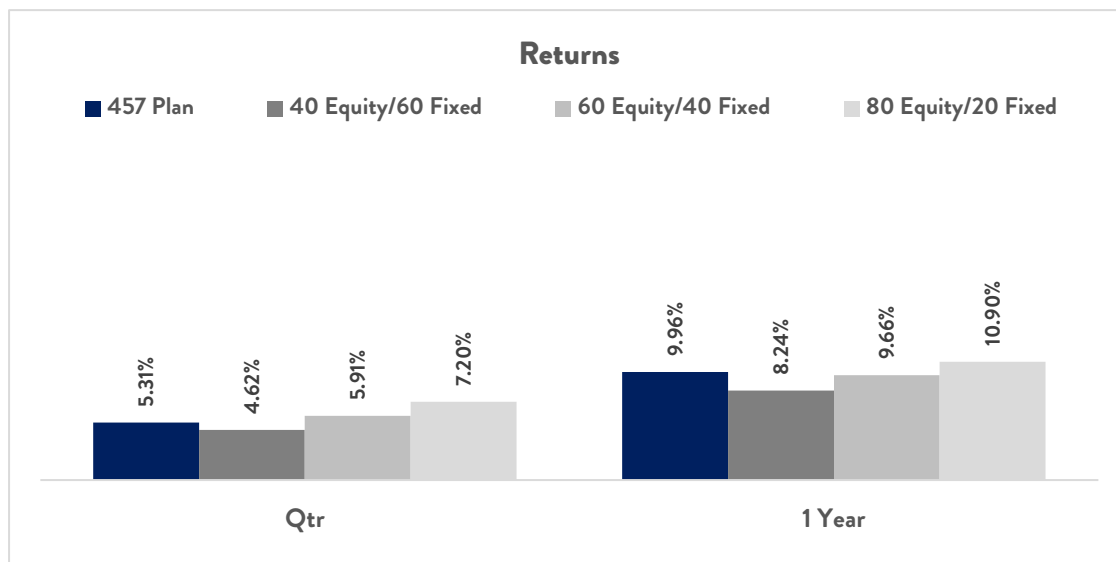
**Excludes Asset Allocation, Brokerage, and Loan assets

PLAN LEVEL CASH FLOWS

| | Beginning Value | Cash Flow (+) | Cash Flow (-) | Transfer | Market Gain/Loss | Ending Value |
|-------------------------|-----------------|---------------|---------------|---------------|------------------|---------------|
| Fixed Income | \$67,280,685 | \$836,457 | (\$1,609,100) | \$936,709 | \$642,990 | \$68,087,741 |
| Large Cap | \$45,739,697 | \$730,995 | (\$866,003) | (\$189,311) | \$4,382,725 | \$49,798,103 |
| Mid Cap | \$13,136,268 | \$279,153 | (\$218,235) | (\$473,117) | \$631,042 | \$13,355,111 |
| Small Cap | \$6,297,527 | \$146,764 | (\$115,075) | (\$39,886) | \$383,190 | \$6,672,519 |
| International | \$11,687,108 | \$265,925 | (\$203,585) | \$1,255,666 | \$1,429,842 | \$14,434,956 |
| Asset Allocation | \$30,586,596 | \$1,007,497 | (\$562,483) | (\$1,490,061) | \$1,799,414 | \$31,340,963 |
| Total | \$174,727,881 | \$3,266,789 | (\$3,574,481) | \$0 | \$9,269,203 | \$183,689,393 |

HISTORICAL PLAN CASH FLOWS

| | Beginning Value | Net Cash Flow | Market Gain/Loss | Ending Value |
|-------------|-----------------|---------------|------------------|---------------|
| 3Q20 | \$174,727,881 | (\$307,691) | \$9,269,203 | \$183,689,393 |
| YTD | \$174,412,951 | \$1,578,033 | \$7,698,409 | \$183,689,393 |
| 2019 | \$150,093,203 | (\$2,185,094) | \$26,504,842 | \$174,412,951 |
| 2018 | N/A | N/A | N/A | \$150,093,203 |
| 2017 | N/A | N/A | N/A | N/A |
| 2016 | 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 | Ⓟ | Ⓟ | - | |
| 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. Previous share class placed on watch. |
| 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 | Ⓟ | Ⓟ | - | |
| MFS International Intrinsic Value Equity R6 | Ⓟ | ● | - | 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 | Ⓟ | Ⓟ | - | |
| 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

Third Quarter 2020

| | QTR | YTD | 1Yr | <i>Annualized</i> | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|-------------|---------------|--------------|-------------------|-------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| Nationwide Fixed Fund | 0.86 | 2.61 | 3.50 | - | - | - | 3.50 | - | - | - | - | - |
| 5 Yr Constant Maturity US Treasury Yield | 0.07 | 0.45 | 0.85 | 1.89 | 1.78 | 1.55 | 1.96 | 2.75 | 1.91 | 1.44 | 1.53 | 1.64 |
| +/- Index | 0.80 | 2.17 | 2.65 | - | - | - | 1.54 | - | - | - | - | - |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Fidelity US Bond Index | 0.43 | 6.99 | 7.06 | 5.22 | 4.14 | 3.59 | 8.48 | 0.01 | 3.50 | 2.52 | 0.63 | 5.99 |
| BBgBarc Capital US Aggregate Bond Index | 0.62 | 6.79 | 6.98 | 5.24 | 4.18 | 3.64 | 8.72 | 0.01 | 3.54 | 2.65 | 0.55 | 5.97 |
| +/- Index | (0.19) | 0.20 | 0.07 | (0.02) | (0.04) | (0.04) | (0.23) | 0.00 | (0.04) | (0.13) | 0.08 | 0.02 |
| US Fund Intermediate Core Bond | 92 | 34 | 36 | 28 | 39 | 47 | 49 | 29 | 57 | 66 | 18 | 26 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Sterling Capital Total Return Bond R6 | 1.59 | 7.55 | 7.70 | 5.69 | 4.82 | 4.15 | 9.37 | -0.27 | 4.33 | 3.75 | 0.54 | 5.99 |
| BBgBarc Capital US Aggregate Bond Index | 0.62 | 6.79 | 6.98 | 5.24 | 4.18 | 3.64 | 8.72 | 0.01 | 3.54 | 2.65 | 0.55 | 5.97 |
| +/- Index | 0.97 | 0.76 | 0.71 | 0.45 | 0.64 | 0.51 | 0.65 | (0.28) | 0.79 | 1.10 | (0.01) | 0.02 |
| US Fund Intermediate Core Bond | 8 | 18 | 17 | 11 | 8 | 13 | 17 | 42 | 7 | 7 | 28 | 26 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Hotchkis & Wiley High Yield Z | 5.22 | -4.00 | -1.78 | 0.95 | 4.36 | 5.48 | 9.77 | -3.34 | 8.24 | 16.02 | -4.30 | 1.09 |
| BBgBarc Capital US Corp High Yield Index | 4.60 | 0.62 | 3.25 | 4.21 | 6.79 | 6.47 | 14.32 | -2.08 | 7.50 | 17.13 | -4.47 | 2.45 |
| +/- Index | 0.62 | (4.63) | (5.04) | (3.26) | (2.43) | (0.99) | (4.54) | (1.26) | 0.73 | (1.11) | 0.17 | (1.36) |
| US Fund High Yield Bond | 17 | 91 | 92 | 96 | 83 | 46 | 82 | 63 | 11 | 16 | 58 | 64 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| DFA US Large Cap Value I | 5.20 | -16.14 | -8.54 | -0.04 | 6.69 | 10.09 | 25.45 | -11.65 | 18.97 | 18.89 | -3.49 | 10.07 |
| Russell 1000 Value Index | 5.59 | -11.58 | -5.03 | 2.63 | 7.66 | 9.95 | 26.54 | -8.27 | 13.66 | 17.34 | -3.83 | 13.45 |
| +/- Index | (0.40) | (4.56) | (3.51) | (2.67) | (0.97) | 0.15 | (1.09) | (3.38) | 5.30 | 1.55 | 0.33 | (3.39) |
| US Fund Large Value | 44 | 83 | 76 | 79 | 63 | 29 | 49 | 83 | 20 | 14 | 46 | 60 |

CITY OF SANTA CLARA

457 Deferred Compensation Plan

PERFORMANCE REVIEW

Third Quarter 2020

| | QTR | YTD | 1Yr | <i>Annualized</i> | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|--------------|---------------|--------------|-------------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| Fidelity 500 Index | 8.94 | 5.58 | 15.14 | 12.27 | 14.14 | 13.73 | 31.47 | -4.40 | 21.81 | 11.97 | 1.38 | 13.66 |
| S&P 500 Index | 8.93 | 5.57 | 15.15 | 12.28 | 14.15 | 13.74 | 31.49 | -4.38 | 21.83 | 11.96 | 1.38 | 13.69 |
| +/- Index | 0.01 | 0.00 | 0.00 | (0.01) | (0.01) | (0.01) | (0.01) | (0.02) | (0.02) | 0.01 | 0.00 | (0.03) |
| US Fund Large Blend | 36 | 28 | 25 | 18 | 12 | 9 | 23 | 25 | 28 | 26 | 20 | 18 |
| T. Rowe Price Large Cap Growth I | 11.46 | 23.45 | 35.80 | 21.09 | 20.61 | 18.09 | 28.49 | 4.32 | 37.82 | 2.85 | 10.08 | 8.72 |
| Russell 1000 Growth Index | 13.22 | 24.33 | 37.53 | 21.67 | 20.10 | 17.25 | 36.39 | -1.51 | 30.21 | 7.08 | 5.67 | 13.05 |
| +/- Index | (1.76) | (0.88) | (1.73) | (0.59) | 0.51 | 0.84 | (7.90) | 5.83 | 7.61 | (4.22) | 4.41 | (4.33) |
| US Fund Large Growth | 46 | 35 | 33 | 30 | 14 | 10 | 80 | 7 | 3 | 52 | 7 | 66 |
| MFS Mid Cap Value R6 | 5.36 | -12.70 | -6.52 | 2.02 | 6.60 | 10.00 | 31.08 | -11.31 | 13.84 | 15.86 | -2.14 | 10.29 |
| Russell Mid Cap Value Index | 6.40 | -12.84 | -7.30 | 0.82 | 6.38 | 9.71 | 27.06 | -12.29 | 13.34 | 20.00 | -4.78 | 14.75 |
| +/- Index | (1.04) | 0.14 | 0.78 | 1.20 | 0.22 | 0.29 | 4.02 | 0.98 | 0.50 | (4.14) | 2.64 | (4.46) |
| US Fund Mid-Cap Value | 34 | 21 | 23 | 11 | 18 | 7 | 7 | 32 | 44 | 66 | 18 | 46 |
| Fidelity Mid Cap Index | 7.49 | -2.32 | 4.58 | 7.14 | 10.13 | - | 30.51 | -9.05 | 18.47 | 13.86 | -2.44 | 13.11 |
| Russell Mid Cap Index | 7.46 | -2.35 | 4.55 | 7.13 | 10.13 | 11.76 | 30.54 | -9.06 | 18.52 | 13.80 | -2.44 | 13.22 |
| +/- Index | 0.03 | 0.03 | 0.03 | 0.01 | 0.00 | - | (0.03) | 0.01 | (0.05) | 0.07 | 0.00 | (0.10) |
| US Fund Mid-Cap Blend | 25 | 19 | 19 | 18 | 14 | - | 18 | 29 | 24 | 59 | 27 | 7 |
| WTC-CIF II Mid Cap Opportunities (Series 3) | 4.42 | -0.95 | 5.92 | 9.58 | 11.82 | 12.87 | 33.06 | -7.03 | 24.54 | 12.14 | 2.20 | 11.61 |
| Russell Mid Cap Growth Index | 9.37 | 13.92 | 23.23 | 16.23 | 15.53 | 14.55 | 35.47 | -4.75 | 25.27 | 7.33 | -0.20 | 11.90 |
| +/- Index | (4.95) | (14.87) | (17.31) | (6.65) | (3.71) | (1.68) | (2.41) | (2.28) | (0.73) | 4.81 | 2.40 | (0.29) |
| US Fund Mid-Cap Growth | 93 | 91 | 90 | 84 | 81 | 70 | 55 | 64 | 51 | 8 | 24 | 14 |

CITY OF SANTA CLARA

457 Deferred Compensation Plan

PERFORMANCE REVIEW

Third Quarter 2020

| | QTR | YTD | 1Yr | Annualized | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|-------------|---------------|---------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|-------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| DFA US Targeted Value I | 4.02 | -21.84 | -15.13 | -5.81 | 2.55 | 7.31 | 21.47 | -15.78 | 9.59 | 26.86 | -5.72 | 2.94 |
| Russell 2000 Value Index | 2.56 | -21.54 | -14.88 | -5.13 | 4.11 | 7.09 | 22.39 | -12.86 | 7.84 | 31.74 | -7.47 | 4.22 |
| +/- Index | 1.46 | (0.30) | (0.25) | (0.68) | (1.56) | 0.22 | (0.92) | (2.92) | 1.75 | (4.88) | 1.75 | (1.28) |
| US Fund Small Value | 31 | 54 | 49 | 49 | 46 | 28 | 52 | 55 | 40 | 40 | 46 | 65 |
| Fidelity Small Cap Index | 4.98 | -8.60 | 0.55 | 1.92 | 8.19 | - | 25.71 | -10.88 | 14.85 | 21.63 | -4.24 | 5.19 |
| Russell 2000 Index | 4.93 | -8.69 | 0.39 | 1.77 | 8.00 | 9.85 | 25.52 | -11.01 | 14.65 | 21.31 | -4.41 | 4.89 |
| +/- Index | 0.05 | 0.09 | 0.16 | 0.15 | 0.18 | - | 0.18 | 0.14 | 0.20 | 0.32 | 0.17 | 0.30 |
| US Fund Small Blend | 35 | 23 | 18 | 17 | 12 | - | 30 | 33 | 22 | 40 | 44 | 40 |
| Vanguard Small Growth Index Adm | 7.74 | 8.53 | 18.68 | 12.85 | 13.69 | 13.31 | 32.76 | -5.68 | 21.92 | 10.73 | -2.52 | 4.02 |
| Vanguard US Small Cap Growth Index | 7.77 | 8.58 | 18.73 | 12.87 | 13.67 | 13.26 | 32.75 | -5.68 | 21.90 | 10.62 | -2.60 | 3.98 |
| +/- Index | (0.03) | (0.05) | (0.04) | (0.02) | 0.02 | 0.05 | 0.01 | 0.00 | 0.02 | 0.11 | 0.09 | 0.03 |
| US Fund Small Growth | 53 | 45 | 46 | 39 | 42 | 40 | 27 | 50 | 46 | 48 | 54 | 46 |
| MFS International Intrinsic Value Equity R6 | 8.55 | 9.63 | 17.82 | 10.06 | 12.00 | 10.97 | 25.99 | -8.89 | 27.25 | 4.31 | 6.85 | 1.61 |
| MSCI EAFE Value (Net) Index | 1.19 | -18.31 | -11.93 | -5.86 | 1.14 | 2.10 | 16.09 | -14.78 | 21.44 | 5.02 | -5.68 | -5.39 |
| +/- Index | 7.36 | 27.94 | 29.75 | 15.92 | 10.86 | 8.87 | 9.90 | 5.89 | 5.81 | (0.72) | 12.54 | 7.00 |
| US Fund Foreign Large Value | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 12 | 21 | 2 | 1 |
| Fidelity Total International Index | 6.78 | -4.91 | 3.67 | 1.25 | - | - | 21.48 | -14.38 | 27.63 | - | - | - |
| MSCI ACWI Ex-USA IMI (Net) Index | 6.80 | -5.21 | 3.51 | 1.13 | 6.31 | 4.17 | 21.63 | -14.76 | 27.81 | 4.41 | -4.60 | -3.89 |
| +/- Index | (0.01) | 0.30 | 0.15 | 0.12 | - | - | (0.16) | 0.37 | (0.18) | - | - | - |
| US Fund Foreign Large Blend | 28 | 37 | 33 | 38 | - | - | 53 | 49 | 22 | - | - | - |

CITY OF SANTA CLARA

457 Deferred Compensation Plan

PERFORMANCE REVIEW

Third Quarter 2020

| | QTR | YTD | 1Yr | <i>Annualized</i> | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|--------------|--------------|--------------|-------------------|--------------|--------------|--------------|---------------|--------------|-------------|--------------|--------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| Vanguard International Growth Adm | 16.27 | 30.65 | 49.32 | 16.07 | 18.58 | 10.93 | 31.48 | -12.58 | 43.16 | 1.84 | -0.54 | -5.51 |
| MSCI ACWI Ex-USA Growth (Net) Index | 10.16 | 7.27 | 17.54 | 7.33 | 10.16 | 6.38 | 27.34 | -14.43 | 32.01 | 0.12 | -1.25 | -2.65 |
| +/- Index | 6.11 | 23.39 | 31.78 | 8.74 | 8.42 | 4.55 | 4.14 | 1.84 | 11.15 | 1.72 | 0.71 | (2.86) |
| US Fund Foreign Large Growth | 2 | 5 | 4 | 4 | 4 | 4 | 22 | 31 | 6 | 12 | 67 | 65 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement Income Inv | 3.12 | 4.63 | 7.35 | 5.79 | 6.03 | 5.60 | 13.16 | -1.99 | 8.47 | 5.25 | -0.17 | 5.54 |
| Vanguard Retirement Income Index | 3.19 | 5.20 | 8.06 | 6.10 | 6.30 | 5.80 | 13.40 | -1.98 | 8.67 | 5.35 | 0.12 | 5.76 |
| +/- Index | (0.07) | (0.57) | (0.71) | (0.31) | (0.27) | (0.20) | (0.24) | (0.01) | (0.19) | (0.10) | (0.30) | (0.23) |
| US Fund Target-Date Retirement | 49 | 27 | 28 | 17 | 29 | 17 | 49 | 21 | 62 | 41 | 7 | 19 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2020 Inv | 4.48 | 3.87 | 8.51 | 6.54 | 7.96 | 7.81 | 17.63 | -4.24 | 14.08 | 6.95 | -0.68 | 7.11 |
| Vanguard Retirement 2020 Index | 4.56 | 4.56 | 9.32 | 6.94 | 8.30 | 8.09 | 17.87 | -4.14 | 14.22 | 7.17 | -0.40 | 7.37 |
| +/- Index | (0.08) | (0.69) | (0.81) | (0.40) | (0.34) | (0.28) | (0.24) | (0.10) | (0.14) | (0.22) | (0.28) | (0.26) |
| US Fund Target-Date 2020 | 30 | 25 | 34 | 20 | 18 | 10 | 28 | 42 | 17 | 29 | 23 | 1 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2025 Inv | 5.17 | 3.63 | 9.04 | 6.89 | 8.60 | 8.38 | 19.63 | -5.15 | 15.94 | 7.48 | -0.85 | 7.17 |
| Vanguard Retirement 2025 Index | 5.25 | 4.33 | 9.92 | 7.32 | 8.97 | 8.66 | 19.93 | -5.01 | 16.08 | 7.66 | -0.58 | 7.45 |
| +/- Index | (0.08) | (0.70) | (0.89) | (0.43) | (0.37) | (0.28) | (0.30) | (0.14) | (0.14) | (0.18) | (0.27) | (0.28) |
| US Fund Target-Date 2025 | 37 | 37 | 38 | 23 | 18 | 12 | 22 | 42 | 21 | 23 | 24 | 4 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2030 Inv | 5.70 | 3.24 | 9.38 | 7.04 | 9.07 | 8.84 | 21.07 | -5.86 | 17.52 | 7.85 | -1.03 | 7.17 |
| Vanguard Retirement 2030 Index | 5.81 | 3.93 | 10.24 | 7.47 | 9.44 | 9.13 | 21.33 | -5.74 | 17.65 | 8.11 | -0.80 | 7.51 |
| +/- Index | (0.11) | (0.69) | (0.86) | (0.43) | (0.37) | (0.29) | (0.26) | (0.12) | (0.13) | (0.26) | (0.23) | (0.34) |
| US Fund Target-Date 2030 | 37 | 33 | 34 | 25 | 29 | 19 | 32 | 37 | 34 | 32 | 31 | 5 |

CITY OF SANTA CLARA

457 Deferred Compensation Plan

PERFORMANCE REVIEW

Third Quarter 2020

| | QTR | YTD | 1Yr | <i>Annualized</i> | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|-------------|-------------|--------------|-------------------|--------------|-------------|--------------|--------------|--------------|-------------|--------------|-------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| Vanguard Target Retirement 2035 Inv | 6.29 | 2.84 | 9.71 | 7.16 | 9.53 | 9.29 | 22.44 | -6.58 | 19.12 | 8.26 | -1.26 | 7.24 |
| Vanguard Retirement 2035 Index | 6.38 | 3.49 | 10.51 | 7.58 | 9.90 | 9.58 | 22.76 | -6.48 | 19.24 | 8.55 | -1.02 | 7.57 |
| +/- Index | (0.09) | (0.64) | (0.80) | (0.42) | (0.37) | (0.29) | (0.33) | (0.10) | (0.12) | (0.29) | (0.24) | (0.33) |
| US Fund Target-Date 2035 | 44 | 33 | 33 | 25 | 29 | 16 | 42 | 32 | 35 | 32 | 37 | 10 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2040 Inv | 6.80 | 2.40 | 9.96 | 7.27 | 9.97 | 9.58 | 23.86 | -7.32 | 20.71 | 8.73 | -1.59 | 7.15 |
| Vanguard Retirement 2040 Index | 6.94 | 3.00 | 10.72 | 7.69 | 10.35 | 9.89 | 24.19 | -7.22 | 20.87 | 8.98 | -1.25 | 7.61 |
| +/- Index | (0.14) | (0.60) | (0.77) | (0.42) | (0.37) | (0.31) | (0.33) | (0.11) | (0.16) | (0.25) | (0.34) | (0.46) |
| US Fund Target-Date 2040 | 47 | 36 | 32 | 22 | 27 | 16 | 43 | 37 | 25 | 27 | 43 | 12 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2045 Inv | 7.36 | 2.11 | 10.27 | 7.32 | 10.13 | 9.66 | 24.94 | -7.90 | 21.42 | 8.87 | -1.57 | 7.16 |
| Vanguard Retirement 2045 Index | 7.51 | 2.59 | 10.95 | 7.73 | 10.49 | 9.96 | 25.36 | -7.77 | 21.54 | 9.13 | -1.25 | 7.61 |
| +/- Index | (0.15) | (0.48) | (0.67) | (0.41) | (0.37) | (0.30) | (0.42) | (0.13) | (0.11) | (0.26) | (0.32) | (0.45) |
| US Fund Target-Date 2045 | 38 | 35 | 34 | 23 | 23 | 16 | 43 | 43 | 26 | 28 | 42 | 12 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2050 Inv | 7.35 | 2.09 | 10.26 | 7.32 | 10.13 | 9.65 | 24.98 | -7.90 | 21.39 | 8.85 | -1.58 | 7.18 |
| Vanguard Retirement 2050 Index | 7.54 | 2.61 | 10.98 | 7.74 | 10.50 | 9.96 | 25.36 | -7.77 | 21.54 | 9.13 | -1.25 | 7.61 |
| +/- Index | (0.19) | (0.53) | (0.71) | (0.42) | (0.38) | (0.31) | (0.38) | (0.13) | (0.14) | (0.28) | (0.32) | (0.43) |
| US Fund Target-Date 2050 | 48 | 33 | 35 | 25 | 27 | 22 | 47 | 37 | 38 | 29 | 45 | 16 |
| | QTR | YTD | 1Yr | 3Yr | 5Yr | 10Yr | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Vanguard Target Retirement 2055 Inv | 7.38 | 2.06 | 10.25 | 7.31 | 10.12 | 9.68 | 24.98 | -7.89 | 21.38 | 8.88 | -1.72 | 7.19 |
| Vanguard Retirement 2055 Index | 7.54 | 2.61 | 10.98 | 7.74 | 10.50 | 9.96 | 25.36 | -7.77 | 21.54 | 9.13 | -1.25 | 7.61 |
| +/- Index | (0.16) | (0.55) | (0.73) | (0.43) | (0.38) | (0.28) | (0.38) | (0.12) | (0.16) | (0.25) | (0.46) | (0.42) |
| US Fund Target-Date 2055 | 45 | 34 | 36 | 27 | 32 | 26 | 51 | 37 | 48 | 27 | 53 | 16 |

CITY OF SANTA CLARA

457 Deferred Compensation Plan

PERFORMANCE REVIEW

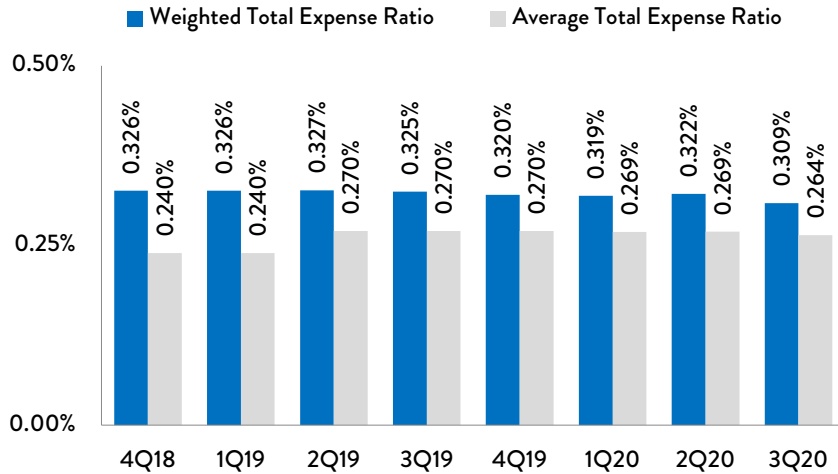
Third Quarter 2020

| | QTR | YTD | 1Yr | <i>Annualized</i> | | | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|-------------|-------------|--------------|-------------------|--------------|----------|--------------|--------------|--------------|-------------|--------------|-------------|
| | | | | 3Yr | 5Yr | 10Yr | | | | | | |
| Vanguard Target Retirement 2060 Inv | 7.39 | 2.07 | 10.25 | 7.31 | 10.12 | - | 24.96 | -7.87 | 21.36 | 8.84 | -1.68 | 7.16 |
| Vanguard Retirement 2060 Index | 7.54 | 2.61 | 10.98 | 7.74 | 10.50 | - | 25.36 | -7.77 | 21.54 | 9.13 | -1.25 | 7.61 |
| +/- Index | (0.15) | (0.54) | (0.72) | (0.43) | (0.38) | - | (0.40) | (0.10) | (0.18) | (0.28) | (0.43) | (0.45) |
| US Fund Target-Date 2060+ | 47 | 31 | 38 | 29 | 48 | - | 66 | 34 | 53 | 21 | 46 | 8 |

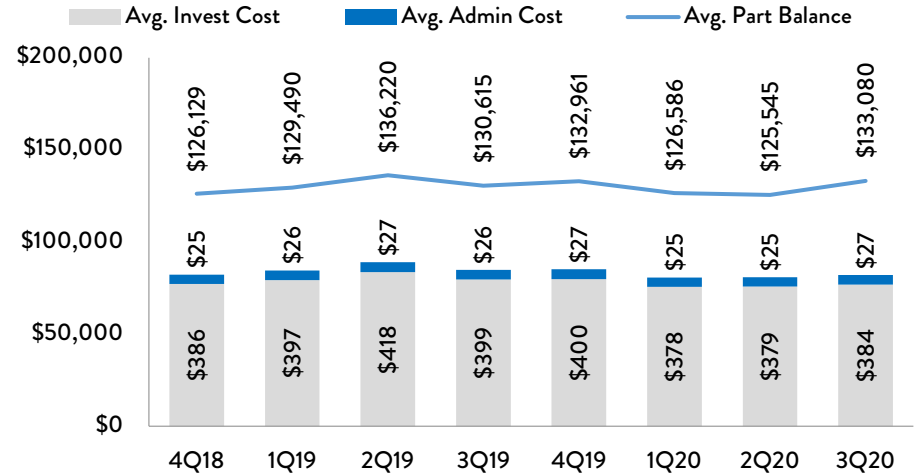
This page left blank intentionally.

Section 4

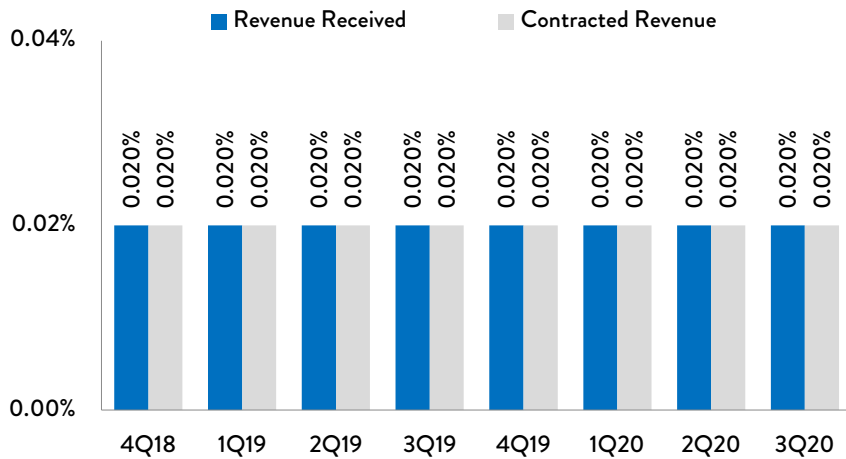
Annualized Plan Cost (%)



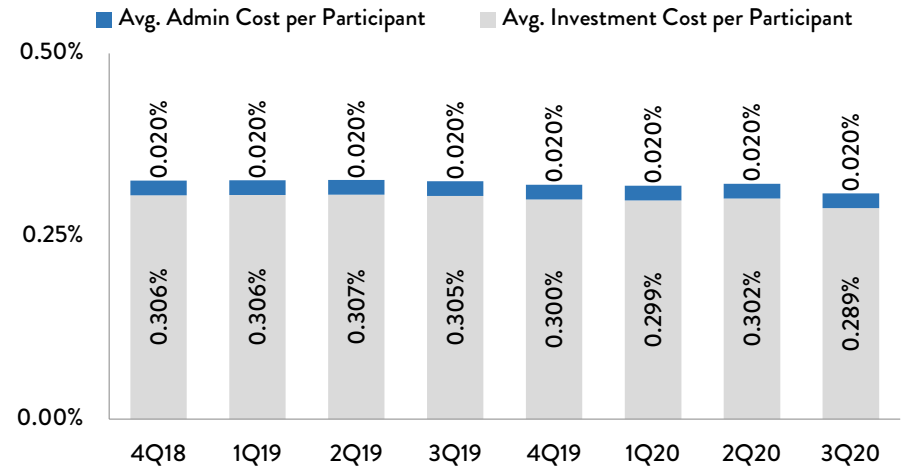
Average Participant Balance and Cost (\$)



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
Third Quarter 2020

Annualized

| Fund | Ticker | Quarter Average | | | Est. Total Invest. | Est. Total Admin. |
|---|--------|----------------------|-------------------|-----------|--------------------|-------------------|
| | | Assets | Net Expense Ratio | Admin Fee | Cost | Cost |
| Nationwide Fixed Fund* | - | \$60,758,155 | 0.40% | 0.02% | \$243,033 | \$12,152 |
| Fidelity US Bond Index | FXNAX | \$2,537,510 | 0.03% | 0.02% | \$634 | \$508 |
| Sterling Capital Total Return Bond R6 | STRDX | \$3,023,442 | 0.35% | 0.02% | \$10,582 | \$605 |
| Hotchkis & Wiley High Yield Z | HWHZX | \$1,365,106 | 0.60% | 0.02% | \$8,191 | \$273 |
| DFA US Large Cap Value I | DFLVX | \$4,786,895 | 0.26% | 0.02% | \$12,446 | \$957 |
| Fidelity 500 Index | FXAIX | \$26,592,879 | 0.02% | 0.02% | \$3,989 | \$5,319 |
| T. Rowe Price Large Cap Growth I | TRLGX | \$16,389,126 | 0.56% | 0.02% | \$91,779 | \$3,278 |
| MFS Mid Cap Value R6 | MVCKX | \$1,459,375 | 0.68% | 0.02% | \$9,924 | \$292 |
| Fidelity Mid Cap Index | FSMDX | \$2,704,520 | 0.03% | 0.02% | \$676 | \$541 |
| WTC-CIF II Mid Cap Opportunities (Series 3) | - | \$4,473,824 | 0.57% | 0.02% | \$25,501 | \$895 |
| DFA US Targeted Value I | DFFVX | \$1,874,689 | 0.36% | 0.02% | \$6,749 | \$375 |
| Fidelity Small Cap Index | FSSNX | \$1,327,180 | 0.03% | 0.02% | \$332 | \$265 |
| Vanguard Small Growth Index Adm | VSGAX | \$3,283,154 | 0.07% | 0.02% | \$2,298 | \$657 |
| MFS International Intrinsic Value Equity R6 | MINJX | \$3,657,666 | 0.63% | 0.02% | \$23,043 | \$732 |
| Fidelity Total International Index | FTIHX | \$2,915,843 | 0.06% | 0.02% | \$1,750 | \$583 |
| Vanguard International Growth Adm | VWILX | \$6,487,523 | 0.32% | 0.02% | \$20,760 | \$1,298 |
| Vanguard Target Retirement Income Inv | VTINX | \$1,407,353 | 0.12% | 0.02% | \$1,689 | \$281 |
| Vanguard Target Retirement 2020 Inv | VTWNX | \$304,340 | 0.13% | 0.02% | \$396 | \$61 |
| Vanguard Target Retirement 2025 Inv | VTTVX | \$14,706,972 | 0.13% | 0.02% | \$19,119 | \$2,941 |
| Vanguard Target Retirement 2030 Inv | VTHRX | \$267,099 | 0.14% | 0.02% | \$374 | \$53 |
| Vanguard Target Retirement 2035 Inv | VTTHX | \$6,461,108 | 0.14% | 0.02% | \$9,046 | \$1,292 |
| Vanguard Target Retirement 2040 Inv | VFORX | \$303,707 | 0.14% | 0.02% | \$425 | \$61 |
| Vanguard Target Retirement 2045 Inv | VTIVX | \$5,861,445 | 0.15% | 0.02% | \$8,792 | \$1,172 |
| Vanguard Target Retirement 2050 Inv | VFIFX | \$470,554 | 0.15% | 0.02% | \$706 | \$94 |
| Vanguard Target Retirement 2055 Inv | VFFVX | \$1,002,325 | 0.15% | 0.02% | \$1,503 | \$200 |
| Vanguard Target Retirement 2060 Inv | VTTSX | \$178,875 | 0.15% | 0.02% | \$268 | \$36 |
| TOTAL | | \$174,600,666 | | | \$504,004 | \$34,920 |

| Plan Administration Cost | Quarter | Annualized |
|-------------------------------|---------|------------|
| Plan Generated Revenue (est): | \$8,730 | \$34,920 |

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

Section 5

DFA US Targeted Value I (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index **Morningstar Cat**
Silver **★★★★** S&P 500 TR USD Russell 2000 Value US Fund Small Value
 05-14-2020 385 US Fund Small Value TR USD

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -2.19 | 6.03 | 1.51 | -20.00 | -15.78 |
| 2019 | 12.14 | 0.95 | -1.19 | 8.59 | 21.47 |
| 2020 | -39.19 | 23.56 | 4.02 | — | -18.83 |
| Trailing Returns | | | | | |
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | -13.27 | -4.84 | 2.10 | 7.33 | 9.16 |
| Std 09-30-2020 | -15.13 | — | 2.55 | 7.31 | 9.00 |
| Total Return | -13.27 | -4.84 | 2.10 | 7.33 | 9.16 |
| +/- Std Index | -22.99 | -15.27 | -9.61 | -5.69 | — |
| +/- Cat Index | 0.65 | -0.79 | -1.61 | 0.26 | — |
| % Rank Cat | 43 | 47 | 50 | 27 | — |
| No. in Cat | 416 | 385 | 355 | 253 | — |

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.

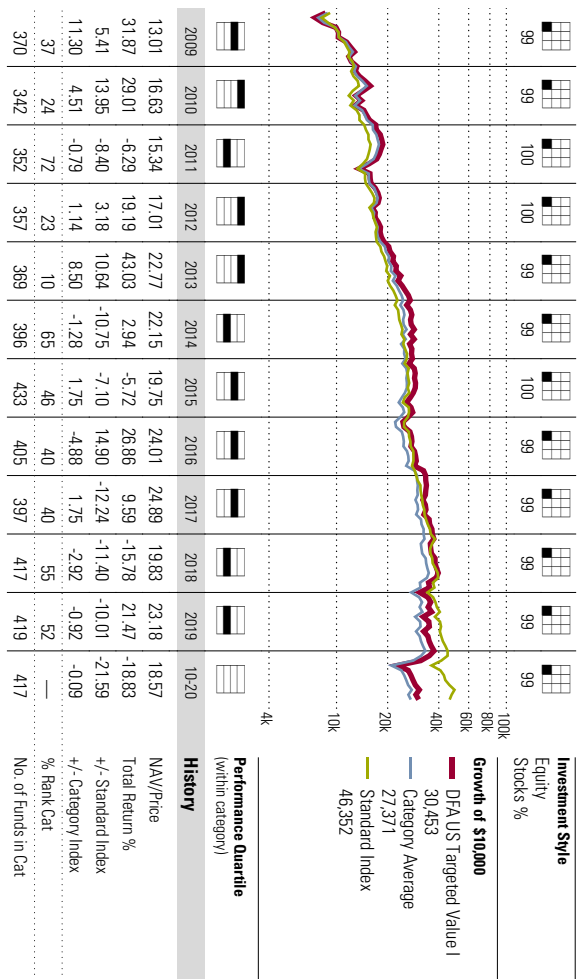
Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 888-576-1187 or visit www.dimensional.com.

| Fees and Expenses | |
|--------------------------------|----------------|
| Sales Charges | NA |
| Front-End Load % | NA |
| Deferred Load % | NA |
| Fund Expenses | 0.33 |
| Management Fees % | NA |
| 12B1 Expense % | NA |
| Net Expense Ratio % | 0.36 |
| Gross Expense Ratio % | 0.36 |
| Risk and Return Profile | |
| Morningstar Rating™ | 3★ |
| Morningstar Risk | 3★ |
| Morningstar Return | 3★ |
| Standard Deviation | 26.69 |
| Mean | -4.84 |
| Sharpe Ratio | -0.11 |
| MPT Statistics | Standard Index |
| Alpha | -16.32 |
| Beta | 1.36 |
| R-Squared | 82.91 |
| 12-Month Yield | — |
| Potential Cap Gains Exp | 12.80% |

Operations
 Family: Dimensional Fund Advisors
 Manager: Multiple
 Tenure: 8.8 Years
 Objective: Growth and Income

Base Currency: USD
 Ticker: DFFX
 SIN: US232035953
 Minimum Initial Purchase: \$0

Purchase Constraints: A
 Incept: 02-23-2000
 Type: MF
 Total Assets: \$9,236.70 mil



Portfolio Analysis 09-30-2020

| Asset Allocation % 08-31-2020 | Net % | Long % | Short % |
|-------------------------------|--------|--------|---------|
| Cash | 0.98 | 1.01 | 0.03 |
| US Stocks | 97.30 | 97.30 | 0.00 |
| Non-US Stocks | 1.66 | 1.66 | 0.00 |
| Bonds | 0.00 | 0.00 | 0.00 |
| Other/Not Cstfd | 0.06 | 0.06 | 0.00 |
| Total | 100.00 | 100.03 | 0.03 |

Top Holdings 08-31-2020

| Share Cng | Share | Holdings: | Net Assets % |
|-----------|---------|--|--------------|
| since | Amount | 1.391 Total Stocks, 0 Total Fixed-Income, 16% Turnover Ratio | % |
| 08-2020 | 27.650 | SP500 Emni Fut Sep20 Xeme 202009 | 1.04 |
| | 2 mil | Knight-Swift Transportation Holdin | 0.75 |
| | 653.471 | Reliance Steel & Aluminum Co | 0.74 |
| | 820.191 | Arrow Electronics Inc | 0.69 |
| | 1 mil | BorgWarner Inc | 0.65 |
| | 650.121 | XPO Logistics Inc | 0.62 |
| | 1 mil | Toll Brothers Inc | 0.62 |
| | 1 mil | Athene Holding Ltd Class A | 0.59 |
| | 214.234 | Lithia Motors Inc Class A | 0.57 |
| | 1 mil | Voya Financial Inc | 0.57 |
| | 586.423 | Post Holdings Inc | 0.55 |
| | 2 mil | Steel Dynamics Inc | 0.54 |
| | 379,206 | Synnex Corp | 0.52 |
| | 1 mil | Darling Ingredients Inc | 0.49 |
| | 1 mil | Zions Bancorp NA | 0.47 |

| Equity Style | | Portfolio Statistics | | Port | Rel | Rel |
|--------------|--------------|----------------------|-------|-------|------|-----|
| Value | Brand Growth | Avg | Index | Index | Cat | Cat |
| Large | Small | P/E Ratio TTM | 13.6 | 0.54 | 0.87 | |
| Mid | Mid | P/C Ratio TTM | 4.9 | 0.33 | 0.77 | |
| Mid | Mid | P/B Ratio TTM | 1.0 | 0.30 | 0.88 | |
| Small | Small | Geo Avg Mkt Cap | 2057 | 0.01 | 0.78 | |

| Fixed-Income Style | | Sector Weightings | | Stocks % | Rel Std Index |
|--------------------|-----|-------------------|------------------|----------|---------------|
| Ltd | Med | Ext | Avg Eff Maturity | 48.3 | 1.66 |
| High | Med | Low | Avg Eff Duration | 8.4 | 3.71 |
| High | Med | Low | Avg Wtd Coupon | 16.2 | 1.42 |
| High | Med | Low | Avg Wtd Price | 23.3 | 1.82 |

| Credit Quality Breakdown | | Regional Exposure | |
|--------------------------|---------|-------------------|---------------|
| AAA | AA | Stocks % | Rel Std Index |
| AAA | AA | 99.0 | 1.00 |
| AAA | AA | 0.5 | 0.54 |
| BBB | BB | 0.5 | 12.59 |
| BB | B | | |
| BB | B | | |
| Below B | Below B | | |
| NR | NR | | |

| Sector Weightings | | Denstive | |
|------------------------|----------|--------------------|-----|
| ↑ | Cyclical | Consumer Defensive | 5.7 |
| Basic Materials | 8.4 | Healthcare | 5.0 |
| Consumer Cyclical | 16.2 | Utilities | 0.1 |
| Financial Services | 23.3 | | |
| Real Estate | 0.4 | | |
| Sensitive | 40.9 | | |
| Communication Services | 3.2 | | |
| Energy | 5.2 | | |
| Industrials | 22.8 | | |
| Technology | 9.8 | | |

©2020 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, analyzed or accurate, 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® 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
 09-30-2020 1,237 US Fund Large Blend USD

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.77 | 3.43 | 7.71 | -13.53 | -4.40 |
| 2019 | 13.65 | 4.30 | 1.69 | 9.06 | 31.47 |
| 2020 | -19.59 | 20.53 | 8.94 | — | 2.77 |
| Trailing Returns | | | | | |
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 9.70 | 10.41 | 11.70 | — | 12.08 |
| Std 09-30-2020 | 15.14 | — | 14.14 | — | 12.52 |
| Total Return | 9.70 | 10.41 | 11.70 | 13.00 | 12.08 |
| +/- Std Index | -0.01 | -0.01 | -0.01 | -0.01 | — |
| +/- Cat Index | -1.17 | -0.21 | -0.09 | -0.04 | — |
| % Rank Cat | 31 | 21 | 13 | 10 | — |
| No. in Cat | 1370 | 1237 | 1071 | 825 | — |

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 800-335-5092 or visit www.institutional.fidelity.com.

Fees and Expenses

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

Fund Expenses

Management Fees % 0.02
 12b1 Expense % NA
Net Expense Ratio % 0.02
Gross Expense Ratio % 0.02

Risk and Return Profile

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

| | 3 Yr | 5 Yr | 10 Yr |
|--------------------|-------|-------|-------|
| Standard Deviation | 17.86 | 14.61 | 13.27 |
| Mean | 10.41 | 11.70 | 13.00 |
| Sharpe Ratio | 0.56 | 0.75 | 0.95 |

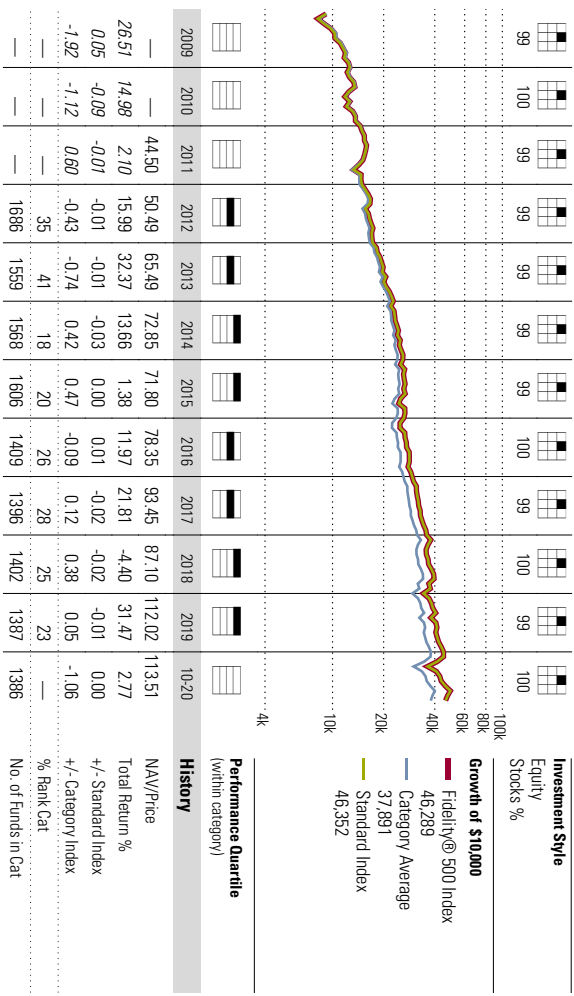
| MPI Statistics | Standard Index | Best Fit Index |
|-------------------------|----------------|----------------|
| Alpha | -0.01 | -0.01 |
| Beta | 1.00 | 1.00 |
| R-Squared | 100.00 | 100.00 |
| 12-Month Yield | — | — |
| Potential Cap Gains Exp | — | 35.69% |

Operations

Family: Fidelity Investments
 Manager: Multiple
 Tenure: 11.8 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: \$245,612.81 mil



| Portfolio Allocation % | | | Net % | Long % | Short % |
|------------------------|-----------------|-----------|--------|--------|---------|
| Asset Class | Cash | US Stocks | 0.33 | 0.33 | 0.00 |
| | Non-US Stocks | Bonds | 98.75 | 98.75 | 0.00 |
| | Other/Not Cstfd | Total | 0.92 | 0.92 | 0.00 |
| | | | 0.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 0.00 |
| | | | 100.00 | 100.00 | 0.00 |

| Equity Style | | | Value | Share | Grwth |
|--------------|--|--|-------|-------|-------|
| | | | Large | Med | Small |
| | | | High | Med | Low |
| | | | — | — | — |
| | | | — | — | — |
| | | | — | — | — |

| Fixed-Income Style | | | Ltd | Med | Ext |
|--------------------|--|--|-----|-----|-----|
| | | | — | — | — |
| | | | — | — | — |
| | | | — | — | — |
| | | | — | — | — |
| | | | — | — | — |

| Credit Quality Breakdown | | | AAA | AA | BBB | BB | Below B | Bond % |
|--------------------------|--|--|-----|----|-----|----|---------|--------|
| | | | — | — | — | — | — | — |
| | | | — | — | — | — | — | — |
| | | | — | — | — | — | — | — |
| | | | — | — | — | — | — | — |
| | | | — | — | — | — | — | — |

| Regional Exposure | | | Stocks % | Rel Std Index |
|-------------------|--|--|----------|---------------|
| | | | 99.1 | 1.00 |
| | | | 0.9 | 1.00 |
| | | | 0.0 | 1.00 |

| Share Clng | Share | Holdings | Net Assets |
|---------------|---------|---|------------|
| since 08-2020 | Amount | 505 Total Stocks: 0 Total Fixed-Income, 4% Turnover Ratio | % |
| ⊕ | 145 mil | Apple Inc | 6.63 |
| ⊖ | 68 mil | Microsoft Corp | 5.67 |
| ⊕ | 4 mil | Amazon.com Inc | 4.78 |
| ⊕ | 22 mil | Facebook Inc A | 2.24 |
| ⊕ | 3 mil | Alphabet Inc A | 1.57 |
| ⊕ | 3 mil | Alphabet Inc Class C | 1.54 |
| ⊕ | 18 mil | Berkshire Hathaway Inc Class B | 1.50 |
| ⊕ | 24 mil | Johnson & Johnson | 1.40 |
| ⊕ | 22 mil | Procter & Gamble Co | 1.23 |
| ⊕ | 15 mil | Visa Inc Class A | 1.20 |
| ⊕ | 6 mil | NVIDIA Corp | 1.19 |
| ⊕ | 10 mil | The Home Depot Inc | 1.07 |
| ⊕ | 8 mil | Mastercard Inc A | 1.06 |
| ⊕ | 9 mil | UnitedHealth Group Inc | 1.06 |
| ⊕ | 27 mil | JPMorgan Chase & Co | 1.05 |

| Sector Weightings | | | Stocks % | Rel Std Index |
|-------------------|------------------------|--|-------------|---------------|
| 🔄 | Cyclical | | 29.0 | 1.00 |
| 🏠 | Basic Materials | | 2.2 | 0.99 |
| 🏪 | Consumer Cyclical | | 11.3 | 1.00 |
| 🏢 | Financial Services | | 12.9 | 1.00 |
| 🏠 | Real Estate | | 2.6 | 1.01 |
| 👔 | Sensitive | | 46.2 | 1.00 |
| 📞 | Communication Services | | 10.8 | 0.97 |
| ⚡ | Energy | | 2.1 | 1.02 |
| 🏭 | Industrials | | 8.6 | 0.99 |
| 🖥️ | Technology | | 24.7 | 1.02 |
| 🛡️ | Defensive | | 24.8 | 1.00 |
| 🛒 | Consumer Defensive | | 7.5 | 1.00 |
| 🏥 | Healthcare | | 14.3 | 1.01 |
| 🏠 | Utilities | | 3.0 | 0.93 |

©2020 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 informational purposes, 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™** **Silver** **Overall Morningstar Rating™ Standard Index** **Category Index** **Morningstar Cat**
 09-30-2020 **★★★★** **S&P 500 TR USD** **Russell Mid Cap TR** **US Fund Mid-Cap Blend**

| Performance 10-31-2020 | 10-31-2020 | | | | Total % |
|------------------------|------------|---------|---------|---------|---------|
| | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | |
| Quarterly Returns | -0.48 | 2.80 | 4.97 | -15.32 | -9.05 |
| 2018 | 16.53 | 4.14 | 0.44 | 7.06 | 30.51 |
| 2019 | -27.04 | 24.55 | 7.49 | — | -1.72 |
| Trailing Returns | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 4.12 | 6.76 | 8.95 | — | 12.19 |
| Std 09-30-2020 | 4.58 | — | 10.13 | — | 12.24 |
| Total Return | 4.12 | 6.76 | 8.95 | — | 12.19 |
| +/- Std Index | -5.60 | -3.66 | -2.76 | — | — |
| +/- Cat Index | -0.01 | -0.01 | 0.00 | — | — |
| % Rank Cat | 19 | 19 | 17 | — | — |
| No. in Cat | 406 | 369 | 301 | — | — |

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.investor.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™ | 399 funds | 301 funds | 213 funds |
| Morningstar Risk | 4★ | 4★ | — |
| Morningstar Return | Avg | Avg | — |
| | +Avg | +Avg | — |

Standard Deviation 3 Yr 17.11 5 Yr 10 Yr
 Mean 6.76 8.95
 Sharpe Ratio 0.35 0.52

MPI Statistics

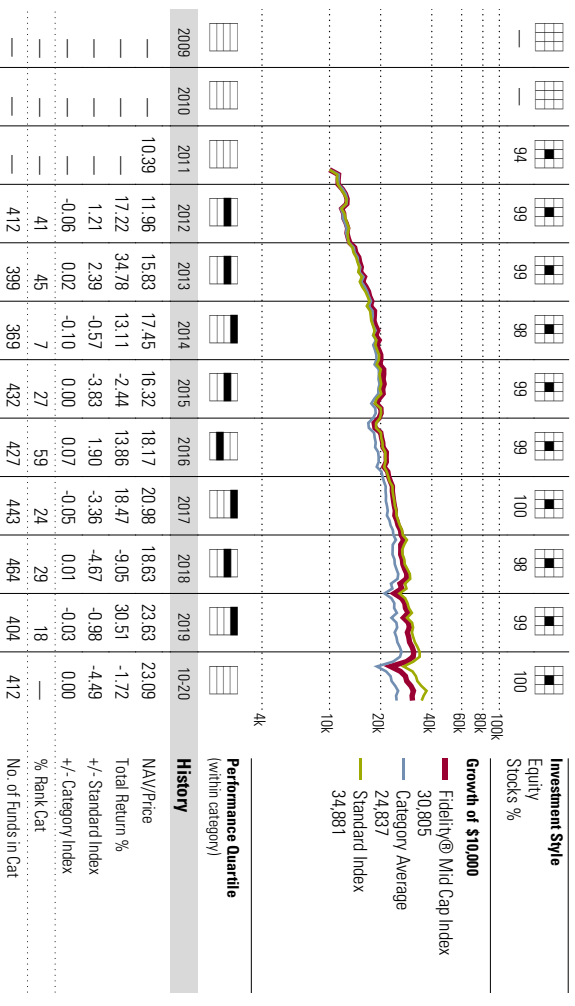
| | Standard Index | Best Fit Index |
|-------------------------|----------------|----------------|
| Alpha | -3.89 | -1.04 |
| Beta | 1.11 | 1.01 |
| R-Squared | 91.60 | 99.83 |
| 12-Month Yield | — | — |
| Potential Cap Gains Exp | — | -2.48% |

Operations

Family: Fidelity Investments
 Manager: Multiple
 Tenure: 9.2 Years
 Objective: Growth

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

Purchase Constraints: A
 Incept: 09-08-2011
 Type: MF
 Total Assets: \$14,585.39 mil



| Portfolio Allocation % | | Net % | Long % | Short % | Share Clng | Share Holdings: | Net Assets % |
|------------------------|--------|--------|--------|---------|------------|--|--------------|
| Cash | 0.23 | 0.23 | 0.00 | 0.00 | 08-2020 | 821 Total Stocks: 0 Total Fixed-Income, 14% Turnover Ratio | 0.49 |
| US Stocks | 98.01 | 98.01 | 0.00 | 0.00 | 245,016 | DocuSign Inc | 0.48 |
| Non-US Stocks | 1.76 | 1.76 | 0.00 | 0.00 | 208,406 | Veeva Systems Inc Class A | 0.48 |
| Bonds | 0.00 | 0.00 | 0.00 | 0.00 | 964,094 | Lululemon Athletica Inc | 0.46 |
| Other/Not Clsfd | 0.00 | 0.00 | 0.00 | 0.00 | 51,081 | Xcel Energy Inc | 0.44 |
| Total | 100.00 | 100.00 | 0.00 | 0.00 | 1 mill | Chipotle Mexican Grill Inc Class A | 0.44 |

| Equity Style | Value | Brand | Growth | Port Avg | Rel Index | Rel Cat | Rel |
|--------------|-------|-------|--------|-----------------|-----------|---------|------|
| Large | High | Med | Ex | P/E Ratio TTM | 232 | 0.92 | 1.04 |
| Mid | High | Med | Ex | P/C Ratio TTM | 11.7 | 0.80 | 1.03 |
| Small | High | Med | Low | P/B Ratio TTM | 2.6 | 0.75 | 1.06 |
| | | | | Geo Avg Mkt Cap | 1.4222 | 0.09 | 1.65 |

| Fixed-Income Style | Value | Brand | Growth | Port Avg | Rel Index | Rel Cat | Rel |
|--------------------|-------|-------|--------|------------------|-----------|---------|-----|
| Large | High | Med | Ex | Avg Eff Maturity | — | — | — |
| Mid | High | Med | Ex | Avg Eff Duration | — | — | — |
| Small | High | Med | Low | Avg Wtd Coupon | — | — | — |
| | | | | Avg Wtd Price | — | — | — |

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

| Regional Exposure | Stocks % | Rel Std Index |
|-------------------|----------|---------------|
| Americas | 98.4 | 0.99 |
| Greater Europe | 0.9 | 1.03 |
| Greater Asia | 0.7 | 17.87 |

| Sector Weightings | Stocks % | Rel Std Index |
|------------------------|-------------|---------------|
| Cyclical | 34.9 | 1.20 |
| Basic Materials | 3.6 | 1.60 |
| Consumer Cyclical | 12.8 | 1.13 |
| Financial Services | 10.7 | 0.83 |
| Real Estate | 7.9 | 3.00 |
| Sensitive | 41.2 | 0.89 |
| Communication Services | 5.2 | 0.46 |
| Energy | 2.4 | 1.19 |
| Industrials | 14.7 | 1.67 |
| Technology | 19.0 | 0.79 |
| Defensive | 23.8 | 0.96 |
| Consumer Defensive | 4.9 | 0.66 |
| Healthcare | 13.2 | 0.94 |
| Utilities | 5.7 | 1.77 |

©2020 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 to be 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® Small Cap Index (USD)

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

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.05 | 7.79 | 3.63 | -20.17 | -10.88 |
| 2019 | 14.56 | 2.13 | -2.34 | 10.01 | 25.71 |
| 2020 | -30.62 | 25.49 | 4.98 | — | -6.69 |
| Trailing Returns | | | | | |
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 0.00 | 2.32 | 7.45 | — | 10.76 |
| Std 09-30-2020 | 0.55 | — | 8.19 | — | 10.62 |
| Total Return | 0.00 | 2.32 | 7.45 | — | 10.76 |
| +/- Std Index | -9.71 | -8.11 | -4.26 | — | — |
| +/- Cat Index | 0.13 | 0.13 | 0.19 | — | — |
| % Rank Cat | 20 | 18 | 12 | — | — |
| No. in Cat | 658 | 620 | 505 | — | — |

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 800-544-8944 or visit 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™ | 4★ | 4★ | — |
| Morningstar Risk | Avg | Avg | — |
| Morningstar Return | +Avg | +Avg | — |

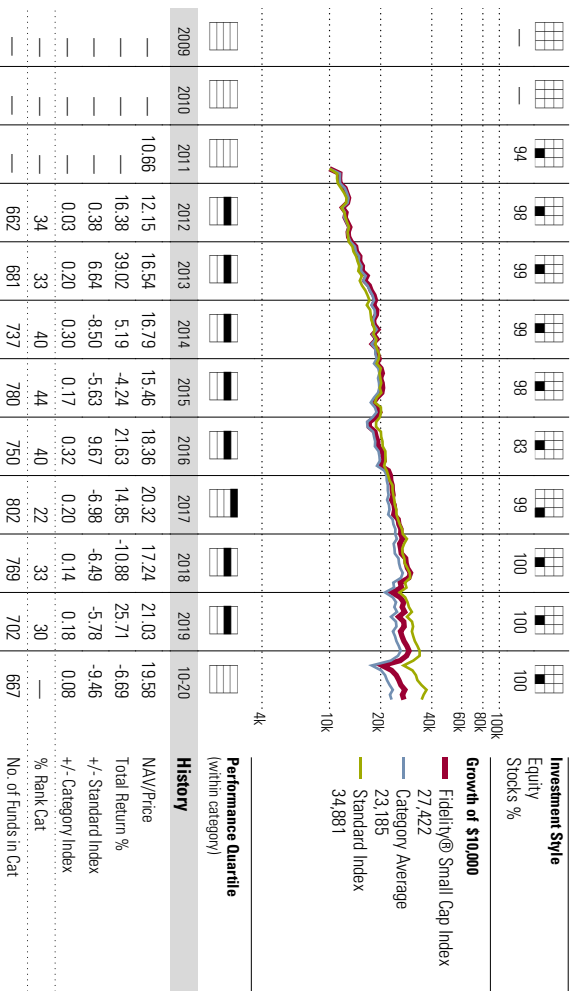
Standard Deviation 23.03 19.97
Mean 2.32 7.45
Sharpe Ratio 0.15 0.40

MPI Statistics

| | Standard Index | Best Fit Index |
|-------------------------|----------------|----------------|
| Alpha | -8.47 | 0.13 |
| Beta | 1.20 | 1.00 |
| R-Squared | 86.17 | 100.00 |
| 12-Month Yield | — | — |
| Potential Cap Gains Exp | — | -14.47% |

Operations

Family: Fidelity Investments
Manager: Multiple
Tenure: 9.2 Years
Objective: Small Company



Portfolio Analysis 07-31-2020

| Asset Allocation % | Net % | Long % | Short % | Share Cng since 04-2020 | Share Amount | Holdings: 1,988 Total Stocks - 1 Total Fixed-Income, 17% Turnover Ratio | Net Assets % |
|--------------------|--------|--------|---------|-------------------------|--------------|---|--------------|
| Cash | 0.22 | 0.22 | 0.00 | — | — | — | — |
| US Stocks | 98.99 | 98.99 | 0.00 | — | — | — | — |
| Non-US Stocks | 0.79 | 0.79 | 0.00 | — | — | — | — |
| Bonds | 0.01 | 0.01 | 0.00 | — | — | — | — |
| Other/Not Cstfd | 0.00 | 0.00 | 0.00 | — | — | — | — |
| Total | 100.00 | 100.00 | 0.00 | — | — | — | — |

| Equity Style | Value | Brand | Grwth | Port Avg Index | Rel Cat | Rel Index |
|-----------------|-------|-------|-------|----------------|---------|-----------|
| Large | — | — | — | 168 | 0.67 | 0.91 |
| Mid | — | — | — | 7.8 | 0.54 | 0.80 |
| Small | — | — | — | 1.8 | 0.52 | 0.86 |
| Geo Avg Mkt Cap | — | — | — | 1742 | 0.01 | 0.54 |

| Fixed-Income Style | Ltd | Med | Ext | Avg Eff Maturity | Avg Eff Duration | Avg Wtd Coupon | Avg Wtd Price |
|--------------------|-----|-----|-----|------------------|------------------|----------------|---------------|
| 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 | 0.2 | 0.19 |
| Greater Asia | 0.2 | 3.90 |

| Investment Style | Equity | Stocks % |
|---------------------------|--------|----------|
| Fidelity@ Small Cap Index | 27,422 | — |
| Category Average | 23,185 | — |
| Standard Index | 34,881 | — |

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

Purchase Constraints: A
Incept: 09-08-2011
Type: MF
Total Assets: \$12,289,49 mil

| Sector Weightings | Stocks % | Rel Std Index |
|------------------------|-------------|---------------|
| Cyclical | 37.5 | 1.29 |
| Basic Materials | 3.8 | 1.67 |
| Consumer Cyclical | 11.3 | 1.00 |
| Financial Services | 14.2 | 1.11 |
| Real Estate | 8.2 | 3.12 |
| Sensitive | 35.1 | 0.76 |
| Communication Services | 2.9 | 0.26 |
| Energy | 2.2 | 1.09 |
| Industrials | 15.5 | 1.78 |
| Technology | 14.5 | 0.60 |
| Defensive | 27.4 | 1.10 |
| Consumer Defensive | 4.0 | 0.54 |
| Healthcare | 20.0 | 1.42 |
| Utilities | 3.3 | 1.03 |

| Portfolio Statistics | Port Avg Index | Rel Cat | Rel Index |
|----------------------|----------------|---------|-----------|
| P/E Ratio TTM | 16.8 | 0.67 | 0.91 |
| P/C Ratio TTM | 7.8 | 0.54 | 0.80 |
| P/B Ratio TTM | 1.8 | 0.52 | 0.86 |
| Geo Avg Mkt Cap | 1742 | 0.01 | 0.54 |

Share Cng since 04-2020: —
Share Amount: —
Holdings: 1,988 Total Stocks - 1 Total Fixed-Income, 17% Turnover Ratio

- 364,931 Novavax Inc
- 646 E-mini Russell 2000 Index Future S
- 190,086 LHC Group Inc
- 175,218 Deckers Outdoor Corp
- 857,562 BJ's Wholesale Club Holdings Inc
- 261,700 SteOne Landscape Supply Inc
- 237,950 Churchill Downs Inc
- 244,182 EastGroup Properties Inc
- 138,099 Lithia Motors Inc Class A
- 621,954 II-VI Inc
- 279,540 Emergent BioSolutions Inc
- 949,777 Stag Industrial Inc
- 104,694 RH
- 337,110 Tetra Tech Inc
- 158,356 Helen Of Troy Ltd

NAV/Price: 19.58
Total Return %: -6.69
+/- Standard Index: -9.46
+/- Category Index: 0.08
% Rank Cat: —
No. of Funds in Cat: 667

Net Assets %: 0.46
0.42
0.32
0.32
0.30
0.29
0.29
0.28
0.28
0.28
0.28
0.27
0.27
0.26
0.26
0.26
0.26

Stocks %: 37.5, 3.8, 11.3, 14.2, 8.2, 35.1, 2.9, 2.2, 15.5, 14.5, 27.4, 4.0, 20.0, 3.3

Rel Std Index: 1.29, 1.67, 1.00, 1.11, 3.12, 0.76, 1.09, 1.78, 0.60, 1.10, 0.54, 1.42, 1.03

NAV/Price: 19.58, Total Return %: -6.69, +/- Standard Index: -9.46, +/- Category Index: 0.08, % Rank Cat: —, No. of Funds in Cat: 667

Net Assets %: 0.46, 0.42, 0.32, 0.32, 0.30, 0.29, 0.29, 0.28, 0.28, 0.28, 0.28, 0.27, 0.27, 0.26, 0.26, 0.26, 0.26

Stocks %: 37.5, 3.8, 11.3, 14.2, 8.2, 35.1, 2.9, 2.2, 15.5, 14.5, 27.4, 4.0, 20.0, 3.3

Rel Std Index: 1.29, 1.67, 1.00, 1.11, 3.12, 0.76, 1.09, 1.78, 0.60, 1.10, 0.54, 1.42, 1.03

NAV/Price: 19.58, Total Return %: -6.69, +/- Standard Index: -9.46, +/- Category Index: 0.08, % Rank Cat: —, No. of Funds in Cat: 667

Net Assets %: 0.46, 0.42, 0.32, 0.32, 0.30, 0.29, 0.29, 0.28, 0.28, 0.28, 0.28, 0.27, 0.27, 0.26, 0.26, 0.26, 0.26

Stocks %: 37.5, 3.8, 11.3, 14.2, 8.2, 35.1, 2.9, 2.2, 15.5, 14.5, 27.4, 4.0, 20.0, 3.3

Rel Std Index: 1.29, 1.67, 1.00, 1.11, 3.12, 0.76, 1.09, 1.78, 0.60, 1.10, 0.54, 1.42, 1.03

NAV/Price: 19.58, Total Return %: -6.69, +/- Standard Index: -9.46, +/- Category Index: 0.08, % Rank Cat: —, No. of Funds in Cat: 667

Net Assets %: 0.46, 0.42, 0.32, 0.32, 0.30, 0.29, 0.29, 0.28, 0.28, 0.28, 0.28, 0.27, 0.27, 0.26, 0.26, 0.26, 0.26

Stocks %: 37.5, 3.8, 11.3, 14.2, 8.2, 35.1, 2.9, 2.2, 15.5, 14.5, 27.4, 4.0, 20.0, 3.3

Rel Std Index: 1.29, 1.67, 1.00, 1.11, 3.12, 0.76, 1.09, 1.78, 0.60, 1.10, 0.54, 1.42, 1.03

NAV/Price: 19.58, Total Return %: -6.69, +/- Standard Index: -9.46, +/- Category Index: 0.08, % Rank Cat: —, No. of Funds in Cat: 667

Net Assets %: 0.46, 0.42, 0.32, 0.32, 0.30, 0.29, 0.29, 0.28, 0.28, 0.28, 0.28, 0.27, 0.27, 0.26, 0.26, 0.26, 0.26

Stocks %: 37.5, 3.8, 11.3, 14.2, 8.2, 35.1, 2.9, 2.2, 15.5, 14.5, 27.4, 4.0, 20.0, 3.3

Rel Std Index: 1.29, 1.67, 1.00, 1.11, 3.12, 0.76, 1.09, 1.78, 0.60, 1.10, 0.54, 1.42, 1.03

NAV/Price: 19.58, Total Return %: -6.69, +/- Standard Index: -9.46, +/- Category Index: 0.08, % Rank Cat: —, No. of Funds in Cat: 667

Net Assets %: 0.46, 0.42, 0.32, 0.32, 0.30, 0.29, 0.29, 0.28, 0.28, 0.28, 0.28, 0.27, 0.27, 0.26, 0.26, 0.26, 0.26

Stocks %: 37.5, 3.8, 11.3, 14.2, 8.2, 35.1, 2.9, 2.2, 15.5, 14.5, 27.4, 4.0, 20.0, 3.3

Rel Std Index: 1.29, 1.67, 1.00, 1.11, 3.12, 0.76, 1.09, 1.78, 0.60, 1.10, 0.54, 1.42, 1.03

NAV/Price: 19.58, Total Return %: -6.69, +/- Standard Index: -9.46, +/- Category Index: 0.08, % Rank Cat: —, No. of Funds in Cat: 667

Net Assets %: 0.46, 0.42, 0.32, 0.32, 0.30, 0.29, 0.29, 0.28, 0.28, 0.28, 0.28, 0.27, 0.27, 0.26, 0.26, 0.26, 0.26

Stocks %: 37.5, 3.8, 11.3, 14.2, 8.2, 35.1, 2.9, 2.2, 15.5, 14.5, 27.4, 4.0, 20.0, 3.3

Rel Std Index: 1.29, 1.67, 1.00, 1.11, 3.12, 0.76, 1.09, 1.78, 0.60, 1.10, 0.54, 1.42, 1.03

NAV/Price: 19.58, Total Return %: -6.69, +/- Standard Index: -9.46, +/- Category Index: 0.08, % Rank Cat: —, No. of Funds in Cat: 667

Net Assets %: 0.46, 0.42, 0.32, 0.32, 0.30, 0.29, 0.29, 0.28, 0.28, 0.28, 0.28, 0.27, 0.27, 0.26, 0.26, 0.26, 0.26

Stocks %: 37.5, 3.8, 11.3, 14.2, 8.2, 35.1, 2.9, 2.2, 15.5, 14.5, 27.4, 4.0, 20.0, 3.3

Rel Std Index: 1.29, 1.67, 1.00, 1.11, 3.12, 0.76, 1.09, 1.78, 0.60, 1.10, 0.54, 1.42, 1.03

NAV/Price: 19.58, Total Return %: -6.69, +/- Standard Index: -9.46, +/- Category Index: 0.08, % Rank Cat: —, No. of Funds in Cat: 667

Net Assets %: 0.46, 0.42, 0.32, 0.32, 0.30, 0.29, 0.29, 0.28, 0.28, 0.28, 0.28, 0.27, 0.27, 0.26, 0.26, 0.26, 0.26

Stocks %: 37.5, 3.8, 11.3, 14.2, 8.2, 35.1, 2.9, 2.2, 15.5, 14.5, 27.4, 4.0, 20.0, 3.3

Rel Std Index: 1.29, 1.67, 1.00, 1.11, 3.12, 0.76, 1.09, 1.78, 0.60, 1.10, 0.54, 1.42, 1.03

NAV/Price: 19.58, Total Return %: -6.69, +/- Standard Index: -9.46, +/- Category Index: 0.08, % Rank Cat: —, No. of Funds in Cat: 667

Net Assets %: 0.46, 0.42, 0.32, 0.32, 0.30, 0.29, 0.29, 0.28, 0.28, 0.28, 0.28, 0.27, 0.27, 0.26, 0.26, 0.26, 0.26

Stocks %: 37.5, 3.8, 11.3, 14.2, 8.2, 35.1, 2.9, 2.2, 15.5, 14.5, 27.4, 4.0, 20.0, 3.3

Rel Std Index: 1.29, 1.67, 1.00, 1.11, 3.12, 0.76, 1.09, 1.78, 0.60, 1.10, 0.54, 1.42, 1.03

NAV/Price: 19.58, Total Return %: -6.69, +/- Standard Index: -9.46, +/- Category Index: 0.08, % Rank Cat: —, No. of Funds in Cat: 667

Net Assets %: 0.46, 0.42, 0.32, 0.32, 0.30, 0.29, 0.29, 0.28, 0.28, 0.28, 0.28, 0.27, 0.27, 0.26, 0.26, 0.26, 0.26

Fidelity® Total International Index (USD)

Morningstar Quantitative Rating™
 Silver 0
 09-30-2020

Overall Morningstar Rating™ Standard Index

 661 US Fund Foreign Large Blend

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

| Performance 10-31-2020 | 10-31-2020 | | | | Total % |
|------------------------|------------|---------|---------|---------|---------|
| | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | |
| Quarterly Returns | -0.40 | -2.96 | 0.33 | -11.71 | -14.38 |
| 2018 | 10.19 | 2.85 | -1.68 | 9.02 | 21.48 |
| 2019 | -24.15 | 17.41 | 6.78 | — | -7.09 |
| Trailing Returns | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | -1.97 | -0.15 | — | — | 4.99 |
| Std 09-30-2020 | 3.67 | — | — | — | 5.66 |
| Total Return | -1.97 | -0.15 | — | — | 4.99 |
| +/- Std Index | 0.64 | 0.04 | — | — | — |
| +/- Cat Index | 0.64 | 0.04 | — | — | — |
| % Rank Cat | 29 | 33 | — | — | — |
| No. in Cat | 772 | 661 | — | — | — |

7-day Yield

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

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™ | 661 funds | 563 funds | 367 funds |
| | 3★ | — | — |

| | Avg | +Avg |
|--------------------|-----|------|
| Morningstar Risk | — | — |
| Morningstar Return | — | — |

| | 3 Yr | 5 Yr | 10 Yr |
|--------------------|-------|------|-------|
| Standard Deviation | 16.63 | — | — |
| Mean | -0.15 | — | — |
| Sharpe Ratio | -0.02 | — | — |

| MPT Statistics | Standard Index | Best Fit Index |
|----------------|----------------|----------------|
| Alpha | 0.12 | -0.62 |
| Beta | 1.02 | 1.01 |

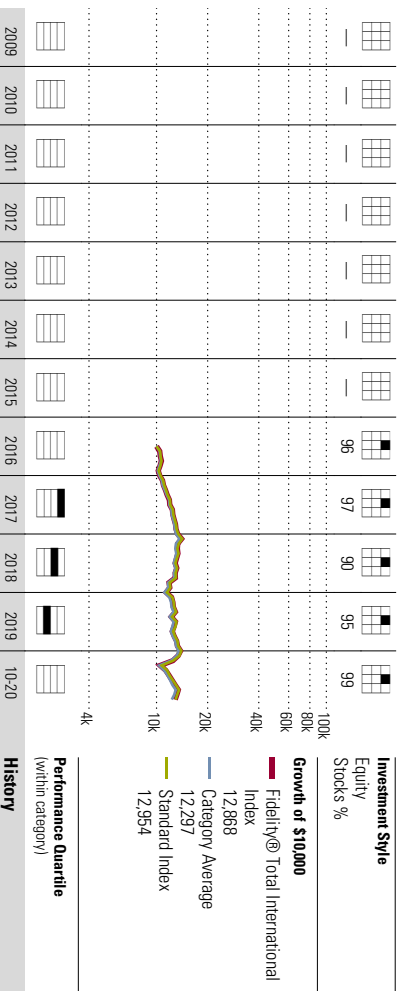
| | Mkt's xUS GR USD |
|-------------------------|------------------|
| R-Squared | 98.92 |
| 12-Month Yield | 99.14 |
| Potential Cap Gains Exp | 2.60% |

Operations

| | |
|------------|----------------------|
| Family: | Fidelity Investments |
| Manager: | Multiple |
| Tenure: | 4.4 Years |
| Objective: | Foreign Stock |

| | |
|---------------------------|--------------|
| Base Currency: | USD |
| Ticker: | FTIH |
| SIN: | US31635V6386 |
| Minimum Initial Purchase: | \$0 |

| | |
|-----------------------|----------------|
| Purchase Constraints: | — |
| Incept: | 06-07-2016 |
| Type: | MIF |
| Total Assets: | \$4,655.47 mil |



| Portfolio Analysis 09-30-2020 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 10-20 |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Asset Allocation % 08-31-2020 | — | — | — | — | — | — | — | — | — | — | — | — |
| Cash | — | — | — | — | — | — | — | — | — | — | — | — |
| US Stocks | — | — | — | — | — | — | — | — | — | — | — | — |
| Non-US Stocks | — | — | — | — | — | — | — | — | — | — | — | — |
| Bonds | — | — | — | — | — | — | — | — | — | — | — | — |
| Other/Not Cstfd | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |

Top Holdings 08-31-2020

| Share Cng | Share | Holdings | Net Assets % |
|-----------|---------|--|--------------|
| 08-2020 | Amount | 4,600 Total Stocks - 2 Total Fixed-Income, 4% Turnover Ratio | % |
| ⊕ | 347,666 | Alibaba Group Holding Ltd ADR | 2.05 |
| ⊕ | 81 mil | Fidelity Reverse Str Tr | 1.67 |
| ⊕ | 1 mil | Tencent Holdings Ltd | 1.49 |
| ⊕ | 727 | MSCI EAFE Index Future Sept 20 | 1.42 |
| ⊕ | 5 mil | Taiwan Semiconductor Manufacturing | 1.36 |
| ⊕ | 549,699 | Nestle SA | 1.36 |
| ⊕ | 130,089 | Roche Holding AG Dividend Right Ce | 0.94 |
| ⊕ | 829,096 | Samsung Electronics Co Ltd | 0.78 |
| ⊕ | 398,052 | Novartis AG | 0.71 |
| ⊕ | 193,195 | SAP SE | 0.66 |
| ⊕ | 574 | MSCI Emerging Markets Index Future | 0.65 |
| ⊕ | 78,735 | ASML Holding NV | 0.61 |
| ⊕ | 240,521 | Astrazeneca PLC | 0.55 |
| ⊕ | 391,592 | Toyota Motor Corp | 0.53 |
| ⊕ | 51,273 | LVMH Moet Hennessy Louis Vuitton SE | 0.50 |

| Value | Share | Gain/Loss |
|-------|-------|-----------|
| Large | Med | Small |
| High | Med | Low |

Fixed-Income Style

| Value | Share | Gain/Loss |
|-------|-------|-----------|
| Large | Med | Small |
| High | Med | Low |

Credit Quality Breakdown

| | Bond % |
|---------|--------|
| AAA | — |
| AA | — |
| A | — |
| BBB | — |
| BB | — |
| B | — |
| Below B | — |
| NR | — |

| | Stocks % | Rel Std Index |
|----------------|----------|---------------|
| Americas | 9.3 | 1.01 |
| Greater Europe | 42.8 | 1.03 |
| Greater Asia | 47.9 | 0.97 |

| | Stocks % | Rel Std Index |
|--------------------------|----------|---------------|
| ⊕ Cyclical | 40.1 | 0.99 |
| ⊕ Basic Materials | 8.0 | 1.03 |
| ⊕ Consumer Cyclical | 12.3 | 0.97 |
| ⊕ Financial Services | 16.0 | 0.93 |
| ⊕ Real Estate | 3.8 | 1.38 |
| ⊕ Sensitive | 36.6 | 1.01 |
| ⊕ Communication Services | 7.9 | 0.90 |
| ⊕ Energy | 4.0 | 0.98 |
| ⊕ Industrials | 12.6 | 1.11 |
| ⊕ Technology | 12.2 | 1.01 |
| ⊕ Defensive | 23.3 | 1.00 |
| ⊕ Consumer Defensive | 9.6 | 0.98 |
| ⊕ Healthcare | 10.4 | 1.01 |
| ⊕ Utilities | 3.3 | 0.98 |

©2020 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, in whole or in part, as to accuracy, completeness or timeliness. 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, 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 preceded or accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.



Hartford MidCap HLS IA (USD)

Morningstar Quantitative
Rating™
 Silver A
 09-30-2020

Overall Morningstar Rating™ Standard Index
 ★★ ★★
 557 US Fund Mid-Cap Growth

Category Index S&P 500 TR USD
 Growth TR USD

Morningstar Cat US Fund Mid-Cap Growth

Performance 10-31-2020

| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
|-------------------|---------|---------|---------|---------|---------|
| 2018 | 3.42 | 3.95 | 4.59 | -17.69 | -7.44 |
| 2019 | 20.20 | 4.85 | -1.35 | 6.86 | 32.87 |
| 2020 | -24.21 | 25.27 | 4.44 | — | 0.58 |

| Trailing Returns | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
|------------------|------|------|-------|-------|--------|
| Load-adj Mthly | 6.94 | 8.63 | 10.60 | 12.61 | 12.97 |
| Std 09-30-2020 | 5.96 | — | 11.75 | 12.82 | 12.96 |
| Total Return | 6.94 | 8.63 | 10.60 | 12.61 | 12.97 |

| +/- Std Index | -2.77 | -1.79 | -1.11 | -0.41 | — |
|---------------|--------|-------|-------|-------|---|
| +/- Cat Index | -14.19 | -6.58 | -3.55 | -1.52 | — |
| % Rank Cat | 85 | 78 | 73 | 58 | — |
| No. in Cat | 607 | 557 | 499 | 380 | — |

| 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 888-943-7824 or visit www.hartfordfunds.com.

Fees and Expenses

| | |
|--------------------------------|-------------|
| Sales Charges | NA |
| Front-End Load % | NA |
| Deferred Load % | NA |
| Fund Expenses | 0.67 |
| Management Fees % | NA |
| 12b1 Expense % | NA |
| Net Expense Ratio % | 0.70 |
| Gross Expense Ratio % | 0.70 |
| Risk and Return Profile | |

| | 3 Yr | 5 Yr | 10 Yr |
|---------------------|------|------|-------|
| Morningstar Rating™ | 5★ | 5★ | 5★ |
| Morningstar Risk | 2★ | 2★ | 3★ |
| Morningstar Return | -Avg | -Avg | Avg |

| | 3 Yr | 5 Yr | 10 Yr |
|--------------------|-------|-------|-------|
| Standard Deviation | 21.23 | 17.88 | 16.41 |
| Mean | 8.63 | 10.60 | 12.61 |
| Sharpe Ratio | 0.42 | 0.59 | 0.77 |

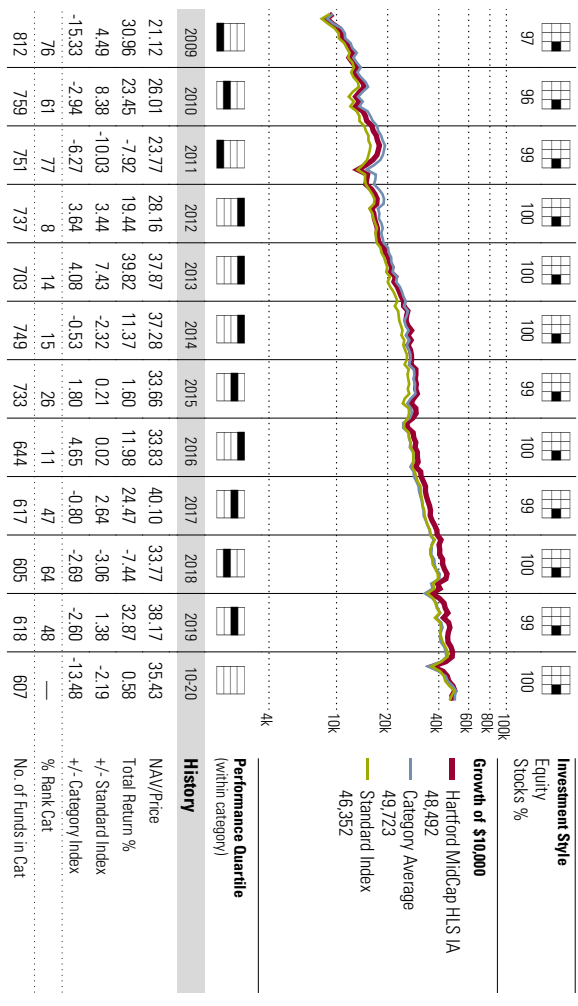
MPI Statistics

| | Standard Index | Best Fit Index |
|-------------------------|----------------|-------------------------------|
| Alpha | 0.73 | Morningstar US Mid Cap TR USD |
| Beta | -2.22 | 0.73 |
| R-Squared | 1.13 | 1.01 |
| 12-Month Yield | 89.60 | 96.14 |
| Potential Cap Gains Exp | — | 33.47% |

Operations
 Family: Hartford Mutual Funds
 Manager: Multiple
 Tenure: 10.7 Years
 Objective: Growth

Base Currency: USD
 Ticker: HLMCX
 ISIN: US4165287016
 Minimum Initial Purchase: \$0

Purchase Constraints: A
 Incept: 07-14-1997
 Type: MF
 Total Assets: \$2,182.24 mil



Portfolio Analysis 09-30-2020

| Asset Allocation % | Net % | Long % | Short % |
|--------------------|--------|--------|---------|
| Cash | 0.32 | 0.32 | 0.00 |
| US Stocks | 94.97 | 94.97 | 0.00 |
| Non-US Stocks | 4.70 | 4.70 | 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 | Rel | Rel |
|-------|-------|--------|-----------------|-------|------|
| | | | Avg | Index | Cat |
| Large | | | P/E Ratio TTM | 27.0 | 1.07 |
| Mid | | | P/C Ratio TTM | 12.7 | 0.87 |
| Small | | | P/B Ratio TTM | 2.9 | 0.84 |
| | | | Geo Avg Mkt Cap | 6724 | 0.04 |
| | | | Geo Avg Mkt Cap | 6724 | 0.04 |

Fixed-Income Style

| Value | Brand | Growth | Port | Rel | Rel |
|-------|-------|--------|------------------|-----|----------|
| | | | Avg | Eff | Maturity |
| High | | | Avg Eff Duration | — | — |
| Med | | | Avg Wtd Coupon | — | — |
| Low | | | Avg Wtd Price | — | — |

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 | 96.4 | 0.97 |
| Greater Europe | 0.0 | 0.00 |
| Greater Asia | 3.6 | 91.90 |

Investment Style

Growth of \$10,000

| Equity | Stocks % | NAV/Price | Total Return % | +/- Standard Index | +/- Category Index | % Rank Cat | No. of Funds in Cat |
|------------------------|----------|-----------|----------------|--------------------|--------------------|------------|---------------------|
| Hartford MidCap HLS IA | 48.492 | 38.17 | 32.87 | -2.19 | -13.48 | — | 607 |
| Category Average | 49.723 | 32.87 | 32.87 | — | — | — | — |
| Standard Index | 46.352 | 32.87 | 32.87 | — | — | — | — |

Performance Quartile (within category)
History

Share Clg

| Share Clg | Share Amount | Holdings: 101 Total Stocks, 0 Total Fixed-Income, 29% Turnover Ratio | Net Assets % |
|-----------|--------------|--|--------------|
| 08-2020 | 1 mil | Genpact Ltd | 2.32 |
| | 1 mil | Ingersoll Rand Inc | 2.16 |
| | 1 mil | Il-VI Inc | 1.96 |
| | 9,421 | NVR Inc | 1.86 |
| | 276,042 | WEX Inc | 1.85 |
| | 205,824 | IDEX Corp | 1.81 |
| | 300,388 | Etsy Inc | 1.76 |
| | 126,433 | Lennox International Inc | 1.66 |
| | 517,736 | Encompass Health Corp | 1.62 |
| | 447,291 | Lumentum Holdings Inc | 1.62 |
| | 400,842 | Hill-Fom Holdings Inc | 1.62 |
| | 300,669 | MKS Instruments Inc | 1.58 |
| | 606,200 | IAA Inc Ordinary Shares | 1.52 |
| | 946,818 | UGI Corp | 1.51 |
| | 163,010 | Roku Inc Class A | 1.49 |

Sector Weightings

| | Stocks % | Rel Std Index |
|------------------------|-------------|---------------|
| Cyclical | 28.9 | 1.00 |
| Basic Materials | 0.6 | 0.29 |
| Consumer Cyclical | 13.9 | 1.23 |
| Financial Services | 9.9 | 0.77 |
| Real Estate | 4.5 | 1.71 |
| Sensitive | 48.0 | 1.04 |
| Communication Services | 4.6 | 0.42 |
| Energy | 0.5 | 0.23 |
| Industrials | 14.9 | 1.70 |
| Technology | 28.1 | 1.16 |
| Defensive | 23.0 | 0.93 |
| Consumer Defensive | 2.3 | 0.31 |
| Healthcare | 18.3 | 1.29 |
| Utilities | 2.4 | 0.76 |

©2020 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 **★★★★★** 405 US Fund Foreign Large USA NR USD MSCI ACWI EX USA Growth NR US Fund Foreign Large
 02-03-2020

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.69 | 0.42 | 2.43 | -10.81 | -8.89 |
| 2019 | 12.18 | 4.35 | 0.14 | 7.48 | 25.99 |
| 2020 | -13.45 | 16.88 | 8.55 | — | 5.65 |

| Trailing Returns | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
|------------------|-------|------|-------|-------|--------|
| Load-adj Mthly | 10.66 | 7.67 | 9.88 | 10.15 | 7.32 |
| Std 09-30-2020 | 17.82 | — | 12.00 | 10.97 | 7.64 |
| Total Return | 10.66 | 7.67 | 9.88 | 10.15 | 7.32 |
| +/- Std Index | 13.27 | 7.86 | 5.62 | 6.72 | — |
| +/- Cat Index | -0.77 | 1.82 | 1.70 | 4.29 | — |
| % Rank Cat | 42 | 24 | 18 | 5 | — |
| No. in Cat | 456 | 405 | 322 | 237 | — |

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

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

Fund Expenses

Management Fees % 0.61
 12B1 Expense % NA
Net Expense Ratio % **0.63**
Gross Expense Ratio % **0.63**
Risk and Return Profile

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

| | 3 Yr | 5 Yr | 10 Yr |
|--------------------|-------|-------|-------|
| Standard Deviation | 12.76 | 11.28 | 11.62 |
| Mean | 7.67 | 9.88 | 10.15 |
| Sharpe Ratio | 0.52 | 0.79 | 0.94 |

MPI Statistics Standard Index Best Fit Index
 MSCI EAFE Growth NR USD NR USD

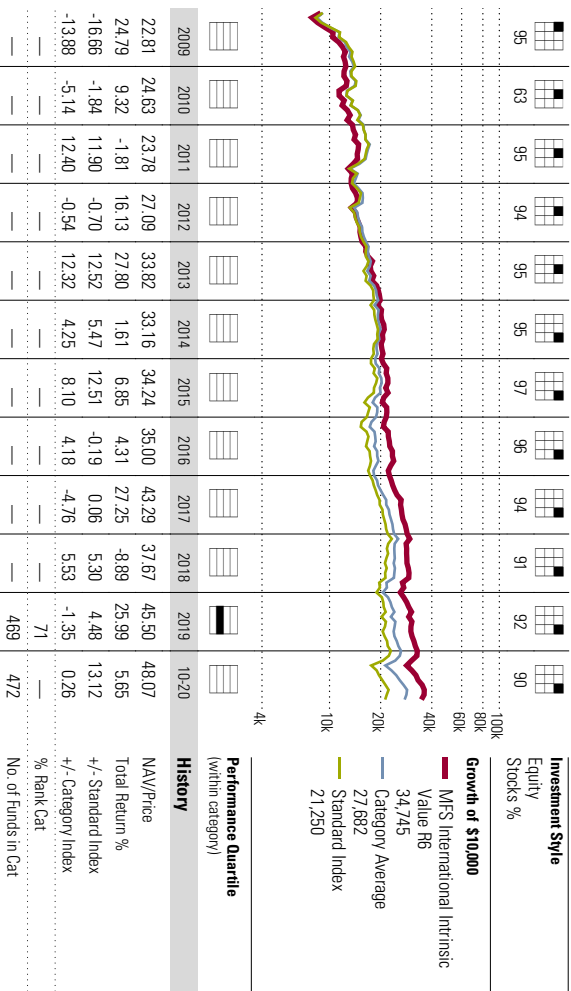
| | | |
|-------------------------|-------|--------|
| Alpha | 6.96 | 3.05 |
| Beta | 0.71 | 0.85 |
| R-Squared | 81.49 | 94.07 |
| 12-Month Yield | — | — |
| Potential Cap Gains Exp | — | 35.46% |

Operations

Family: MFS
 Manager: Multiple
 Tenure: 12.0 Years
 Objective: Foreign Stock

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

Purchase Constraints: A/C
 Incept: 05-01-2006
 Type: MF
 Total Assets: \$28,376.94 mil



| Portfolio Analysis 09-30-2020 | | | | | | | | | | | | |
|-------------------------------|--------|-------|-------|--------|---------|------------|-----------------|--------|-----------------|----------------------|--------------|------|
| Asset Allocation % | | | Net % | Long % | Short % | Share Clng | Share Holdings: | Amount | 91 Total Stocks | 0 Total Fixed-Income | Net Assets % | |
| Cash | 22.81 | 24.63 | 23.78 | 27.09 | 33.82 | 33.16 | 34.24 | 35.00 | 43.29 | 37.67 | 48.07 | 4.87 |
| US Stocks | 24.79 | 9.32 | -1.81 | 16.13 | 27.80 | 1.61 | 6.85 | 4.31 | 27.25 | -8.89 | 25.99 | 5.65 |
| Non-US Stocks | -16.66 | -1.84 | 11.90 | -0.70 | 12.52 | 5.47 | 12.51 | -0.19 | 0.06 | 5.30 | 13.12 | 4.54 |
| Bonds | -13.88 | -5.14 | 12.40 | -0.54 | 12.32 | 4.25 | 8.10 | 4.18 | -4.76 | 5.53 | 0.26 | 3.64 |
| Other/Not Clsfd | — | — | — | — | — | — | — | — | — | — | — | 2.81 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — |

| Equity Style | | Portfolio Statistics | | Port | Rel | Rel |
|--------------|--------------|----------------------|---------------|-----------|-------|------|
| Value | Brand Growth | P/E Ratio TTM | P/C Ratio TTM | Avg Index | Index | Cat |
| Large | Med | 19.7 | 2.22 | 1.18 | 1.62 | 1.07 |
| Med | Med | 3.5 | 2.22 | 1.00 | 2.22 | 1.00 |
| Small | Low | Geo Avg Mkt Cap | 30873 | 0.80 | 0.80 | 0.60 |

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

| Sector Weightings | | Stocks % | Rel Std Index |
|------------------------|--|-------------|---------------|
| Cyclical | | 18.7 | 0.46 |
| Basic Materials | | 10.2 | 1.30 |
| Consumer Cyclical | | 2.3 | 0.18 |
| Financial Services | | 2.8 | 0.16 |
| Real Estate | | 3.5 | 1.27 |
| Sensitive | | 46.5 | 1.28 |
| Communication Services | | 0.8 | 0.09 |
| Energy | | 0.1 | 0.03 |
| Industrials | | 19.7 | 1.74 |
| Technology | | 25.8 | 2.15 |
| Defensive | | 34.8 | 1.49 |
| Consumer Defensive | | 30.9 | 3.18 |
| Healthcare | | 3.9 | 0.38 |
| Utilities | | 0.0 | 0.00 |

| Regional Exposure | | Stocks % | Rel Std Index |
|-------------------|--|----------|---------------|
| Americas | | 18.6 | 2.01 |
| Greater Europe | | 53.9 | 1.29 |
| Greater Asia | | 27.5 | 0.56 |

©2020 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 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 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™
 Silver 0

Overall Morningstar Rating™
 ★★★★★
 389 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 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -1.89 | 2.35 | 3.56 | -14.72 | -11.31 |
| 2019 | 14.60 | 4.66 | 2.06 | 7.08 | 31.08 |
| 2020 | -30.83 | 19.78 | 5.36 | — | -11.88 |
| Trailing Returns | | | | | |
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | -6.31 | 2.13 | 5.71 | — | 8.34 |
| Std 09-30-2020 | -6.52 | — | 6.60 | — | 8.27 |
| Total Return | -6.31 | 2.13 | 5.71 | 9.77 | 8.34 |
| +/- Std Index | -16.02 | -8.29 | -6.00 | -3.25 | — |
| +/- Cat Index | 0.63 | 1.27 | 0.39 | 0.36 | — |
| % Rank Cat | | | | | |
| | 23 | 11 | 14 | 8 | — |
| No. in Cat | | | | | |
| | 416 | 389 | 345 | 247 | — |

| | Subsidized | Unsubsidized |
|------------------|------------|--------------|
| 7-day Yield | — | — |
| 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

| | |
|-------------------------|-----------|
| 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™ | 399 funds | 345 funds | 247 funds |
| | 4★ | 4★ | 5★ |
| Morningstar Risk | -Avg | -Avg | -Avg |
| Morningstar Return | +Avg | +Avg | High |

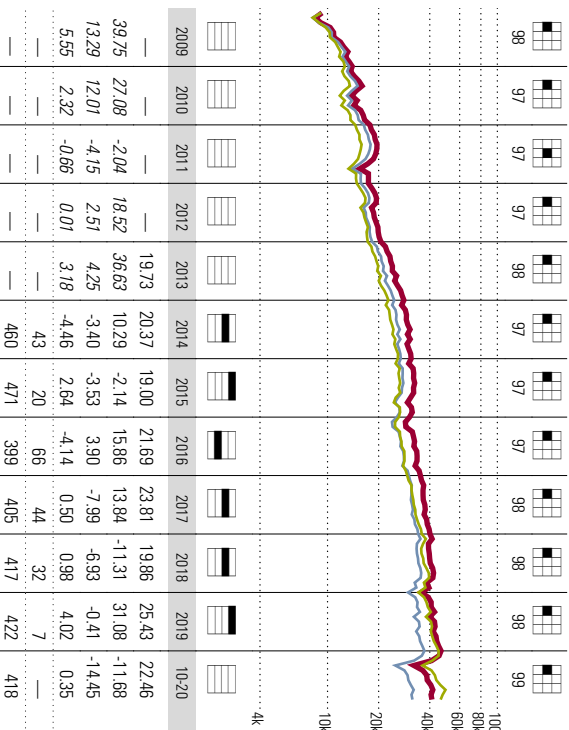
| | 3 Yr | 5 Yr | 10 Yr |
|--------------------|-------|-------|-------|
| Standard Deviation | 21.00 | 17.44 | 15.34 |
| Mean | 2.13 | 5.71 | 9.77 |
| Sharpe Ratio | 0.13 | 0.34 | 0.65 |

MPI Statistics

| | Standard Index | Best Fit Index |
|-------------------------|----------------|----------------|
| Alpha | -8.16 | 3.13 |
| Beta | 1.10 | 0.33 |
| R-Squared | 87.99 | 97.61 |
| 12-Month Yield | — | — |
| Potential Cap Gains Exp | — | 17.69% |

Operations

| | |
|------------|------------|
| Family: | MFS |
| Manager: | Multiple |
| Tenure: | 12.0 Years |
| Objective: | Growth |



| Investment Style | |
|----------------------|----------|
| Equity | Stocks % |
| MFS Mid Cap Value R6 | 41,176 |
| Category Average | 31,637 |
| Standard Index | 46,352 |

| Performance Quartile (within category) | |
|--|-----------|
| History | NAV/Price |
| 2009 | — |
| 2010 | — |
| 2011 | — |
| 2012 | — |
| 2013 | 19.73 |
| 2014 | 20.37 |
| 2015 | 19.00 |
| 2016 | 21.69 |
| 2017 | 23.81 |
| 2018 | 19.86 |
| 2019 | 25.43 |
| 10-20 | 22.46 |
| Total Return % | -11.88 |
| +/- Standard Index | -0.41 |
| +/- Category Index | 4.02 |
| % Rank Cat | 7 |
| No. of Funds in Cat | 418 |

Portfolio Analysis 09-30-2020

| Asset Allocation % | Net % | Long % | Short % |
|--------------------|--------|--------|---------|
| Cash | 1.42 | 1.42 | 0.00 |
| US Stocks | 94.32 | 94.32 | 0.00 |
| Non-US Stocks | 4.25 | 4.25 | 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 | Portfolio Statistics | Port | Rel | Rel |
|--------------|-----------------------|-------|-------|------|
| | | Avg | Index | Cat |
| Value | P/E Ratio TTM | 19.6 | 0.78 | 1.12 |
| Brand | P/C Ratio TTM | 7.6 | 0.52 | 0.87 |
| Growth | P/B Ratio TTM | 1.8 | 0.52 | 1.07 |
| | Geo Avg Mkt Cap | 11387 | 0.07 | 1.04 |
| | Geo Avg Mkt Cap \$mil | | | |

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

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 | 96.2 | 0.97 |
| Greater Europe | 2.0 | 2.23 |
| Greater Asia | 1.9 | 47.72 |

| | |
|---------------------------|---------------|
| Base Currency: | USD |
| Ticker: | MNCKX |
| ISIN: | US55273WW4758 |
| Minimum Initial Purchase: | \$0 |

| | |
|-----------------------|-----------------|
| Purchase Constraints: | A |
| Incept: | 02-01-2013 |
| Type: | MIF |
| Total Assets: | \$10,353.79 mil |

| Share Cng | Share | Holdings: | Net Assets |
|-----------|---------|--|------------|
| since | Amount | 152 Total Stocks: 0 Total Fixed-Income, 27% Turnover Ratio | % |
| 08-2020 | 780,357 | Stanley Black & Decker Inc | 1.28 |
| | 1 mil | Nasdaq Inc | 1.26 |
| | 2 mil | Toll Brothers Inc | 1.20 |
| | 1 mil | Arthur J. Gallagher & Co | 1.16 |
| | 1 mil | Eaton Corp Plc | 1.15 |
| | 1 mil | Eastman Chemical Co | 1.14 |
| | 828,791 | Zimmer Biomet Holdings Inc | 1.14 |
| | 659,017 | L3harris Technologies Inc | 1.13 |
| | 2 mil | Public Service Enterprise Group Inc | 1.12 |
| | 1 mil | Life Storage Inc | 1.10 |
| | 1 mil | Eversource Energy | 1.10 |
| | 2 mil | CMS Energy Corp | 1.10 |
| | 3 mil | HD Supply Holdings Inc | 1.09 |
| | 3 mil | Marvell Technology Group Ltd | 1.03 |
| | 1 mil | Pinnacle West Capital Corp | 1.02 |

Sector Weightings

| | Stocks % | Rel Std Index |
|------------------------|-------------|---------------|
| Cyclical | 43.8 | 1.51 |
| Basic Materials | 6.9 | 3.06 |
| Consumer Cyclical | 11.0 | 0.97 |
| Financial Services | 18.8 | 1.47 |
| Real Estate | 7.1 | 2.71 |
| Sensitive | 29.6 | 0.64 |
| Communication Services | 1.5 | 0.13 |
| Energy | 3.6 | 1.78 |
| Industrials | 15.9 | 1.82 |
| Technology | 8.6 | 0.36 |
| Defensive | 26.5 | 1.07 |
| Consumer Defensive | 7.6 | 1.01 |
| Healthcare | 8.9 | 0.63 |
| Utilities | 10.1 | 3.15 |

©2020 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, in whole or in part, 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 investment objectives, risks, charges and expenses. This report is supplemental sales literature. If applicable it must be predated or accompanied by a prospectus, or equivalent, and disclose investment objectives, risks, charges and expenses.

Nationwide Fixed Account

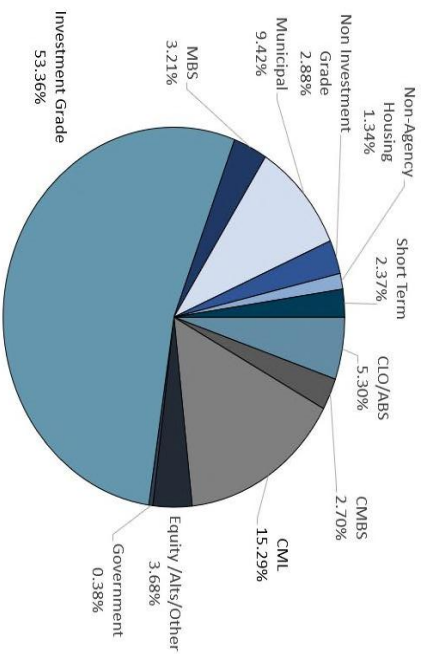
Q3 2020
As of 09/30

(Group annuity contract issued by Nationwide Life Insurance Company¹)

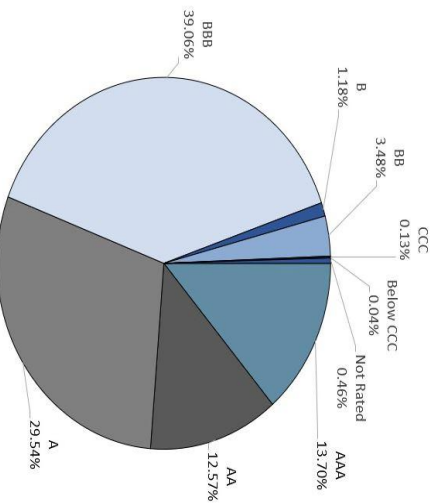
Product Profile

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% |
| MICROSOFT 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 ² : | 109% |

Nationwide Life Insurance Co. Ratings³

| | | |
|-------------------|----|-------------------|
| 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.

¹ 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.

² 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.

³ 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.

T. Rowe Price Lrg Cp Gr I (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat
Silver **★★★★★** **1,224 US Fund Large Growth** **S&P 500 TR USD** **Russell 1000** **US Fund Large Growth**
 08-26-2020

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | 4.96 | 6.76 | 6.82 | -12.85 | 4.32 |
| 2019 | 14.68 | 3.00 | -1.11 | 10.00 | 28.49 |
| 2020 | -13.87 | 28.60 | 11.46 | — | 21.29 |

| Trailing Returns | | | | | |
|------------------|-------|-------|-------|-------|--------|
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 30.24 | 18.47 | 18.21 | 17.25 | 11.55 |
| Std 09-30-2020 | 35.80 | — | 20.61 | 18.09 | 11.71 |
| Total Return | 30.24 | 18.47 | 18.21 | 17.25 | 11.55 |

| +/- Std Index | | | | | |
|---------------|-------|-------|------|------|---|
| | 20.53 | 8.05 | 6.50 | 4.24 | — |
| +/- Cat Index | 1.02 | -0.29 | 0.89 | 0.95 | — |

| % Rank Cat | | | | | |
|------------|------|------|------|-----|---|
| | 29 | 32 | 12 | 9 | — |
| No. in Cat | 1317 | 1224 | 1089 | 806 | — |

7-day Yield 11-03-20 **Subsidized** 0.00 **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 800-638-9797 or visit www.troweprice.com.

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

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

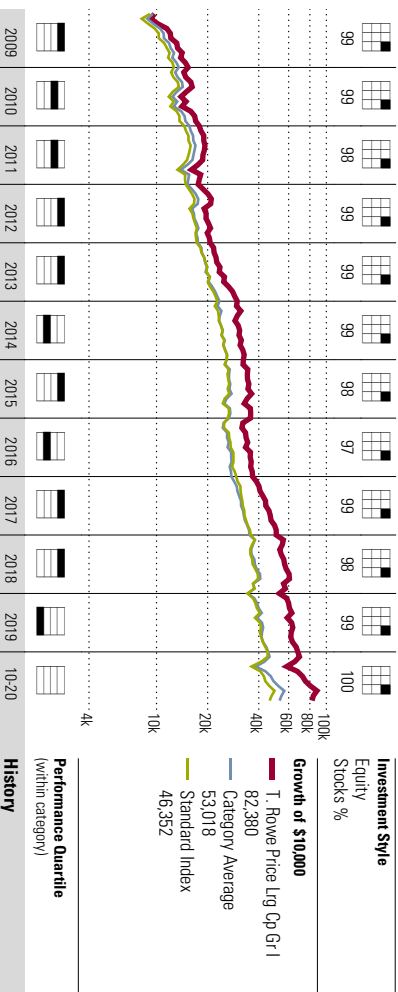
| | 3 Yr | 5 Yr | 10 Yr |
|--------------------|-------|-------|-------|
| Standard Deviation | 19.10 | 16.45 | 15.38 |
| Mean | 18.47 | 18.21 | 17.25 |
| Sharpe Ratio | 0.90 | 1.03 | 1.08 |

| MPT Statistics | Standard Index | Best Fit Index |
|-------------------------|----------------|----------------|
| Alpha | 7.00 | -1.20 |
| Beta | 1.03 | 0.98 |
| R-Squared | 92.52 | 97.05 |
| 12-Month Yield | — | — |
| Potential Cap Gains Exp | — | 43.57% |

Operations
 Family: T. Rowe Price
 Manager: Taymour Tamaddon
 Tenure: 3.8 Years
 Objective: Growth

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

Purchase Constraints: A
 Incept: 10-31-2001
 Type: M/F
 Total Assets: \$19,150.89 mil



| Portfolio Analysis 09-30-2020 | | | | | | | | | | | |
|-------------------------------|--------|--------|-------|--------|---------|------------|----------------|----------|--------------------|---------------------|-----------|
| Asset Allocation % | | | Net % | Long % | Short % | Share Clng | | | | | NAV/Price |
| Cash | 0.43 | 0.43 | 0.00 | 0.00 | 0.00 | 06-2020 | Amount | Holdings | 27% Turnover Ratio | Total Return % | |
| US Stocks | 92.65 | 92.65 | 0.00 | 0.00 | 0.00 | 628,200 | Amazon.com Inc | 8 mi | Microsoft Corp | +/- Standard Index | |
| Non-US Stocks | 6.92 | 6.92 | 0.00 | 0.00 | 0.00 | 8 mi | Facebook Inc A | 4 mi | Alphabet Inc A | +/- Category Index | |
| Bonds | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 665,980 | Alphabet Inc A | 7 mi | Apple Inc | % Rank Cat | |
| Other/Not Cstfd | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | — | — | — | No. of Funds in Cat | |
| Total | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | — | — | — | — | — | |

| Equity Style | | | | | | | | | | | |
|--------------|-------|--------|------------------|-------|------|------------|-------------------------------|----------|----------------------|---------------------|-----------|
| Value | Brand | Growth | Port | Rel | Rel | Share Clng | | | | | NAV/Price |
| Large | Med | Ext | Avg Eff Maturity | Index | Cat | 06-2020 | Amount | Holdings | 27% Turnover Ratio | Total Return % | |
| Large | Med | Ext | Avg Eff Duration | 1.37 | 1.03 | 3 mi | Global Payments Inc | 3 mi | Alphabet Inc Class C | +/- Standard Index | |
| Large | Med | Ext | Avg Wtd Coupon | 1.43 | 0.95 | 2 mi | Alibaba Group Holding Ltd ADR | 2 mi | Salesforce.com Inc | +/- Category Index | |
| Large | Med | Ext | Avg Wtd Price | 6.3 | 1.84 | 2 mi | Salesforce.com Inc | 1 mi | Intuit Inc | % Rank Cat | |
| Large | Med | Ext | — | 1.50 | 0.90 | 1 mi | Intuit Inc | 1 mi | Netflix Inc | No. of Funds in Cat | |

| Fixed-Income Style | | | | | | | | | | | |
|--------------------|-------|--------|------------------|-------|------|------------|-------------------------------|----------|----------------------|---------------------|-----------|
| Value | Brand | Growth | Port | Rel | Rel | Share Clng | | | | | NAV/Price |
| Large | Med | Ext | Avg Eff Maturity | Index | Cat | 06-2020 | Amount | Holdings | 27% Turnover Ratio | Total Return % | |
| Large | Med | Ext | Avg Eff Duration | 1.37 | 1.03 | 3 mi | Global Payments Inc | 3 mi | Alphabet Inc Class C | +/- Standard Index | |
| Large | Med | Ext | Avg Wtd Coupon | 1.43 | 0.95 | 2 mi | Alibaba Group Holding Ltd ADR | 2 mi | Salesforce.com Inc | +/- Category Index | |
| Large | Med | Ext | Avg Wtd Price | 6.3 | 1.84 | 2 mi | Salesforce.com Inc | 1 mi | Intuit Inc | % Rank Cat | |
| Large | Med | Ext | — | 1.50 | 0.90 | 1 mi | Intuit Inc | 1 mi | Netflix Inc | No. of Funds in Cat | |

| Credit Quality Breakdown | | | | | | | | | | | |
|--------------------------|----|---|-----|----|---|------------|------------------------|----------|--------------------------|--------------------|-----------|
| AAA | AA | A | BBB | BB | B | Share Clng | | | | | NAV/Price |
| AAA | AA | A | BBB | BB | B | 06-2020 | Amount | Holdings | 27% Turnover Ratio | Total Return % | |
| AAA | AA | A | BBB | BB | B | 270,534 | Alphabet Inc Class C | 6 mi | Tencent Holdings Ltd ADR | +/- Standard Index | |
| AAA | AA | A | BBB | BB | B | 1 mi | Unitedhealth Group Inc | 1 mi | Unitedhealth Group Inc | +/- Category Index | |

| Sector Weightings | | | | | | | | | | |
|-------------------|--------------|-------------|-----------|------------|--------------------|-------------------|--------------------|------------|--------|-------------|
| Cyclical | Non-Cyclical | Real Estate | Utilities | Healthcare | Consumer Defensive | Consumer Cyclical | Financial Services | Technology | Energy | Industrials |
| 30.7 | 0.6 | 0.8 | 0.8 | 1.5 | 21.2 | 8.1 | 0.8 | 26.2 | 0.1 | 4.3 |
| 1.06 | 0.27 | 0.32 | 0.32 | 0.21 | 1.87 | 0.63 | 0.32 | 1.08 | 0.03 | 0.49 |
| 1.14 | 0.27 | 0.32 | 0.32 | 0.21 | 1.87 | 0.63 | 0.32 | 1.08 | 0.03 | 0.49 |

©2020 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.



Vanguard International Growth Adm (USD)

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | 3.39 | 0.71 | -1.51 | -14.76 | -12.58 |
| 2019 | 14.92 | 3.23 | -3.02 | 14.29 | 31.48 |
| 2020 | -15.52 | 33.01 | 16.27 | — | 30.06 |
| Trailing Returns | | | | | |
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 42.49 | 15.01 | 16.39 | 10.52 | 8.92 |
| Std 09-30-2020 | 49.32 | — | 18.58 | 10.93 | 8.99 |
| Total Return | 42.49 | 15.01 | 16.39 | 10.52 | 8.92 |
| +/- Std Index | 45.10 | 15.20 | 12.13 | 7.09 | — |
| +/- Cat Index | 31.06 | 9.15 | 8.22 | 4.67 | — |
| % Rank Cat | 4 | 4 | 4 | 4 | 4 |
| No. in Cat | 456 | 405 | 322 | 237 | — |

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.

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

Fund Expenses
Management Fees % 0.31
12b1 Expense % NA
Net Expense Ratio % 0.32
Gross Expense Ratio % 0.32

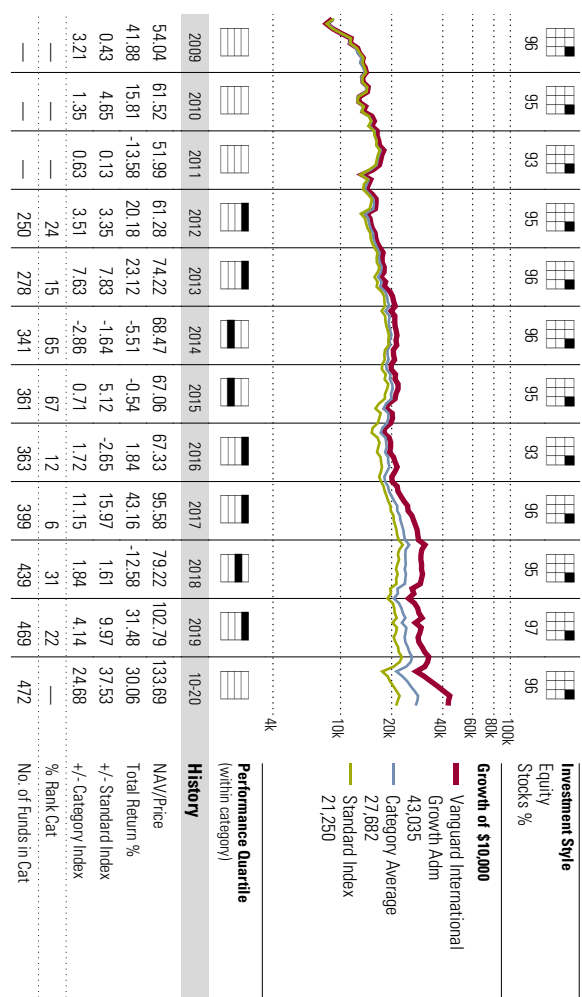
| Risk and Return Profile | | | | | |
|-------------------------|------|------|-------|-----------|-----------|
| | 3 Yr | 5 Yr | 10 Yr | | |
| Morningstar Rating™ | 5★ | 5★ | 5★ | 405 funds | 322 funds |
| Morningstar Risk | High | High | High | 237 funds | |
| Morningstar Return | High | High | High | | |

Standard Deviation 3 Yr 19.75 5 Yr 17.19 10 Yr 16.94
Mean 15.01 16.39 10.52
Sharpe Ratio 0.73 0.90 0.64

| MPT Statistics | Standard Index | Best Fit Index |
|-------------------------|----------------|-------------------------------------|
| Alpha | 14.88 | MSCI ACWI Ex USA Growth NR USD 7.93 |
| Beta | 1.12 | 1.21 |
| R-Squared | 85.08 | 91.28 |
| 12-Month Yield | — | — |
| Potential Cap Gains Exp | — | 26.41% |

Operations
Family: Vanguard
Manager: Multiple
Tenure: 17.8 Years
Objective: Foreign Stock

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



Portfolio Analysis 06-30-2020

| Asset Allocation % | Net % | Long % | Short % |
|--------------------|--------|--------|---------|
| Cash | 3.78 | 3.78 | 0.00 |
| US Stocks | 12.34 | 12.34 | 0.00 |
| Non-US Stocks | 83.45 | 83.45 | 0.00 |
| Bonds | 0.04 | 0.04 | 0.00 |
| Other/Not Cstfd | 0.40 | 0.40 | 0.00 |
| Total | 100.00 | 100.00 | 0.00 |

Equity Style

| Value | Brand | Geogr | Port | Rel | Rel | |
|-------|-------|-------|-----------------|-------|------|------|
| Large | Mid | Small | Index | Index | Cat | |
| — | — | — | P/E Ratio TTM | 28.4 | 1.58 | 1.04 |
| — | — | — | P/C Ratio TTM | 17.9 | 2.01 | 1.07 |
| — | — | — | P/B Ratio TTM | 4.0 | 2.58 | 1.16 |
| — | — | — | Geo Avg Mkt Cap | 73440 | 1.90 | 1.44 |

Fixed-Income Style

| Value | Brand | Geogr | Avg Eff Maturity | Avg Eff Duration | Avg Wtd Coupon | Avg Wtd Price |
|-------|-------|-------|------------------|------------------|----------------|---------------|
| High | Med | Low | High | Med | Low | High |
| — | — | — | — | — | — | — |
| — | — | — | — | — | — | — |
| — | — | — | — | — | — | — |

Credit Quality Breakdown —

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

Regional Exposure

| Region | Stocks % | Rel Std Index |
|----------------|----------|---------------|
| Americas | 17.9 | 1.98 |
| Greater Europe | 47.2 | 1.13 |
| Greater Asia | 34.9 | 0.71 |

Base Currency: USD
Tickers: VWIIX
ISIN: US9219105015
Minimum Initial Purchase: \$50,000

| Share Cng | Share | Holdings: | Net Assets |
|-----------|---------|---|------------|
| since | Amount | 119 Total Stocks, 78 Total Fixed-Income, 13% Turnover Ratio | % |
| 03-2020 | 44 mil | Tencent Holdings Ltd | 5.96 |
| | 7 mil | ASML Holding NV | 5.63 |
| | 11 mil | Alibaba Group Holding Ltd ADR | 5.14 |
| | 2 mil | Tesla Inc | 4.96 |
| | 2 mil | Meradoll, Inc | 3.98 |
| | 18 mil | Vanguard Market Liquidity Inv | 3.70 |
| | 458,738 | Amazon.com Inc | 2.65 |
| | 18 mil | TAL Education Group ADR | 2.64 |
| | 5 mil | Sporty Technology SA | 2.61 |
| | 27 mil | M3 Inc | 2.36 |
| | 44 mil | Meituan Dianping | 2.05 |
| | 2 mil | Kering SA | 1.95 |
| | 2 mil | Illumina Inc | 1.88 |
| | 3 mil | Gannab A/S | 1.83 |
| | 5 mil | Ferrari NV | 1.70 |

Sector Weightings

| Sector | Stocks % | Rel Std Index |
|------------------------|-------------|---------------|
| Cyclical | 40.5 | 1.00 |
| Basic Materials | 2.0 | 0.26 |
| Consumer Cyclical | 31.6 | 2.49 |
| Financial Services | 6.9 | 0.40 |
| Real Estate | 0.0 | 0.00 |
| Sensitive | 36.4 | 1.01 |
| Communication Services | 12.7 | 1.45 |
| Energy | 0.9 | 0.23 |
| Industrials | 9.0 | 0.80 |
| Technology | 13.7 | 1.14 |
| Defensive | 23.0 | 0.99 |
| Consumer Defensive | 9.0 | 0.93 |
| Healthcare | 13.2 | 1.29 |
| Utilities | 0.8 | 0.23 |

Purchase Constraints: —
Incept: 08-13-2001
Type: MF
Total Assets: \$55,194.47 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 there are no offers 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
 02-24-2020

Overall Morningstar Rating™
★★★★
 5/3 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 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | 2.09 | 7.34 | 6.65 | -19.30 | -5.88 |
| 2019 | 19.50 | 3.83 | -2.15 | 9.35 | 32.76 |
| 2020 | -24.22 | 32.92 | 7.74 | — | 9.50 |

| Trailing Returns | | | | | |
|-------------------------------|-------|-------|-------|-------|--------|
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly Std 09-30-2020 | 17.98 | 12.30 | 12.86 | — | 14.01 |
| Total Return | 18.68 | — | 13.69 | — | 14.04 |
| | 17.98 | 12.30 | 12.86 | 12.91 | 14.01 |

| +/- Std Index | |
|---------------|------------------------|
| | |
| +/- Std Index | 8.27 1.88 1.15 -0.10 — |
| +/- Cat Index | 4.62 4.41 2.50 0.96 — |

| % Rank Cat | |
|------------|-----------------|
| | |
| % Rank Cat | 45 40 43 43 |
| No. in Cat | 626 573 509 383 |

7-day Yield — Subsidized
 30-day SEC Yield 11-03-20 0.49 0.54

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
 12b1 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 |

| | 3 Yr | 5 Yr | 10 Yr |
|--------------------|-------|-------|-------|
| Standard Deviation | 22.67 | 19.04 | 17.48 |
| Mean | 12.30 | 12.86 | 12.91 |
| Shapero Ratio | 0.56 | 0.67 | 0.75 |

| MPT Statistics | Standard Index | Best Fit Index Morningstar US Small Growth TR USD |
|----------------|----------------|---|
| Alpha | 0.98 | 0.14 |
| Beta | 1.17 | 1.00 |
| R-Squared | 85.10 | 98.26 |

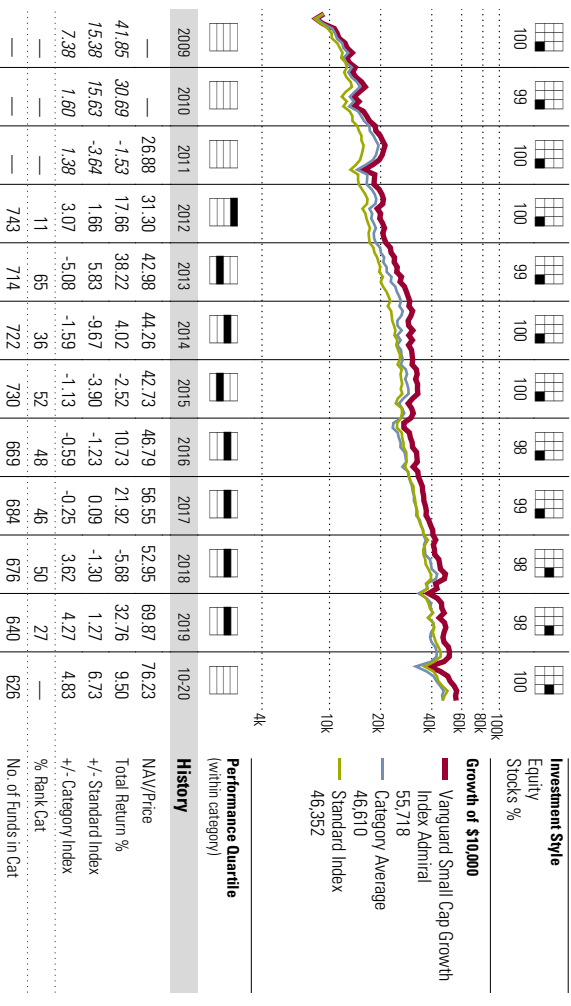
| | 12-Month Yield | Potential Cap Gains Exp |
|--|----------------|-------------------------|
| | 0.52% | 18.65% |

Operations

Family: Vanguard
Manager: Multiple
 Tenure: 15.9 Years
Objective: Small Company

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

Purchase Constraints: —
Incept: 09-27-2011
Type: MF
Total Assets: \$11,746.71 mill



| Portfolio Analysis 09-30-2020 | | | | |
|-------------------------------|--------|--------|--------|---------|
| Asset Allocation % | | Net % | Long % | Short % |
| Cash | 0.22 | 0.22 | 0.22 | 0.00 |
| US Stocks | 99.28 | 99.28 | 99.28 | 0.00 |
| Non-US Stocks | 0.50 | 0.50 | 0.50 | 0.00 |
| Bonds | 0.01 | 0.01 | 0.01 | 0.00 |
| Other/Not Cstfd | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 100.00 | 100.00 | 100.00 | 0.00 |

| Equity Style | | Portfolio Statistics | |
|--------------|--------------|----------------------|----------------|
| Value | Brand Growth | Port Avg Index | Rel Cat |
| Large | — | P/E Ratio TTM | 32.6 1.29 1.03 |
| Mid | — | P/C Ratio TTM | 18.1 1.24 0.90 |
| Small | — | P/B Ratio TTM | 4.4 1.28 1.01 |
| | | Geo Avg Mkt Cap | 5859 0.04 1.28 |

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

| Share Cng | Share | Holdings: | Net Assets |
|-----------|---------|---|------------|
| Since | Amount | 594 Total Stocks - 1 Total Fixed-Income, 18% Turnover Ratio | % |
| 08-2020 | 3 mil | Immunomedics Inc | 0.97 |
| | 3 mil | Horizon Therapeutics PLC | 0.93 |
| | 979,811 | Insulet Corp | 0.85 |
| | 2 mil | Etey Inc | 0.79 |
| | 2 mil | Catalent Inc | 0.76 |
| | 796,348 | Zebra Technologies Corp | 0.74 |
| | 2 mil | Teradyne Inc | 0.72 |
| | 567,912 | Pool Corp | 0.70 |
| | 645,711 | HubSpot Inc | 0.69 |
| | 636,537 | Monolithic Power Systems Inc | 0.65 |
| | 2 mil | Zendesks Inc | 0.65 |
| | 410,974 | Fair Isaac Corp | 0.64 |
| | 738,789 | Masimo Corp | 0.64 |
| | 550,188 | Teledyne Technologies Inc | 0.62 |
| | 2 mil | Ceridian HCM Holding Inc | 0.60 |

| Sector Weightings | | Stocks % | Rel Std Index |
|------------------------|--|-------------|---------------|
| Cyclical | | 23.6 | 0.81 |
| Basic Materials | | 2.0 | 0.87 |
| Consumer Cyclical | | 10.7 | 0.94 |
| Financial Services | | 3.2 | 0.25 |
| Real Estate | | 7.8 | 2.96 |
| Sensitive | | 46.6 | 1.01 |
| Communication Services | | 4.4 | 0.39 |
| Energy | | 1.0 | 0.49 |
| Industrials | | 11.6 | 1.32 |
| Technology | | 29.7 | 1.23 |
| Defensive | | 29.7 | 1.20 |
| Consumer Defensive | | 3.5 | 0.47 |
| Healthcare | | 25.8 | 1.83 |
| Utilities | | 0.4 | 0.11 |

©2020 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 2020**
 03-13-2020 159 US Fund Target-Date Tgt Risk TR USD Lifetime Mod 2020 TR USD

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.54 | 0.61 | 2.36 | -6.50 | -4.24 |
| 2019 | 7.82 | 3.21 | 1.19 | 4.46 | 17.63 |
| 2020 | -10.76 | 11.40 | 4.48 | — | 2.64 |
| Trailing Returns | | | | | |
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 5.78 | 5.88 | 6.79 | 7.39 | 6.28 |
| Std 09-30-2020 | 8.51 | — | 7.96 | 7.81 | 6.41 |
| Total Return | 5.78 | 5.88 | 6.79 | 7.39 | 6.28 |
| +/- Std Index | 1.27 | 0.23 | -0.16 | 0.45 | — |
| +/- Cat Index | -0.07 | -0.34 | 0.06 | 0.36 | — |
| % Rank Cat | 45 | 22 | 19 | 15 | — |
| No. in Cat | 186 | 159 | 117 | 78 | — |

| 7-day Yield | | |
|------------------|--------------|------|
| 30-day SEC Yield | 11-03-20 | 1.88 |
| | Subsidized | — |
| | Unsubsidized | 1.87 |

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

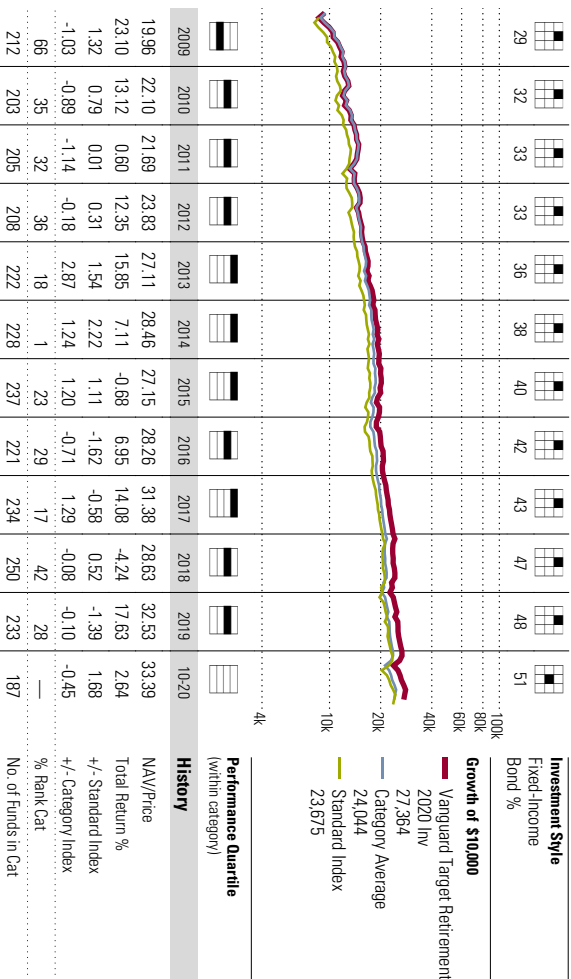
| | 3 Yr | 5 Yr | 10 Yr |
|---------------------|------------|------------|-------------|
| Morningstar Rating™ | 4★ | 4★ | 4★ |
| Morningstar Risk | Avg | Avg | Avg |
| Morningstar Return | +Avg | +Avg | +Avg |
| Standard Deviation | 3 Yr: 9.18 | 5 Yr: 7.73 | 10 Yr: 7.94 |
| Mean | 5.68 | 6.79 | 7.39 |
| Sharpe Ratio | 0.48 | 0.74 | 0.87 |

| MPT Statistics | Standard Index | Best Fit Index Morningstar TR USD | Lifetime Mod 2020 TR USD |
|-------------------------|----------------|-----------------------------------|--------------------------|
| Alpha | 0.65 | 0.64 | 0.64 |
| Beta | 0.87 | 0.78 | 0.78 |
| R-Squared | 99.28 | 99.52 | 99.52 |
| 12-Month Yield | 2.34% | 2.34% | 2.34% |
| Potential Cap Gains Exp | 25.43% | 25.43% | 25.43% |

| Operations | |
|------------|------------------|
| Family: | Vanguard |
| Manager: | Multiple |
| Tenure: | 7.9 Years |
| Objective: | Asset Allocation |

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

| Purchase Constraints: | |
|-----------------------|-----------------|
| Incept: | 06-07-2006 |
| Type: | MF |
| Total Assets: | \$31,030.79 mil |



| Portfolio Analysis 09-30-2020 | | Asset Allocation % | | Net % | | Long % | | Short % | | Share Clng | | Share Holdings | | Net Assets | |
|-------------------------------|--------|--------------------|------|--------|--------|--------|------|---------|------|------------|------|----------------|------|------------|------|
| | | | | | | | | | | | | | | | |
| Cash | 0.33 | 0.44 | 0.10 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| US Stocks | 28.81 | 28.81 | 0.00 | 28.81 | 28.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Non-US Stocks | 20.06 | 20.06 | 0.00 | 20.06 | 20.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Bonds | 50.43 | 50.77 | 0.33 | 50.43 | 50.77 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| Other/Not Clsfd | 0.36 | 0.36 | 0.00 | 0.36 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 100.00 | 100.43 | 0.43 | 100.00 | 100.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |

| Equity Style | | Portfolio Statistics | |
|--------------|--------------|----------------------|-------|
| Value | Small Growth | P/E Ratio TTM | 21.9 |
| Large | Mid | P/C Ratio TTM | 11.6 |
| Mid | Small | P/B Ratio TTM | 2.2 |
| | | Geo Avg Mkt Cap | 54692 |
| | | | 1.42 |
| | | | 0.88 |

| Fixed-Income Style | | Credit Quality Breakdown 08-31-2020 | |
|--------------------|-----|-------------------------------------|-------|
| High | Med | AAA | 58.68 |
| Med | Low | AA | 8.67 |
| | | A | 13.53 |
| | | BBB | 19.13 |
| | | BB | 0.00 |
| | | B | 0.00 |
| | | Below B | 0.00 |
| | | NR | 0.00 |

| Sector Weightings | | Sector Weightings | |
|------------------------|------|-------------------|------|
| Cyclical | 34.5 | Stocks % | 34.5 |
| Basic Materials | 4.7 | Rel Std Index | 0.92 |
| Consumer Cyclical | 12.2 | | 0.94 |
| Financial Services | 14.1 | | 1.17 |
| Real Estate | 3.6 | | 0.96 |
| Sensitive | 41.7 | | 0.49 |
| Communication Services | 9.2 | | 1.21 |
| Energy | 2.8 | | 0.88 |
| Industrials | 10.6 | | 0.91 |
| Technology | 19.1 | | 1.26 |
| Defensive | 23.7 | | 0.96 |
| Consumer Defensive | 7.8 | | 0.90 |
| Healthcare | 12.9 | | 1.06 |
| Utilities | 3.0 | | 0.76 |

©2020 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 **★★★★** **US Fund Target-Date**
 03-13-2020 182 US Fund Target-Date 182 US Fund Target-Date **US Fund Target-Date**
 2025 Tgt Risk TR USD Lifetime Mod 2025 2025 TR USD

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.59 | 0.65 | 2.76 | -7.74 | -5.15 |
| 2019 | 8.82 | 3.35 | 1.10 | 5.22 | 19.63 |
| 2020 | -12.95 | 13.20 | 5.17 | — | 2.17 |
| Trailing Returns | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 5.86 | 5.89 | 7.27 | 7.90 | 6.76 |
| Std 09-30-2020 | 9.04 | — | 8.60 | 8.38 | 6.88 |
| Total Return | 5.86 | 5.89 | 7.27 | 7.90 | 6.76 |
| +/- Std Index | 1.34 | 0.43 | 0.32 | 0.96 | — |
| +/- Cat Index | 0.46 | -0.17 | 0.14 | 0.30 | — |
| % Rank Cat | 44 | 25 | 20 | 16 | — |
| No. in Cat | 214 | 182 | 142 | 87 | — |

7-day Yield — Subsidized
 30-day SEC Yield 11-03-20 1.98 Unsubsidized 1.96

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

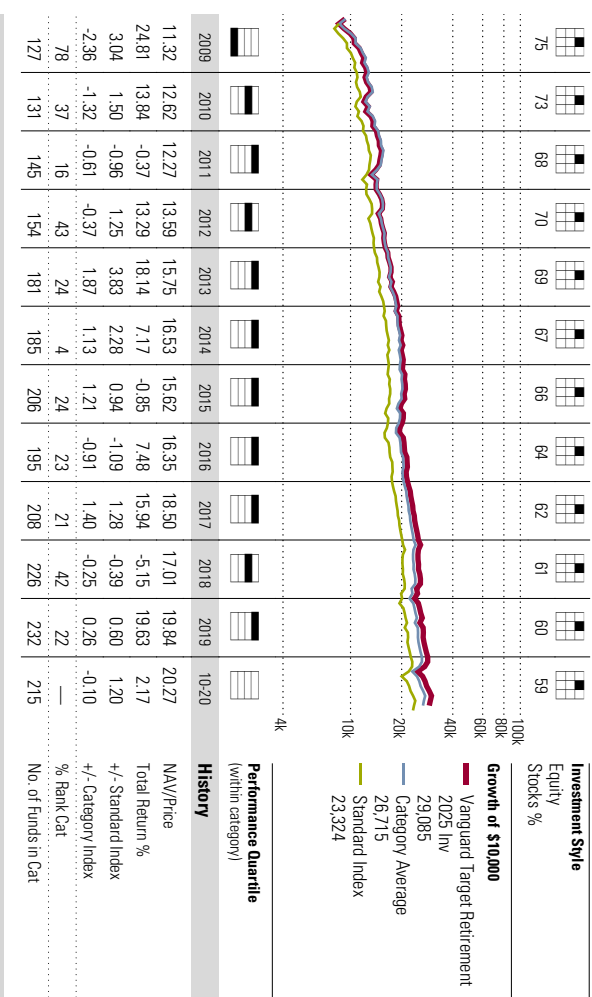
Fund Expenses
 Management Fees % 0.00
 12b1 Expense % NA
Net Expense Ratio % 0.13
Gross Expense Ratio % 0.13

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

Standard Deviation 10.77 9.01 8.96
 Mean 5.89 7.27 7.90
 Sharpe Ratio 0.44 0.70 0.83

| MPT Statistics | Standard Index | Best Fit Index |
|-------------------------|----------------|----------------|
| Alpha | 0.35 | 0.34 |
| Beta | 1.02 | 0.91 |
| R-Squared | 99.56 | 99.58 |
| 12-Month Yield | 2.32% | 2.32% |
| Potential Cap Gains Exp | 27.42% | 27.42% |

Operations
 Family: Vanguard
 Manager: Multiple
 Tenure: 7.8 Years
 Objective: Asset Allocation



Portfolio Analysis 09-30-2020

| Asset Allocation % | Net % | Long % | Short % |
|--------------------|--------|--------|---------|
| Cash | 0.26 | 0.99 | 0.12 |
| US Stocks | 35.35 | 35.35 | 0.00 |
| Non-US Stocks | 24.16 | 24.16 | 0.00 |
| Bonds | 39.89 | 40.21 | 0.31 |
| Other/Not Cstfd | 0.33 | 0.33 | 0.00 |
| Total | 100.00 | 100.43 | 0.43 |

Equity Style

| Value | Brand | Growth | Port | Rel | Index | Rel | Cat |
|-------|-------|--------|------|------|-------|--------|------|
| Large | Med | Ext | 11.6 | 1.09 | 0.98 | 7.00 | 8.77 |
| Mid | Med | Small | 11.6 | 1.12 | 0.95 | 2.60 | 7.00 |
| Small | Small | Small | 2.3 | 1.16 | 0.95 | 110.16 | 2.60 |

Fixed-Income Style

| Value | Brand | Growth | Port | Rel | Index | Rel | Cat |
|-------|-------|--------|------|------|-------|--------|------|
| High | Med | Ext | 8.77 | 7.00 | 0.98 | 2.60 | 8.77 |
| Med | Med | Low | 11.6 | 1.12 | 0.95 | 110.16 | 2.60 |
| Low | Low | Low | 2.3 | 1.16 | 0.95 | 110.16 | 2.60 |

Credit Quality Breakdown 08-31-2020

| AAA | AA | A | BBB | BB | B | Below B | NR |
|-------|-------|-------|-------|------|------|---------|------|
| 51.13 | 10.23 | 16.00 | 22.64 | 0.00 | 0.00 | 0.00 | 0.00 |

Regional Exposure

| Stocks % | Rel Std Index |
|----------------|---------------|
| Americas | 62.9 |
| Greater Europe | 17.4 |
| Greater Asia | 19.8 |

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

Share Clng

| Share Clng | Share | Holdings | NAV/Price | Total Return % | +/- Standard Index | +/- Category Index | % Rank Cat | No. of Funds in Cat |
|------------|-------------------------------------|--------------------|-----------|----------------|--------------------|--------------------|------------|---------------------|
| 08-2020 | Amount | 11% Turnover Ratio | 18.50 | -5.15 | -0.39 | -0.25 | 22 | 215 |
| 196 mil | Vanguard Total Stock Mkt Idx Inv | | 17.01 | 19.84 | 2.17 | 0.10 | — | — |
| 1,114 mil | Vanguard Total Bond Market II Idx | | 15.94 | 19.63 | 1.20 | 0.26 | — | — |
| 657 mil | Vanguard Total Intl Stock Index Inv | | 1.28 | 0.60 | -0.10 | — | — | — |
| 474 mil | Vanguard Total Intl Bnd Investor | | 1.40 | 0.26 | -0.10 | — | — | — |
| 9 mil | Vanguard Shrt-Term Intl-Prot Sec I | | 0.25 | 0.26 | -0.10 | — | — | — |

Sector Weightings

| Sector | Stocks % | Rel Std Index |
|------------------------|----------|---------------|
| Cyclical | 34.5 | 0.92 |
| Basic Materials | 4.6 | 0.94 |
| Consumer Cyclical | 12.2 | 1.17 |
| Financial Services | 14.1 | 0.96 |
| Real Estate | 3.6 | 0.49 |
| Sensitive | 41.8 | 1.11 |
| Communication Services | 9.2 | 1.21 |
| Energy | 2.8 | 0.88 |
| Industrials | 10.6 | 0.91 |
| Technology | 19.2 | 1.26 |
| Defensive | 23.7 | 0.96 |
| Consumer Defensive | 7.8 | 0.90 |
| Healthcare | 13.0 | 1.06 |
| Utilities | 3.0 | 0.76 |

Purchase Constraints: —
Incept: 10-27-2003
Type: MF
Total Assets: \$45,336.86 mil

©2020 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 2030 Inv (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat
Silver **★★★★** **US Fund Target-Date**
 03-13-2020 192 US Fund Target-Date Tgt Risk TR USD Lifetime Mod 2030 2030 TR USD

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.56 | 0.78 | 3.09 | -8.86 | -5.86 |
| 2019 | 9.54 | 3.41 | 0.89 | 5.95 | 21.07 |
| 2020 | -14.76 | 14.58 | 5.70 | — | 1.67 |
| Trailing Returns | | | | | |
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 5.83 | 5.95 | 7.61 | 8.33 | 6.62 |
| Std 09-30-2020 | 9.38 | — | 9.07 | 8.94 | 6.77 |
| Total Return | 5.83 | 5.95 | 7.61 | 8.33 | 6.62 |
| +/- Std Index | 1.31 | 0.49 | 0.66 | 1.39 | — |
| +/- Cat Index | 1.36 | 0.09 | 0.15 | 0.26 | — |
| % Rank Cat | | | | | |
| | 41 | 25 | 28 | 21 | — |
| No. in Cat | | | | | |
| | 224 | 192 | 149 | 89 | — |

| 7-day Yield | |
|---------------------------|------|
| 30-day SEC Yield 11-03-20 | 2.04 |
| 2.00 | 2.00 |

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 | NA |
|-------------------------|-----------|
| Front-End Load % | NA |
| Deferred Load % | NA |

| Fund Expenses | 0.00 |
|-------------------|------|
| Management Fees % | 0.00 |
| 12b1 Expense % | NA |

| Net Expense Ratio % | 0.14 |
|------------------------------|-------------|
| Gross Expense Ratio % | 0.14 |

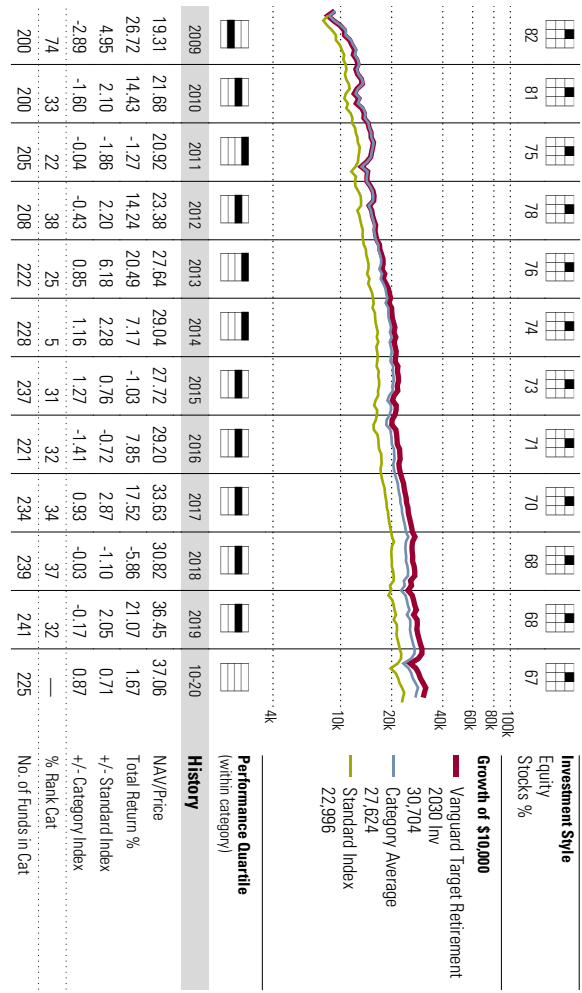
| Risk and Return Profile | | | | | |
|-------------------------|------|------|-------|-----------|-----------|
| Morningstar Rating™ | 3 Yr | 5 Yr | 10 Yr | 192 funds | 149 funds |
| | 4★ | 4★ | 4★ | Avg | Avg |
| Morningstar Risk | Avg | Avg | Avg | Avg | Avg |
| Morningstar Return | +Avg | +Avg | +Avg | +Avg | +Avg |

| Standard Deviation | 3 Yr | 5 Yr | 10 Yr |
|--------------------|-------|-------|-------|
| Mean | 12.04 | 10.06 | 9.97 |
| Sharpe Ratio | 5.95 | 7.61 | 8.33 |
| | 0.41 | 0.66 | 0.79 |

| MPT Statistics | Standard Index | Best Fit Index |
|----------------|----------------|-----------------|
| Alpha | 0.03 | Morningstar Mod |
| Beta | 1.14 | Tgt Risk TR USD |
| R-Squared | 99.59 | 0.03 |

| 12-Month Yield | 2.34% |
|-------------------------|--------|
| Potential Cap Gains Exp | 26.53% |

| Operations | |
|------------|------------------|
| Family: | Vanguard |
| Manager: | Multiple |
| Tenure: | 7.8 Years |
| Objective: | Asset Allocation |



| Portfolio Analysis 09-30-2020 | | | | | |
|-------------------------------|--------|--------|-------|---------|------|
| Asset Allocation % | | | | | |
| Cash | 0.20 | Long % | 0.33 | Short % | 0.14 |
| US Stocks | 40.31 | 40.31 | 40.31 | 0.00 | 0.00 |
| Non-US Stocks | 27.16 | 27.16 | 0.00 | 0.00 | 0.00 |
| Bonds | 32.05 | 32.30 | 0.25 | 0.25 | 0.00 |
| Other/Not Cstfd | 0.28 | 0.28 | 0.28 | 0.00 | 0.00 |
| Total | 100.00 | 100.39 | 0.39 | | |

| Equity Style | | Portfolio Statistics | |
|--------------|--------------|----------------------|-------|
| Value | Small Growth | P/E Ratio TTM | 21.9 |
| Large | Mid | P/C Ratio TTM | 11.6 |
| Mid | Small | P/B Ratio TTM | 2.3 |
| | | Geo Avg Mkt Cap | 55275 |
| | | | 1.43 |
| | | | 0.89 |

| Fixed-Income Style | | Credit Quality Breakdown 08-31-2020 | |
|--------------------|------|-------------------------------------|--------|
| High | Med | Avg Eff Maturity | 8.84 |
| Low | High | Avg Eff Duration | 7.06 |
| | | Avg Wtd Coupon | 2.63 |
| | | Avg Wtd Price | 110.08 |

| Sector Weightings | | Sector % | |
|------------------------|------|--------------------|------|
| Basic Materials | 4.6 | Consumer Defensive | 7.8 |
| Consumer Cyclical | 12.2 | Healthcare | 13.0 |
| Financial Services | 14.1 | Technology | 3.0 |
| Real Estate | 3.6 | Utilities | 0.96 |
| Communication Services | 9.2 | Energy | 2.8 |
| Industrials | 10.6 | Consumer Defensive | 13.0 |
| Technology | 19.2 | Healthcare | 1.06 |
| Utilities | 0.96 | Technology | 1.27 |

| Regional Exposure | | Bond % | |
|-------------------|------|---------|-------|
| Americas | 63.2 | AAA | 50.41 |
| Greater Europe | 17.2 | AA | 10.42 |
| Greater Asia | 19.6 | A | 16.23 |
| | | BBB | 22.94 |
| | | BB | 0.00 |
| | | B | 0.00 |
| | | Below B | 0.00 |
| | | NR | 0.00 |

| Base Currency: | | Purchase Constraints: | |
|---------------------------|--------------|-----------------------|-----------------|
| USD | USD | Incept | — |
| VTHR | VTHR | Type: | M/F |
| US92202E8883 | US92202E8883 | Total Assets: | \$41,083.48 mil |
| Minimum Initial Purchase: | \$1,000 | | |

©2020 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 2035 Inv (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat
Silver **★★★★** **179 US Fund Target-Date** **Morningstar Mod** **US Fund Target-Date**
 03-13-2020 **IGT Risk TR USD** **Lifetime Mod 2035 2035**

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.58 | 0.83 | 3.47 | -9.93 | -6.58 |
| 2019 | 10.20 | 3.42 | 0.70 | 6.68 | 22.44 |
| 2020 | -16.52 | 15.90 | 6.29 | — | 1.11 |
| Trailing Returns | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 5.76 | 5.97 | 7.91 | 8.73 | 7.31 |
| Std 09-30-2020 | 9.71 | — | 9.53 | 9.29 | 7.45 |
| Total Return | 5.76 | 5.97 | 7.91 | 8.73 | 7.31 |
| +/- Std Index | 1.24 | 0.51 | 0.96 | 1.79 | — |
| +/- Cat Index | 2.62 | 0.54 | 0.30 | 0.41 | — |
| % Rank Cat | 42 | 32 | 31 | 20 | — |
| No. in Cat | 207 | 179 | 139 | 84 | — |

| | Subsidized | Unsubsidized |
|---------------------------|------------|--------------|
| 7-day Yield | — | — |
| 30-day SEC Yield 11-03-20 | 2.08 | 2.04 |

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 % | 0.14 |
| Gross Expense Ratio % | 0.14 |

Risk and Return Profile

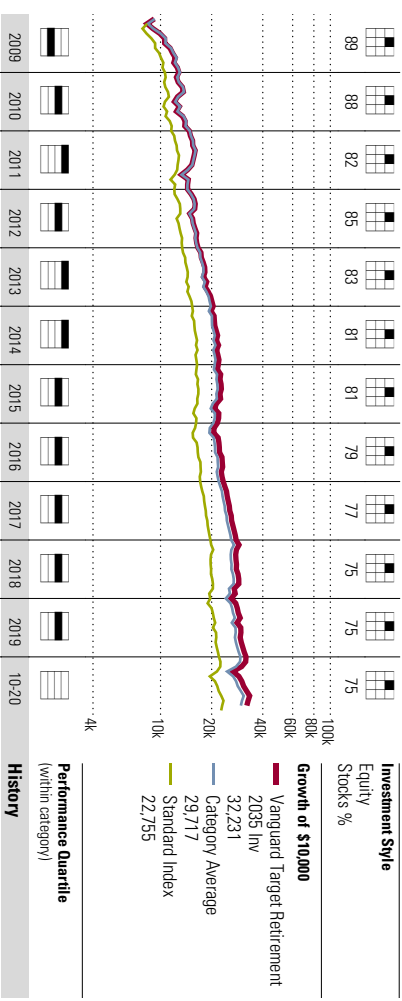
| | | | |
|---------------------|-----------|-----------|----------|
| Morningstar Rating™ | 3 Yr 4★ | 5 Yr 4★ | 10 Yr 4★ |
| Morningstar Risk | 179 funds | 139 funds | 84 funds |
| Morningstar Return | Avg | Avg | Avg |
| | +Avg | +Avg | +Avg |

| | | | |
|--------------------|------------|------------|-------------|
| Standard Deviation | 3 Yr 13.32 | 5 Yr 11.12 | 10 Yr 10.99 |
| Mean | 5.97 | 7.91 | 8.73 |
| Sharpe Ratio | 0.38 | 0.64 | 0.76 |

| MFT Statistics | Standard Index | Best Fit Index Morningstar Mod | Agg Trgt Risk TR |
|----------------|----------------|--------------------------------|------------------|
| Alpha | -0.30 | 0.79 | USD |
| Beta | 1.26 | 0.95 | |
| R-Squared | 99.45 | 99.58 | |

| | |
|-------------------------|--------|
| 12-Month Yield | 2.30% |
| Potential Cap Gains Exp | 30.02% |

| | |
|-------------------|------------------|
| Operations | |
| Family: | Vanguard |
| Manager: | Multiple |
| Tenure: | 7.8 Years |
| Objective: | Asset Allocation |



| Year | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 10-20 | History |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------|
| NAV/Price | 11.62 | 13.09 | 12.51 | 14.09 | 16.98 | 17.84 | 16.84 | 17.74 | 20.69 | 18.82 | 22.52 | 22.77 | NAV/Price |
| Total Return % | 28.17 | 15.14 | -2.24 | 15.16 | 22.82 | 7.24 | -1.26 | 8.26 | 19.12 | -6.58 | 22.44 | 1.11 | Total Return % |
| +/- Standard Index | 6.40 | 2.81 | -2.63 | 3.12 | 8.52 | 2.35 | 0.53 | -0.31 | 4.46 | -1.82 | 3.41 | 0.14 | +/- Standard Index |
| +/- Category Index | -2.90 | -1.39 | 0.04 | -0.20 | 0.79 | 1.44 | 1.32 | -1.80 | 0.60 | 0.24 | -0.60 | 2.23 | +/- Category Index |
| % Rank Cat | 64 | 26 | 19 | 40 | 23 | 10 | 37 | 32 | 35 | 32 | 42 | — | % Rank Cat |
| No. of Funds in Cat | 121 | 125 | 139 | 154 | 181 | 185 | 205 | 195 | 208 | 221 | 229 | 208 | No. of Funds in Cat |

| Portfolio Analysis 09-30-2020 | | Net % | Long % | Short % | Share Clng | Share Holdings | Net Assets % |
|-------------------------------|--|--------|--------|---------|-------------------|--|---|
| Asset Allocation % | | 0.12 | 0.28 | 0.15 | since 08-2020 | Amount | 10,511 Total Stocks, 16,422 Total Fixed-Income, |
| Cash | | 44.72 | 44.72 | 0.00 | 7% Turnover Ratio | | |
| US Stocks | | 30.27 | 30.27 | 0.00 | | 216 mil Vanguard Total Stock Mkt Idx Inv | 44.91 |
| Non-US Stocks | | 24.67 | 24.66 | 0.19 | | 716 mil Vanguard Total Int'l Stock Index Inv | 30.06 |
| Bonds | | 0.22 | 0.22 | 0.00 | | 605 mil Vanguard Total Bond Market II Idx | 17.48 |
| Other/Not Clsfd | | 100.00 | 100.35 | 0.35 | | 259 mil Vanguard Total Intl Bd Idx Investor | 7.55 |

| Equity Style | Value | Brand | Growth | Portfolio Statistics | P/E Ratio TTM | P/B Ratio TTM | Geo Avg Mkt Cap | Rel Index | Rel Cat |
|--------------|-------|-------|--------|----------------------|---------------|---------------|-----------------|-----------|---------|
| | Large | Med | Small | Avg Eff Maturity | 21.9 | 1.09 | 0.98 | 8.84 | 0.98 |
| | | | | Avg Eff Duration | 11.6 | 1.12 | 0.96 | 7.05 | 0.98 |
| | | | | Avg Wtd Coupon | 2.3 | 1.16 | 0.96 | 2.63 | 0.96 |
| | | | | Geo Avg Mkt Cap | 55192 | 1.43 | 0.90 | 110.07 | 0.96 |

| Fixed-Income Style | Ltd | Med | Ext | Avg Eff Maturity <th>Bond %</th> | Bond % |
|--------------------|-----|-----|-----|----------------------------------|--------|
| | | | | 8.84 | 50.46 |
| | | | | 7.05 | 10.39 |
| | | | | 2.63 | 16.22 |
| | | | | 110.07 | |

| Credit Quality Breakdown 08-31-2020 | AAA | AA | A | BBB | BB | B | Below B | NR | Bond % |
|-------------------------------------|-----|----|---|-----|----|---|---------|----|--------|
| | | | | | | | | | 50.46 |
| | | | | | | | | | 10.39 |
| | | | | | | | | | 16.22 |
| | | | | | | | | | 22.93 |
| | | | | | | | | | 0.00 |
| | | | | | | | | | 0.00 |

| Regional Exposure | Stocks % | Rel Std Index |
|-------------------|----------|---------------|
| Americas | 63.1 | 1.02 |
| Greater Europe | 17.3 | 1.02 |
| Greater Asia | 19.6 | 0.93 |

| | | | |
|---------------------------|--------------|-----------------------|-----------------|
| Base Currency: | USD | Purchase Constraints: | — |
| Ticker: | VTHHX | Incept: | 10-27-2003 |
| ISIN: | US92202E9087 | Type: | MF |
| Minimum Initial Purchase: | \$1,000 | Total Assets: | \$39,452,44 mil |

©2020 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 2040 Inv (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat
Silver **★★★★** **192 US Fund Target-Date** **192 US Fund Target-Date** **US Fund Target-Date**
 03-13-2020 **192 US Fund Target-Date** **Tgt Risk TR USD** **Lifetime Mod 2040 2040** **TR USD**

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.53 | 0.90 | 3.79 | -11.03 | -7.32 |
| 2019 | 10.96 | 3.46 | 0.49 | 7.38 | 23.86 |
| 2020 | -18.25 | 17.29 | 6.80 | — | 0.54 |
| Trailing Returns | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 5.66 | 5.96 | 8.21 | 9.00 | 6.95 |
| Std 09-30-2020 | 9.96 | — | 9.97 | 9.58 | 7.13 |
| Total Return | 5.66 | 5.96 | 8.21 | 9.00 | 6.95 |
| +/- Std Index | 1.14 | 0.51 | 1.26 | 2.06 | — |
| +/- Cat Index | 3.68 | 1.00 | 0.61 | 0.66 | — |
| % Rank Cat | 40 | 29 | 29 | 22 | — |
| No. in Cat | 218 | 192 | 149 | 89 | — |

| 7-day Yield | Subsidized | Unsubsidized |
|---------------------------|------------|--------------|
| 30-day SEC Yield 11-03-20 | 2.14 | 2.09 |

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

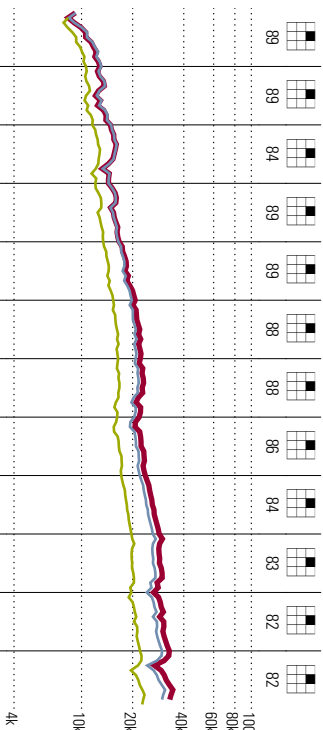
| | |
|------------------------------|-------------|
| Management Fees % | 0.00 |
| 12b1 Expense % | NA |
| Net Expense Ratio % | 0.14 |
| Gross Expense Ratio % | 0.14 |

Risk and Return Profile

| | 3 Yr | 5 Yr | 10 Yr |
|---------------------|-------|-------|-------|
| Morningstar Rating™ | 4★ | 4★ | 4★ |
| Morningstar Risk | Avg | Avg | Avg |
| Morningstar Return | +Avg | +Avg | +Avg |
| Standard Deviation | 14.59 | 12.17 | 11.76 |
| Mean | 5.96 | 8.21 | 9.00 |
| Sharpe Ratio | 0.36 | 0.61 | 0.74 |

| MPT Statistics | Standard Index | Best Fit Index |
|-------------------------|----------------|----------------|
| Alpha | -0.64 | 0.56 |
| Beta | 1.38 | 1.04 |
| R-Squared | 99.26 | 99.63 |
| 12-Month Yield | 2.27% | 2.27% |
| Potential Cap Gains Exp | 28.31% | 28.31% |

| Operations | Vanguard |
|------------|------------------|
| Family: | Multiple |
| Manager: | 7.8 Years |
| Tenure: | Asset Allocation |
| Objective: | |



| Year | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 10-20 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| NAV/Price | 19.05 | 21.50 | 20.50 | 23.18 | 28.32 | 29.76 | 28.45 | 30.21 | 35.77 | 32.31 | 39.13 | 39.34 |
| Total Return % | 29.32 | 15.17 | -2.55 | 15.56 | 24.37 | 7.15 | -1.59 | 8.73 | 20.71 | -7.32 | 23.86 | 0.54 |
| +/- Standard Index | 6.55 | 2.84 | -3.14 | 3.52 | 10.07 | 2.26 | 0.21 | 0.16 | 6.05 | -2.57 | 4.83 | -0.43 |
| +/- Category Index | -3.49 | -1.54 | 0.30 | -0.15 | 1.32 | 1.63 | 1.25 | -1.88 | 0.84 | 0.33 | -0.49 | 3.29 |
| % Rank Cat | 77 | 35 | 19 | 31 | 15 | 12 | 43 | 27 | 25 | 37 | 43 | — |
| No. of Funds in Cat | 193 | 194 | 202 | 204 | 218 | 227 | 237 | 221 | 234 | 239 | 241 | 219 |

| Investment Style | Equity | Stocks % |
|----------------------------|--------|----------|
| Vanguard Target Retirement | — | — |
| 2040 Inv | — | — |
| Category Average | 33.063 | — |
| Standard Index | 29.780 | — |
| Standard Index | 22.771 | — |

| Performance Quartile (within category) | History |
|--|---------|
| NAV/Price | 39.34 |
| Total Return % | 0.54 |
| +/- Standard Index | -0.43 |
| +/- Category Index | 3.29 |
| % Rank Cat | — |
| No. of Funds in Cat | 219 |

Portfolio Analysis 09-30-2020

| Asset Allocation % | Net % | Long % | Short % |
|--------------------|--------|--------|---------|
| Cash | 0.05 | 0.22 | 0.17 |
| US Stocks | 49.46 | 49.46 | 0.00 |
| Non-US Stocks | 33.05 | 33.05 | 0.00 |
| Bonds | 17.28 | 17.41 | 0.14 |
| Other/Not Cstfd | 0.16 | 0.16 | 0.00 |
| Total | 100.00 | 100.30 | 0.30 |

| Equity Style | Value | Brand | Growth |
|--------------|-------|-------|--------|
| Large | High | Med | Ext |
| Mid | High | Med | Low |
| Small | High | Med | Low |

Fixed-Income Style

| Portfolio Statistics | Avg Eff Maturity | Avg Eff Duration | Avg Wtd Coupon | Geo Avg Mkt Cap |
|----------------------|------------------|------------------|----------------|-----------------|
| P/E Ratio TTM | 22.0 | 1.10 | 0.98 | 11.6 |
| P/C Ratio TTM | 1.16 | 1.12 | 0.97 | 2.3 |
| P/B Ratio TTM | 1.17 | 1.17 | 0.96 | 2.3 |
| Geo Avg Mkt Cap | 55420 | 1.44 | 0.94 | 55420 |

Credit Quality Breakdown 08-31-2020

| Credit Quality | Bond % |
|----------------|--------|
| AAA | 50.47 |
| AA | 10.39 |
| A | 16.21 |
| BBB | 22.93 |
| BB | 0.00 |
| B | 0.00 |
| Below B | 0.00 |
| NR | 0.00 |

| Regional Exposure | Stocks % | Rel Std Index |
|-------------------|----------|---------------|
| Americas | 63.4 | 1.02 |
| Greater Europe | 17.1 | 1.01 |
| Greater Asia | 19.5 | 0.92 |

| Base Currency: | USD |
|---------------------------|--------------|
| Ticker: | VFORX |
| ISIN: | US92202EB701 |
| Minimum Initial Purchase: | \$1,000 |

| Purchase Constraints: | — |
|-----------------------|-----------------|
| Incept: | 06-07-2006 |
| Type: | MF |
| Total Assets: | \$31,373.32 mil |

| Sector Weightings | Stocks % | Rel Std Index |
|------------------------|-------------|---------------|
| Cyclical | 34.4 | 0.92 |
| Basic Materials | 4.6 | 0.93 |
| Consumer Cyclical | 12.2 | 1.17 |
| Financial Services | 14.1 | 0.96 |
| Real Estate | 3.6 | 0.49 |
| Sensitive | 41.8 | 1.11 |
| Communication Services | 9.2 | 1.21 |
| Energy | 2.8 | 0.88 |
| Industrials | 10.6 | 0.90 |
| Technology | 19.2 | 1.27 |
| Defensive | 23.8 | 0.96 |
| Consumer Defensive | 7.8 | 0.90 |
| Healthcare | 13.0 | 1.06 |
| Utilities | 3.0 | 0.76 |

©2020 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 2045 Inv (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat
Silver **★★★★** **US Fund Target-Date**
 03-13-2020 179 US Fund Target-Date 10-27-2003 US Fund Target-Date 2045 2045
 Lifetime Mod 2045 2045
 TR USD TR USD

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.58 | 0.94 | 4.03 | -11.78 | -7.90 |
| 2019 | 11.48 | 3.51 | 0.26 | 8.00 | 24.94 |
| 2020 | -19.88 | 18.70 | 7.36 | — | 0.08 |
| Trailing Returns | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 5.60 | 5.95 | 8.31 | 9.06 | 7.69 |
| Std 09-30-2020 | 10.27 | — | 10.13 | 9.66 | 7.86 |
| Total Return | 5.60 | 5.95 | 8.31 | 9.06 | 7.69 |
| +/- Std Index | 1.09 | 0.49 | 1.36 | 2.12 | — |
| +/- Cat Index | 4.35 | 1.33 | 0.79 | 0.82 | — |
| % Rank Cat | 42 | 30 | 28 | 21 | — |
| No. in Cat | 207 | 179 | 139 | 83 | — |

7-day Yield — Subsidized Unsubsidized
 30-day SEC Yield 11-03-20 2.18 2.12

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

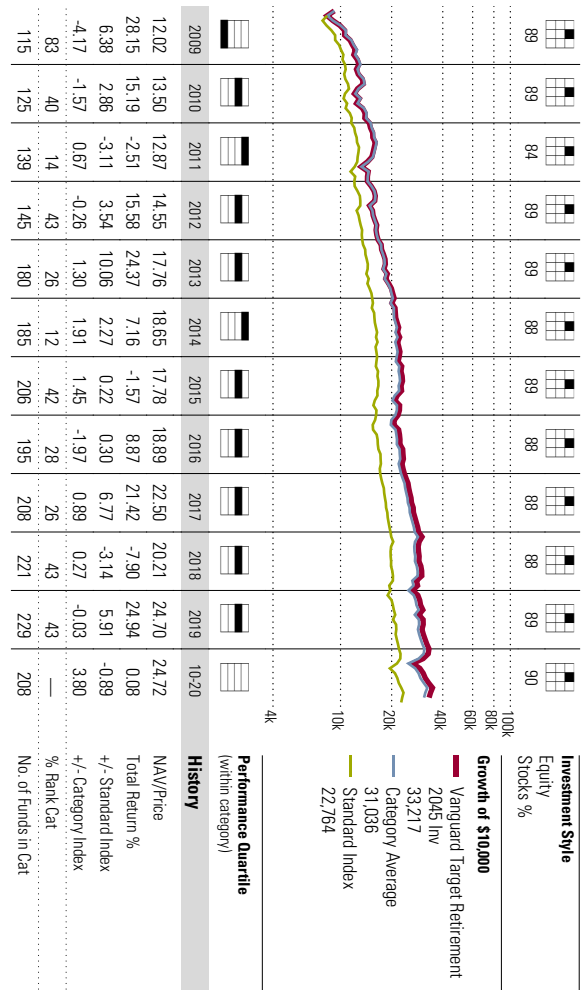
Net Expense Ratio % 0.15
Gross Expense Ratio % 0.15

| 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 | | |

| | 3 Yr | 5 Yr | 10 Yr |
|--------------------|-------|-------|-------|
| Standard Deviation | 15.70 | 13.00 | 12.20 |
| Mean | 5.95 | 8.31 | 9.06 |
| Sharpe Ratio | 0.35 | 0.59 | 0.72 |

| MFT Statistics | Standard Index | Best Fit Index |
|-------------------------|----------------|----------------|
| Alpha | -0.93 | 0.35 |
| Beta | 1.48 | 1.12 |
| R-Squared | 99.12 | 99.62 |
| 12-Month Yield | 2.23% | 2.23% |
| Potential Cap Gains Exp | 29.23% | 29.23% |

| Operations | | | |
|------------|------------------|---------------------------|--------------|
| Family: | Vanguard | Base Currency: | USD |
| Manager: | Multiple | Ticker: | VTIVX |
| Tenure: | 7.8 Years | ISIN: | US92202EB077 |
| Objective: | Asset Allocation | Minimum Initial Purchase: | \$1,000 |



| Portfolio Analysis 09-30-2020 | | | | | | | | | | | | |
|-------------------------------|--------|--------|-------|--------|---------|------------|----------------------|-----------------|--------------|----------------|---------------------|---------------------|
| Asset Allocation % | | | Net % | Long % | Short % | Share Clng | | | | | | NAV/Price |
| Cash | 0.02 | 0.17 | 0.18 | 0.18 | 0.18 | 08-2020 | Amount | 10,574 | Total Stocks | 14,452 | Total Fixed-Income, | Total Return % |
| US Stocks | 54.22 | 54.22 | 0.00 | 0.00 | 0.00 | 196 mil | Vanguard Total Stock | Mkt Idx Inv | 4% | Turnover Ratio | 0.08 | |
| Non-US Stocks | 36.39 | 36.39 | 0.00 | 0.00 | 0.00 | 643 mil | Vanguard Total Int | Stock Index Inv | | | +/- Standard Index | |
| Bonds | 9.31 | 9.38 | 0.07 | 0.07 | 0.07 | 164 mil | Vanguard Total Bond | Market II Idx | | | +/- Category Index | |
| Other/Not Clsfd | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 79 mil | Vanguard Total Int | Bd Idx Investor | | | % Rank Cat | |
| Total | 100.00 | 100.25 | 0.25 | 0.25 | 0.25 | 221 | Vanguard Total | 229 | 208 | | | No. of Funds in Cat |

| Equity Style | | | | Portfolio Statistics | | | |
|--------------|-------|-----|-------|----------------------|-------|------|------|
| Value | Small | Mid | Large | P/E Ratio TTM | 21.9 | 1.10 | 0.98 |
| Value | Small | Mid | Large | P/C Ratio TTM | 11.6 | 1.12 | 0.97 |
| Value | Small | Mid | Large | P/B Ratio TTM | 2.3 | 1.17 | 0.97 |
| Value | Small | Mid | Large | Geo Avg Mkt Cap | 55341 | 1.43 | 0.94 |

| Fixed-Income Style | | | | Credit Quality Breakdown 08-31-2020 | | | |
|--------------------|-----|-----|------|-------------------------------------|------|--------|--|
| Lat | Med | Ext | High | Avg Eff Maturity | 8.88 | Bond % | |
| Lat | Med | Ext | High | Avg Eff Duration | 7.10 | | |
| Lat | Med | Ext | High | Avg Wtd Coupon | 2.61 | | |
| Lat | Med | Ext | High | Avg Wtd Price | — | | |

| Sector Weightings | | | |
|-------------------|------------------------|------|---------------|
| 🔄 | Cyclical | 34.4 | Stocks % |
| 🏠 | Basic Materials | 4.6 | Rel Std Index |
| 🏭 | Consumer Cyclical | 12.2 | 0.92 |
| 🏢 | Financial Services | 14.1 | 0.93 |
| 🏡 | Real Estate | 3.6 | 1.17 |
| 📡 | Sensitive | 41.8 | 0.88 |
| 📞 | Communication Services | 9.2 | 2.8 |
| ⚡ | Energy | 2.8 | 10.6 |
| 🏭 | Industrials | 10.6 | 0.91 |
| 🖥️ | Technology | 19.2 | 1.27 |
| 🛒 | Defensive | 23.8 | 0.96 |
| 🛡️ | Consumer Defensive | 7.8 | 0.90 |
| 🏥 | Healthcare | 13.0 | 1.06 |
| 🏠 | Utilities | 3.0 | 0.76 |

| Regional Exposure | | | |
|-------------------|------|---------------|------|
| Americas | 63.3 | Stocks % | 1.02 |
| Greater Europe | 17.2 | Rel Std Index | 1.02 |
| Greater Asia | 19.5 | | 0.92 |

| Purchase Constraints: | | | |
|---------------------------|--------------|---------------|-----------------|
| Base Currency: | USD | Incept: | — |
| Ticker: | VTIVX | Type: | 10-27-2003 |
| ISIN: | US92202EB077 | MF | — |
| Minimum Initial Purchase: | \$1,000 | Total Assets: | \$29,290.10 mil |

©2020 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 2050 Inv (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat
Silver **★★★★** **US Fund Target-Date**
 03-13-2020 192 US Fund Target-Date Tgt Risk TR USD Lifetime Mod 2050 2050
 2050 TR USD

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.55 | 0.94 | 4.02 | -11.79 | -7.90 |
| 2019 | 11.50 | 3.47 | 0.29 | 8.01 | 24.98 |
| 2020 | -19.86 | 18.67 | 7.35 | — | 0.08 |
| Trailing Returns | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 5.62 | 5.94 | 8.32 | 9.06 | 7.03 |
| Std 09-30-2020 | 10.26 | — | 10.13 | 9.65 | 7.22 |
| Total Return | 5.62 | 5.94 | 8.32 | 9.06 | 7.03 |
| +/- Std Index | 1.11 | 0.49 | 1.37 | 2.12 | — |
| +/- Cat Index | 4.68 | 1.51 | 0.88 | 0.95 | — |
| % Rank Cat | 40 | 31 | 30 | 23 | — |
| No. in Cat | 218 | 192 | 149 | 79 | — |

| 7-day Yield | Subsidized | Unsubsidized |
|---------------------------|------------|--------------|
| 30-day SEC Yield 11-03-20 | 2.18 | 2.12 |

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 | NA |
|-------------------------|-----------|
| Front-End Load % | NA |
| Deferred Load % | NA |

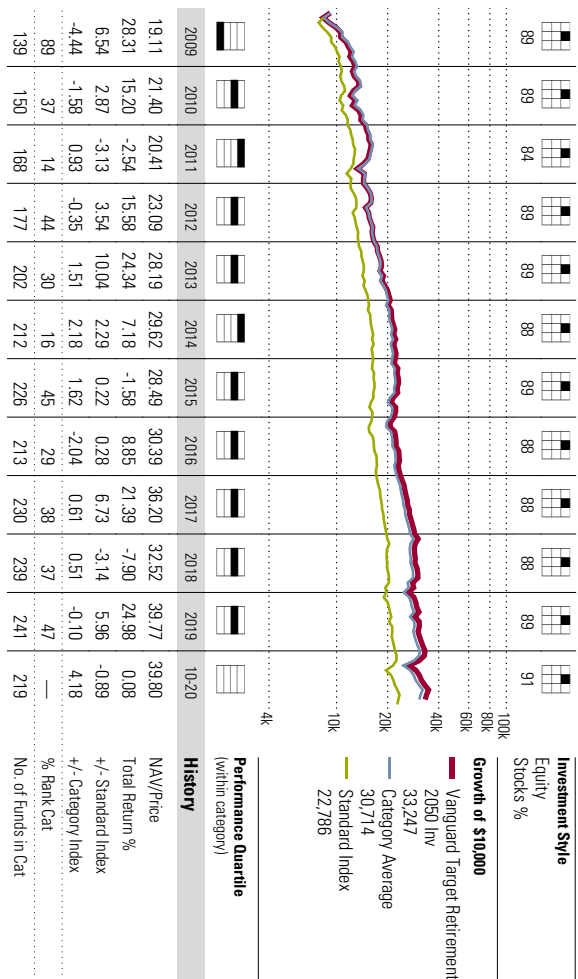
| Fund Expenses | 0.00 |
|------------------------------|-------------|
| Management Fees % | 0.00 |
| 12b1 Expense % | NA |
| Net Expense Ratio % | 0.15 |
| Gross Expense Ratio % | 0.15 |

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

| Standard Deviation | 3 Yr | 5 Yr | 10 Yr |
|--------------------|-------|-------|-------|
| Mean | 15.70 | 13.00 | 12.19 |
| Sharpe Ratio | 5.94 | 8.32 | 9.06 |
| | 0.35 | 0.59 | 0.72 |

| MPT Statistics | Standard Index | Best Fit Index Morningstar Mod | Agg Tgt Risk TR |
|-------------------------|----------------|--------------------------------|-----------------|
| Alpha | -0.94 | 0.34 | USD |
| Beta | 1.48 | 1.12 | |
| R-Squared | 99.11 | 99.62 | |
| 12-Month Yield | 2.20% | 2.20% | |
| Potential Cap Gains Exp | 23.23% | 23.23% | |

| Operations | Vanguard |
|------------|------------------|
| Family: | Multiple |
| Manager: | 7.8 Years |
| Tenure: | Asset Allocation |
| Objective: | |



| Portfolio Analysis 09-30-2020 | | | | | | | | | | |
|-------------------------------|--------|--------|---------|--|---|-----------|----------------|--------------------|--------------------|------------|
| Asset Allocation % | Net % | Long % | Short % | Share Clng | Share Holdings: | NAV/Price | Total Return % | +/- Standard Index | +/- Category Index | % Rank Cat |
| Cash | -0.02 | 0.16 | 0.18 | 08-2020 | Amount | 10,574 | 0.08 | -0.89 | 4.18 | 219 |
| US Stocks | 54.27 | 54.27 | 0.00 | 3% Turnover Ratio | 14,263 Total Fixed-Income, 149 mil Vanguard Total Stock Mkt Idx Inv | 39.80 | 0.08 | 4.18 | 219 | |
| Non-US Stocks | 36.61 | 36.61 | 0.00 | 490 mil Vanguard Total Int Stock Index Inv | 24.98 | 0.08 | -0.89 | 4.18 | 219 | |
| Bonds | 9.04 | 9.11 | 0.07 | 121 mil Vanguard Total Bond Market II Idx | 5.96 | 0.08 | -0.89 | 4.18 | 219 | |
| Other/Not Clsfd | 0.10 | 0.10 | 0.00 | 57 mil Vanguard Total Intl Bd Idx Investor | 4.18 | 0.08 | -0.89 | 4.18 | 219 | |
| Total | 100.00 | 100.25 | 0.25 | | 36.35 | 0.08 | -0.89 | 4.18 | 219 | |

| Equity Style | Value | Share | Growth |
|--------------|-------|-------|--------|
| Large | High | Med | Ext |
| Mid | High | Med | Low |
| Small | High | Med | Low |

| Portfolio Statistics | P/E Ratio TTM | P/C Ratio TTM | P/B Ratio TTM | Geo Avg Mkt Cap |
|----------------------|---------------|---------------|---------------|-----------------|
| Avg Eff Maturity | 21.9 | 1.09 | 0.98 | 55254 |
| Avg Eff Duration | 11.6 | 1.12 | 0.96 | 1.43 |
| Avg Wtd Coupon | 2.3 | 1.17 | 0.97 | |
| Avg Wtd Price | — | — | — | |

| Credit Quality Breakdown 08-31-2020 | Bond % |
|-------------------------------------|--------|
| AAA | 49.55 |
| AA | 10.89 |
| A | 16.46 |
| BBB | 23.10 |
| BB | 0.00 |
| B | 0.00 |
| Below B | 0.00 |
| NR | 0.00 |

| Regional Exposure | Stocks % | Rel Std Index |
|-------------------|----------|---------------|
| Americas | 63.2 | 1.02 |
| Greater Europe | 17.2 | 1.02 |
| Greater Asia | 19.6 | 0.92 |

| Base Currency: | USD |
|---------------------------|--------------|
| Ticker: | VFIKX |
| ISIN: | US92202EB628 |
| Minimum Initial Purchase: | \$1,000 |

| Sector Weightings | Stocks % | Rel Std Index |
|------------------------|-------------|---------------|
| Cyclical | 34.5 | 0.92 |
| Basic Materials | 4.6 | 0.93 |
| Consumer Cyclical | 12.2 | 1.17 |
| Financial Services | 14.1 | 0.96 |
| Real Estate | 3.6 | 0.49 |
| Sensitive | 41.8 | 1.11 |
| Communication Services | 9.2 | 1.21 |
| Energy | 2.8 | 0.88 |
| Industrials | 10.6 | 0.91 |
| Technology | 19.2 | 1.27 |
| Defensive | 23.8 | 0.96 |
| Consumer Defensive | 7.8 | 0.90 |
| Healthcare | 13.0 | 1.06 |
| Utilities | 3.0 | 0.76 |

| Purchase Constraints: | — |
|-----------------------|-----------------|
| Incept: | 06-07-2006 |
| Type: | MF |
| Total Assets: | \$22,272.49 mil |

©2020 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 2055 Inv (USD)

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Category Index Morningstar Cat
Silver **★★★★** **179 US Fund Target-Date** **Morningstar Mod** **US Fund Target-Date**
 03-13-2020 **179 US Fund Target-Date** **Tgt Risk TR USD** **Lifetime Mod 2055 2055**
 2055 **TR USD**

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.56 | 0.95 | 3.99 | -11.76 | -7.89 |
| 2019 | 11.50 | 3.48 | 0.27 | 8.02 | 24.98 |
| 2020 | -19.89 | 18.64 | 7.38 | — | 0.02 |
| Trailing Returns | | | | | |
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 5.57 | 5.94 | 8.30 | 9.08 | 9.77 |
| Std 09-30-2020 | 10.25 | — | 10.12 | 9.68 | 10.08 |
| Total Return | 5.57 | 5.94 | 8.30 | 9.08 | 9.77 |
| +/- Std Index | 1.05 | 0.48 | 1.35 | 2.14 | — |
| +/- Cat Index | 4.75 | 1.61 | 0.91 | 1.09 | — |
| % Rank Cat | 41 | 29 | 34 | 26 | — |
| No. in Cat | 207 | 179 | 136 | 35 | — |

7-day Yield Subsidized Unsubsidized
 30-day SEC Yield 11-03-20 2.18 2.12

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 |

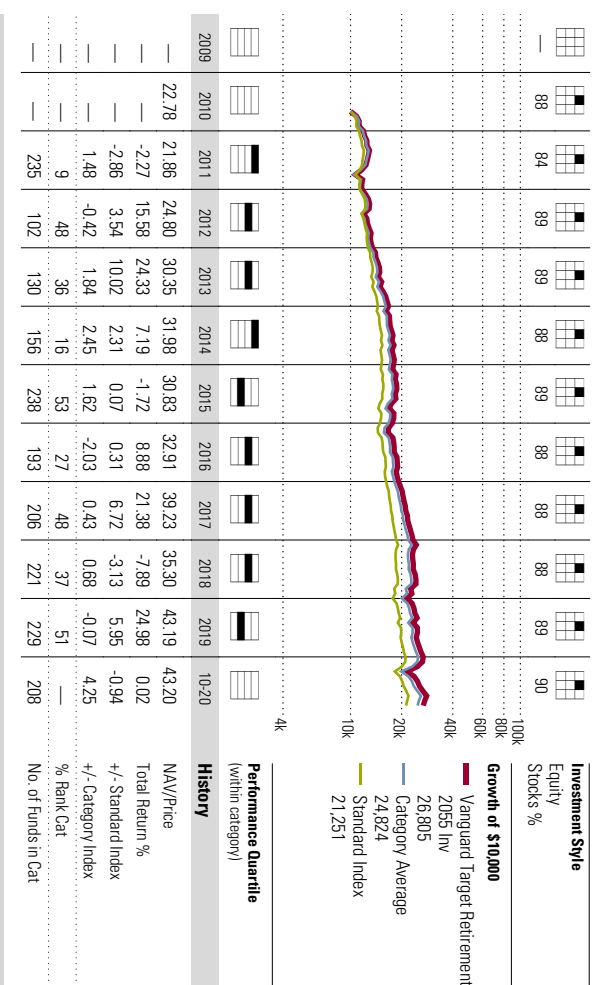
| | |
|------------------------------|-------------|
| Fund Expenses | |
| Management Fees % | 0.00 |
| 12b1 Expense % | NA |
| Net Expense Ratio % | 0.15 |
| Gross Expense Ratio % | 0.15 |

Risk and Return Profile

| | 3 Yr | 5 Yr | 10 Yr |
|---------------------|-------|-------|-------|
| Morningstar Rating™ | 4★ | 4★ | 4★ |
| Morningstar Risk | Avg | -Avg | -Avg |
| Morningstar Return | +Avg | Avg | +Avg |
| Standard Deviation | 15.69 | 12.99 | 12.18 |
| Mean | 5.94 | 8.30 | 9.08 |
| Sharpe Ratio | 0.35 | 0.59 | 0.73 |

| MPT Statistics | Standard Index | Best Fit Index |
|-------------------------|-----------------|-----------------|
| | Morningstar Mod | Agg Tgt Risk TR |
| Alpha | -0.94 | 0.34 |
| Beta | 1.48 | 1.12 |
| R-Squared | 99.14 | 99.64 |
| 12-Month Yield | 2.15% | 14.22% |
| Potential Cap Gains Exp | | |

| | |
|-------------------|------------------|
| Operations | |
| Family: | Vanguard |
| Manager: | Multiple |
| Tenure: | 7.8 Years |
| Objective: | Asset Allocation |



| Portfolio Analysis 09-30-2020 | | | | | | | | | | | |
|-------------------------------|-----------|---------------|--------|--------|---------|------------|---------|--------------------------------------|---------------------|----------------------------|---------------------|
| Asset Allocation % | | | Net % | Long % | Short % | Share Clng | | | | | NAV/Price |
| Cash | US Stocks | Non-US Stocks | 0.02 | 0.16 | 0.18 | since | Amount | Holdings | 10,574 Total Stocks | 14,420 Total Fixed-Income, | Total Return % |
| — | — | — | 54.10 | 54.10 | 0.00 | 08-2020 | 3% | Turnover Ratio | — | — | +/- Standard Index |
| — | — | — | 36.56 | 36.56 | 0.00 | ⊕ | 83 mil | Vanguard Total Stock Mkt Idx Inv | — | — | +/- Category Index |
| — | — | — | 9.25 | 9.33 | 0.07 | ⊕ | 275 mil | Vanguard Total Int Stock Index Inv | — | — | % Rank Cat |
| — | — | — | 0.10 | 0.10 | 0.00 | ⊕ | 71 mil | Vanguard Total Bond Market II Idx | — | — | No. of Funds in Cat |
| — | — | — | 100.00 | 100.25 | 0.25 | ⊕ | 32 mil | Vanguard Total Intl Bnd Idx Investor | — | — | |

| Equity Style | | | Portfolio Statistics | | |
|--------------|-------|--------|----------------------|-------|------|
| Value | Small | Growth | P/E Ratio TTM | 21.9 | 1.09 |
| Large | Mid | Small | P/B Ratio TTM | 11.6 | 1.12 |
| | High | Ext | P/B Ratio TTM | 2.3 | 1.16 |
| | Med | Low | Geo Avg Mkt Cap | 55222 | 1.43 |
| | | | Geo Avg Mkt Cap | 55222 | 1.43 |

| Fixed-Income Style | | | Credit Quality Breakdown 08-31-2020 | | |
|--------------------|------|-----|-------------------------------------|------|--------|
| Lat | Med | Ext | Avg Eff Maturity | 8.86 | Bond % |
| High | Ext | Low | Avg Eff Duration | 7.07 | 50.06 |
| | High | Med | Avg Wtd Coupon | 2.62 | 10.61 |
| | Med | Low | Avg Wtd Price | — | 16.33 |
| | | | | | 50.06 |
| | | | | | 10.61 |
| | | | | | 16.33 |
| | | | | | 23.01 |
| | | | | | 0.00 |
| | | | | | 0.00 |
| | | | | | 0.00 |
| | | | | | 0.00 |

| Regional Exposure | | | Stocks % | Rel Std Index |
|-------------------|------|------|----------|---------------|
| Americas | 63.1 | 1.02 | 1.02 | 1.02 |
| Greater Europe | 17.2 | 1.02 | 1.02 | 1.02 |
| Greater Asia | 19.6 | 0.92 | 0.92 | 0.92 |

| | |
|---------------------------|--------------|
| Base Currency: | USD |
| Ticker: | VFTX |
| ISIN: | US92202EB479 |
| Minimum Initial Purchase: | \$1,000 |

| | |
|-----------------------|-----------------|
| Purchase Constraints: | — |
| Incept: | 08-18-2010 |
| Type: | MF |
| Total Assets: | \$12,518,54 mil |

©2020 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
 03-13-2020 149 US Fund Target-Date Tgt Risk TR USD Lifetime Mod Incm Retirement TR USD

| Performance 10-31-2020 | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| Quarterly Returns | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | Total % |
| 2018 | -0.50 | 0.43 | 1.33 | -3.20 | -1.99 |
| 2019 | 5.50 | 2.97 | 1.52 | 2.60 | 13.16 |
| 2020 | -5.91 | 7.84 | 3.12 | — | 3.77 |
| Trailing Returns | | | | | |
| | 1 Yr | 3 Yr | 5 Yr | 10 Yr | Incept |
| Load-adj Mthly | 5.63 | 5.21 | 5.39 | 5.32 | 5.33 |
| Std 09-30-2020 | 7.35 | — | 6.03 | 5.60 | 5.41 |
| Total Return | 5.63 | 5.21 | 5.39 | 5.32 | 5.33 |
| +/- Std Index | 1.11 | -0.24 | -1.56 | -1.63 | — |
| +/- Cat Index | 0.53 | 0.22 | 0.16 | 0.18 | — |
| % Rank Cat | 28 | 17 | 24 | 22 | — |
| No. in Cat | 175 | 149 | 126 | 90 | — |

| 7-day Yield | |
|---------------------------|------|
| 30-day SEC Yield 11-02-20 | 1.73 |
| Subsidized | — |
| Unsubsidized | 1.73 |

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 |

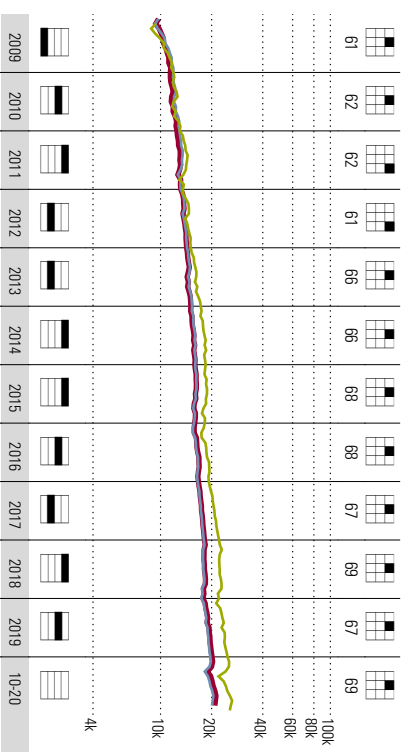
| Fund Expenses | |
|------------------------------|-------------|
| Management Fees % | 0.00 |
| 12b1 Expense % | NA |
| Net Expense Ratio % | 0.12 |
| Gross Expense Ratio % | 0.12 |

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

| Standard Deviation | |
|--------------------|------|
| 3 Yr | 5.78 |
| 5 Yr | 4.83 |
| 10 Yr | 4.47 |
| Mean | 5.21 |
| 5.39 | 5.32 |
| 5.32 | 5.32 |
| Sharpe Ratio | 0.64 |
| 0.87 | 1.05 |

| MPT Statistics | |
|--------------------------|--------------------|
| Standard Index | Best Fit Index |
| Lifetime Mod 2015 TR USD | Morningstar TR USD |
| Alpha | 1.39 |
| Beta | 0.52 |
| 0.53 | 0.71 |
| R-Squared | 94.45 |
| 98.66 | 98.66 |
| 12-Month Yield | 2.06% |
| Potential Cap Gains Exp | 18.10% |

| Operations | |
|------------|------------------|
| Family: | Vanguard |
| Manager: | Multiple |
| Tenure: | 7.8 Years |
| Objective: | Asset Allocation |



| Portfolio Analysis 09-30-2020 | | | | | | | | | | | |
|-------------------------------|--------|--------|--------|---------|---------------|---------|--------------------------------------|--------------------|----------------------------|-------|-----------|
| Asset Allocation % | | Net % | Long % | Short % | Share Clng | | | | | | NAV/Price |
| Cash | 0.47 | 0.53 | 0.06 | 0.06 | since 08-2020 | Amount | Holdings | 10% Turnover Ratio | 17,326 Total Fixed-Income, | 37.42 | |
| US Stocks | 17.54 | 17.54 | 0.00 | 0.00 | | 562 mil | Vanguard Total Bond Market II Idx | | | 17.61 | |
| Non-US Stocks | 12.23 | 12.23 | 0.00 | 0.00 | | 37 mil | Vanguard Total Stock Mkt Idx Inv | | | 17.04 | |
| Bonds | 69.32 | 69.74 | 0.42 | 0.42 | | 116 mil | Vanguard Short-Term Intl-Ptot Sec I | | | 15.78 | |
| Other/Not Clsfd | 0.43 | 0.43 | 0.00 | 0.00 | | 235 mil | Vanguard Total Intl Bnd Idx Investor | | | 12.15 | |
| Total | 100.00 | 100.48 | 0.48 | 0.48 | | 126 mil | Vanguard Total Intl Stock Index Inv | | | | |

| Equity Style | | Portfolio Statistics | | Port | Rel | Rel | Rel |
|--------------|--------------|-----------------------|-------|------|------|----------|---------------|
| Value | Small Growth | P/E Ratio TTM | 21.9 | 1.09 | 0.99 | Stocks % | Rel Std Index |
| Large | Mid Small | P/C Ratio TTM | 11.6 | 1.12 | 0.97 | 34.5 | 0.92 |
| | | P/B Ratio TTM | 2.2 | 1.16 | 1.00 | 4.7 | 0.94 |
| | | Geo Avg Mkt Cap \$mil | 54663 | 1.42 | 0.93 | 12.2 | 1.17 |
| | | | | | | 14.1 | 0.96 |
| | | | | | | 3.6 | 0.49 |

| Fixed-Income Style | | Credit Quality Breakdown 08-31-2020 | | Sector Weightings | |
|--------------------|-----|-------------------------------------|-------|---------------------------|------|
| High | Med | AAA | 62.67 | ⬇️ Cyclical | 34.5 |
| Med | Low | AA | 7.78 | ⬆️ Basic Materials | 4.7 |
| Low | | A | 12.23 | ⬇️ Consumer Cyclical | 12.2 |
| | | BBB | 17.32 | ⬇️ Financial Services | 14.1 |
| | | BB | 0.00 | ⬇️ Real Estate | 3.6 |
| | | B | 0.00 | ⬇️ Sensitive | 41.7 |
| | | Below B | 0.00 | ⬇️ Communication Services | 9.2 |
| | | NR | 0.00 | ⬇️ Energy | 2.8 |
| | | | | ⬇️ Healthcare | 12.9 |
| | | | | ⬇️ Industrials | 10.6 |
| | | | | ⬇️ Technology | 19.1 |
| | | | | ⬇️ Utilities | 3.0 |
| | | | | ⬇️ Defensive | 23.7 |
| | | | | ⬇️ Consumer Defensive | 7.8 |
| | | | | ⬇️ Healthcare | 12.9 |
| | | | | ⬇️ Utilities | 3.0 |

| Regional Exposure | | Stocks % | Rel Std Index |
|-------------------|------|----------|---------------|
| Americas | 62.4 | 1.01 | |
| Greater Europe | 17.6 | 1.04 | |
| Greater Asia | 20.0 | 0.94 | |

| Base Currency: | | USD |
|---------------------------|-----------------|-----|
| Ticker: | VTINX | |
| ISIN: | US92202E1029 | |
| Minimum Initial Purchase: | \$1,000 | |
| Purchase Constraints: | — | |
| Incept: | 10-27-2003 | |
| Type: | MF | |
| Total Assets: | \$17,347.76 mil | |

©2020 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.



Mid Cap Opportunities

The Portfolio is a collective investment fund maintained by Wellington Trust Company, NA (Wellington Trust), and is available for investment only by qualified retirement plans and their plan participants.

INVESTMENT 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.

MANAGEMENT OF THE PORTFOLIO

Wellington Trust is the Portfolio's trustee and investment manager. Wellington Trust is a subsidiary of Wellington Management Group LLP, a Massachusetts limited liability partnership (WMG). Wellington Trust has retained other subsidiaries of WMG, including Wellington Management Company LLP (Wellington Management), to provide investment management and related services to the Portfolio.

Wellington Management Portfolio Manager

Philip Ruedi, CFA

Senior Managing Director, Equity Portfolio Manager
MBA, University of Chicago, 1998
26 years of professional experience

Mark Whitaker, CFA

Senior Managing Director, Equity Portfolio Manager
MBA, Stanford University, 2004
19 years of professional experience

FUND DETAILS

Inception Date Series 3: June 2016

| | |
|-----------------------------------|-----------------|
| Assets* | USD 1.3 billion |
| NAV | USD 16.23 |
| NASDAQ Ticker | MCOSGX |
| Expense Ratio* | 0.56% |
| Acquired Fund Fees and Expenses** | 0.00% |

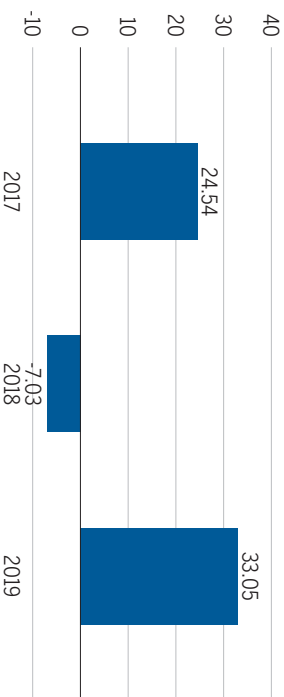
*The expense ratio is as of 08/31/2020, the Portfolio's fiscal year end. Wellington Trust has agreed to waive fees or reimburse expenses so that the Portfolio's direct annual operating expenses do not exceed 0.05% at least through October 31, 2021. At that time, Wellington Trust may choose (at its own discretion) to extend, adjust or discontinue this expense limit. The fee waiver/reimbursement does not apply to operating expenses of other pooled investment vehicles in which the Portfolio invests (acquired funds). Other portfolios with the same or similar strategy as the Portfolio may be subject to certain eligibility requirements, such as account minimums, and reduced fees and expenses as compared to the Portfolio.

**Acquired Fund Fees and Expenses represent the pro rata share of operating expenses of acquired funds. Any acquired fund expenses greater than 0.01% are included in the expense ratios shown above. See the Portfolio Profile for more details about fees and expenses.

*Assets shown above are for the master portfolio, in which the Series portfolio invests all of its assets.

PORTFOLIO PERFORMANCE

Calendar Year Returns (%)



Average Annual Returns (%)

Through September 30, 2020

| | YTD | 3 Mos | 1 Yr | 3 Yrs | Since Inception* |
|------------------------------|-------|-------|-------|-------|------------------|
| CIF II Mid Cap Opportunities | -0.95 | 4.42 | 5.92 | 9.58 | 12.09 |
| S&P MidCap 400 Index** | -8.62 | 4.77 | -2.16 | 2.90 | 6.88 |

*The Portfolio began operations on 06/01/2016.

**See "Other Important Information" for information about index(es).

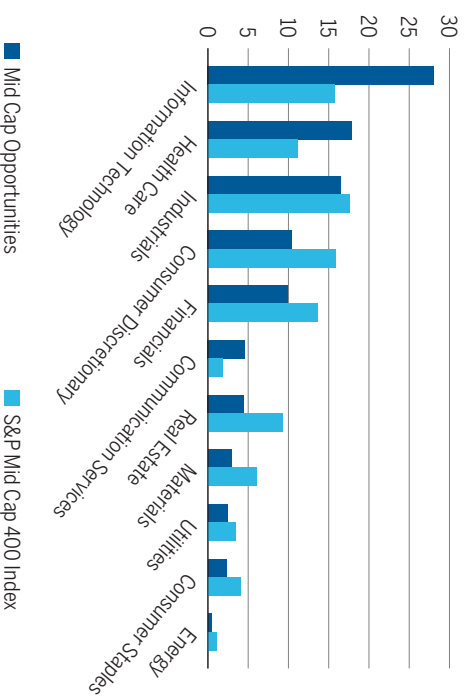
The table above shows the Portfolio's past performance, which is no guarantee of future results. The value of an investment in the Portfolio will vary over time, and you could lose money by investing in the Portfolio. Returns are shown net of the Portfolio's fees and expenses, and include the reinvestment of dividends and capital gains. Portfolio returns also reflect the effect of any fee waiver or expense reimbursement in effect during the period. Index performance does not reflect the deduction of fees or expenses, but does reflect the reinvestment of dividends and capital gains. Returns for periods less than one year are not annualized.

PORTFOLIO CHARACTERISTICS

| Investment Style | Core/Flexible |
|--------------------------------------|-----------------|
| Asset-Weighted Market Capitalization | USD 8.1 billion |
| Beta (3 Yr) | 0.9 |
| Tracking Risk (3 Yr, annualized) | 4.8% |
| Turnover* | 51% |

*Turnover is as of 08/31/2020, the Portfolio's fiscal year end.

SECTOR DISTRIBUTION (%)



TOP 10 HOLDINGS

| Company Name (Country) | Industry | Equities % |
|--------------------------------------|----------------------------------|--------------|
| Geopact (United States) | Software & Services | 2.3% |
| Ingersoll Rand (United States) | Capital Goods | 2.2 |
| II-VI (United States) | Technology Hardware & Equipment | 2.0 |
| NVR (United States) | Consumer Durables & Apparel | 1.9 |
| WEX (United States) | Software & Services | 1.8 |
| IDEX (United States) | Capital Goods | 1.8 |
| Etsy (United States) | Retailing | 1.8 |
| Lennox International (United States) | Capital Goods | 1.7 |
| Lumentum (United States) | Technology Hardware & Equipment | 1.6 |
| Encompass Health (United States) | Health Care Equipment & Services | 1.6 |
| Total of Top 10 | | 18.7% |
| Number of Equity Names | | 101 |

The information in this Quarterly Portfolio Factsheet supplements a more complete description of the Portfolio in its Portfolio Profile. Before investing, please review and consider the important information about the Portfolio's investment strategy, risks, expenses and operations detailed in the Portfolio Profile.

Important Risk Information

There is no guarantee the Portfolio's investment strategy will be successful. Investing involves risk, and an investment in the Portfolio could lose money. The Portfolio's principal risks include:

Common Stock Risk: Common stock are subject to many factors, including economic conditions, government regulations, market sentiment, local and international political events, and environmental and technological issues as well as the profitability and viability of the individual company. Equity security prices may decline as a result of adverse changes in these factors, and there is no assurance that a portfolio manager will be able to predict these changes. Some equity markets are more volatile than others and may present higher risks of loss. Common stock represents an equity or ownership interest in an issuer; **Smaller Capitalization Stock Risk:** The share prices of small and mid-cap companies may exhibit greater volatility than the share prices of larger capitalization companies. In addition, shares of small and mid-cap companies are often less liquid than larger capitalization companies; **Limits on Trading:** Wellington Management retains the right to suspend/limit trading in order to curb abusive trading or in case of market disruption.

Additional Risks

The strategy is also subject to the following risks: Commingled Fund Risk and Manager Risk. Information about these and other investment risks is available from your plan administrator.

Other Important Information:

This document does not constitute an offer to sell or the solicitation of an offer to purchase shares or other securities. The Portfolio is available exclusively to, and the information provided above is designed for, certain qualified retirement plans and their participants and beneficiaries as described under "About Wellington Trust and the Portfolio" within the Portfolio Profile.

The Portfolio is a collective investment fund established within the Wellington Trust Company, NA Multiple Collective Investment Funds Trust II (the "Trust") and is designed for use by employee benefit plans which are exempt from taxation under Section 501(a) of the Internal Revenue Code of 1986, by reason of qualifying under Section 401(a) of the Code. Wellington Trust Company, NA ("Wellington Trust"), a national banking association whose business is to provide investment management, trust and other fiduciary services, serves as trustee of the Trust and manages the strategy's investments. The terms of the Plan and Declaration of Trust are incorporated herein by reference and should be reviewed for a complete statement of its terms and provisions. The Portfolio is not FDIC-insured, may lose value and is not guaranteed by a bank or other financial institution. Neither the Portfolio nor the units representing beneficial interest therein are registered with the Securities and Exchange Commission and thus are not subject to the requirements applied to "mutual funds" or the sale of mutual fund shares under the Investment Company Act of 1940.

Wellington Trust is a subsidiary of Wellington Management Group LLP, a Massachusetts limited liability partnership (WMG). Wellington Trust has retained other subsidiaries of WMG, including Wellington Management Company LLP ("Wellington Management") to provide investment management and administrative services for Wellington Trust, on behalf of the Trust. Wellington Trust has claimed an exclusion from the definition of the term "commodity pool operator" under the Commodity Exchange Act and, therefore, is not subject to registration or regulation as a pool operator under said Act.

Actual performance results of the Portfolio are shown net of all actual ongoing Portfolio expenses, after the effect of any contractual or voluntary expense cap. Returns could have been lower without the cap, (when applicable). Future costs and expenses, and in turn future Portfolio returns, may vary depending on, among other things, redemptions, Portfolio size, and the performance of the Portfolio. Details regarding any expense cap of the Portfolio are available upon request.

Any securities listed are not representative of all securities purchased, sold, or recommended. It should not be assumed that an investment in the securities identified has been or will be profitable.

The Portfolio's performance is compared with that of the index or indexes described below. The securities in the Portfolio may differ significantly from the securities in the index or indexes to which the Portfolio is compared. The Portfolio's performance is compared with following index or indexes:

S&P MidCap 400 Index : The S&P MidCap 400 Index is an unmanaged index consisting of 400 mid-cap US companies, representing all major industries.



City of Santa Clara

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

Agenda Report

20-1152

Agenda Date: 11/19/2020

REPORT TO DEFERRED COMPENSATION COMMITTEE

SUBJECT

Informational Report on Plan Review

DISCUSSION

This is an informational report to the Committee on the City's plan review. This report will be presented by Nationwide and will cover the following topics: a) quarterly plan health report, b) website updates, c) CARES Act, and d) participant education.

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

1. City of Santa Clara Plan Health Report 9-30-20
2. City of Santa Clara Digital Transformation Overview
3. City of Santa Clara Cares Act Summary

PLAN HEALTH REPORT

CITY OF SANTA CLARA

as of 09/30/2020



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.



Quick plan facts

(as of 09/30/2020)

| Metric | Current value | %Change from last quarter | %Change from last year |
|---------------------------------|---------------|---------------------------|------------------------|
| Participant Core Assets | \$183,689,393 | 5.00% | 11.00% |
| Total Participant Count | 1,312 | 0.23% | 3.72% |
| Total New Enrollments YTD Count | 51 | 18.60% | -57.85% |
| Total Deferrals YTD | \$8,462,093 | 46.00% | 17.00% |
| Total Rollovers-In YTD | \$3,480,145 | 16.00% | 125.00% |
| ProAccount Participant Count | 153 | 6.99% | 51.49% |
| ProAccount Assets | \$14,117,953 | 26.00% | 136.00% |

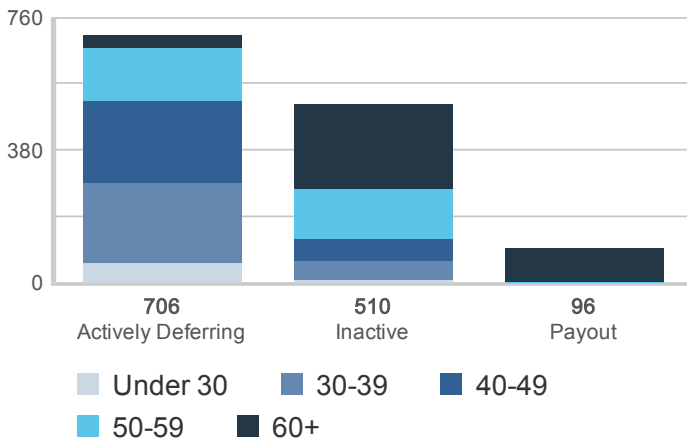
457 Plan Summary

\$ TOTAL PARTICIPANT ACCOUNT BALANCE
(as of 09/30/2020)
\$192,511,498



How many are participating?

ENROLLED PARTICIPANTS
(as of 09/30/2020)
1,312



NEW ENROLLMENTS
(Calendar year to date)
51

How are they saving & investing?

WHAT YOUR PARTICIPANTS ARE CONTRIBUTING
(as of 09/30/2020)

AVERAGE ACCOUNT BALANCE
\$141,347



AVERAGE CONTRIBUTION
\$367



How many participants are prepared for retirement

Online engagement
(as of 09/30/2020)

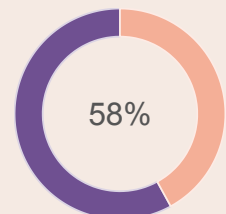
TOTAL ENROLLED PARTICIPANTS
1,312

ENROLLED PARTICIPANTS WITH AN ONLINE ACCOUNT
926

Retirement readiness
(as of 09/30/2020)

PARTICIPANTS WITH A RETIREMENT GOAL
355

PARTICIPANTS 'ON TRACK' FOR RETIREMENT



PARTICIPANT DEMOGRAPHICS

How participants are engaged in the plan



ENROLLED PARTICIPANTS ¹
(as of 09/30/2020)

1,312



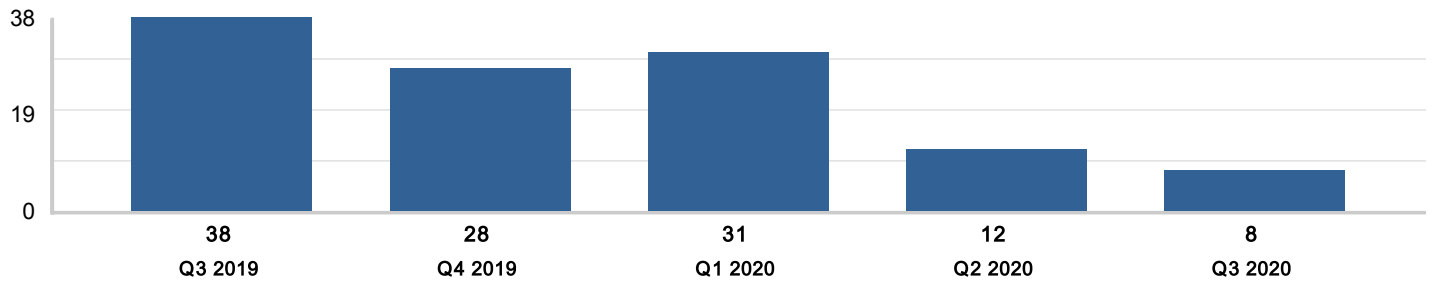
NEW ENROLLMENTS ²
(Calendar year to date)

51

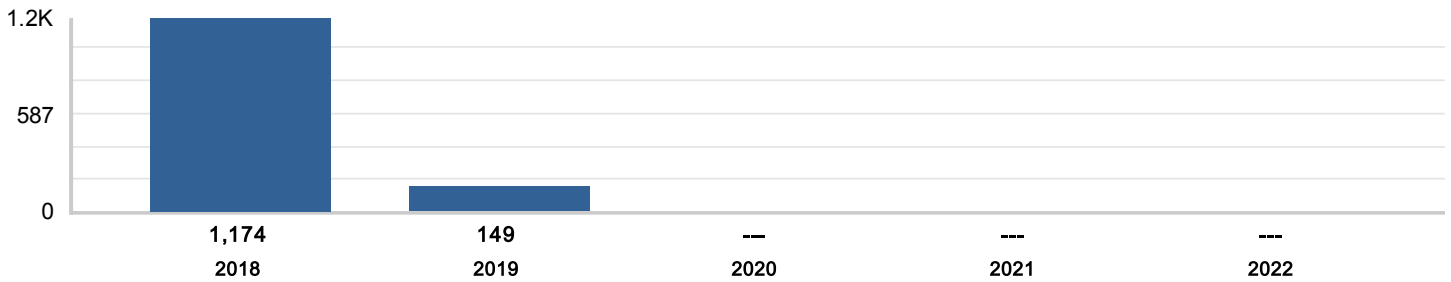
ONLINE ENROLLMENTS ³
(Calendar year to date)

30 out of 51

ENROLLMENT TRENDS (BY QUARTER) ⁴



ENROLLMENT TRENDS (BY YEAR) ⁴



¹ Total number of enrolled participants in this plan.

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

³ The number of online enrollments out of new enrollments.

⁴ Total number of participants enrolled by quarter or by year.

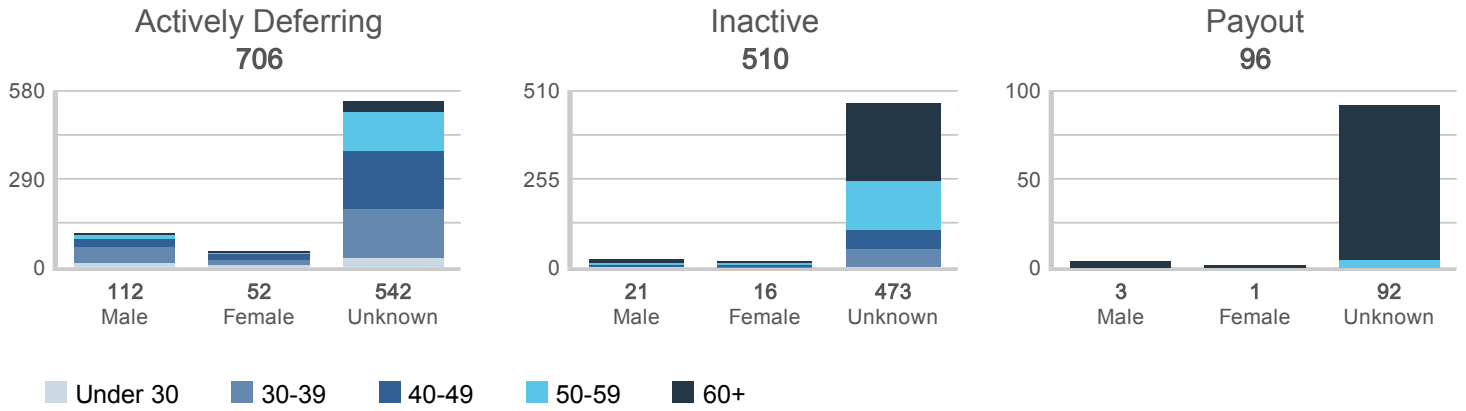
PARTICIPANT DEMOGRAPHICS

How participants are engaged in the plan



Enrolled participant data⁵

(as of 09/30/2020)



| | Actively Deferring 706 | | | Inactive 510 | | | Payout 96 | | |
|----------|---------------------------|--------|---------|-----------------|--------|---------|--------------|--------|---------|
| | Male | Female | Unknown | Male | Female | Unknown | Male | Female | Unknown |
| Under 30 | 16 | 7 | 34 | 1 | 2 | 4 | 0 | 0 | 0 |
| 30 - 39 | 49 | 21 | 157 | 5 | 1 | 49 | 0 | 0 | 0 |
| 40 - 49 | 28 | 18 | 189 | 3 | 4 | 54 | 0 | 0 | 0 |
| 50 - 59 | 16 | 5 | 131 | 2 | 5 | 141 | 0 | 0 | 4 |
| 60+ | 3 | 1 | 31 | 10 | 4 | 225 | 3 | 1 | 88 |

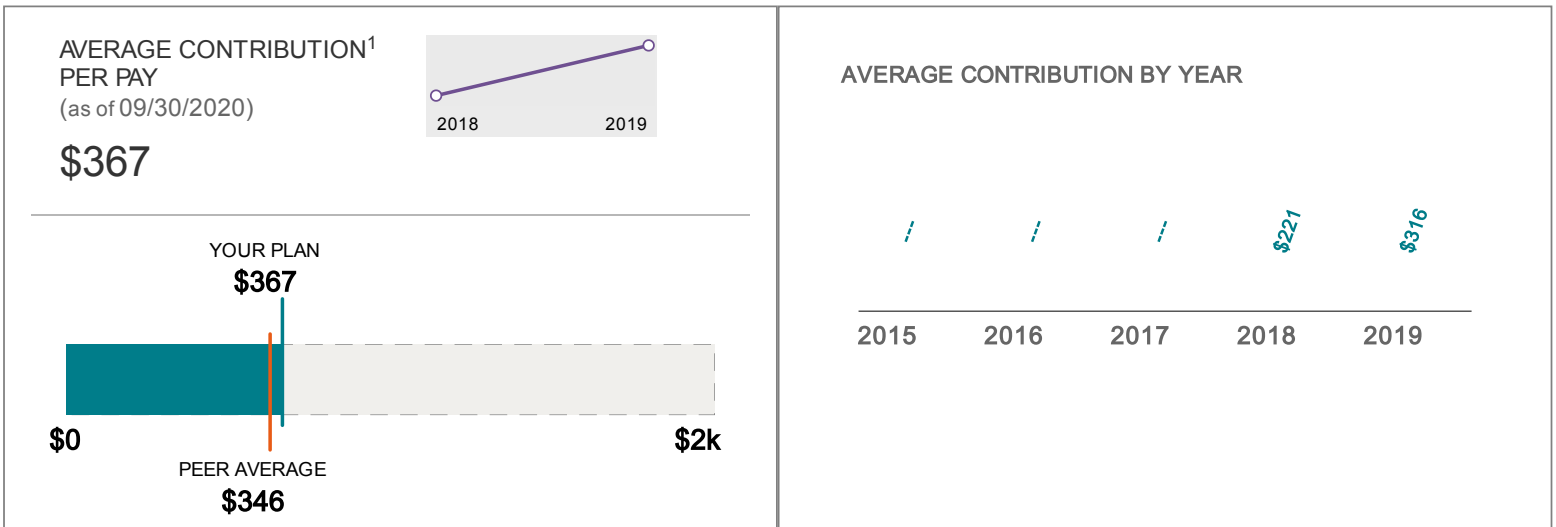
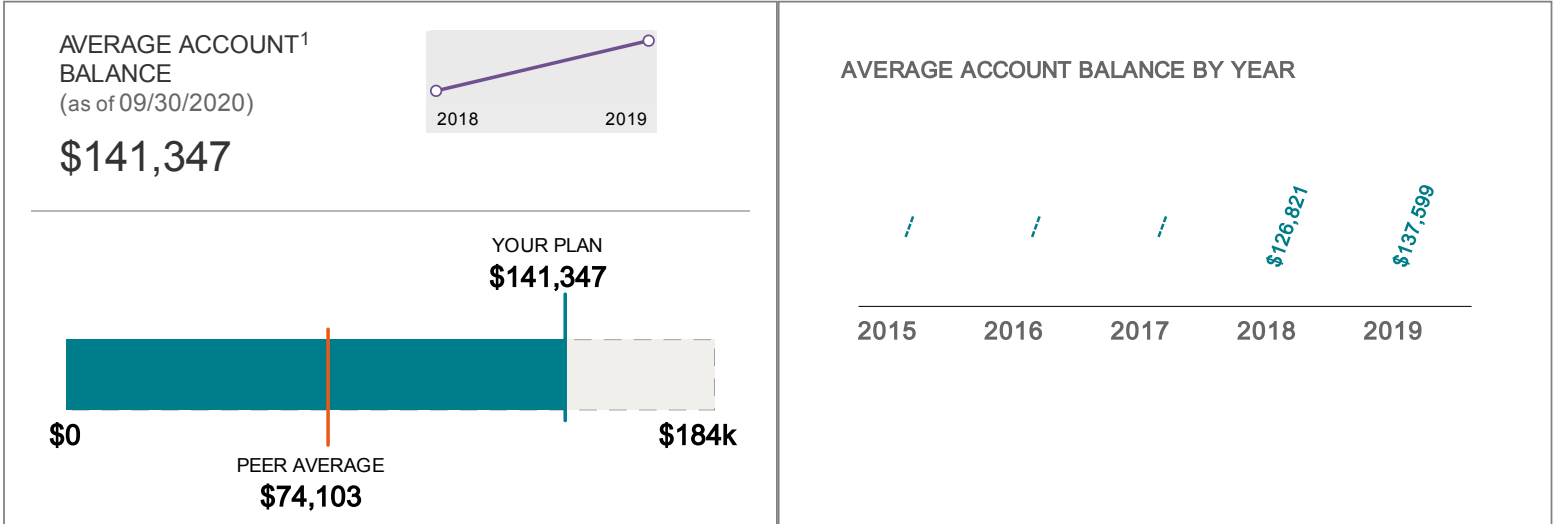
⁵ Actively deferring - Participants with a balance, a contribution in the past 30 days and a status of employed.

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 09/30/2020)

| | Average account balance | | | Average annualized contributions | | |
|----------|-------------------------|-----------|-----------|----------------------------------|----------|----------|
| | Male | Female | Unknown | Male | Female | Unknown |
| Under 30 | \$9,931 | \$13,581 | \$32,742 | \$7,640 | \$10,891 | \$10,220 |
| 30 - 39 | \$19,842 | \$14,954 | \$77,263 | \$10,705 | \$7,859 | \$10,837 |
| 40 - 49 | \$47,182 | \$41,475 | \$136,095 | \$14,665 | \$9,895 | \$10,409 |
| 50 - 59 | \$135,894 | \$127,157 | \$199,043 | \$12,848 | \$29,436 | \$13,849 |
| 60+ | \$164,803 | \$131,076 | \$200,964 | \$8,140 | \$47,190 | \$2,933 |

¹A 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

5% PARTICIPANTS WITH INCREASED CONTRIBUTIONS
(Calendar year to date)

3% PARTICIPANTS WITH AUTOMATIC CONTRIBUTION INCREASE
(Calendar year to date)

2020 IRS limits

Regular Limit \$19,500

50+ Catch Up \$6,500

3-Year Catch Up \$19,500

How your participants are invested

ASSET ALLOCATION ¹ (as of 09/30/2020)

NUMBER OF ASSET CLASSES

| | |
|----|-------|
| 1 | 21.4% |
| 2 | 6.6% |
| 3 | 5.3% |
| 4 | 5.8% |
| 5+ | 60.7% |



ASSET DIVERSIFICATION ² (as of 09/30/2020)

AVG. # ASSET CLASSES

4.4

PEER GROUP

4.4

RECOMMENDED

5



ProAccount

(as of 09/30/2020)

TOTAL PROACCOUNT BALANCE

\$14,117,953

PARTICIPANTS WITH PROACCOUNT

153

out of 1,312 total enrolled participants

AVG ACCOUNT BALANCE WITH PROACCOUNT

\$92,274



Schwab Personal Choice Retirement Account

(as of 09/30/2020)

Number of accounts

37

Balance

\$6,965,989

¹ Percentage of participants by number of investment classes.

² 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 09/30/2020)

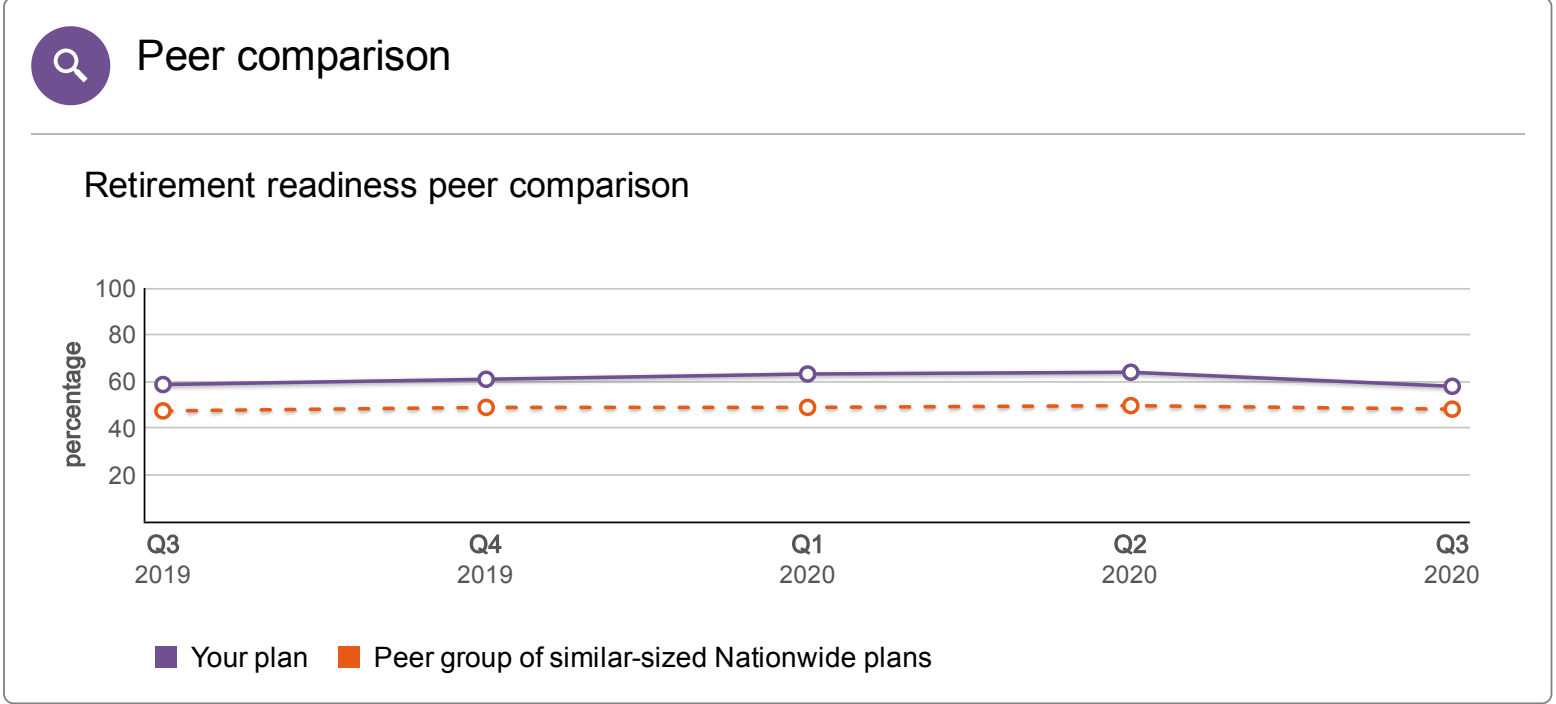
| | |
|---|--|
| <p>TOTAL ENROLLED PARTICIPANTS</p> <p style="font-size: 24px; font-weight: bold;">1,312</p> | <p>ENROLLED PARTICIPANTS WITH AN ONLINE ACCOUNT</p> <p style="font-size: 24px; font-weight: bold;">926</p> |
|---|--|

Retirement readiness

(as of 09/30/2020)

| | |
|--|--|
| <p>PARTICIPANTS WITH A RETIREMENT GOAL ¹</p> <p style="font-size: 24px; font-weight: bold;">355</p> | <p>PARTICIPANTS 'ON TRACK' FOR RETIREMENT ²</p> <div style="text-align: center; margin-top: 20px;"> <p style="font-size: 24px; font-weight: bold;">58%</p> </div> |
|--|--|

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.



NRM-17390AO

¹ Participants with a retirement goal from My Interactive Retirement Planner®.
² 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 | 2018 | 2019 | 2020 YTD | % of total |
|-----------------------|-------------------------|-------------------------|-------------------------|-------------|
| Mid cap | \$10,306,308.98 | \$13,890,427.63 | \$13,355,111.18 | 6.9% |
| Large cap | \$40,395,968.04 | \$47,604,650.58 | \$49,798,103.47 | 25.9% |
| Bonds | \$3,882,872.87 | \$5,850,344.41 | \$7,567,182.16 | 3.9% |
| SDO | \$3,462,327.98 | \$5,115,994.48 | \$6,965,989.36 | 3.6% |
| Loan | \$805,173.42 | \$1,295,991.04 | \$1,856,115.97 | 1.0% |
| Asset allocation | \$25,291,669.11 | \$30,008,815.39 | \$31,340,962.63 | 16.3% |
| International | \$7,861,578.66 | \$11,694,002.69 | \$14,434,955.63 | 7.5% |
| Small cap | \$6,274,056.57 | \$6,991,788.61 | \$6,672,519.02 | 3.5% |
| Fixed assets and cash | \$56,080,748.68 | \$58,372,921.39 | \$60,520,558.52 | 31.4% |
| Total | \$154,360,704.31 | \$180,824,936.22 | \$192,511,497.94 | 100% |

 Total contributions by asset class

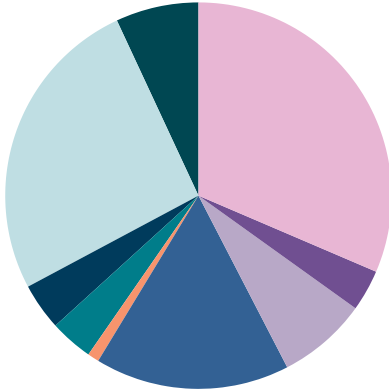
| Asset class | 2018 | 2019 | 2020 YTD | % of total |
|-----------------------|-------------------------|------------------------|------------------------|-------------|
| Mid cap | \$11,619,515.74 | \$919,299.85 | \$755,566.57 | 7.0% |
| Large cap | \$43,054,400.30 | \$2,774,174.27 | \$2,327,303.58 | 21.4% |
| Bonds | \$3,711,905.30 | \$451,277.82 | \$507,395.64 | 4.7% |
| Asset allocation | \$26,037,670.78 | \$3,894,044.79 | \$4,283,768.55 | 39.4% |
| International | \$7,970,665.82 | \$893,203.89 | \$778,062.57 | 7.2% |
| Small cap | \$6,748,356.69 | \$697,826.81 | \$437,351.45 | 4.0% |
| Fixed assets and cash | \$55,457,023.65 | \$2,472,137.00 | \$1,777,532.56 | 16.4% |
| Total | \$154,599,538.28 | \$12,101,964.43 | \$10,866,980.92 | 100% |

2020



Asset allocation

(as of 09/30/2020)



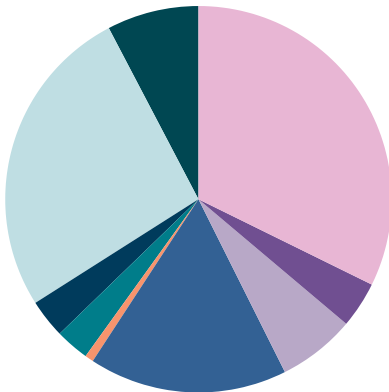
| ASSET CLASS | YOUR PLAN | PEER GROUP | DIFFERENCE |
|-----------------------|-----------|------------|------------|
| Mid cap | 6.9% | 4.8% | 2.2% ● |
| Large cap | 25.9% | 19.8% | 6.1% ● |
| Balanced | 0.0% | 1.6% | 0.0% |
| Bonds | 3.9% | 4.3% | -0.4% ● |
| Short term | 0.0% | 2.2% | 0.0% |
| SDO | 3.6% | 0.1% | 3.6% ● |
| Specialty | 0.0% | 0.5% | 0.0% |
| Loan | 1.0% | 0.0% | 0.9% ● |
| Asset allocation | 16.3% | 13.4% | 2.9% ● |
| International | 7.5% | 5.3% | 2.2% ● |
| Small cap | 3.5% | 2.9% | 0.5% ● |
| Fixed assets and cash | 31.4% | 45.1% | -13.6% ● |

2019



Asset allocation

(as of 12/31/2019)



| ASSET CLASS | YOUR PLAN | PEER GROUP | DIFFERENCE |
|-----------------------|-----------|------------|------------|
| Mid cap | 7.7% | 5.0% | 2.7% ● |
| Large cap | 26.3% | 18.9% | 7.4% ● |
| Balanced | 0.0% | 1.6% | 0.0% |
| Bonds | 3.2% | 4.1% | -0.9% ● |
| Short term | 0.0% | 2.1% | 0.0% |
| SDO | 2.8% | 0.1% | 2.8% ● |
| Specialty | 0.0% | 0.6% | 0.0% |
| Loan | 0.7% | 0.0% | 0.7% ● |
| Asset allocation | 16.6% | 15.0% | 1.6% ● |
| International | 6.5% | 5.5% | 0.9% ● |
| Small cap | 3.9% | 3.2% | 0.6% ● |
| Fixed assets and cash | 32.3% | 43.8% | -11.5% ● |

BALANCE DETAILS



Total account balance

(as of 09/30/2020)

| Money source | Current value |
|--------------------------------|-------------------------|
| Participant assets | \$192,511,497.94 |
| Salary Reduction | \$170,465,429.31 |
| Rollover (Pre-Tax) | \$8,470,198.21 |
| Rollover 457 | \$3,034,323.79 |
| Roth Contribution | \$1,100,959.46 |
| Roth Rollover | \$50,254.36 |
| Roth Rollover 457 | \$9,826.09 |
| Salary Reduction IRR | \$90,305.03 |
| Employer Discretionary Account | \$468,096.36 |
| Loan balance | \$1,856,115.97 |
| SDO balance | \$6,965,989.36 |
| Total plan assets | \$192,511,497.94 |

BALANCE DETAILS



Loan Details

(as of 09/30/2020)

| Loan type | Number of loans | Principal value |
|-------------------------|-----------------|-----------------------|
| Active loans | | |
| General purpose loan | 67 | \$1,664,022.17 |
| Primary residence loan | 6 | \$169,567.82 |
| Defaulted loans* | | |
| General purpose loan | 1 | \$22,525.98 |
| Total | 74 | \$1,856,115.97 |

* Default amounts are included in Beginning and Ending Balance



Contributions and transfers/rollovers-in

(as of 09/30/2020)

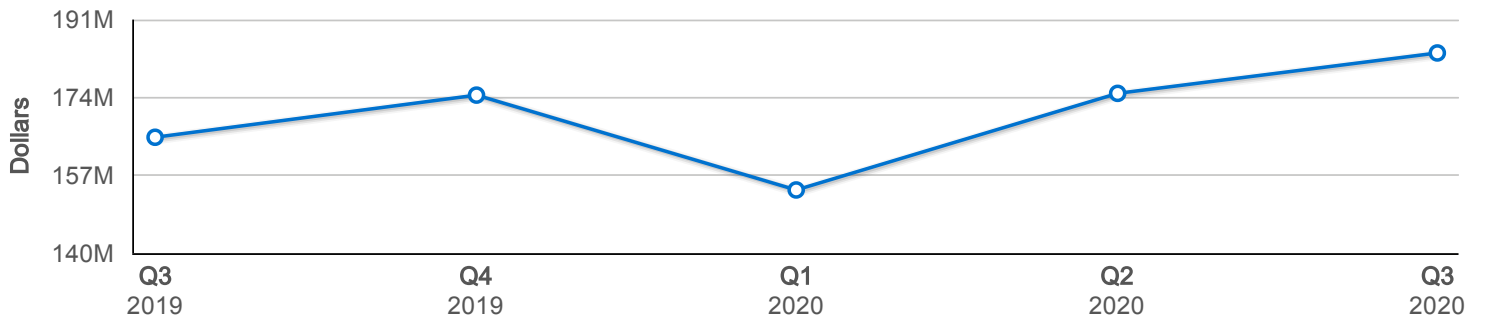
| Type | Year to date |
|------------------------|------------------------|
| Contributions | \$8,462,092.64 |
| Transfers/Rollovers-In | \$2,404,888.28 |
| Total | \$10,866,980.92 |



Balance activity by quarter

Change in balance from last quarter

▲ 5.1%
FROM LAST QUARTER

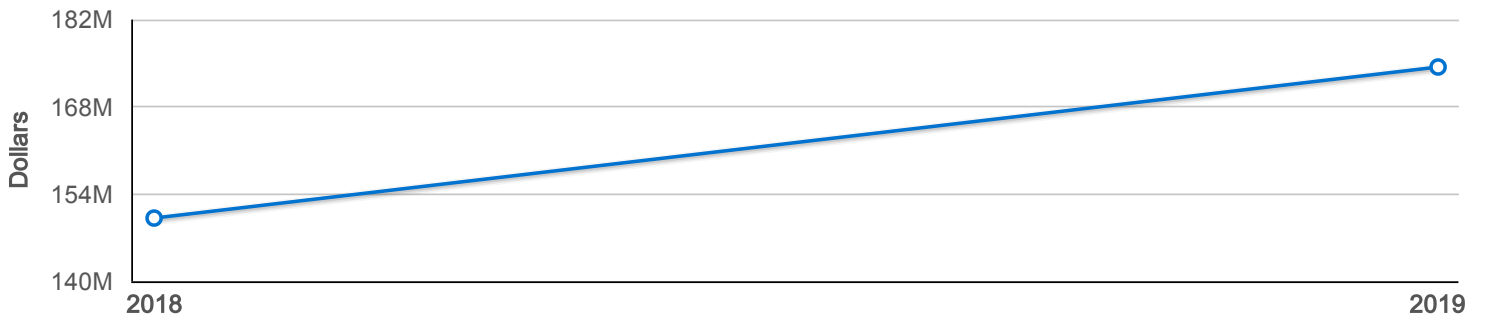




Balance activity by year

Change in balance from last year

▲ 16.2%
FROM LAST YEAR



| | 2015 | 2016 | 2017 | 2018 | 2019 |
|---------------|------|------|------|------------------|------------------|
| Total balance | --- | --- | --- | \$150,093,202.91 | \$174,412,950.70 |

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.



Digital Transformation Overview

Nationwide Retirement Plans

November 2020



Participant Experience Enhancements

Planned enhancements 2020

Website Navigation Change

Making navigation easier and more intuitive

Summary

A new post-login web navigation system on **Participant and Plan Sponsor webpages**. The new top navigation bar replaces the existing left navigation bar.

Benefits of the new experience

- Menu items are arranged more intuitively
- Allows for important content to be quickly seen
- Improves the navigation experience for web-enabled devices
- Sets the stage for future enhancements

Q2 2020

The screenshot displays the Nationwide Retirement Plans website interface. The top navigation bar is highlighted with a pink dashed border and a pink arrow pointing to it from the left navigation bar. The left navigation bar is also highlighted with a pink dashed border. The main content area shows the '457 Overview' section with a 'CURRENT TOTAL BALANCE' of \$102,394 as of 02/03/2020. Below this is a section titled 'Will you have enough money for retirement?' with a 'Use My Interactive Retirement Planner' link. The bottom of the page shows a 'Recent Activity' section with a 'View all' link.



Pre-login Site Redesign

For Participants

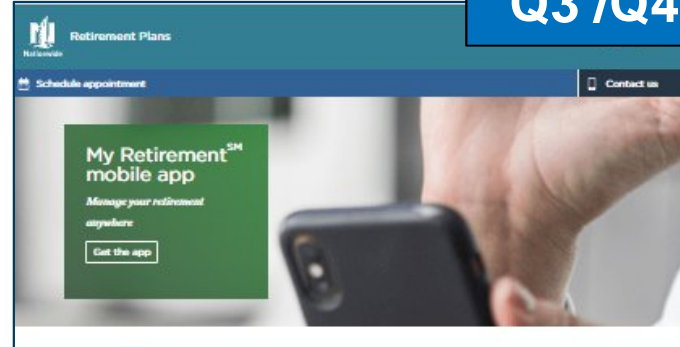
Summary

Although the majority of visitors to the Participant site log in, there are opportunities to provide easy access to information that are top-of-mind for employees.

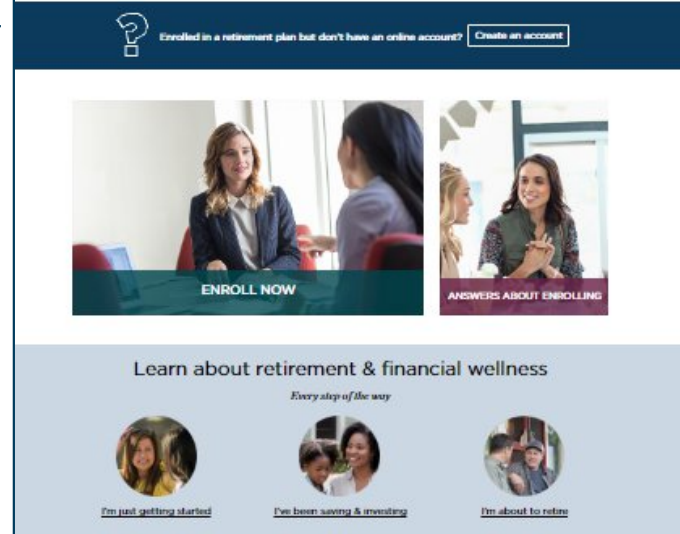
Benefits of the new experience:

- 1 Prioritizing log-in, enrollment, account creation and important messages
- 2 Frequently used resources including educational content by life stages and webinars to empower participants with tools they need to help make the right decisions for them
- 3 Links to My Interactive Retirement Planner and other useful calculators
- 4 Further customizable content, as needed by Custom Plans

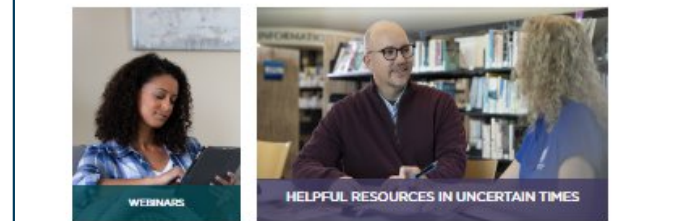
1



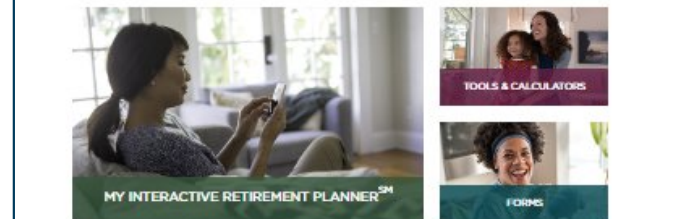
2



3



4



Post-login Site Redesign

Account Summary Page

Summary

Based on research and testing, we recognize that the users want:

- Account info “at a glance”
- Personalized experience
- Easy navigation
- Understand “what to do next”

Benefits of the new experience:

- A snapshot view of all the important information
- Use of colors, graphs and fonts to improve engagement
- Easy accessibility to the interactive retirement readiness tool to gauge your progress
- Recommendation section to be further personalized in a future release

The screenshot displays the 'Retirement Plans' account summary page for a user in New Hampshire. The page is divided into several sections:

- Account Summary (as of 06/19/2019):**
 - Total balance:** \$63,785.00 (1 year rate of return: +11.10%).
 - Retirement readiness:** Based on user information, they are on track to get \$1,780/mo in retirement starting at age 68. A 'NEEDS WORK' indicator shows a gap of \$1,898/mo. A recommendation suggests spending \$3,678/mo in retirement.
- Contributions (as of 06/19/2019):** 6% pre-tax (\$127.00/pay), reducing take-home pay by \$90.00.
- Investments (as of 06/19/2019):** A donut chart shows asset class distribution: Mid cap (24.10%), Large cap (13.40%), Bonds (9.50%), Short term (41.90%), and Balanced (11.10%).
- Recommendations:** 'Increasing your contributions to 7% will change your paycheck by only \$15.00.' and 'Investing is complex. If you need us, we're here to help.'



Online Withdrawals

Easy. Fast. Convenient.

Summary

Easy self-service options to apply for withdrawals online, with proactive status alerts keeping participants informed

Feature Highlights

- Retirees and employees separated from your Plan can request a partial or total lump-sum withdrawal online, as well as establish a recurring systematic payment schedule
- An interactive tool providing personalized options and guidance
- Participant can initiate requests for withdrawals as outlined in the CARES Act.

Additional information:

[Click here](#)

LET'S FIND THE RIGHT WITHDRAWAL FOR YOU
Look below and find your situation



New Job



Retiring



Major Expense


How Much Do I Have Available?

Estimated maximum withdrawal amount

\$351.92

[Show details](#)

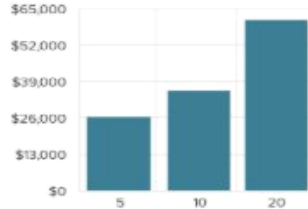
Potential impact of a \$20,000 withdrawal



Required Federal tax withholding¹: \$4,000

Amount you receive: \$16,000

Potential lost value of a \$20,000 withdrawal



| Years | Potential Lost Value |
|-----------|----------------------|
| 5 years: | \$26,988 |
| 10 years: | \$36,417 |
| 20 years: | \$62,453 |

This growth illustration is a hypothetical example and assumes a 6% rate of return. It is not intended to predict or project the investment result of any specific investment. Investment returns are not guaranteed and will vary, depending on the investments and market experience. If fees, taxes, and expenses were reflected, the hypothetical returns would be less.

Status Alerts

Available for all Withdrawals

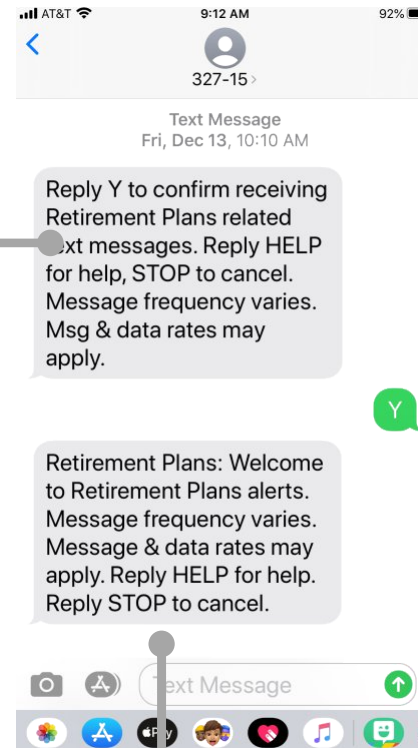
Summary

Participants can opt in to receive automatic email and/or text alerts for withdrawal status updates

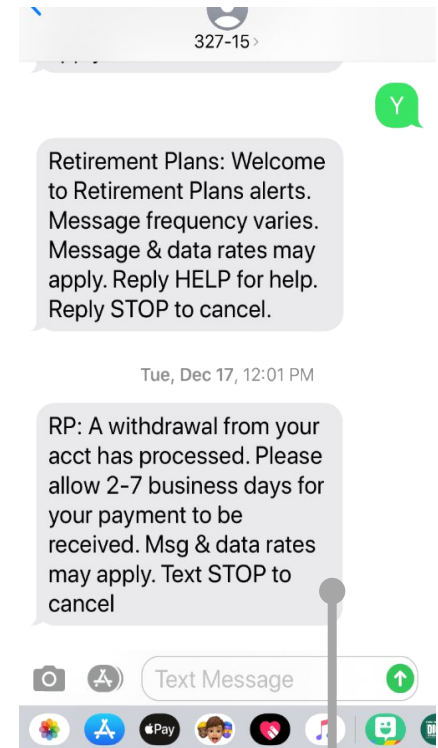
Feature Highlights

- Enroll by either
 - Setting Contact Preference online
 - Contacting the Nationwide Solution Center
 - While initiating a withdrawal online

Verify device to receive text alerts



Options to text back STOP or HELP for additional support



Timely notification that the withdrawal has been processed and when to expect payment

Text to Enroll

Meeting the customer where they are

Summary:

Allow the ability for a participant to initiate online enrollment via a text message

Benefits of the new experience:

- Allow participants another options to enroll into their plan vis their mobile device
- Nationwide will respond with a link to online enrollment

Most (Standard) Plans participants text: "READY"

Word to text and launch date will vary for large plans



Confirmation Number Texting

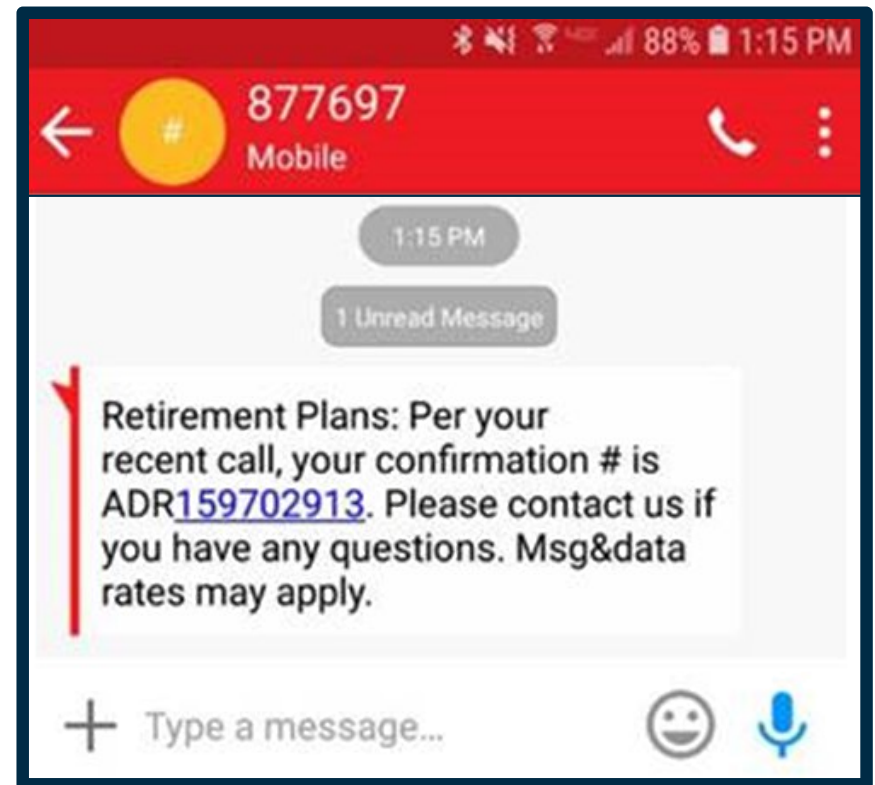
Meeting the customer where they are

Summary:

One-time text alert of the confirmation number to the participants. Available upon request by the participant as a supplement to the confirmation # provided verbally over the phone.

Benefits of the new experience:

- Convenience for participants not having to write down the number for later reference
- Available on any change that is made over the phone (e.g. exchanges, allocation changes & address changes)



Asset Aggregation

Simplifying the process

Summary

Participants expect the ability to link accounts and automatically update

Benefits of the new experience:

- Allow for linking of outside assets
- Automatically pull in updated balance for an up-to-date, more holistic retirement readiness outlook

Manage accounts and link a new account





To add an account, use the search bar to find it. If your institution is not listed, you can add it manually.

Note: Accounts such as debt, loan and HSA are excluded and will not be used in your retirement readiness calculation. Here's a list of accepted accounts.

← Back to Connections

Search for a bank, credit card, or loan provider

Most Popular

-  Bank of America
<https://www.bankofamerica.com/>
-  Wells Fargo
<https://www.wellsfargo.com>
-  Chase Bank
<https://www.chase.com/>
-  US Bank
<https://www.usbank.com/index.html>

Other investments

Select account(s)

Select the accounts you want to add to your retirement outlook

| MX Bank | |
|--|------------|
| <input checked="" type="checkbox"/> Savings | \$1,000.00 |
| Are you making recurring contributions? Recurring contributions will be made to this account. <input checked="" type="checkbox"/> | |
| Contribution amount: \$ 50.00 Weekly | |
| <input type="checkbox"/> Investment | \$1,000.00 |

For accounts not selected, the information will be stored in case you want to add it later. They will be not used as part of your retirement outlook calculation until you choose to add them.

Save

Q3 2020



Asset Aggregation Additional Details



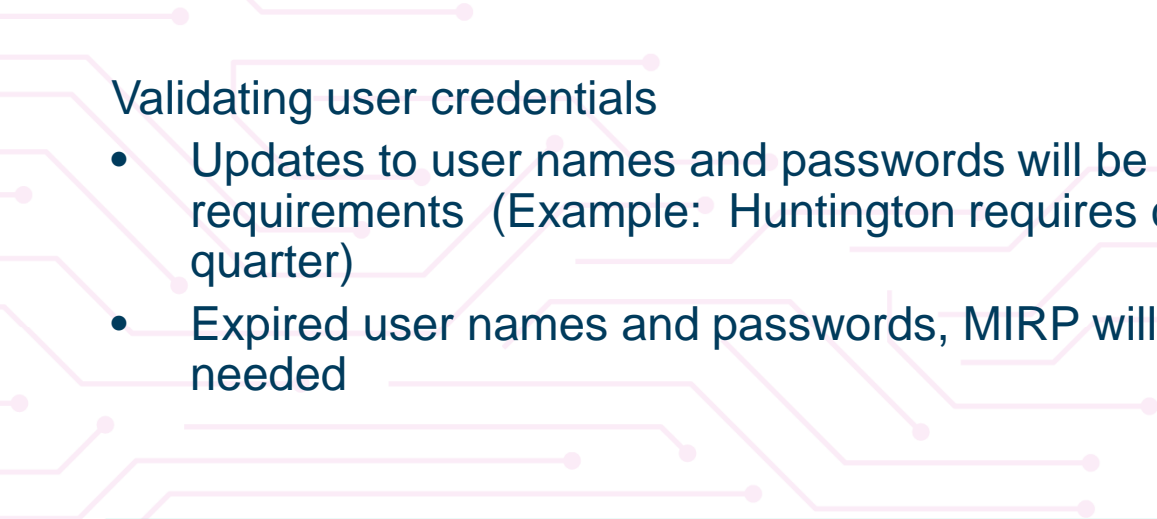
About MX

- Industry leader in linking financial institutions
- Partners with over 43,000 financial institutions

Security with Nationwide and MX

- A Nationwide created user identifier that is specific to MX is provided to MX in order to sync information between MX and Nationwide
- Nationwide does not see or store usernames, passwords, or account numbers and does not share with MX any Nationwide username, password or account numbers.
- MX uses the user identifier to link the outside account and pull in just the updated balance

Validating user credentials

- Updates to user names and passwords will be based on each individual institutions requirements (Example: Huntington requires customers to validate linking each quarter)
 - Expired user names and passwords, MIRP will include an alert if there is an update needed
- 

Account Lock

View-only Indicator

Summary

Account Lock provides additional protection for managing distributions. When enabled, participants are notified when distribution is requested from their account.

Go to Your Profile > Login Info

Benefits of the new experience:

- Currently, participants must call in to enable this feature
- New indicator, via the Login information page (post login) will show if the feature is enabled or not
- Future enhancement, coming by YE 2020, will allow participants to enable/disable the feature online

The screenshot shows the 'Retirement Plans' interface for a user named Kathryn Barger. The 'Login Information' section includes fields for Username (SouthMetro), Password, Account recovery email (retailwb_retailwb@nationwide.com), and Mobile phone number. A red box highlights the 'Nationwide Account Lock' section, which shows the status as 'Enabled' and the status date as '03/20/2020'. A red arrow points from the user's name in the top right corner to the 'Login Information' section. A 'Learn More' button is located next to the 'Nationwide Account Lock' section.

Status will show:

- Not Selected (first use)
- Enabled
- Disabled

Participant can click to learn more about the feature



Plan Sponsor Experience Enhancements

Planned enhancements 2020

Pre-login Site Redesign

For Plan Sponsors

Summary

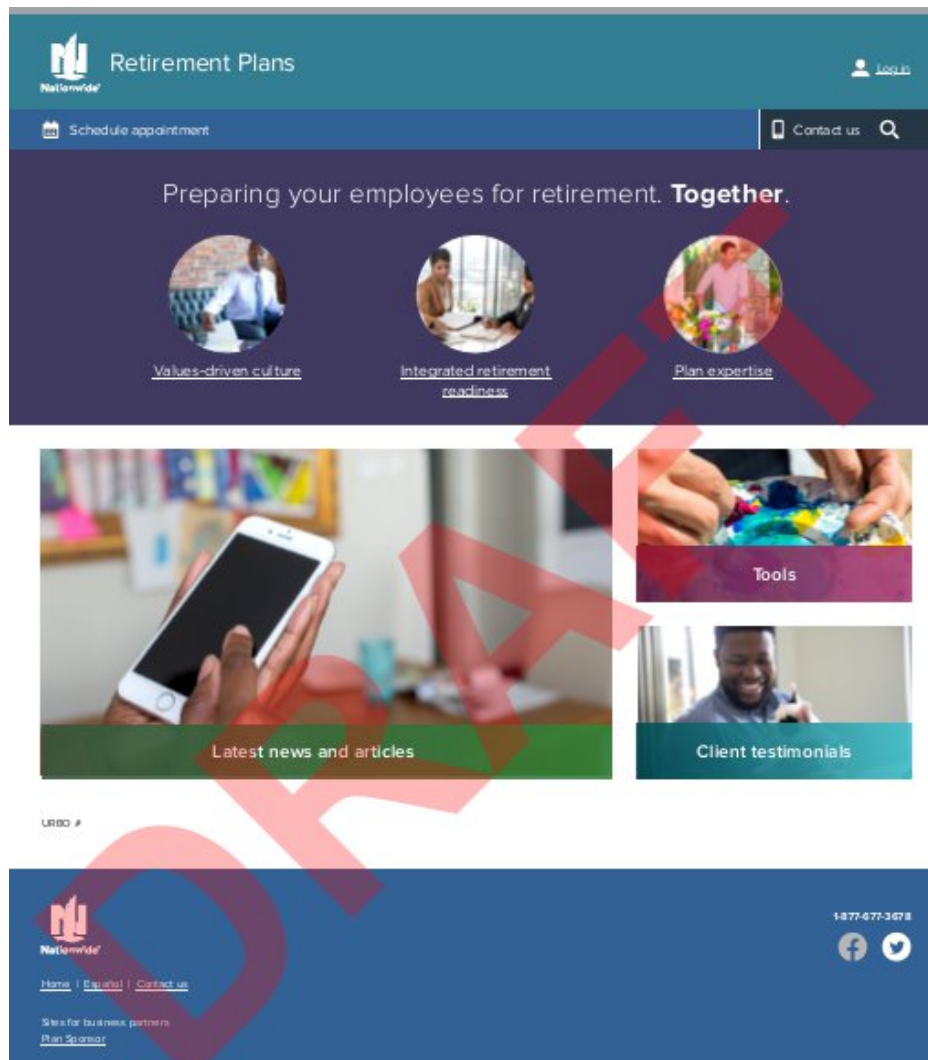
Refreshed design and content for Plan sponsors

Benefits of the new experience:

- More intuitive and modern design
- For **existing users** (Primary and Secondary), password reset and user ID retrieval self-service capability will be available

ACTION for Plan Sponsors without Primary Users

- If the Plan does not yet have a Primary online user assigned, this is a great time to establish one to take advantage of future enhancements
- Contact us at 1-877-496-1630



ID Management

For Primary Users

Summary

Primary online account users for each plan will be able to create and manage secondary accounts. Any existing roles will be mapped to the new roles with same level of access.

Go to Manage Plan > Manage user accounts

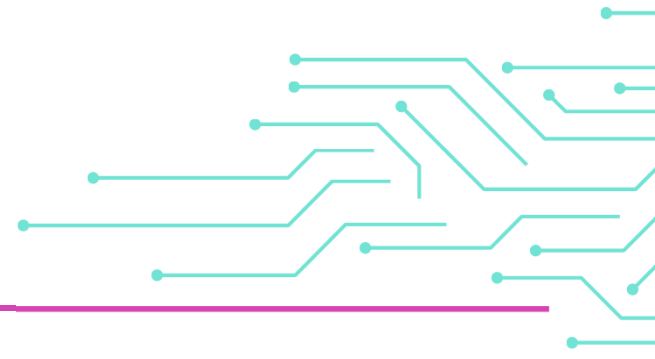
Benefits of the new experience:

- Multiple roles with varying levels of permissions to choose from
- Useful reference of roles so that functions and permission levels are clear
- Payroll users can be designated to specific Plan(s)
- Easily review and monitor the list of people with access to plan information

The screenshot shows the 'Manage user accounts' page in the Plan Sponsor system. At the top, there is a navigation bar with 'Plan Sponsor' and 'Manage plan' (highlighted with a red box). Below the navigation bar, the page title is 'Manage user accounts'. There is a 'Create account' button on the right. The main content area displays a table of 'Current user accounts' with columns for User ID, Last name, First name, Roles Assigned, Phone, and Status. Below this table is a section for 'Role features and permissions' with a table showing capabilities for Primary, Manager, Reporting, and Payroll roles.

| User ID | Last name | First name | Roles Assigned | Phone | Status |
|-----------|-----------|------------|---|------------|--------------------------|
| Demouser1 | | | Payroll Specialist, Employer Reporting, Employer Access | | Active |
| Demouser2 | | | Payroll Specialist, Employer Reporting, Employer Access | | Active |
| | | | ESA Level I | 1231231234 | Active |
| | | | Payroll Specialist | | Awaiting User Activation |
| | | | ESA Level I | 1231231234 | Active |

| Role capabilities | Primary | Manager | Reporting | Payroll |
|---|---------|---------|-----------|---------|
| View high-level/summary plan data, plan documents | • | • | • | |
| View detailed plan data, statements, functions | • | • | • | |
| Create and view reports | • | • | • | |
| Upload files | • | • | | • |
| Process payroll | • | • | | • |
| Manage staff user accounts | • | • | | |
| View individual participant account information | • | • | | |



Nationwide Investment Services Corporation, member FINRA, Columbus, Ohio.

Nationwide, the Nationwide N and Eagle, Nationwide is on your side, and other marks displayed in this message are service marks of Nationwide Mutual Insurance Company and/or its affiliates, unless otherwise disclosed. Third-party marks that appear in this message are the property of their respective owners. © 2020 Nationwide

NRM-18348AO.2 (07//20)



City of Santa Clara Cares Act Distributions & Loans
as of 11/01/20

Distributions

| | |
|-----------------------|---------------------|
| Total (28) | \$894,336.00 |
| Average | \$31,940.57 |
| Nationwide Avg | \$17,749.00 |

Loans

| | |
|-----------------------|---------------------|
| 5/29/2020 | \$100,000.00 |
| 6/5/2020 | \$48,570.00 |
| 7/24/2020 | \$38,718.00 |
| Total (3) | \$187,288.00 |
| Average | \$62,429.33 |
| Nationwide Avg | \$20,220.00 |



City of Santa Clara

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

Agenda Report

20-1185

Agenda Date: 11/19/2020

REPORT TO DEFERRED COMPENSATION COMMITTEE

SUBJECT

Informational Report on City Manager Deferred Compensation Committee Member Selection Process

DISCUSSION

This is an informational report to the Committee on the City Manager Deferred Compensation Committee Member Selection Process. The City of Santa Clara sponsors a Section 457 Deferred Compensation Plan (Plan) to assist employees in saving for their retirement. The Deferred Compensation Committee is responsible for making decisions on Plan administration on behalf of all Plan participants and consists of five members: The City's Finance Director (who serves by title) and four other members appointed by the City Manager.

Most of the current Committee members were appointed by former City Managers many years ago and in 2020, two of them resigned. Staff searched for but could not find documentation outlining the City Manager's selection criteria and process. In an effort for the Committee appointment process to be objective and transparent, staff and Hyas Group developed criteria in accordance with best practices for similarly structured Committees.

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

Attachment:

Draft of the City Manager's Committee member appointment process

**City of Santa Clara
Deferred Compensation Plan
City Manager Committee Appointment Process**

Background

The City of Santa Clara sponsors a Section 457 Deferred Compensation Plan (Plan) to assist employees in saving for their retirement. As part of the oversight of the Plan, there is a Deferred Compensation Committee that meets regularly throughout the year, typically quarterly. The Committee is responsible for making decisions on Plan administration on behalf of all Plan participants and consists of five members: the City's Finance Director (who serves by title) and four other members appointed by the City Manager.

City Manager Appointment Process

In an effort for the Committee appointment process to be objective and transparent, there is an application process to fill Committee vacancies. In the event of an opening on the Committee, the City will notify employees and a formal application process will ensue. The City Manager shall evaluate all applications for Committee membership. Generally, the City Manager will look for members who will be engaged in the plan review process and will attend meetings. An appropriate cross-representation of the employees will be a consideration in any appointment(s). Although a background in investments and/or retirement plans is desirable, it is not necessary (the Committee uses an investment consultant that lends its expertise in these matters). It is important to note that given their responsibility, Committee members are considered fiduciaries to the Plan.

Committee Member Responsibilities

Committee member duties generally consist of preparing for each meeting in advance, attending and engaging in Committee discussion and voting, as required. Representatives from the two Plan vendors (the record keeper and investment consultant) also attend the meeting and present materials on plan topics. Meeting agendas and reports are distributed in advance so that Committee members can be prepared and there are also educational opportunities to enhance Committee members subject matter knowledge. More specific responsibilities are:

- Developing and/or amending policies governing the Plan administration;
- Reviewing Plan design options and participant education strategies (and their effectiveness);
- Evaluating outside vendors such as record keepers and investment advisors;
- Reviewing investment options (performance, portfolio, fees, etc.); and
- Reviewing other Plan expenses.

As stated above, four Committee members serve at the discretion of the City Manager. Independent of the formal process stated above, the City Manager reserves the right to appoint

and/or terminate any member at any time for any reason when the City Manager determines such decision is in the best interest of the Plan and its participants and beneficiaries.

Committee Member Application Criteria

Current city employees participating in the Plan may apply to serve on the Committee when a vacancy arises. Before applying, employees should review the key criteria for committee membership:

- Must be a current City employee for more than one year and a participant in the plan;
- Must be willing to commit to preparing for and attending Committee meetings;
- Agree to become a fiduciary to the Plan;
- Agree to the nature of California open meeting law and be willing to subject discussions and decisions to the Public Records Act;
- Submit a Form 700 (Statements of Economic Interests); *not currently a formal requirement per the City's conflict of Interest code, but subject to change.*